CITY OF ROSEVILLE CALIFORNIA

AGENDA

February 3, 2021

CITY COUNCIL
6:00 p.m.
Council Chambers
311 Vernon Street
Roseville, California
www.roseville.ca.us/CORTV

To help minimize the spread of COVID-19, members of the public may not attend in person, but may view the meeting on Comcast channel 14, Consolidated Communications channel 73, and AT&T U-Verse. City Council meetings are also video streamed live and are available on the City's website and YouTube channel. Members of the public may offer public comment by phone:

Dial in Phone Number: 916-774-5353

Members of the public who would like their comments to become part of the record for the "public comment" section at a public meeting, will need to look on the agenda for that meeting at www.roseville.ca.us/agenda and provide their comment either by phone or in person - depending on the public participation guidelines listed on that specific meeting's agenda.

If you need a disability-related modification or accommodation to participate in this meeting, please contact Voice: 916-774-5200, TDD: 916-774-5220. Requests must be made as early as possible.

THE CITY OF ROSEVILLE WELCOMES YOUR PARTICIPATION

If an agenda item is open to public comment, such public comment shall be addressed to the chair of the meeting.

Public Comment - Speakers have three minutes under Public Comment to speak on issues that are not listed on the agenda and are within the City's jurisdiction. The Brown Act does not permit any action or discussion on items not listed on the agenda.

Consent Calendar - If applicable, the Consent Calendar consists of routine items that may be approved by one motion. Any person can remove an item from the Consent Calendar to be discussed separately.

Agenda Items - Speakers have five minutes to address items that are listed on the agenda.

Americans with Disabilities Act - Notify the City Clerk or Secretary at least 72 hours in advance if special assistance is required to participate in a meeting including the need of auxiliary aids or services.

Audio/Visual Presentations - If making a presentation regarding an agenda item, audio/visual materials must be submitted to the City Clerk or Secretary at least 72 hours in advance.

Security procedures are in place to attend Roseville City Council meetings. All attendees must successfully pass through a security metal detector. Any person with a prohibited item will not be allowed entry. Prohibited items include, but are not limited to: firearms (even with valid CCW), knives, pepper spray/mace, explosives of any kind/ any weapons and/or dangerous devices of any kind, illegal drugs and alcohol.

Roseville City Clerk 311 Vernon Street, Roseville, CA 916-774-5200 TDD 916-774-5220

1. CALL TO ORDER

2. ROLL CALL

3. PLEDGE OF ALLEGIANCE

4. MEETING PROCEDURES

5. PRESENTATIONS

5.1. City Response to COVID-19

CONTACT: Dominick Casey 916-774-5362 dcasey@roseville.ca.us

6. PUBLIC COMMENTS

7. CONSENT CALENDAR

BEGINNING OF CONSENT CALENDAR

Bids / Purchases / Services

7.1. Breaker Testing (RFP 08-075) - Contract Purchase Agreement

Memo from Preventative Maintenance Coordinator Blaine Wiegel and Environmental Utilities Director Richard Plecker recommending the City Council adopt RESOLUTION NO. 21-043 APPROVING A CONTRACT PURCHASE AGREEMENT, BY AND BETWEEN THE CITY OF ROSEVILLE AND ELECTRIC POWER SYSTEMS INTERNATIONAL, INC. DBA ELECTRIC POWER SYSTEMS, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE (3001027). Staff requests Council approve a contract purchase agreement with Electric Power Systems International, Inc. dba Electric Power Systems in the amount of $150,000 for Water and Wastewater Treatment, Collections, and Water Distribution facilities and four optional renewal years, at one-year intervals, for $150,000 per year. Staff requests authorization to utilize the optional renewal years without further Council approval until the contract expires or until City staff determines that continuing with the same vendor is not

in the City's best interest. Funding for this agreement is included in the Environmental Utilities Department's FY2020-21 operations budget.

CC #: 1260

File #: 0203-09

CONTACT: Blaine Wiegel 916-746-1833 bwiegel@roseville.ca.us

7.2. Cardkey Access and Security Control Systems - Contract Purchase Agreement

Memo from Administrative Technician Tisha Chinn and Public Works Director Jason Shykowski recommending the City Council adopt RESOLUTION NO. 21-029 APPROVING A CONTRACT PURCHASE AGREEMENT, BY AND BETWEEN THE CITY OF ROSEVILLE AND JOHNSON CONTROLS, INC., AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE (3000890). Staff recommends Council approve a contract purchase agreement with Johnson Controls, Inc. t o provide maintenance, repair, installation of hardware, and software programming of Cardkey access and security control systems on an as-needed basis throughout the City. The total value of this contract purchase agreement is $175,000. Funding for this is in the approved Barton Road Water Treatment Plant Access Control Rehabilitation Capital Improvement Project budget for FY2020-21.

CC #: 1238

File #: 0203-06

CONTACT: Tisha Chinn 916-774-5702 tchinn@roseville.ca.us

7.3. Custodial Services - Professional Services Agreement Amendments

Memo from Administrative Technician Tisha Chinn and Public Works Director Jason Shykowski recommending the City Council adopt RESOLUTION NO. 21-046 APPROVING A FOURTH AMENDMENT TO PROFESSIONAL SERVICES AGREEMENT, BY AND BETWEEN THE CITY OF ROSEVILLE AND EMMS, INC. DBA ELITE MAINTENANCE MANAGEMENT SYSTEMS, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE; and adopt RESOLUTION NO. 21-047 APPROVING A THIRD AMENDMENT TO PROFESSIONAL SERVICES AGREEMENT, BY AND BETWEEN THE CITY OF ROSEVILLE AND UNIVERSAL BUILDING SERVICES AND SUPPLY CO., AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE. The Fourth Amendment with EMMS, Inc. dba Elite Maintenance Management Systems increases funding by $82,896.41 to a total not-to-exceed amount of $264,685.68 for this current contract year. Staff also recommends Council approve the Third Amendment to the Custodial Services contract with Universal Building Services and Supply Co. (UBS) to increase funding and to incorporate Exhibit B, Contract Provisions for Non-Federal Entity Contracts Under Federal Awards. This exhibit will allow the City to receive federal reimbursement for COVID related costs. The total increase in the UBS contract is $129,498.51 for a total not-to-exceed amount of $425,256 for this current contract year. This is the third of four optional years for these contracts. Funding for both contract amendments is available in the Public Works Department budget for FY2020-

CC #: 1263

File #: 0800-02

CONTACT: Tisha Chinn 916-774-5702 tchinn@roseville.ca.us

7.4. Tower Theater Roof Replacement (RFQ 10-3271) - Contract Purchase Agreement

Memo from Buyer Tiffany Valdez and Assistant City Manager/Chief Financial Officer Dennis Kauffman recommending the City Council adopt RESOLUTION NO. 21-035 APPROVING A CONTRACT PURCHASE AGREEMENT, BY AND BETWEEN THE CITY OF ROSEVILLE AND RUA AND SON MECHANICAL, INC., AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE (3001000). Staff recommends the City Council approve a contract purchase agreement with Rua and Son Mechanical, Inc. for the materials and labor to complete the Tower Theater Roof Replacement. The cost of the agreement is $296,425. Additionally, staff requests Council authorize a change order request for this project up to 10% or $29,642.50 as a construction contingency, for a grand total of $326,067.50. Funding is included in the FY2020-21 GF Rental Facilities - Renovation and Restoration Capital Improvement project budget.

CC #: 1247

File #: 0203-20

CONTACT: Tiffany Valdez 916-774-5708 tvaldez@roseville.ca.us

7.5. Miscellaneous Waterworks Materials (RFQ 10-3280) - Purchase Orders

Memo from Buyer Joanna Oukrop and Assistant City Manager/Chief Financial Officer Dennis Kauffman recommending the City Council approve purchase orders to Pace Supply Corporation and Ferguson Enterprises, LLC dba Ferguson Waterworks as the lowest responsive and responsible bidders for the purchase of miscellaneous waterworks materials on an as-needed basis. The estimated annual total of the award is $375,000 Purchase orders will be issued as needed. Spending in FY2021-22 is contingent upon Council approval of the City budget.

CC #: 1252

File #: 0203-09

CONTACT: Joanna Oukrop 916-774-5745 joukrop@roseville.ca.us

7.6. Technology Equipment – Purchase Order Spending Authority Increase

Memo from Electric Technology Systems Administrator Sage Armstrong and Electric Utility Director Michelle Bertolino recommending the City Council approve an increase in spending authority for an existing contract with Dell Marketing, L.P. from the not-to-exceed total of $120,000 to $180,000. Funding is included in the FY2020-21 Electric Fund budget.

CC #: 1246

File #: 0203-06

CONTACT: Sage Armstrong 916-774-5679 sarmstrong@roseville.ca.us

7.7. Vehicle and Equipment - Purchase Orders

Memo from Fleet Manager Brian Craighead and Public Works Director Jason Shykowski recommending the City Council approve a purchase order to Napa Valley Ford Lincoln Mercury, Inc. dba Napa Ford for two Ford F250 trucks utilizing RFQ 10-3283 in the amount of $59,565; and approve a purchase order to The Charles Machine Works, Inc. for one Ditch Witch HX50 vacuum excavator utilizing Sourcewell contract #012418-CMW in the amount of $89,647. Funding for these vehicles and equipment is included in the FY2020-21 Fleet Replacement budget.

CC #: 1248

File #: 0203-01

CONTACT: Brian Craighead 916-774-5731 bcraighead@roseville.ca.us

Resolutions

7.8. Communication Software Licensing - Agreement Amendment

Memo from Management Analyst Mark Peinado and Acting Police Chief Troy Bergstrom recommending the City Council adopt RESOLUTION NO. 21-048 APPROVING AN AMENDMENT TO AGREEMENT, BY AND BETWEEN THE CITY OF ROSEVILLE AND TYLER TECHNOLOGIES, INC. AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE. Staff recommends Council approve an amendment to the existing agreement with Tyler Technologies for purposes of removing unused services from the agreement. Tyler Technologies Inc. will credit the amount previously paid for these services which totals $48,460. The increased annual maintenance cost of $6,810 will be included in the Information Technology Operations Internal Service Fund budget.

CC #: 1264

File #: 0323

CONTACT: Claudia Harlan 916-774-5003 charlan@roseville.ca.us

7.9. Roseville Parkway Extension Project - Professional Services Agreement

Memo from Assistant Engineer Daniel Lierly and Public Works Director Jason Shykowski recommending the City Council adopt RESOLUTION NO. 21-038 APPROVING A PROFESSIONAL SERVICES AGREEMENT, BY AND BETWEEN THE CITY OF ROSEVILLE AND INTERWEST CONSULTING GROUP, INC., AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE. This is an agreement with Interwest Consulting Group, Inc. for right of way professional services for the Roseville Parkway Extension project. The project scope includes the construction of four vehicle travel lanes, two in each direction; curb, gutter and sidewalk; on-street bike lanes; separated multi-use path; street lights; street landscaping; and the construction of an overpass spanning the Union Pacific Railroad tracks and Industrial Avenue. There are easements and additional property acquisition required in order to construct the project. The total contract amount is $83,165. The environmental and design portion of the project, including this agreement, is fully funded with Traffic Mitigation fees and sufficient funds

already exist in the project budget to cover this cost. No General Fund resources are being used for this project.

CC #: 1255

File #: 0900-04-02

CONTACT: Daniel Lierly 916-746-1300 delierly@roseville.ca.us

7.10. Comprehensive Proposition 218 Fees and Charges Compliance Assessment - Professional Services Agreement

Memo from Management Analyst Rodney Funke and Public Works Director Jason Shykowski recommending the City Council adopt RESOLUTION NO. 21-030 APPROVING A PROFESSIONAL SERVICES AGREEMENT, BY AND BETWEEN THE CITY OF ROSEVILLE AND RAFTELIS FINANCIAL CONSULTANTS, INC., AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE. Staff recommends City Council adopt a resolution to approve a professional services agreement with Raftelis Financial Consultants, Inc. to analyze and evaluate the cost of services for certain Environmental Utilities related operations. The total cost of the study is $101,930. Funding for this Professional Services Agreement will come from 50% General Fund Contingency and 50% Environmental Utilities funds.

CC #: 1239

File #: 0800-04

CONTACT: Rodney Funke 916-241-6545 rfunke@roseville.ca.us

7.11. Parks Construction Inspection Services – On-Call Professional Services Agreement Amendment

Memo from Park Planning and Development Superintendent Tara Gee and Parks, Recreation & Libraries Director Jill Geller recommending the City Council adopt RESOLUTION NO. 21-044 APPROVING A FIRST AMENDMENT TO ON-CALL PROFESSIONAL SERVICES AGREEMENT, BY AND BETWEEN THE CITY OF ROSEVILLE AND 4LEAF, INC., AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE. Verizon expects to be adding fiber optic upgrades to accommodate 5G improvements through the City over the next three years. The estimated cost from July 1, 2020 through June 30, 2021 was estimated to not-to-exceed $300,000. This amendment for the timeframe January 2021 and June 30, 2021 is estimated to increase the base cost to $387,500. The agreement is a multi-year contract that is valid through June 30, 2024. Future full year extensions will include an authorization amount up to $475,000. Work performed under this service agreement will be paid using developer fees and/or capital improvement projects. Work related to the Verizon project will be billed directly to Verizon for reimbursement. There will be no General Fund impact.

CC #: 1261

File #: 0704

CONTACT: Tara Gee 916-774-5253 tgee@roseville.ca.us

7.12. Statewide Park Development and Community Revitalization (Prop 68) Grant -

Approval to Submit Application for Johnson Pool

Memo from Park Planning & Development Superintendent Tara Gee and Parks, Recreation & Libraries Director Jill Geller recommending City Council adopt RESOLUTION NO. 21-045 RESOLUTION OF THE CITY COUNCIL OF THE CITY OF ROSEVILLE APPROVING THE APPLICATION FOR STATEWIDE PARK DEVELOPMENT AND COMMUNITY REVITALIZATION PROGRAM GRANT FUNDS TO UPDATE JOHNSON POOL. The State Department of Parks and Recreation has been delegated the responsibility by the Legislature of the State of California for the administration of the Statewide Park Development and Community Revitalization (Prop 68) Grant Program, setting up necessary procedures governing application(s). These procedures require the grantee's Governing Body to certify by resolution the approval of project application(s) before submission of the applications to the State. The Statewide Park Development and Community Revitalization (Prop 68) Grant Program targets building successful parks & recreation facilities in underserved areas. Once the resolution has been approved and submitted to the State Department of Parks & Recreation, staff will work with the State Project Officer to submit an application for projects to revitalize Johnson Pool. There have been three previous rounds of grant awards statewide. This is the fourth and last round of grants equaling $395 million across the state. Projects under this grant must be completed by December 2024. The amount of the grant could be as much as $8 million, however, in the last round of grant awards, the average amount of an award was $4 million. If awarded, no local match is required. Upgrades to any portion of Johnson Pool will require no new General Fund allocations.

CC #: 1262

File #: 0704-01 & 0214

CONTACT: Tara Gee 916-774-5253 tgee@roseville.ca.us

7.13. International Swaps and Derivatives Association - Master Agreement Amendment

Memo from Electric Risk and Compliance Supervisor Petra Wallace and Electric Utility Director Michelle Bertolino recommending the City Council adopt RESOLUTION NO. 21-031 APPROVING A FIRST AMENDMENT TO 2002 INTERNATIONAL SWAPS AND DERIVATIVES ASSOCIATION ("ISDA") MASTER AGREEMENT, BY AND BETWEEN CITIGROUP ENERGY INC. AND THE CITY OF ROSEVILLE, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE. Staff recommends Council approve the First Amendment to 2002 International Swaps and Derivatives Association Master Agreement with Citigroup Energy Inc. The amendment provides both parties with more flexibility with collateral holdings if necessary. There is no fiscal impact associated with the execution of the First Amendment as it is only an amendment to an enabling agreement.

CC #: 1241

File #: 0800-03

CONTACT: Petra Wallace 916-774-5510 pwallace@roseville.ca.us

7.14. Sierra Vista - Phase 1A Infrastructure Offsite Sewer & Water - Notice of

Completion

Memo from Construction Inspector Andrew Druck and Development Services Director Mike Isom recommending the City Council adopt RESOLUTION NO. 21-039 OF THE COUNCIL OF THE CITY OF ROSEVILLE ACCEPTING THE PUBLIC WORK KNOWN AS Sierra Vista - Phase 1A Infrastructure Offsite Sewer & Water PROJECT, APPROVING THE "NOTICE OF COMPLETION", AND AUTHORIZING AND DIRECTING THE CITY ENGINEER TO EXECUTE SAID NOTICE ON BEHALF OF THE CITY OF ROSEVILLE. The Engineering Division has made final inspection of the project and has found the civil improvement work complete in accordance with the improvement plans and City Specifications. This action has no impact to the City's General Fund. Construction costs were paid by the developer.

CC #: 1256

File #: 0400-04-12-1

CONTACT: Andrew Druck 916-223-7577 adruck@roseville.ca.us

7.15. Huntington Senior Apartments - Affordable Rental Housing Agreement

Memo from Housing Analyst Suzanne Acrell and Economic Development Director Laura Matteoli recommending the City Council adopt RESOLUTION NO. 21-037 APPROVING AN AFFORDABLE RENTAL HOUSING AGREEMENT, BY AND BETWEEN THE CITY OF ROSEVILLE AND HUNTINGTON SENIOR APARTMENTS, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE. The developer will build 76 apartments of which 5 will be affordable to rent by very low and low-income households. The subsidies for the program are borne by the developer. No General Fund resources will be used.

CC #: 1253

File #: 0709-03-02

CONTACT: Suzanne Acrell 916-774-5469 sacrell@roseville.ca.us

7.16. Maidu Park Communications Facility - Standard Tower Attachment License Agreement Amendment

Memo from Assistant Information Technology Director Michael Sinor and Chief Information Officer Hong Sae recommending the City Council adopt RESOLUTION NO. 21-032 APPROVING A SECOND AMENDMENT TO STANDARD TOWER ATTACHMENT LICENSE AGREEMENT, BY AND BETWEEN THE CITY OF ROSEVILLE AND NEW CINGULAR WIRELESS PCS, LLC, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE. The City entered into a Standard Tower Attachment License Agreement with New Cingular Wireless PCS, LLC on January 18, 2006 for constructing, maintaining and operating a communications facility on a light standard at Maidu Park. The second amendment allows for the installation of a generator and extends the lease beyond the original term for two additional five-year terms. The monthly rent collected is General Fund revenue and is currently $2,139. This amount increases 3% annually. The second amendment does not change the financial

terms of the lease.
CC #: 1242

File #: 0708

CONTACT: Michael Sinor 916-774-5183 msinor@roseville.ca.us

7.17. Placer Valley Tourism - Annual Budget and Strategic Work Plan

Memo from Management Analyst Jeannine Thrash and Assistant City Manager/Chief Financial Officer Dennis Kauffman recommending the City Council adopt RESOLUTION NO. 21-040 APPROVING THE 2021 PLACER VALLEY TOURISM STRATEGIC MARKETING PLAN AND BUDGET. The South Placer County Tourism Corporation, dba Placer Valley Tourism (PVT), exists to create a revenue source that specifically promotes and supports tourism efforts that generate overnight stays within the region. Funding for these PVT activities is derived from room night assessments for all hotels in the cities of Lincoln, Rocklin and Roseville, and has no impact to the City's General Fund. These assessments were voted on and approved by a majority of affected hotel owners in 2014.

CC #: 1257

File #: 0110-01

CONTACT: Jeannine Thrash 916-774-5473 jthrash@roseville.ca.us
Dennis Kauffman 916-774-5313 dkauffman@roseville.ca.us

Ordinances (for introduction and adoption - appropriation/urgency measures)

7.18. 2018 Regional Surface Transportation Program Arterial Resurfacing Project - Award of Contract and Budget Adjustment

Memo from Assistant Engineer Jesse Khatkar and Public Works Director Jason Shykowski recommending the City Council adopt RESOLUTION NO. 21-041 APPROVING AN AGREEMENT, BY AND BETWEEN THE CITY OF ROSEVILLE AND A. TEICHERT & SON, INC. DBA TEICHERT CONSTRUCTION, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE; and adopt ORDINANCE NO. 6326 OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE FISCAL YEAR 2020-21 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN APPROPRIATION MEASURE. Staff recommends Council award the 2018 Regional Surface Transportation Program Arterial Resurfacing project to the lowest responsive bidder, A. Teichert & Son, Inc. dba Teichert Construction, in the amount of $6,397,758 with authorization for staff to exceed the award amount by 15% or $959,664 as a construction contingency. A budget adjustment is necessary in the amount of $8,357,422 in available Highway Infrastructure Program grant funds and two Regional Surface Transportation Program allotments which will cover the construction, construction contingency, and construction management. No General Fund resources are being used for this project.

CC #: 1258

File #: 0900-04-01 & 0201-01

CONTACT: Jesse Khatkar 916-774-5434 jskhatkar@roseville.ca.us

7.19. Downtown Water Mains Replacement Project – Hillcrest Neighborhood - Project Approval, Design-Assist Construction Agreement, and Budget Adjustment

Memo from Senior Engineer Janice Gainey and Environmental Utilities Director Richard Plecker recommending the City Council adopt RESOLUTION NO. 21-036 APPROVING A DESIGN-ASSIST CONSTRUCTION AGREEMENT BETWEEN THE CITY OF ROSEVILLE AND A. TEICHERT & SON, INC. DBA TEICHERT CONSTRUCTION, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE; and adopt ORDINANCE NO. 6324 OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE FISCAL YEAR 2020-21 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN APPROPRIATION MEASURE. This item requests approval and award of a Design-Assist Construction Agreement to A. Teichert & Son, Inc. for the Downtown Water Mains Replacement Project – Hillcrest Neighborhood in the amount of $6,995,535 and authorization for the Environmental Utilities Director or his designee to approve and pay for contract change orders that could increase the contract amount by no more than 10 percent or $699,554. This item also requests approval of construction plans and specifications and a budget adjustment to fully fund this contract and its contingency with $7,495,089 of available resources from the Water Rehabilitation Fund. The project has approximately $200,000 remaining in its current budget.

CC #: 1251

File #: 0900-02 & 0201-01

CONTACT: Janice Gainey 916-223-7860 jrgainey@roseville.ca.us

7.20. Radioactive Detection Equipment - Grant Award and Budget Adjustment

Memo from Fire Chief Rick Bartee and Assistant Chief Brian Diemer recommending the City Council adopt RESOLUTION NO. 21-042 ACCEPTING A GRANT AWARD FROM THE U.S. DEPARTMENT OF HOMELAND SECURITY THROUGH THE PLACER COUNTY OFFICE OF EMERGENCY SERVICES ON BEHALF OF THE CITY OF ROSEVILLE; and adopt ORDINANCE NO. 6327 OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE FISCAL YEAR 2020-21 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN APPROPRIATION MEASURE. Staff recommends Council accept a grant from the U.S. Department of Homeland Security through the Placer County Office of Emergency Services in the amount of $32,000. Staff also recommends the City Council approve a budget adjustment in the same amount to purchase radioactive detection equipment. The total purchase cost of $32,000 will be reimbursed through an equivalent grant award, with no net impact to the General Fund. Maintenance costs for the new equipment are expected to be equivalent to the maintenance costs for the equipment being replaced, and are included in the department's existing budget.

CC #: 1259

File #: 0203-12 & & 0214 & 0201-01

CONTACT: Brian Diemer 916-746-1392 ddiemer@roseville.ca.us

Ordinances (for second reading and adoption)

7.21. Second Reading - Sierra Vista Specific Plan - Development Agreement Amendment

ORDINANCE NO. 6322 OF THE COUNCIL OF THE CITY OF ROSEVILLE ADOPTING A FIRST DEVELOPMENT AGREEMENT AMENDMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND DF PROPERTIES, INC. RELATIVE TO THE SIERRA VISTA SPECIFIC PLAN, for second reading and adoption.

CC #: 1249

File #: 0400-04-12 & 0400-04

CONTACT: Shelby Vockel 916-746-1347 svockel@roseville.ca.us

7.22. Second Reading - Sierra Vista Specific Plan - Development Agreement Amendment

ORDINANCE NO. 6323 ADOPTING A SECOND AMENDMENT OF THE DEVELOPMENT AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND MOURIER INVESTMENTS, LLC ("MOURIER & WEALTH PROPERTIES") RELATIVE TO THE SIERRA VISTA SPECIFIC PLAN AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE, for second reading and adoption.

CC #: 1250

File #: 0400-04-12

CONTACT: Kinarik Shallow 916-746-1309 kshallow@roseville.ca.us

7.23. Second Reading - Municipal Code Amendments - Consistency with the City Charter

ORDINANCE NO. 6325 OF THE COUNCIL OF THE CITY OF ROSEVILLE AMENDING SECTION 2.06.020 OF CHAPTER 2.06 OF TITLE 2 OF THE ROSEVILLE MUNCIPAL CODE REGARDING MUNICIPAL ELECTIONS, REPEALING CHAPTER 2.34 OF TITLE 2 OF THE ROSEVILLE MUNICIPAL CODE REGARDING INDEPENDENT REDISTRICTING COMMISSION, AND AMENDING SECTIONS 4.12.090, 4.12.095 AND 4.12.100 OF CHAPTER 4.12 OF TITLE 4 OF THE ROSEVILLE MUNICIPAL CODE REGARDING PURCHASING SYSTEM FOR CONSISTENCY WITH THE CITY CHARTER, for second reading and adoption.

CC #: 1254

File #: 0502-06

CONTACT: M. Sheidenberger 916-774-5325 msheidenberger@roseville.ca.us

Reports / Requests

7.24. The Plaza at Blue Oaks - Parcel Map

Memo from Assistant Engineer Kerry Andrews and Development Services Director Mike Isom recommending the City Council approve The Plaza at Blue Oaks parcel map. Engineering has completed its review of the parcel map and found that it is in compliance with the approved tentative map. This map will create 8 parcels. The actions requested have no fiscal impact to the General Fund.

CC #: 1243

File #: 0400-04-09-1 & 0400-07

CONTACT: Kerry Andrews 916-774-5346 kandrews@roseville.ca.us

END OF CONSENT CALENDAR

8. SPECIAL REQUESTS/REPORTS/PRESENTATION

8.1. Fiscal Year 2021-22 Budget Schedule

Memo from Budget Manager Scott Pettingell and Assistant City Manager/Chief Financial Officer Dennis Kauffman with an update on the budget schedule for FY2021-22. Each year, Finance staff provides the City Council with the schedule for developing the proposed budget that outlines key dates through budget adoption as well as upcoming staff presentations. There is no fiscal impact associated with receiving this budget schedule.

CC #: 1245

File #: 0201

CONTACT: Scott Pettingell 916-746-1306 spettingell@roseville.ca.us

9. PUBLIC HEARING

NOTICE TO THE PUBLIC

City Council, when considering the matter scheduled for hearing, will take the following actions:

1. Open the Public Hearing
2. Presentation by Staff
3. Presentation by applicant or Appellant
4. Accept Public Testimony
5. Appellant or Applicant Rebuttal Period
6. Close the Public Hearing
7. City Council Comments and Questions
8. City Council Action

In the future, if you wish to challenge in court any of the matters on this agenda for which a public hearing is to be conducted, you may be limited to raising only those issues, which you, or someone else raised orally at the Public Hearing or in written correspondence received by the City or before the hearing

Public Hearings listed for continuance will be continued as noted and posting of this

agenda serves as notice of continuation.

9.1. Community Development Block Grant Coronavirus Aid, Relief, and Economic Security Act Funding - Amended 2019 Annual Action Plan and Budget Adjustment

Memo from Housing Analyst Kristine Faelz and Economic Development Director Laura Matteoli recommending the City Council adopt RESOLUTION NO. 21-049 ADOPTING THE AMENDED 2019 ANNUAL ACTION PLAN AND AUTHORIZING THE CITY MANAGER TO EXECUTE ALL NECESSARY DOCUMENTS AND CERTIFICATIONS ON BEHALF OF THE CITY OF ROSEVILLE FOR SUBMITTAL OF THE AMENDMENT TO THE U.S. DEPARTMENT OF HOUSING & URBAN DEVELOPMENT (HUD); and adopt ORDINANCE NO. 6328 OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE FISCAL YEAR 2020-21 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN APPROPRIATION MEASURE. In order to receive and deploy the funding into the community in an expeditious manner, the City must amend the 2019 Annual Action Plan as well as approve a budget adjustment. The budget adjustment is to expend the Coronavirus Aid, Relief, and Economic Security Act (CARES Act) funding. On September 11, 2020, the U.S. Department of Housing & Urban Development announced that the City of Roseville would receive $795,721 in Round 3 of the CARES Act Community Development Block Grant. The amendment and budget adjustment will have no fiscal impact to the General Fund.

CC #: 1265

File #: 0113-02 & 0201-01

CONTACT: Kristine Faelz 916-774-5451 kpfaelz@roseville.ca.us

9.2. Sierra Vista Specific Plan Parcel JM-40 - General Plan Amendment, Specific Plan Amendment, Rezone, and Development Agreement Amendments

Memo from Associate Planner Kinarik Shallow and Development Services Director Mike Isom recommending the City Council consider the 3rd Addendum to the Sierra Vista Specific Plan Environmental Impact Report; and adopt RESOLUTION NO. 21-033 AMENDING THE GENERAL PLAN TO CHANGE THE GENERAL PLAN LAND USE DESIGNATIONS ON CERTAIN REAL PROPERTY IN THE CITY OF ROSEVILLE; and adopt RESOLUTION NO. 21-034 AMENDING THE SIERRA VISTA SPECIFIC PLAN; and adopt the two (2) findings of fact and introduce for first reading an ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE REZONING CERTAIN REAL PROPERTY IN THE CITY OF ROSEVILLE; and adopt the five (5) findings of fact and introduce for first reading an ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE ADOPTING A SECOND AMENDMENT OF THE DEVELOPMENT AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND MOURIER INVESTMENTS, LLC (“MOURIER & BAGLEY”) RELATIVE TO THE SIERRA VISTA SPECIFIC PLAN AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE; and adopt the five (5) findings of fact and introduce for first reading an ORDINANCE OF THE COUNCIL OF THE CITY OF

ROSEVILLE ADOPTING A SECOND AMENDMENT OF THE DEVELOPMENT AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND MOURIER INVESTMENTS, LLC ("MOURIER & COMPUTER DEDUCTIONS") RELATIVE TO THE SIERRA VISTA SPECIFIC PLAN AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE. The applicant requests approval of a General Plan Amendment, Specific Plan Amendment, and Rezone to change the land use and zoning designation of Parcel JM-40 in the Sierra Vista Specific Plan area to allow construction of a 35-unit single-family residential subdivision. The land use designation for Parcel JM-40 will be modified from Community Commercial/Commercial Mixed Use to Medium Density Residential, and the zoning designation will be modified from Commercial Mixed Use/Special Area to Small Lot Residential/Development Standards. The Specific Plan Amendment will allow the transfer of five (5) units from Parcel JM-40 to Parcel JM-30. The project also includes a request to amend two development agreements that cover the subject parcels to reflect the proposed land use change and unit transfers, to revise affordable housing unit allocations, and to revise development obligations related to water facilities. Consistent with the City's adopted Non-Residential Conversion Guidelines, the project was modeled utilizing the City's fiscal impact model to ensure the project, with the proposed land use change, will not have a negative fiscal impact on the City's General Fund.

CC #: 1244

File #: 0400-04-12 & 0400-04-12-02 & 0400-03 & 0400-04

CONTACT: Kinarik Shallow 916-746-1309 kshallow@roseville.ca.us

10. COUNCIL REPORTS / PUBLIC COMMENTS

11. ADJOURNMENT

COUNCIL COMMUNICATION

CC #: 1260
File #: 0203-09

Title:	Breaker Testing (RFP 08-075) - Contract Purchase Agreement
Contact:	Blaine Wiegel 916-746-1833 bwiegel@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 7.1.

RECOMMENDATION TO COUNCIL

Staff recommends City Council adopt a resolution authorizing the City Manager to execute a contract purchase agreement with Electric Power Systems International, Inc. dba Electric Power Systems to provide electrical power distribution inspections, as well as testing and repairs at City of Roseville Water and Wastewater facilities. Staff requests authorization to utilize the optional renewal years of the contract without further Council approval until the contract expires, provided that the applicable budget is approved by the City Council each year, or until City staff determines that continuing with the same vendor is not in the City's best interest.

BACKGROUND

The Environmental Utilities Department released Circuit Breaker Testing Request for Proposals (RFP) 08-075 to solicit proposals for electrical power distribution inspections, testing and repair services at the Water and Wastewater facilities. Testing items include 12kV, 5kV and 480V power distribution equipment. Qualified proposals were evaluated on cost, qualifications/experience and the overall proposal. Electric Power Systems International, Inc. dba Electric Power Systems was ranked first in all categories.

FISCAL IMPACT

The estimated annual cost of service is $150,000 with funding from the Environmental Utilities Department's FY2020-21 operations budget for Water/Wastewater and Collections. Projected spending for optional renewal years is as follows: $150,000 FY2021-22, $150,000 FY2022-23, $150,000 FY2023-24, and $150,000 FY2024-25.

ENVIRONMENTAL REVIEW

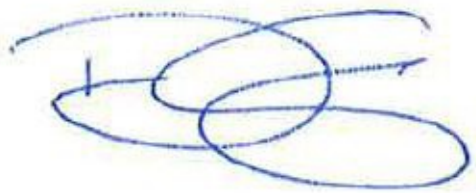
The California Environmental Quality Act (CEQA) only applies to projects which have the potential

to cause a significant effect on the environment. Where it can be seen with certainty that there is no possibility that the activity in question may have a significant effect on the environment, the activity is not subject to CEQA. (CEQA Guidelines §15061(b)(3)).

Respectfully Submitted,

Blaine Wiegel, Preventative Maintenance Coordinator

Richard Plecker, Environmental Utilities Director



_____

Dominick Casey, City Manager

ATTACHMENTS:

Description

Resolution 20-043

Electric Power Solutions CPA

RESOLUTION NO. 21-043

APPROVING A CONTRACT PURCHASE AGREEMENT, BY AND BETWEEN THE CITY OF ROSEVILLE AND ELECTRIC POWER SYSTEMS INTERNATIONAL, INC. DBA ELECTRIC POWER SYSTEMS, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE

WHEREAS, a contract purchase agreement (3001027) to provide electrical power distribution inspections, as well as testing and repairs at City of Roseville Water and Wastewater facilities, between the City of Roseville and Electric Power Systems International, Inc. dba Electric Power Systems, has been reviewed by the Council; and

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Roseville that said contract purchase agreement is approved and the City Manager is authorized to execute it on behalf of the City of Roseville.

BE IT FURTHER RESOLVED that the City Manager or his designee is authorized to execute four (4) additional one (1) year renewals without further City Council approval, provided that the applicable budget is approved by the City Council each year, or until City staff determines that continuing with the same vendor is not in the City's best interest.

PASSED AND ADOPTED by the Council of the City of Roseville this ____ day of _____, 2021, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk

Contract Purchase Agreement 3001027

Supplier Details:

Company	Electric Power Systems International Inc dba Electric Power Systems
Contact	Larry Limoges
Address	1780 E McFadden Ave
	Ste 112
	Santa Ana, CA 92705

Submit your response to:

Company	City of Roseville
Contact	Sue Jessup
Address	Purchasing Division
	2075 Hilltop Circle
	Roseville, CA 95747
Phone	(916) 746-1702
Fax	(916) 774-5736
E-mail	SJessup@roseville.ca.us

This Contract Purchase Agreement is sent for your review and acceptance. Notify the Buyer via email of any needed changes to the company name, address, and contact information. The Buyer will update the agreement prior to you signing the document.

Return signed copies of the agreement to the Buyer noted on the agreement. Alterations or modifications to the agreement are not allowed. Upon receipt of all necessary documents, the City will sign the agreement and return a fully executed copy to you. Receipt of the signed copy will be your notice to proceed with the work in accordance with the terms and conditions of the agreement. Work must not begin until the contract has been fully executed.

The following guidelines must be followed for the signature block on the agreement:

Sole proprietorship - **By owner**

Partnership - **Any general partner**

Corporation - **Two options:**
(1) A signature from the President and the corporate seal; **OR**
(2) One signature from the Chairman of the Board, President, or any Vice President **AND** one signature from the Secretary, any Assistant Secretary, Chief Financial Officer, or any Treasurer or Assistant Treasurer of the corporation

*General Manager, Office Manager and/or Sales Manager are **not** corporate officer titles. The agreement will be rejected if not signed in accordance with these guidelines.

Insurance requirements:
The City's insurance requirements are referenced on Attachment A of the agreement. By signing the agreement, you are confirming that your company has the minimum insurance limits required.

CITY OF ROSEVILLE CALIFORNIA

Contract Purchase Agreement 3001027

Agreement	**3001027**
Agreement Date	**12-DEC-2020**
Change Order	**3**
Change Order Date	**04-JAN-2021**
Revision	**0**
Agreement Amount	**150,000.00 USD**

Invoice To
City of Roseville
Accounts Payable
311 Vernon St
ROSEVILLE CA 95678

Phone: (916) 774-5488
Fax: (916) 784-3796
Email: accountspayable@roseville.ca.us

Supplier
Electric Power Systems International Inc dba Electric Power Systems
1780 E McFadden Ave
Ste 112
Santa Ana, CA 92705

Phone: (657) 322-8054
Fax: ()
Email: l.limoges@epsii.com

Description of Labor, equipment and/or materials

START DATE: UPON EXECUTED AGREEMENT
END DATE: 12/31/21

THE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO ACCOMPLISH THE SERVICES CALLED FOR UNDER CITY OF ROSEVILLE REQUEST FOR PROPOSAL #08-075 AND CONTRACTOR'S PROPOSAL THERETO TITLED CIRCUIT BREAKER TESTING DATED 11/10/20 (HEREINAFTER "PROPOSAL"). THE TERMS AND SCOPE OF WORK OF CITY OF ROSEVILLE REQUEST FOR PROPOSAL #08-075 AND CONTRACTOR'S PROPOSAL ARE HEREIN MADE PART OF THIS CONTRACT PURCHASE AGREEMENT AND FULLY INCORPORATED BY REFERENCE.

PLEASE CONTACT BLAINE WIEGEL AT 916-746-1833, BWIEGEL@ROSEVILLE.CA.US WITH ANY QUESTIONS REGARDING THIS AGREEMENT.

The total agreement amount is an approximate value only. The City does not guarantee whatsoever the actual value of this contract.

Customer #	Supplier #	Payment Terms	Freight Terms	FOB	Shipping Method
	14850	**Net 30**	**Freight on Board at the destination**	**Destination**	**Best Method**

Start Date	End Date	Confirm To
		Sue Jessup Phone **1-916-746-1702**

Attention: Total Cost not to exceed the agreement amount without prior approval of the Purchasing office.

Contract Terms and Conditions

1. To the fullest extent allowed by law, Contractor shall defend, indemnify, and save and hold harmless the City, its officers, agents, employees and volunteers from any claims, suits or actions of every name, kind and description brought forth, or on account of, injuries to or death of any person (including but not limited to workers and the public), or damage to property, caused by Contractor's willful misconduct or negligent act or omission while engaged in the performance of obligations or exercise of rights created by this Agreement, except those matters arising from City's sole or active negligence or willful misconduct. The parties intend that this provision shall be broadly construed. Contractor's responsibility for such defense and indemnity obligations shall survive the termination or completion of this Agreement for the full period of time allowed by law. The defense and indemnity obligations of this Agreement are undertaken in addition to, and shall not in any way be limited by, the insurance obligations contained in this Agreement.

2. Contractor is an independent contractor, and shall not be considered an officer, agent or employee of the City.

3. Without the written consent of the City, this Agreement is not assignable by Contractor either in whole or in part.

4. Time is of the essence of this Agreement.

5. At any time during the term of this Agreement, the City has the right to terminate this Agreement, provided Contractor is given thirty (30) days written notice. City's termination shall be without further liability to City; however, Contractor shall be entitled to all costs reasonably incurred prior to the date of termination. Contractor acknowledges that City may terminate this Agreement should funds not be appropriated by its governing body to continue services under this Agreement.

6. This Agreement may only be amended or modified in writing. It is integrated and contains the complete understanding of the parties.

7. All equipment, supplies and services sold to the City of Roseville shall conform to the general safety orders of the State of California.

8. Unless notified to the contrary, in writing, the City assumes that the Contractor has accepted the work in accordance with the plans and specifications (if any) and agrees to do the work in compliance with this Agreement.

9. All prevailing wages and fair employment practices must be adhered to. For prevailing wage contracts over $25,000, copies of certified payroll must be submitted with invoices. Prevailing wage rates may be obtained from the State Department of Industrial Relations and/or the following website address: http://www.dir.ca.gov/dlsr/DPreWageDetermination.htm.

10. Contractor agrees to the below insurance requirements:

    a. Unless otherwise specified, the Contractor shall maintain the policies of insurance outlined in Attachment A, incorporated herein by this reference, in full force and effect during the term of this Agreement. The City of Roseville retains sole discretion in determining the types and proper levels of insurance

coverage.

b. Form. Contractor shall submit a certificate evidencing such coverage for the period covered by this Agreement in a form satisfactory to Risk Management and the City Attorney, prior to undertaking any work hereunder. Any insurance written on a claims made basis is subject to the approval of Risk Management and the City Attorney.

c. Additional Insureds. Contractor shall also provide a separate endorsement or section of the policy showing City, its officers, agents, employees, and volunteers as additional insureds for each type of coverage (except Workers' Compensation) and for ongoing and completed operations. Such insurance shall specifically cover the contractual liability of Contractor. The additional insured coverage under the Contractor's policy shall be primary and noncontributory, as evidenced by a separate endorsement or section of the policy, and shall not seek contribution from City's insurance or self-insurance. In addition, the additional insured coverage shall be at least as broad as the Insurance Services Office (ISO) CG 20 01 Endorsement. Any available insurance proceeds in excess of the specified minimum insurance coverage requirements and limits shall be available to the additional insureds. Furthermore, the requirements for coverage and limits shall be:

(1) the minimum coverage and limits specified in this Agreement; or
(2) the full coverage and maximum limits of any insurance proceeds available to the named insureds, whichever is greater.

d. Cancellation/Modification. Contractor shall provide ten (10) days written notice to City prior to cancellation or modification of any insurance required by this Agreement.

e. Umbrella/Excess Insurance. The limits of insurance required in this Agreement may be satisfied by a combination of primary and excess insurance. Any excess insurance shall contain or be endorsed to contain a provision that such coverage shall also apply on a primary and noncontributory basis for the benefit of City (if agreed to in a written contract) before City's own insurance shall be called upon to protect it as a named insured.

f. Subcontractors. Contractor agrees to include in its contracts with all subcontractors the same requirements and provisions of this Agreement, including the indemnity and insurance requirements, to the extent they apply to the scope of the subcontractor's work. Furthermore, Contractor shall require its subcontractors to agree to be bound to Contractor and City in the same manner and to the same extent as Contractor is bound to City under this Agreement. Additionally, Contractor shall obligate its subcontractors to comply with these same provisions with respect to any tertiary subcontractor, regardless of tier. A copy of City's indemnity and insurance provisions will be furnished to the subcontractor or tertiary subcontractor upon request.

g. Self-Insured Retentions. All self-insured retentions (SIR) must be disclosed to Risk Management for approval and shall not reduce the limits of liability. Policies containing any SIR provision shall provide or be endorsed to provide that the SIR may be satisfied by either the named insured or City. City reserves the right to obtain a full certified copy of any insurance policy and endorsements. The failure to exercise this right shall not constitute a waiver of such right.

h. Waiver of Subrogation. Contractor hereby agrees to waive subrogation which any insurer of Contractor may acquire from Contractor by virtue of the payment

of any loss under a Workers Compensation, Commercial General Liability or Automobile Liability policy. All Workers Compensation, Commercial General Liability and Automobile Liability policies shall be endorsed with a waiver of subrogation in favor of City, its officers, agents, employees and volunteers for all work performed by Contractor, its employees, agents and subcontractors.

i. Liability/Remedies. Insurance coverage in the minimum amounts set forth herein shall not be construed to relieve Contractor of liability in excess of such coverage, nor shall it preclude City from taking such other actions as are available to it under any other provisions of this Agreement or law.

11. Contractor shall comply with all federal, state and local laws and ordinances, including but not limited to the City's storm water regulations, as may be applicable to the performance of services under this Agreement. Failure to comply with local ordinances may result in monetary fines and cancellation of this Agreement. Refer to www.roseville.ca.us/stormwater for links to more information on the City's storm water regulations.

12. In the event that the terms of any attachment or exhibit conflict with any terms of this Agreement, the terms of this Agreement shall control.

13. This Agreement may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. In the event that any signature is delivered by facsimile transmission or by e-mail delivery of a ".pdf" format data file, such signature shall create a valid and binding obligation of the party executing (or on whose behalf such signature is executed) with the same force and effect as if such facsimile or ".pdf" signature page were an original thereof.

14. If either party commences any legal action against the other party arising out of this Agreement or the performance thereof, the prevailing party in such action shall be entitled to recover its reasonable litigation expenses, including but not limited to, court costs, expert witness fees, discovery expenses, and attorneys' fees. Any action arising out of this Agreement shall be brought in Placer County, California, regardless of where else venue may lie. This Agreement shall be governed by and construed in accordance with the laws of the State of California.

15. This Agreement shall be binding upon the heirs, successors, executors, administrators and assigns of the respective parties hereto.

16. If any of the provisions contained in this Agreement are for any reason held invalid or unenforceable, such holding shall not affect the remaining provisions or the validity and enforceability of the Agreement as a whole.

17. For purposes of this Agreement, the terms "Contractor," "Consultant," and "Supplier" are used interchangeably.

18. No contractor or subcontractor may work on a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5. During the performance of this agreement, Contractor and its subcontractors shall have a continuing legal obligation to maintain current registration with the Department of Industrial Relations. Contractor is hereby notified that this project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

19. Contractor must submit all claims as defined in and in accordance with the claim resolution process set forth in Section 9204 of the Public Contract Code. Each such claim must be sent to the City by registered mail or certified mail with return receipt requested and must contain reasonable documentation to support the claim. All claims must be

received prior to acceptance of the work.

20. Contractor agrees to defend and indemnify City if, despite the parties intent and practice, any venue, agency, or court with competent jurisdiction determines that Contractor and/or any of its agents, officers, employees, volunteers, independent contractors, or subcontractors, are characterized as employee(s) of City. Contractor and City agree that: (a) Contractor is free from the control and direction of City in connection with the performance of the work; (b) Contractor is providing services directly to City; (c) Contractor has and will maintain at all relevant times a business license; (d) Contractor maintains a business location that is separate from City; (e) Contractor is customarily engaged in an independently established business of the same nature as that involved in the work performed hereunder; (f) Contractor actually contracts with other businesses to provide the same or similar services and maintains a clientele without restrictions from City; (g) Contractor advertises and holds itself out to the public as available to provide the same or similar services; (h) Contractor provides its own tools, vehicles, and equipment to perform the services; (i) Contractor has negotiated its own rates; (j) Contractor set its own hours and location of work in accomplishing City's on-call needs; and (k) Contractor has the right to control the manner and means of accomplishing the result desired and exercises its own expert independent judgement.

The supplier named hereon by the acceptance of this order agrees to the provisions of this document titled "Contract Purchase Agreement" and all accompanying terms, conditions, and attachments.

Roseville Business License No. 00843563

Contractor License No. CA C-10 1068030

DIR Registration No. 1000013541

Check mark the applicable company type below:

____X_____ Corporation

_____ Limited Liability Company

_____ Partnership

_____ Sole Proprietor

City Reserves the right to withold any payments to contractor in the event of noncompliance with insurance requirements or if required by law.
Construction T&C, AB5 Negotiated for Electric Power Systems International Inc dba Electric Power Systems
REV 12/3/2020 JS

ATTACHMENT A
HUMAN RESOURCES/RISK MANAGEMENT DIVISION
INSURANCE REQUIREMENTS
AGREEMENT UNDER FORMAL BID LIMIT

General - Required Coverage:

- General Liability: $1 Million per occurrence /$2 Million aggregate
- Automobile Liability: $1 Million combined single limit
- Workers' Compensation: Statutory *Must provide a Waiver of subrogation
- Additional Insured Endorsement (AIE) - General Liability policy: CG 20 38 04 13 or an equivalent, blanket endorsement or section of the policy. Endorsement shall cover the City of Roseville, its officers, agents, employees and volunteers as additional insured.
- Policies must be primary and non-contributory
- A 30 day notice of cancellation must be provided

Additional Liability/Insurance Requirements if required by Agreement (and marked below):

Construction: __X__
General Liability:
$2 Million/occurrence
$4 Million aggregate

Design Professional:____
General Liability:
$2 Million/occurrence
$4 Million aggregate
Professional Liability:
$2 Million/occurrence

Professional Consultant:____
Professional Liability:
$1 Million/occurrence

IT Services:____
Professional Liability:
$1 Million/occurrence
No auto required

Special Events/Caterers-Vendors:____
No auto required
No workers' comp required

Professional Counseling/ Psychological:____
Professional Liability:
$1 Million/occurrence
No auto required

Insurance Verification

By signing the agreement included with this document, you are confirming that your company has the minimum insurance limits required above.

A copy of your insurance certificate is not required at this time. The City may request proof of insurance at any time.

Questions Regarding Insurance Requirements Contact Risk Management at (916) 774-5202

Asbestos-Containing Materials in City-Owned Buildings

California Health and Safety Code Section 25915 requires that all City of Roseville employees, contractors and lessees be notified annually of the presence of asbestos in City-owned buildings constructed prior to 1979. Please post this notice in an area(s) accessible to all employees, contractors and lessees. Contact Facility Maintenance & Operations at (916) 774-5740 for more information about Asbestos Containing Materials (ACMs) in specific City-owned buildings. For more information about asbestos refer to the OSHA website.

The City of Roseville is committed to maintaining a safe and healthy work environment. The City's Facility Maintenance & Operations staff conducts ongoing inspections to identify and safely manage previously installed asbestos-containing products. Renovation of City-owned buildings **MUST** be reviewed in advance by Facility Maintenance & Operations to ensure the City is in compliance with building codes, Americans with Disabilities Act and that no ACMs are disturbed without proper safeguards. Work that requires removal or repair of ACMs is restricted to trained and qualified persons only. **Facility Maintenance & Operations will need to approve the qualified contractors.**

Use the following measures to protect you and others from exposure to airborne asbestos:

- Presume all building materials contain asbestos until determined otherwise by Facility Maintenance & Operations.
- Do not install walls, closets, cabinets, ceilings.
- Do not remove, cut, drill, sand, grind or otherwise disturb any material in the buildings, including carpet and tile.
- Do not paint (this includes any walls, ceilings, floors and electrostatic painting of office furniture).
- Do not remove any items nailed or screwed to the walls (this includes pictures, cabinets, electrical, etc.).
- Do not go above ceilings, behind walls or into building spaces such as attics and crawlspaces unless these areas have been inspected and cleared by Facility Maintenance & Operations.
- Do not pull cable or wiring through above-ceiling spaces with asbestos.
- Do not install screws, pins, nails or hangers into asbestos ceiling or wall plaster.
- Be careful not to damage walls, ceilings or floors when moving furniture or equipment. It is recommended that Facility Maintenance & Operations be contacted prior to moving furniture or equipment.
- Do not brush, sweep or vacuum textured asbestos ceiling plaster or plaster debris.
- Immediately report any damage or deterioration of suspect building materials to Facility Maintenance & Operations or Risk Management.

It is important to note that the presence of asbestos does not mean you have been exposed. Exposure results when friable asbestos particles are inhaled or ingested. Asbestos becomes friable when material containing asbestos is drilled, sanded or disturbed by remodeling or demolition work or when the ACM has deteriorated. Intact, bonded, sealed or undisturbed asbestos does not pose a hazard.

Employees may review the asbestos survey reports, results of bulk sampling or air monitoring conducted in City-owned buildings. All asbestos data will be available by appointment with Facility Maintenance & Operations.

Facilities Built Pre 1979 That May Contain Asbestos	Year Built
Downtown Library - 225 Taylor Street 95678	1974
Carnegie Museum - 557 Lincoln Street 95678	1912
Tower Theatre - 415 Vernon Street 95678	1940
Fire Station #3 - 1300 Cirby Way 95661	1963
Old Corp Yard - 100 Old Corp Yard Road 95678	1940
Water Treatment Plant Operations Bldg.- 9595 Barton Road 95746	1965
Waste Water Treatment Plant Operations Bldg. - 1800 Booth Road 95747	1962
Royer Recreation Bldg. - 190 Park Drive 95678	1950
Fire Museum - 400 Lincoln Street 95678	1930
Diamond Oaks Golf - 349 Diamond Oaks Road 95678	1965
Johnson Pool, 4th & D Street	1950
330 Vernon Street	1940
107 Sutter Avenue	1962

Sign to acknowledge receipt of asbestos notification:

SIGNATURE	
COMPANY NAME	Electric Power Systems International Inc
DATE	1/11/21

Asbestos
Rev 01/16/19

Supplier	
Signature:	
Print Name:	Steve Reed
Title:	CEO, President

Supplier	
Signature:	
Print Name:	
Title:	

City of Roseville, A Municipal Corporation	
Signature:	
Print Name:	**Dominick Casey**
Title:	**City Manager**

COUNCIL COMMUNICATION

CC #: 1238
File #: 0203-06

Title: Cardkey Access and Security Control Systems - Contract Purchase Agreement
Contact: Tisha Chinn 916-774-5702 tchinn@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 7.2.

RECOMMENDATION TO COUNCIL

Staff recommends Council adopt a resolution authorizing the City Manager to execute a contract purchase agreement (3000890) with Johnson Controls, Inc. to provide maintenance, repair, installation of hardware and software, and programming of Cardkey access and security control systems on an as-needed basis throughout the City.

BACKGROUND

On August 21, 2019, City Council authorized a one-year contract purchase agreement with Johnson Controls to provide maintenance, repair, installation of hardware, and for the software programming of Access and Security Control Systems. Council approved the one-year renewal and two optional renewal years to be utilized without further Council approval pending budget approval for those years. The total value of the agreement was $350,000. This contract purchase agreement will amend the original contract purchase agreement to add funds for the City's Barton Road Water Treatment Plant Access Control Rehabilitation project. The project will include card key access updates to the Barton Road Water Plants and numerous well sites and pump stations.

FISCAL IMPACT

The value of this contract purchase agreement amendment is $175,000 which will amend the original contract purchase agreement from $350,000 to $525,000. Funding for this amendment is included in the Barton Road Water Treatment Plant Access Control Rehabilitation Capital Improvement Project budget for FY2020-21.

ENVIRONMENTAL REVIEW

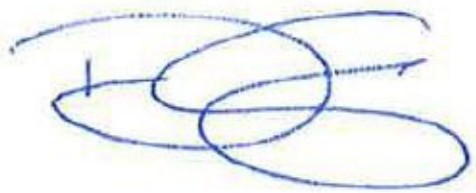
The California Environmental Quality Act (CEQA) only applies to projects which have the potential to cause a significant effect on the environment. Where it can be seen with certainty that there is

no possibility that the activity in question may have a significant effect on the environment, the activity is not subject to CEQA. (CEQA Guidelines §15061(b)(3).

Respectfully Submitted,

Tisha Chinn, Administrative Technician

Jason Shykowski, Public Works Director



_____

Dominick Casey, City Manager

ATTACHMENTS:

Description

Resolution

CPA 3000890 - Johnson Controls Inc

RESOLUTION NO. 21-029

APPROVING A CONTRACT PURCHASE AGREEMENT, BY AND BETWEEN THE CITY OF ROSEVILLE AND JOHNSON CONTROLS, INC., AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE

WHEREAS, a contract purchase agreement (3000890) for on-call services for the City's Cardkey Access and Security Control Systems, by and between the City of Roseville and Johnson Controls, Inc., has been reviewed by the City Council.

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Roseville that said contract purchase agreement is approved and that the City Manager is authorized to execute it on behalf of the City of Roseville.

PASSED AND ADOPTED by the Council of the City of Roseville this____day of _____, 2021, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk

Contract Purchase Agreement 3000890

Supplier Details:

Company	Johnson Controls Inc
Contact	Robert Rule
Address	Controls Group
	103 Woodmere Road
	Folsom, CA 95630

Submit your response to:

Company	City of Roseville
Contact	"Becky" Rebecca Philipp
Address	Purchasing Division
	2075 Hilltop Circle
	Roseville, CA 95747
Phone	(916) 774-5724
Fax	(916) 774-5736
E-mail	BPhilipp@roseville.ca.us

This Contract Purchase Agreement is sent for your review and acceptance. Notify the Buyer via email of any needed changes to the company name, address, and contact information. The Buyer will update the agreement prior to you signing the document.

Return signed copies of the agreement to the Buyer noted on the agreement. Alterations or modifications to the agreement are not allowed. Upon receipt of all necessary documents, the City will sign the agreement and return a fully executed copy to you. Receipt of the signed copy will be your notice to proceed with the work in accordance with the terms and conditions of the agreement. Work must not begin until the contract has been fully executed.

The following guidelines must be followed for the signature block on the agreement:

Sole proprietorship - **By owner**

Partnership - **Any general partner**

Corporation - **Two options:**
(1) A signature from the President and the corporate seal; **OR**
(2) One signature from the Chairman of the Board, President, or any Vice President **AND** one signature from the Secretary, any Assistant Secretary, Chief Financial Officer, or any Treasurer or Assistant Treasurer of the corporation

*General Manager, Office Manager and/or Sales Manager are **not** corporate officer titles. The agreement will be rejected if not signed in accordance with these guidelines.

Insurance requirements:
The City's insurance requirements are referenced on Attachment A of the agreement. By signing the agreement, you are confirming that your company has the minimum insurance limits required.

CITY OF ROSEVILLE CALIFORNIA

Contract Purchase Agreement 3000890

Agreement	**3000890**
Agreement Date	**24-SEP-2020**
Revision	**0**
Agreement Amount	**525,000.00 USD**

Invoice To
City of Roseville
Accounts Payable
311 Vernon St
ROSEVILLE CA 95678
Phone: (916) 774-5488
Fax: (916) 784-3796
Email: accountspayable@roseville.ca.us

Supplier
Johnson Controls Inc
Controls Group
103 Woodmere Road
Folsom, CA 95630
Phone: (916) 294-8800
Fax: (916) 294-8889
Email: robert.rule@jci.com

Description of Labor, equipment and/or materials

START DATE: Executed Agreement
END DATE: 6/30/21

The supplier shall provide citywide card key access control system parts, maintenance, repair, and installation services on an as needed basis at the direction of the Public Works Facility Services Division. All jobs must be quoted and approved in advance by an authorized member of the Public Works Facility Services Division prior to the start of any work.

Contact Tisha Chinn at (916)774-5702 or tchinn@roseville.ca.us for questions regarding this agreement.

The agreement total is an approximate value only. The City does not guarantee whatsoever the actual amount to be spent.

Customer #	Supplier #	Payment Terms	Freight Terms	FOB	Shipping Method
	10086	**Net 30**	**Freight on Board at the destination**	**Destination**	**Best Method**

Start Date	End Date	Confirm To
		"Becky" Rebecca Philipp Phone **1-916-774-5724**

Attention: Total Cost not to exceed the agreement amount without prior approval of the Purchasing office.

Contract Terms and Conditions

Negotiated Terms and Conditions for Johnson Controls, Inc., Revised 6/29/20

1. To the fullest extent allowed by law, Contractor shall defend, indemnify, and save and hold harmless City, its officers, agents, employees and volunteers from any claims, suits or actions of every name, kind and description brought forth, or on account of, injuries to or death of any person (including but not limited to workers and the public), or damage to property, resulting from or arising out of Contractor's willful misconduct or negligent act or omission while engaged in the performance of obligations or exercise of rights created by this Agreement, except those matters arising from City's sole negligence or willful misconduct. The parties intend that this provision shall be broadly construed. Contractor's responsibility for such defense and indemnity obligations shall survive the termination or completion of this Agreement for the full period of time allowed by law. The defense and indemnity obligations of this Agreement are undertaken in addition to, and shall not in any way be limited by, the insurance obligations contained in this Agreement.

2. Contractor is an independent contractor, and shall not be considered an officer, agent or employee of the City.

3. Without the written consent of the City, this Agreement is not assignable by Contractor either in whole or in part.

4. Time is of the essence of this Agreement.

5. At any time during the term of this Agreement, the City has the right to terminate this Agreement, provided Contractor is given thirty (30) days written notice. City's termination shall be without further liability to City; however, Contractor shall be entitled to all costs reasonably incurred prior to the date of termination. Contractor acknowledges that City may terminate this Agreement should funds not be appropriated by its governing body to continue services under this Agreement.

6. This Agreement may only be amended or modified in writing. It is integrated and contains the complete understanding of the parties.

7. All equipment, supplies and services sold to the City of Roseville shall conform to the general safety orders of the State of California.

8. Unless notified to the contrary, in writing, the City assumes that the Contractor has accepted the work in accordance with the plans and specifications (if any) and agrees to do the work in compliance with this Agreement.

9. All fair employment practices must be adhered to. In addition, if the project referenced on this service agreement is a Public Works project, all prevailing wage laws must be complied with. For prevailing wage contracts over $25,000, copies of certified payroll must be submitted with invoices. Prevailing wage rates may be obtained from the State Department of Industrial Relations and/or the following website address: http://www.dir.ca.gov/dlsr/DPreWageDetermination.htm.

10. Contractor agrees to the below insurance requirements:

    a. Unless otherwise specified, the Contractor shall maintain the policies of insurance outlined in Attachment A, incorporated herein by this reference, in full force and effect during the term of this Agreement. The City of Roseville retains sole discretion in determining the types and proper levels of insurance

coverage.

b. Form. Contractor shall submit a certificate evidencing such coverage for the period covered by this Agreement in a form satisfactory to Risk Management and the City Attorney, prior to undertaking any work hereunder. Any insurance written on a claims made basis is subject to the approval of Risk Management and the City Attorney.

c. Additional Insureds. Contractor shall also provide a separate endorsement or section of the policy showing City, its officers, agents, employees, and volunteers as additional insureds for each type of coverage, except for Workers' Compensation. Such insurance shall specifically cover the contractual liability of Contractor. The additional insured coverage under the Contractor's policy shall be primary and noncontributory, as evidenced by a separate endorsement or section of the policy, and shall not seek contribution from City's insurance or self-insurance. In addition, the additional insured coverage shall be at least as broad as the Insurance Services Office (ISO) CG 20 01 Endorsement. Any available insurance proceeds in excess of the specified minimum insurance coverage requirements and limits shall be available to the additional insureds. Furthermore, the requirements for coverage and limits shall be:

(1) the minimum coverage and limits specified in this Agreement; or
(2) the full coverage and maximum limits of any insurance proceeds available to the named insureds, whichever is greater.

d. Cancellation/Modification. Contractor shall provide ten (10) days written notice to City prior to cancellation or modification of any insurance required by this Agreement.

e. Umbrella/Excess Insurance. The limits of insurance required in this Agreement may be satisfied by a combination of primary and excess insurance. Any excess insurance shall contain or be endorsed to contain a provision that such coverage shall also apply on a primary and noncontributory basis for the benefit of City (if agreed to in a written contract) before City's own insurance shall be called upon to protect it as a named insured.

f. Subcontractors. Contractor agrees to include in its contracts with all subcontractors the same requirements and provisions of this Agreement, including the indemnity and insurance requirements, to the extent they apply to the scope of the subcontractor's work. Furthermore, Contractor shall require its subcontractors to agree to be bound to Contractor and City in the same manner and to the same extent as Contractor is bound to City under this Agreement. Additionally, Contractor shall obligate its subcontractors to comply with these same provisions with respect to any tertiary subcontractor, regardless of tier. A copy of City's indemnity and insurance provisions will be furnished to the subcontractor or tertiary subcontractor upon request.

g. Self-Insured Retentions. All self-insured retentions (SIR) must be disclosed to Risk Management for approval and shall not reduce the limits of liability. Policies containing any SIR provision shall provide or be endorsed to provide that the SIR may be satisfied by either the named insured or City. City reserves the right to obtain a full certified copy of any insurance policy and endorsements. The failure to exercise this right shall not constitute a waiver of such right.

h. Waiver of Subrogation. Contractor hereby agrees to waive subrogation which any insurer of Contractor may acquire from Contractor by virtue of the payment of any loss under a Workers Compensation, Commercial General Liability or

Automobile Liability policy. All Workers Compensation, Commercial General Liability and Automobile Liability policies shall be endorsed with a waiver of subrogation in favor of City, its officers, agents, employees and volunteers for all work performed by Contractor, its employees, agents and subcontractors.

i. Liability/Remedies. Insurance coverage in the minimum amounts set forth herein shall not be construed to relieve Contractor of liability in excess of such coverage, nor shall it preclude City from taking such other actions as are available to it under any other provisions of this Agreement or law.

11. Contractor shall comply with all federal, state and local laws and ordinances, including but not limited to the City's storm water regulations, as may be applicable to the performance of services under this Agreement. Failure to comply with local ordinances may result in monetary fines and cancellation of this Agreement. Refer to www.roseville.ca.us/stormwater for links to more information on the City's storm water regulations.

12. In the event that the terms of any attachment or exhibit conflict with any terms of this Agreement, the terms of this Agreement shall control.

13. This Agreement may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. In the event that any signature is delivered by facsimile transmission or by e-mail delivery of a ".pdf" format data file, such signature shall create a valid and binding obligation of the party executing (or on whose behalf such signature is executed) with the same force and effect as if such facsimile or ".pdf" signature page were an original hereof.

14. If either party commences any legal action against the other party arising out of this Agreement or the performance thereof, the prevailing party in such action shall be entitled to recover its reasonable litigation expenses, including but not limited to, court costs, expert witness fees, discovery expenses, and attorneys' fees. Any action arising out of this Agreement shall be brought in Placer County, California, regardless of where else venue may lie. This Agreement shall be governed by and construed in accordance with the laws of the State of California.

15. This Agreement shall be binding upon the heirs, successors, executors, administrators and assigns of the respective parties hereto.

16. If any of the provisions contained in this Agreement are for any reason held invalid or unenforceable, such holding shall not affect the remaining provisions or the validity and enforceability of the Agreement as a whole.

17. For purposes of this Agreement, the terms "Contractor," "Consultant," and "Supplier" are used interchangeably.

18. If the project referenced on this agreement is a Public Works project, then the following shall apply: No contractor or subcontractor may work on a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5. During the performance of this agreement, Contractor and its subcontractors shall have a continuing legal obligation to maintain current registration with the Department of Industrial Relations. Contractor is hereby notified that this project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

19. If the project referenced on this agreement is a Public Works project, then the following shall apply: Contractor must submit all claims as defined in and in accordance with the claim resolution process set forth in Section 9204 of the Public Contract Code. Each such claim must be sent to the City by registered mail or certified mail with return receipt

requested and must contain reasonable documentation to support the claim. All claims must be received prior to acceptance of the work.

20. CONSULTANT agrees to defend and indemnify CITY if, despite the parties intent and practice, any venue, agency, or court with competent jurisdiction determines that CONSULTANT and/or any of its agents, officers, employees, volunteers, independent contractors, or subcontractors, are characterized as employee(s) of CITY.

    CONSULTANT and CITY agree that: (a) CONSULTANT is free from the control and direction of CITY in connection with the performance of the work; (b) CONSULTANT is providing services directly to CITY; (c) CONSULTANT has and will maintain at all relevant times a business license; (d) CONSULTANT maintains a business location that is separate from CITY; (e) CONSULTANT is customarily engaged in an independently established business of the same nature as that involved in the work performed hereunder; (f) CONSULTANT actually contracts with other businesses to provide the same or similar services and maintains a clientele without restrictions from CITY; (g) CONSULTANT advertises and holds itself out to the public as available to provide the same or similar services; (h) CONSULTANT provides its own tools, vehicles, and equipment to perform the services; (i) CONSULTANT has negotiated its own rates; (j) CONSULTANT set its own hours and location of work in accomplishing CITY's on-call needs; and (k) CONSULTANT has the right to control the manner and means of accomplishing the result desired and exercises its own expert independent judgement.

21. Liability Limitation. In no event shall Johnson Controls and its affiliates and their respective personnel, suppliers and vendors be liable for any damages relating to the agreement or the services contemplated thereby in any amount exceeding 2X the total amounts called for under this agreement.

The supplier named hereon by the acceptance of this order agrees to the provisions of this document titled "Contract Purchase Agreement" and all accompanying terms, conditions, and attachments.

Roseville Business License No. 00801185

Contractor License No. 22445

DIR Registration No. 1000000593

Check mark the applicable company type below:

____X____ **Corporation**

_____ **Limited Liability Company**

_____ **Partnership**

_____ **Sole Proprietor**

City Reserves the right to withold any payments to contractor in the event of noncompliance with insurance requirements or if required by law.
General T&C
REV 6/29/20 JS (Negotiated T's and C's for Johnson Controls, Inc.

ATTACHMENT A
HUMAN RESOURCES/RISK MANAGEMENT DIVISION
INSURANCE REQUIREMENTS
AGREEMENT OVER FORMAL BID LIMIT OR INVOLVING HIGH RISK ACTIVITIES

General - Required Coverage/Documentation

- General Liability: $1 Million per occurrence /$2 Million aggregate
- Automobile Liability: $1 Million combined single limit
- Workers' Compensation: Statutory *Must provide a Waiver of subrogation
- Additional Insured Endorsement (AIE) - General Liability policy: CG 20 38 04 13 or an equivalent, blanket endorsement or section of the policy. Endorsement shall cover the City of Roseville, its officers, agents, employees and volunteers as additional insured.
- Policies must be primary and non-contributory
- A 30 day notice of cancellation must be provided
- List certificate holder as: The City of Roseville - Insurance Compliance, PO Box 100085-R1, Duluth, GA 30096

Additional Liability/Insurance Requirements if required by Agreement (and marked below):

Construction:____
General Liability:
$2 Million/occurrence
$4 Million aggregate

Design Professional:____
General Liability:
$2 Million/occurrence
$4 Million aggregate
Professional Liability:
$2 Million/occurrence

Professional Consultant:____
Professional Liability:
$1 Million/occurrence

IT Services:____
Professional Liability:
$1 Million/occurrence
No auto required

Hazardous Materials:____
Pollution Liability:
$1 Million/occurrence

Special Events/Caterers-Vendors:____
No auto required
No workers' comp required

Professional Counseling/ Psychological:____
Professional Liability:
$1 Million/occurrence
No auto required

Pyrotechnics:____
General Liability:
$5 Million/occurrence
$10 Million aggregate
Auto - $2 Million/occurrence

Chemical/Environmental:____
General Liability:
$3 Million/occurrence
$6 Million aggregate
Pollution – $2 Million/Occurrence
Auto - $2 Million/Occurrence

Insurance Submission Process

The City of Roseville Human Resources/Risk Management Department uses a service called EBIX to manage our insurance certificate tracking.

How It Works

- The vendor's contact information is entered into EBIX. EBIX will contact the vendor to request proof of insurance.
- The Vendor can forward the request to their Insurance Agent(s) if necessary.
- Vendor/Insurance Agent submits insurance to EBIX by email to roseville@ebix.com or by fax to (770) 325-5727. After faxing or emailing the certificate, please DO NOT send the certificate by mail to EBIX. Please do not mail, email or fax any certificates to the City of Roseville.
- Once submitted, EBIX reviews the insurance documentation. If there are deficiencies, EBIX will send a follow up letter or email requesting additional information.

Questions Regarding Insurance Submission: Contact EBIX at (951) 652-4239
Questions Regarding Insurance Requirements Contact Risk Management at (916) 774-5202

Asbestos-Containing Materials in City-Owned Buildings

California Health and Safety Code Section 25915 requires that all City of Roseville employees, contractors and lessees be notified annually of the presence of asbestos in City-owned buildings constructed prior to 1979. Please post this notice in an area(s) accessible to all employees, contractors and lessees. Contact Facility Maintenance & Operations at (916) 774-5740 for more information about Asbestos Containing Materials (ACMs) in specific City-owned buildings. For more information about asbestos refer to the OSHA website.

The City of Roseville is committed to maintaining a safe and healthy work environment. The City's Facility Maintenance & Operations staff conducts ongoing inspections to identify and safely manage previously installed asbestos-containing products. Renovation of City-owned buildings **MUST** be reviewed in advance by Facility Maintenance & Operations to ensure the City is in compliance with building codes, Americans with Disabilities Act and that no ACMs are disturbed without proper safeguards. Work that requires removal or repair of ACMs is restricted to trained and qualified persons only. **Facility Maintenance & Operations will need to approve the qualified contractors.**

Use the following measures to protect you and others from exposure to airborne asbestos:

- Presume all building materials contain asbestos until determined otherwise by Facility Maintenance & Operations.
- Do not install walls, closets, cabinets, ceilings.
- Do not remove, cut, drill, sand, grind or otherwise disturb any material in the buildings, including carpet and tile.
- Do not paint (this includes any walls, ceilings, floors and electrostatic painting of office furniture).
- Do not remove any items nailed or screwed to the walls (this includes pictures, cabinets, electrical, etc.).
- Do not go above ceilings, behind walls or into building spaces such as attics and crawlspaces unless these areas have been inspected and cleared by Facility Maintenance & Operations.
- Do not pull cable or wiring through above-ceiling spaces with asbestos.
- Do not install screws, pins, nails or hangers into asbestos ceiling or wall plaster.
- Be careful not to damage walls, ceilings or floors when moving furniture or equipment. It is recommended that Facility Maintenance & Operations be contacted prior to moving furniture or equipment.
- Do not brush, sweep or vacuum textured asbestos ceiling plaster or plaster debris.
- Immediately report any damage or deterioration of suspect building materials to Facility Maintenance & Operations or Risk Management.

It is important to note that the presence of asbestos does not mean you have been exposed. Exposure results when friable asbestos particles are inhaled or ingested. Asbestos becomes friable when material containing asbestos is drilled, sanded or disturbed by remodeling or demolition work or when the ACM has deteriorated. Intact, bonded, sealed or undisturbed asbestos does not pose a hazard.

Employees may review the asbestos survey reports, results of bulk sampling or air monitoring conducted in City-owned buildings. All asbestos data will be available by appointment with Facility Maintenance & Operations.

Facilities Built Pre 1979 That May Contain Asbestos	Year Built
Downtown Library - 225 Taylor Street 95678	1974
Carnegie Museum - 557 Lincoln Street 95678	1912
Tower Theatre - 415 Vernon Street 95678	1940
Fire Station #3 - 1300 Cirby Way 95661	1963
Old Corp Yard - 100 Old Corp Yard Road 95678	1940
Water Treatment Plant Operations Bldg. - 9595 Barton Road 95746	1965
Waste Water Treatment Plant Operations Bldg. - 1800 Booth Road 95747	1962
Royer Recreation Bldg. - 190 Park Drive 95678	1950
Fire Museum - 400 Lincoln Street 95678	1930
Diamond Oaks Golf - 349 Diamond Oaks Road 95678	1965
Johnson Pool, 4th & D Street	1950
330 Vernon Street	1940
107 Sutter Avenue	1962

Sign to acknowledge receipt of asbestos notification:

SIGNATURE	
COMPANY NAME	JOHNSON CONTROLS, INC.
DATE	10/6/20

Asbestos
Rev 01/16/19

Supplier	
Signature:	
Print Name:	ERIK BECK
Title:	HVAC INSTALLATION MANAGER

Supplier	
Signature:	
Print Name:	
Title:	

City of Roseville, A Municipal Corporation	
Signature:	
Print Name:	**Dominick Casey**
Title:	**City Manager**

Johnson Controls

DELEGATION OF AUTHORITY CERTIFICATE

The undersigned, Vice President and President, Building Solutions, North America, pursuant to the authority vested in him by: (i) a Sub-Delegation of Authority from **Johnson Controls, Inc.**, a Wisconsin corporation ("JCI"), dated June 6, 2017, (ii) an Incumbency Certificate and Delegation of Authority from the general partner of **Johnson Controls Fire Protection LP** (formerly known as SimplexGrinnell LP), a Delaware limited partnership ("JCFP"), dated June 8, 2017, and (iii) a Written Consent in Lieu of Special Meeting of the Management Board from **Johnson Controls Security Solutions LLC** (formerly known as Tyco Integrated Security LLC), a Delaware limited liability company ("JCSS"), dated June 8, 2017, hereby authorizes:

Erik A. Beck
Installation Manager

(the "Delegate") to perform, on behalf of each of JCI, JCFP and JCSS, the acts described below:

> To execute and deliver any and all contracts for the performance of work, sale of goods, and furnishing of services, and any other instruments in connection therewith and in the ordinary course of business and in accordance with the current Global Approval Authority Matrix.

This authority does not extend to:

a. further sub-delegation of the above acts absent necessary approvals in writing;
b. the execution of surety, performance or bid bonds;
c. the signing of any notes, contracts, or any other agreement to borrow money in the name of JCI, JCFP and JCSS, or any form of guaranty for the payment or performance of obligations of any subsidiary, affiliate, or joint venture of JCI, JCFP and JCSS; or
d. the signing, on behalf of JCI, JCFP and JCSS, of any deeds, abstracts, offers to purchase or any other instruments pertaining to the purchase or sale of real property.

Any actions taken by such Delegate within the scope of acts authorized herein taken between the date of expiration of any prior delegation of authority and the date hereof are hereby ratified, confirmed and approved as the acts and deeds of JCI, JCFP and JCSS.

This authority shall remain in full force and effect through December 1, 2020.

Signed at Milwaukee, Wisconsin, this 2nd day of December, 2019.

Johnson Controls, Inc., Johnson Controls Fire Protection LP, and Johnson Controls Security Solutions LLC

Rodney N. Rushing
Vice President and President
Building Solutions, North America

ATTESTS:

Steven W. Keane
Vice President and Assistant Secretary
Johnson Controls, Inc.

Jennifer L. Leong
Vice President and Secretary
Johnson Controls Fire Protection LP

Lee M. Finney
Vice President and Secretary
Johnson Controls Security Solutions LLC

COUNCIL COMMUNICATION

CC #: 1263
File #: 0800-02

Title:	Custodial Services - Professional Services Agreement Amendments
Contact:	Tisha Chinn 916-774-5702 tchinn@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 7.3.

RECOMMENDATION TO COUNCIL

Staff recommends Council adopt two resolutions approving contract amendments and authorizing the City Manager to execute them:

- The Fourth Amendment between the City and EMMS, Inc. dba Elite Maintenance Management Systems to increase funding for Custodial Services.
- The Third Amendment to the contract with Universal Building Services and Supply Co. to increase funding for Custodial Services and to incorporate Exhibit B, Contract Provisions for Non-Federal Entity Contracts Under Federal Awards. This exhibit will allow the City to receive federal reimbursement for COVID related costs.

BACKGROUND

On February 7, 2018, Council adopted a resolution to authorize the City Manager to sign professional services agreements with EMMS, Inc. dba Elite Maintenance Management Services, and another contract with Universal Building Services to provide citywide custodial and floor care services in accordance with RFP 01-018. Council also approved a resolution for four optional renewal years for these contracts. These contracts are both in their third of four optional years.

The Fourth Amendment with EMMS, Inc. is to increase funding by $82,896.41 to a total not-to-exceed amount of $264,685.68 for this current contract year. $49,800 of the increase is due to the additional day porter services required to combat the spread of COVID-19. The remaining $33,096.41 is needed to cover state mandated minimum wage increases.

The Third Amendment with Universal Building Services and Supply Co. (UBS), is to increase funding by $129,498.51 to a total not-to-exceed amount of $425,256.00 for this current contract year. $65,640 of the increase is due to the additional day porter services required to combat the spread of COVID-19. The remaining $63,858.51 is needed to cover state mandated minimum wage increases. In addition, the amendment will incorporate Exhibit B, Contract Provisions for Non-Federal Entity Contracts Under Federal Awards, which will allow the City to receive federal reimbursement for COVID related costs like the day porter service. The EMMS contact already includes this provision.

FISCAL IMPACT

These amendments have an increased contractual cost associated with them. The Fourth Amendment with EMMS, Inc. dba Elite Maintenance Management Systems, increases the current year contract to $264,685.68 and the total multi-year contract to $814,617.59. The Third Amendment with Universal Building Services and Supply Co. increases the current year contract to $425,256 and the total multi-year contract to $1,421,733.

There is no fiscal impact related to Exhibit B but it opens up the potential for Federal COVID related reimbursements. Funding for both contract amendments is available in the Public Works Department budget for FY2020-21.

ENVIRONMENTAL REVIEW

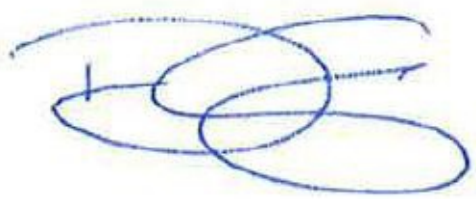
The California Environmental Quality Act (CEQA) does not apply to activities that will not result in a direct or reasonably foreseeable indirect physical change in the environment, or is otherwise not considered a project as defined by CEQA Statute §21065 and CEQA State Guidelines §15060(c)(3) and §15378.

The approval of the above contract amendments for Custodial Services meets this criteria and is not subject to CEQA.

Respectfully Submitted,

Tisha Chinn, Administrative Technician

Jason Shykowski, Public Works Director



_____
Dominick Casey, City Manager

ATTACHMENTS:

Description

Resolution 21-046

EMMS Amendment Four

Resolution 21-047

UBS Amendment Three

RESOLUTION NO. 21-046

APPROVING A FOURTH AMENDMENT TO PROFESSIONAL SERVICES AGREEMENT, BY AND BETWEEN THE CITY OF ROSEVILLE AND EMMS, INC. DBA ELITE MAINTENANCE MANAGEMENT SYSTEMS, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE

WHEREAS, a fourth amendment to professional services agreement for custodial services, by and between the City of Roseville and EMMS, Inc. dba Elite Maintenance Management Systems, has been reviewed by the City Council; and

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Roseville that said fourth amendment is hereby approved and that the City Manager is authorized to execute it on behalf of the City of Roseville.

PASSED AND ADOPTED by the Council of the City of Roseville this____day of _____, 20_, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk

FOURTH AMENDMENT TO

PROFESSIONAL SERVICES AGREEMENT

Project: Custodial Services

THIS FOURTH AMENDMENT TO AGREEMENT is made and entered into this ___ day of _____, 20__, by and between the City of Roseville, a municipal corporation ("CITY"), and EMMS, Inc. dba Elite Maintenance Management Systems, a California corporation ("CONSULTANT"); and

W I T N E S S E T H:

WHEREAS, CITY and CONSULTANT previously entered into a Professional Services Agreement dated February 7, 2018, amended January 25, 2019, amended January 6, 2020, and amended December 2, 2020("Agreement") regarding custodial services ("Project"); and

WHEREAS, CITY desires to exercise its option to extend the Agreement for one (1) additional year; and

WHEREAS, CONSULTANT is willing and able to provide such additional services.

NOW, THEREFORE, the parties agree as follows:

1. Paragraph 1 of the Agreement is amended by adding an additional paragraph to read as follows:

"The term of this Agreement shall continue upon execution of the Fourth Amendment to Agreement and expire on January 31, 2022."

2. Paragraph 3 of the Agreement is amended by adding an additional paragraph to read as follows:

"CITY shall pay two hundred sixty-four thousand, six hundred eighty-five dollars and sixty-eight cents ($264,685.68), in consideration of the additional services/rates as set forth in Exhibit "A" to the Fourth Amendment to Agreement. This brings the total not to exceed contract amount to eight hundred fourteen thousand, six hundred seven dollars and fifty-nine cents ($814,607.59)."

3. All other provisions of the Agreement shall remain unchanged and in full force and effect.

IN WITNESS WHEREOF, the City of Roseville, a municipal corporation, has authorized the execution of this Fourth Amendment to Agreement in duplicate by its City Manager and attested to by its City Clerk under the authority of Resolution No. _____, adopted by the Council of the City of Roseville on the ___ day of _____, 20__, and CONSULTANT has caused this Fourth Amendment to Agreement to be executed.

CITY OF ROSEVILLE, a municipal corporation

BY: _____
DOMINICK CASEY
City Manager

EMMS, INC., dba ELITE MAINTENANCE MANAGEMENT SYSTEMS, a California corporation

BY: _____

its: President

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

ATTEST:

and

BY: _____

BY: _____
SONIA OROZCO
City Clerk

its: _____

APPROVED AS TO FORM:

BY: _____
ROBERT R. SCHMITT
City Attorney

APPROVED AS TO SUBSTANCE:

BY: Jason Shykowski
Digitally signed by Jason Shykowski
Date: 2021.01.12 14:25:25 -08'00'
JASON SHYKOWSKI
Public Works Director

EXHIBIT "A"

EMMS, Inc. - Custodial Services - 2021 Rates

Facility Address	Facilities Usage	Appx. SQFT	Days of Service	Daily Labor HRs	Monthly Labor HRs	2021 Proposed Monthly	# of months / year	2021 Proposed Annual Cost
316 Vernon Street First Floor	Office	12000	M-F	2	43.3	$1,006.73	12	$12,080.76
316 Vernon Street Second Floor Sierra College	Office / Education	20000	M-Sat	5	129.9	$3,020.18	12	$36,242.16
316 Vernon Street Third Floor	Office / Education	20000	M-F	5	108.25	$2,516.81	12	$30,201.72
316 Vernon Street Fourth Floor	Office / Education	20000	M-F	4	86.6	$2,013.45	12	$24,161.40
Main Library - 225 Taylor Street	Library	31000	M - Sat	4	103.92	$2,416.14	12	$28,993.68
Maidu Library – 1530 Maidu Drive	Library	10000	M - Sat	1	25.98	$604.04	12	$7,248.48
Maidu Community Center - 1550 Maidu	Community Center	23000	M - Sun	5	151.55	$3,523.54	12	$42,282.48
- 1960 Johnson Ranch Drive	Interpretive Center	4000	M - F	1	21.65	$503.36	12	$6,040.32
- 1970 Johnson Ranch Drive	Museum	11000	M - F	2.5	54.125	$1,258.41	12	$15,100.92
Train Station - 201 Pacific Street	Amtrak Station	500	M - F	0.5	10.825	$251.68	12	$3,020.16
Water Treatment Plant, Barton Rd.	Office	1500	M -W- F	2	25.98	$604.04	12	$7,248.48
Johnson Pool	Pool	1500	M - F / June - Aug	1.5	32.475	$755.04	3	$2,265.12
Day Porter-311 & 316 Vernon St.-COVID disinfecting-off 2020			M-F	8	173.2	$4,150.00	12	$49,800.00
Sub Total 1		**154500**		**41.5**	**967.755**	**$22,623.42**		**$264,685.68**

RESOLUTION NO. 21-047

APPROVING A THIRD AMENDMENT TO PROFESSIONAL SERVICES AGREEMENT, BY AND BETWEEN THE CITY OF ROSEVILLE AND UNIVERSAL BUILDING SERVICES AND SUPPLY CO., AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE

WHEREAS, a third amendment to professional services agreement for custodial services, by and between the City of Roseville and Universal Building Services and Supply Co., has been reviewed by the City Council; and

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Roseville that said third amendment is hereby approved and that the City Manager is authorized to execute it on behalf of the City of Roseville.

PASSED AND ADOPTED by the Council of the City of Roseville this____day of _____, 20_, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk

THIRD AMENDMENT TO

PROFESSIONAL SERVICES AGREEMENT

Project: Custodial Services

THIS THIRD AMENDMENT TO AGREEMENT is made and entered into this ___ day of _____, 20__, by and between the City of Roseville, a municipal corporation ("CITY"), and Universal Building Services and Supply Co., a California corporation ("CONSULTANT"); and

W I T N E S S E T H:

WHEREAS, CITY and CONSULTANT previously entered into a Professional Services Agreement dated February 7, 2018, amended January 24, 2019, and amended January 6, 2020 ("Agreement") regarding custodial services ("Project"); and

WHEREAS, CITY desires to exercise its option to extend the Agreement for one (1) additional year; and

WHEREAS, CONSULTANT is willing and able to provide such additional services.

NOW, THEREFORE, the parties agree as follows:

1. Paragraph 1 of the Agreement is amended by adding an additional paragraph to read as follows:

"The term of this Agreement shall continue upon execution of the Third Amendment to Agreement and expire on January 31, 2022."

2. Paragraph 3 of the Agreement is amended by adding an additional paragraph to read as follows:

"CITY shall pay four hundred twenty-five thousand, two hundred fifty-six dollars ($425,256.00), in consideration of the additional services/rates as set forth in Exhibit "A" to the Third Amendment to Agreement. This brings the total not to exceed contract amount to one million, four hundred twenty-one thousand, and seven hundred thirty-three dollars ($1,421,733.00)."

3. CONSULTANT shall adhere to the contract provisions as described in Exhibit "B" of this Third Amendment to Agreement.

4. All other provisions of the Agreement shall remain unchanged and in full force and effect.

IN WITNESS WHEREOF, the City of Roseville, a municipal corporation, has authorized the execution of this Third Amendment to Agreement in duplicate by its City Manager and attested to by its City Clerk under the authority of Resolution No. _____, adopted by the Council of the City of Roseville on the ___ day of _____, 20__, and CONSULTANT has caused this Third Amendment to Agreement to be executed.

CITY OF ROSEVILLE, a municipal corporation

BY: _____
DOMINICK CASEY
City Manager

UNIVERSAL BUILDING SERVICES AND SUPPLY CO., a California corporation

BY: _____

its: President

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

ATTEST:

BY: _____
SONIA OROZCO
City Clerk

and

BY: Dine Bluzeau

its: Secretary

APPROVED AS TO FORM:

BY: _____
ROBERT R. SCHMITT
City Attorney

APPROVED AS TO SUBSTANCE:

BY: Jason Shykowski Digitally signed by Jason Shykowski Date: 2021.01.04 10:02:45 -08'00'
JASON SHYKOWSKI
Public Works Director

EXHIBIT "A"

Universal Building Services - 2021 Rates for Custodial Services

Location	Address	Current Monthly Cost 2020	Cost effective January 1, 2021	Months/year	Total Annual Cost
Sports Center	1545 Pleasant Grove Blvd	$ 5,336.00	$ 5,710.00	12	$ 68,520.00
Purchasing	2075 Hilltop Circle	$ 1,036.00	$ 1,109.00	12	$ 13,308.00
Corp Yard/Admin	2005 Hilltop Circle	$ 5,174.00	$ 5,536.00	12	$ 66,432.00
Electric Office	2070 Hilltop Circle	$ 1,264.00	$ 1,352.00	12	$ 16,224.00
Electric Warehouse	2080 Hilltop Circle	$ 355.00	$ 380.00	12	$ 4,560.00
Electric Admin	2090 Hilltop Circle	$ 2,995.00	$ 3,205.00	12	$ 38,460.00
Mike Shellito Indoor Pool	10210 Fairway Drive	$ 2,797.00	$ 2,993.00	12	$ 35,916.00
Aquatic Complex 9 mos: Mid-Feb to Mid-Nov	3051Woodcreek Oaks Blvd	$ 3,329.00	$ 3,562.00	9	$ 32,058.00
Aquatic Complex 3 mos: Mid-Nov to Mid-Feb	3051Woodcreek Oaks Blvd	$ 1,864.00	$ 1,994.00	3	$ 5,982.00
Riley Library	1501 Pleasant Grove Blvd	$ 5,867.00	$ 6,278.00	12	$ 75,336.00
REP - Plant 2	2155 Nichols Drive	$ 220.00	$ 235.00	12	$ 2,820.00
Day Porter-COVID	REP, 2070/2080/2090, CY-A	$ 5,112.00	$ 5,470.00	12	$ 65,640.00
			$ 37,824.00		**$ 425,256.00**

EXHIBIT “B”

Exhibit B
Revised 4/2/20

Contract Provisions for Non-Federal Entity Contracts Under Federal Awards

1. For purposes of this Exhibit B, the terms contractor, consultant, supplier, and vendor shall be used interchangeably and specifically refer to the party furnishing good and/or services to the City of Roseville (hereinafter "City") pursuant to the Agreement.

2. **Contractual remedies for breach of the Agreement:** Should any party breach any of the terms of the Agreement, the non-breaching party may commence any legal action against the other party arising out of the breach of the Agreement or the performance thereof. The prevailing party in such action shall be entitled to recover its reasonable litigation expenses, including but not limited to, court costs, expert witness fees, discovery expenses, and attorneys' fees. Any action arising out of the Agreement shall be brought in Placer County, California, regardless of where else venue may lie. This Agreement shall be governed by and construed in accordance with the laws of the State of California.

3. **Termination for cause or convenience:** At any time during the term of this Agreement, the City has the right to terminate this Agreement, provided contractor is given thirty (30) days' written notice. City's termination shall be without further liability to City, however contractor shall be entitled to all costs reasonably incurred prior to the date of termination. contractor acknowledges that City may terminate this Agreement should funds not be appropriated by its governing body to continue services under this Agreement.

4. **Equal Employment Opportunity:** The regulation at 41 C.F.R. Part 60-1.4(b) requires the insertion of the following contract clause.

   During the performance of this Agreement, the contractor agrees as follows:

   (1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following:

   Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

   (2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for

employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.

(3) The contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.

(4) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(5) The contractor will comply with all provisions of Contractor Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

(6) The contractor will furnish all information and reports required by Contractor Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

(7) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further City contracts or federally assisted construction contracts in accordance with procedures authorized in Contractor Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Contractor Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(8) The contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Contractor Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect

to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance:

Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

The applicant further agrees that it will be bound by the above equal opportunity clause with respect to its own employment practices when it participates in federally assisted construction work: Provided, That if the applicant so participating is a State or local City, the above equal opportunity clause is not applicable to any agency, instrumentality or subdivision of such City which does not participate in work on or under the contract.

The applicant agrees that it will assist and cooperate actively with the administering agency and the Secretary of Labor in obtaining the compliance of contractors and subcontractors with the equal opportunity clause and the rules, regulations, and relevant orders of the Secretary of Labor, that it will furnish the administering agency and the Secretary of Labor such information as they may require for the supervision of such compliance, and that it will otherwise assist the administering agency in the discharge of the agency's primary responsibility for securing compliance.

The applicant further agrees that it will refrain from entering into any contract or contract modification subject to Contractor Order 11246 of September 24, 1965, with a contractor debarred from, or who has not demonstrated eligibility for, City contracts and federally assisted construction contracts pursuant to the Contractor Order and will carry out such sanctions and penalties for violation of the equal opportunity clause as may be imposed upon contractors and subcontractors by the administering agency or the Secretary of Labor pursuant to Part II, Subpart D of the Contractor Order. In addition, the applicant agrees that if it fails or refuses to comply with these undertakings, the administering agency may take any or all of the following actions: Cancel, terminate, or suspend in whole or in part this grant (contract, loan, insurance, guarantee); refrain from extending any further assistance to the applicant under the program with respect to which the failure or refund occurred until satisfactory assurance of future compliance has been received from such applicant; and refer the case to the Department of Justice for appropriate legal proceedings.

5. **Davis Bacon Act:** If the Agreement is a prime construction contracts in excess of $2,000, contractor agrees:
   a. All transactions regarding this contract shall be done in compliance with the Davis-Bacon Act (40 U.S.C. 3141- 3144, and 3146-3148) and the requirements of 29 C.F.R. pt. 5 as may be applicable. The contractor shall comply with 40 U.S.C. 3141-3144, and 3146-3148 and the requirements of 29 C.F.R. pt. 5 as applicable.
   b. Contractor is required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor.

c. Additionally, contractor is required to pay wages not less than once a week.

6. **Copeland Anti-Kickback Act**: If the Agreement is a contract for construction or repair in excess of $2,000, contractor agrees:
   a. Contractor. The contractor shall comply with 18 U.S.C. § 874, 40 U.S.C. § 3145, and the requirements of 29 C.F.R. pt. 3 as may be applicable, which are incorporated by reference into this contract.
   b. Subcontracts. The contractor or subcontractors shall insert in any subcontracts the clause above and such other clauses as FEMA may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all of these contract clauses.
   c. Breach. A breach of the contract clauses above may be grounds for termination of the Agreement, and for debarment as a contractor and subcontractor as provided in 29 C.F.R. § 5.12.

7. **Contract Work Hours and Safety Standards Act**: This section applies if the Agreement is in excess of $100,000 under grant and cooperative agreement programs and involves the employment of mechanics or laborers. It is applicable to construction work. These requirements do not apply to the purchase of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.
   (1) *Overtime requirements*. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.
   (2) *Violation; liability for unpaid wages; liquidated damages*. In the event of any violation of the clause set forth in paragraph (1) of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this section, in the sum of $27 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section.
   (3) *Withholding for unpaid wages and liquidated damages*. The (write in the name of the Federal agency or the loan or grant recipient) shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work

Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.

(4) *Subcontracts.* The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1) through (4) of this section.

8. **Clean Air Act and Federal Water Pollution Control Act:** If the Agreement is in excess of $150,000:
   a. The contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq., and the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq.
   b. The contractor agrees to report each violation to the City and understands and agrees that the City will, in turn, report each violation as required to assure notification to the Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office.
   c. The contractor agrees to include these requirements in each subcontract exceeding $150,000 financed in whole or in part with Federal assistance provided by FEMA.

9. **Debarment and Suspension:**
   (1) This Agreement is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such, the contractor is required to verify that none of the contractor's principals (defined at 2 C.F.R. § 180.995) or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).
   (2) The contractor must comply with 2 C.F.R. pt. 180, subpart C and2 C.F.R. pt. 3000, subpart C, and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.
   (3) This certification is a material representation of fact relied upon by the City. If it is later determined that the contractor did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to the City, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.
   (4) The contractor agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The contractor further agrees to include a provision requiring such compliance in its lower tier covered transactions.

10. **Byrd Anti-Lobbying Amendment, 31 U.S.C. § 1352 (as amended):**
    If the Agreement is $100,000 or more, contractor shall file the required certification under the Byrd Anti-Lobbying Amendment, 31 U.S.C. § 1352 (as amended). Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or

organization for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, officer or employee of Congress, or an employee of a Member of Congress in connection with obtaining any Federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the recipient who in turn will forward the certification(s) to the awarding agency.

11. **Procurement of Recovered Materials:**
    i. In the performance of this contract, the contractor shall make maximum use of products containing recovered materials that are EPA-designated items unless the product cannot be acquired:
        1. Competitively within a timeframe providing for compliance with the contract performance schedule;
        2. Meeting contract performance requirements; or
        3. At a reasonable price.
    ii. Information about this requirement, along with the list of EPA- designated items, is available at EPA's Comprehensive Procurement Guidelines web site, https://www.epa.gov/smm/comprehensive- procurement-guideline-cpg-program.
    iii. The contractor also agrees to comply with all other applicable requirements of Section 6002 of the Solid Waste Disposal Act.

12. **Access to Records:**
    (1) The contractor agrees to provide City, the FEMA Administrator, the Comptroller General of the United States, or any of their authorized representatives access to any books, documents, papers, and records of the contractor which are directly pertinent to this contract for the purposes of making audits, examinations, excerpts, and transcriptions.
    (2) The contractor agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.
    (3) The contractor agrees to provide the FEMA Administrator or his authorized representatives access to construction or other work sites pertaining to the work being completed under the contract.
    (4) In compliance with the Disaster Recovery Act of 2018, the City and the contractor acknowledge and agree that no language in this contract is intended to prohibit audits or internal reviews by the FEMA Administrator or the Comptroller General of the United States.

13. **No Obligation by Federal Government:**
    The Federal Government is not a party to this contract and is not subject to any obligations or liabilities to the non-Federal entity, contractor, or any other party pertaining to any matter resulting from the contract.

14. **Program Fraud and False or Fraudulent Statements or Related Acts:**
    The contractor acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the contractor's actions pertaining to this contract.

COUNCIL COMMUNICATION

CC #: 1247
File #: 0203-20

Title:	Tower Theater Roof Replacement (RFQ 10-3271) - Contract Purchase Agreement
Contact:	Tiffany Valdez 916-774-5708 tvaldez@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 7.4.

RECOMMENDATION TO COUNCIL

Staff recommends City Council adopt a resolution to approve a contract purchase agreement with Rua and Son Mechanical, Inc., and authorize the City Manager to execute it on behalf of the City. Additionally, staff recommends Council approval for change order authority for a 10% construction contingency.

BACKGROUND

The Tower Theater is in critical need of roof repairs in order to protect the building's structural and internal integrity. This roof replacement is scheduled, as part of the Facility Division's 10-Year Rehabilitation Plan, in order to protect and maintain City facilities.

A formal bid was issued with the following vendor responses:

Bidder	**Lump Sum Total**
Rua and Son Mechanical, Inc. Rocklin, CA	**$296,425.00**
California Single Ply, Inc. Rocklin, CA	$314,400.00
MCM Roofing Company McClellan, CA	$345,527.00
ERC Roofing & Waterproofing, Inc. Santa Ana, CA	$346,700.00
Best Contracting Services, Inc. Gardena, CA	$368,000.00
Waterproofing Associates, Inc.	$378,500.00

Mountain View, CA

Brazos Urethane Inc. $422,450.00
Madera, CA

FISCAL IMPACT

The cost of the agreement is $296,425.00. Authorized change orders on an as-needed basis up to 10% ($29,642.50), as a construction contingency, would bring the total contract amount to $326,067.50. Although the cost of the project exceeds the $260,000 preliminary estimate, sufficient resources are available in the FY2020-21 GF Rental Facilities - Renovation and Restoration Capital Improvement Project budget because other projects have been awarded below cost estimates.

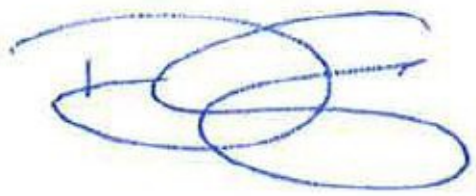
ENVIRONMENTAL REVIEW

The proposed project involves the repair of an existing facility. This activity is categorically exempt from CEQA as a Class 1 Exemption (State CEQA Guidelines Section 15301). The Exemption has been prepared and no further CEQA action is required.

Respectfully Submitted,

Tiffany Valdez, Buyer

Dennis Kauffman, Assistant City Manager/Chief Financial Officer



_____
Dominick Casey, City Manager

ATTACHMENTS:

Description

Resolution 21-035

Signed CPA

RESOLUTION NO. 21-035

APPROVING A CONTRACT PURCHASE AGREEMENT, BY AND BETWEEN THE CITY OF ROSEVILLE AND RUA AND SON MECHANICAL, INC., AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE

WHEREAS, a contract purchase agreement (3001000) for roof replacement services, by and between the City of Roseville and Rua and Son Mechanical, Inc., has been reviewed by the City Council; and

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Roseville that said contract purchase agreement is hereby approved, pending receipt and approval of bonds by the City Attorney's office; and

BE IT FURTHER RESOLVED that the City Manager or his designee is authorized to approve change orders for the project, consistent with the contract terms, provided that the net cost of all change orders shall not exceed ten percent (10%) of the contract price.

PASSED AND ADOPTED by the Council of the City of Roseville this____day of _____, 20_, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk

Contract Purchase Agreement 3001000

Supplier Details:

Company	Rua And Son Mechanical Inc
Contact	Luis Rua
Address	4265 Duluth Avenue
	Rocklin, CA 95765

Submit your response to:

Company	City of Roseville
Contact	Tiffany Valdez
Address	Purchasing Division
	2075 Hilltop Circle
	Roseville, CA 95747
Phone	(916) 774-5708
Fax	(916) 774-5736
E-mail	TValdez@roseville.ca.us

This Contract Purchase Agreement is sent for your review and acceptance. Notify the Buyer via email of any needed changes to the company name, address, and contact information. The Buyer will update the agreement prior to you signing the document.

Return two (2) signed originals of the agreement to the Buyer noted on the agreement. Alterations or modifications to the agreement are not allowed. Upon receipt of all necessary documents, the City will sign the agreement and return a fully executed copy to you. Receipt of the signed copy will be your notice to proceed with the work in accordance with the terms and conditions of the agreement. Work must not begin until the contract has been fully executed.

The following guidelines must be followed for the signature block on the agreement:

Sole proprietorship - **By owner**

Partnership - **Any general partner**

Corporation - **Two options:**
(1) A signature from the President and the corporate seal; **OR**
(2) One signature from the Chairman of the Board, President, or any Vice President **AND** one signature from the Secretary, any Assistant Secretary, Chief Financial Officer, or any Treasurer or Assistant Treasurer of the corporation

*General Manager, Office Manager and/or Sales Manager are **not** corporate officer titles. The agreement will be rejected if not signed in accordance with these guidelines.

Insurance requirements:
The City's insurance requirements are referenced on Attachment A of the agreement. By signing the agreement, you are confirming that your company has the minimum insurance limits required.

CITY OF ROSEVILLE CALIFORNIA

Contract Purchase Agreement 3001000

Agreement	3001000
Agreement Date	23-NOV-2020
Revision	0
Agreement Amount	296,425.00 USD

Invoice To
City of Roseville
Accounts Payable
311 Vernon St
ROSEVILLE CA 95678
Phone: (916) 774-5488
Fax: (916) 784-3796
Email: accountspayable@roseville.ca.us

Supplier
Rua And Son Mechanical Inc
4265 Duluth Avenue

Rocklin, CA 95765
Phone: ()
Fax: ()
Email: Louie@ruainc.com

Description of Labor, equipment and/or materials

SHALL PROVIDE ROOF REPLACEMENT SERVICES IN ACCORDANCE WITH ALL SPECIFICATIONS, ATTACHMENTS, TERMS AND CONDITIONS PER RFQ 10-3271 TOWER THEATER ROOF REPLACEMENT.

START DATE: EXECUTED AGREEMENT
END DATE: FINAL PAYMENT

PLEASE CONTACT REBECCA MCCOY AT 916-746-5706 OR RAMCCOY@ROSEVILLE.CA.US FOR QUESTIONS REGARDING THIS AGREEMENT.

Customer #	Supplier #	Payment Terms	Freight Terms	FOB	Shipping Method
	13094	Net 30	Freight on Board at the destination	Destination	Best Method

Start Date	End Date	Confirm To
		Tiffany Valdez Phone **1-916-774-5708**

Attention: Total Cost not to exceed the agreement amount without prior approval of the Purchasing office.

CL

Contract Terms and Conditions

1. To the fullest extent allowed by law, Contractor shall defend, indemnify, and save and hold harmless the City, its officers, agents, employees and volunteers from any claims, suits or actions of every name, kind and description brought forth, or on account of, injuries to or death of any person (including but not limited to workers and the public), or damage to property, resulting from or arising out of Contractor's willful misconduct or negligent act or omission while engaged in the performance of obligations or exercise of rights created by this Agreement, except those matters arising from City's sole or active negligence or willful misconduct. The parties intend that this provision shall be broadly construed. Contractor's responsibility for such defense and indemnity obligations shall survive the termination or completion of this Agreement for the full period of time allowed by law. The defense and indemnity obligations of this Agreement are undertaken in addition to, and shall not in any way be limited by, the insurance obligations contained in this Agreement.

2. Contractor is an independent contractor, and shall not be considered an officer, agent or employee of the City.

3. Without the written consent of the City, this Agreement is not assignable by Contractor either in whole or in part.

4. Time is of the essence of this Agreement.

5. At any time during the term of this Agreement, the City has the right to terminate this Agreement, provided Contractor is given thirty (30) days written notice. City's termination shall be without further liability to City; however, Contractor shall be entitled to all costs reasonably incurred prior to the date of termination. Contractor acknowledges that City may terminate this Agreement should funds not be appropriated by its governing body to continue services under this Agreement.

6. This Agreement may only be amended or modified in writing. It is integrated and contains the complete understanding of the parties.

7. All equipment, supplies and services sold to the City of Roseville shall conform to the general safety orders of the State of California.

8. Unless notified to the contrary, in writing, the City assumes that the Contractor has accepted the work in accordance with the plans and specifications (if any) and agrees to do the work in compliance with this Agreement.

9. All prevailing wages and fair employment practices must be adhered to. For prevailing wage contracts over $25,000, copies of certified payroll must be submitted with invoices. Prevailing wage rates may be obtained from the State Department of Industrial Relations and/or the following website address: http://www.dir.ca.gov/dlsr/DPreWageDetermination.htm.

10. Contractor agrees to the below insurance requirements:

    a. Unless otherwise specified, the Contractor shall maintain the policies of insurance outlined in Attachment A, incorporated herein by this reference, in full force and effect during the term of this Agreement. The City of Roseville retains sole discretion in determining the types and proper levels of insurance coverage.

b. Form. Contractor shall submit a certificate evidencing such coverage for the period covered by this Agreement in a form satisfactory to Risk Management and the City Attorney, prior to undertaking any work hereunder. Any insurance written on a claims made basis is subject to the approval of Risk Management and the City Attorney.

c. Additional Insureds. Contractor shall also provide a separate endorsement or section of the policy showing City, its officers, agents, employees, and volunteers as additional insureds for each type of coverage (except Workers' Compensation) and for ongoing and completed operations. Such insurance shall specifically cover the contractual liability of Contractor. The additional insured coverage under the Contractor's policy shall be primary and noncontributory, as evidenced by a separate endorsement or section of the policy, and shall not seek contribution from City's insurance or self-insurance. In addition, the additional insured coverage shall be at least as broad as the Insurance Services Office (ISO) CG 20 01 Endorsement. Any available insurance proceeds in excess of the specified minimum insurance coverage requirements and limits shall be available to the additional insureds. Furthermore, the requirements for coverage and limits shall be:

(1) the minimum coverage and limits specified in this Agreement; or
(2) the full coverage and maximum limits of any insurance proceeds available to the named insureds, whichever is greater.

d. Cancellation/Modification. Contractor shall provide ten (10) days written notice to City prior to cancellation or modification of any insurance required by this Agreement.

e. Umbrella/Excess Insurance. The limits of insurance required in this Agreement may be satisfied by a combination of primary and excess insurance. Any excess insurance shall contain or be endorsed to contain a provision that such coverage shall also apply on a primary and noncontributory basis for the benefit of City (if agreed to in a written contract) before City's own insurance shall be called upon to protect it as a named insured.

f. Subcontractors. Contractor agrees to include in its contracts with all subcontractors the same requirements and provisions of this Agreement, including the indemnity and insurance requirements, to the extent they apply to the scope of the subcontractor's work. Furthermore, Contractor shall require its subcontractors to agree to be bound to Contractor and City in the same manner and to the same extent as Contractor is bound to City under this Agreement. Additionally, Contractor shall obligate its subcontractors to comply with these same provisions with respect to any tertiary subcontractor, regardless of tier. A copy of City's indemnity and insurance provisions will be furnished to the subcontractor or tertiary subcontractor upon request.

g. Self-Insured Retentions. All self-insured retentions (SIR) must be disclosed to Risk Management for approval and shall not reduce the limits of liability. Policies containing any SIR provision shall provide or be endorsed to provide that the SIR may be satisfied by either the named insured or City. City reserves the right to obtain a full certified copy of any insurance policy and endorsements. The failure to exercise this right shall not constitute a waiver of such right.

h. Waiver of Subrogation. Contractor hereby agrees to waive subrogation which any insurer of Contractor may acquire from Contractor by virtue of the payment of any loss under a Workers Compensation, Commercial General Liability or Automobile Liability policy. All Workers Compensation, Commercial General

Liability and Automobile Liability policies shall be endorsed with a waiver of subrogation in favor of City, its officers, agents, employees and volunteers for all work performed by Contractor, its employees, agents and subcontractors.

i. Liability/Remedies. Insurance coverage in the minimum amounts set forth herein shall not be construed to relieve Contractor of liability in excess of such coverage, nor shall it preclude City from taking such other actions as are available to it under any other provisions of this Agreement or law.

11. Contractor shall comply with all federal, state and local laws and ordinances, including but not limited to the City's storm water regulations, as may be applicable to the performance of services under this Agreement. Failure to comply with local ordinances may result in monetary fines and cancellation of this Agreement. Refer to www.roseville.ca.us/stormwater for links to more information on the City's storm water regulations.

12. In the event that the terms of any attachment or exhibit conflict with any terms of this Agreement, the terms of this Agreement shall control.

13. This Agreement may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. In the event that any signature is delivered by facsimile transmission or by e-mail delivery of a ".pdf" format data file, such signature shall create a valid and binding obligation of the party executing (or on whose behalf such signature is executed) with the same force and effect as if such facsimile or ".pdf" signature page were an original thereof.

14. If either party commences any legal action against the other party arising out of this Agreement or the performance thereof, the prevailing party in such action shall be entitled to recover its reasonable litigation expenses, including but not limited to, court costs, expert witness fees, discovery expenses, and attorneys' fees. Any action arising out of this Agreement shall be brought in Placer County, California, regardless of where else venue may lie. This Agreement shall be governed by and construed in accordance with the laws of the State of California.

15. This Agreement shall be binding upon the heirs, successors, executors, administrators and assigns of the respective parties hereto.

16. If any of the provisions contained in this Agreement are for any reason held invalid or unenforceable, such holding shall not affect the remaining provisions or the validity and enforceability of the Agreement as a whole.

17. For purposes of this Agreement, the terms "Contractor," "Consultant," and "Supplier" are used interchangeably.

18. No contractor or subcontractor may work on a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5. During the performance of this agreement, Contractor and its subcontractors shall have a continuing legal obligation to maintain current registration with the Department of Industrial Relations. Contractor is hereby notified that this project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

19. Contractor must submit all claims as defined in and in accordance with the claim resolution process set forth in Section 9204 of the Public Contract Code. Each such claim must be sent to the City by registered mail or certified mail with return receipt requested and must contain reasonable documentation to support the claim. All claims must be received prior to acceptance of the work.

20. Contractor agrees to defend and indemnify City if, despite the parties intent and practice, any venue, agency, or court with competent jurisdiction determines that Contractor and/or any of its agents, officers, employees, volunteers, independent contractors, or subcontractors, are characterized as employee(s) of City. Contractor and City agree that: (a) Contractor is free from the control and direction of City in connection with the performance of the work; (b) Contractor is providing services directly to City; (c) Contractor has and will maintain at all relevant times a business license; (d) Contractor maintains a business location that is separate from City; (e) Contractor is customarily engaged in an independently established business of the same nature as that involved in the work performed hereunder; (f) Contractor actually contracts with other businesses to provide the same or similar services and maintains a clientele without restrictions from City; (g) Contractor advertises and holds itself out to the public as available to provide the same or similar services; (h) Contractor provides its own tools, vehicles, and equipment to perform the services; (i) Contractor has negotiated its own rates; (j) Contractor set its own hours and location of work in accomplishing City's on-call needs; and (k) Contractor has the right to control the manner and means of accomplishing the result desired and exercises its own expert independent judgement.

The supplier named hereon by the acceptance of this order agrees to the provisions of this document titled "Contract Purchase Agreement" and all accompanying terms, conditions, and attachments.

Roseville Business License No. 00837068

Contractor License No. 816570

DIR Registration No. 1000002506

Check mark the applicable company type below:

__X__ **Corporation**

_____ **Limited Liability Company**

_____ **Partnership**

_____ **Sole Proprietor**

City Reserves the right to withold any payments to contractor in the event of noncompliance with insurance requirements or if required by law.
Construction T&C
REV 5/3/18 JS

LL

ATTACHMENT A
HUMAN RESOURCES/RISK MANAGEMENT DIVISION
INSURANCE REQUIREMENTS
AGREEMENT OVER FORMAL BID LIMIT OR INVOLVING HIGH RISK ACTIVITIES

General - Required Coverage/Documentation

- General Liability: $1 Million per occurrence /$2 Million aggregate
- Automobile Liability: $1 Million combined single limit
- Workers' Compensation: Statutory *Must provide a Waiver of subrogation
- Additional Insured Endorsement (AIE) - General Liability policy: CG 20 38 04 13 or an equivalent, blanket endorsement or section of the policy. Endorsement shall cover the City of Roseville, its officers, agents, employees and volunteers as additional insured.
- Policies must be primary and non-contributory
- A 30 day notice of cancellation must be provided
- List certificate holder as: The City of Roseville - Insurance Compliance, PO Box 100085-R1, Duluth, GA 30096

Additional Liability/Insurance Requirements if required by Agreement (and marked below):

Construction: X
General Liability:
$2 Million/occurrence
$4 Million aggregate

Design Professional:____
General Liability:
$2 Million/occurrence
$4 Million aggregate
Professional Liability:
$2 Million/occurrence

Professional Consultant:____
Professional Liability:
$1 Million/occurrence

IT Services:____
Professional Liability:
$1 Million/occurrence
No auto required

Hazardous Materials:____
Pollution Liability:
$1 Million/occurrence

Special Events/Caterers-Vendors:____
No auto required
No workers' comp required

Professional Counseling/ Psychological:____
Professional Liability:
$1 Million/occurrence
No auto required

Pyrotechnics:____
General Liability:
$5 Million/occurrence
$10 Million aggregate
Auto - $2 Million/occurrence

Chemical/Environmental:____
General Liability:
$3 Million/occurrence
$6 Million aggregate
Pollution – $2 Million/Occurrence
Auto - $2 Million/Occurrence

Insurance Submission Process

The City of Roseville Human Resources/Risk Management Department uses a service called EBIX to manage our insurance certificate tracking.

How It Works

- The vendor's contact information is entered into EBIX. EBIX will contact the vendor to request proof of insurance.
- The Vendor can forward the request to their Insurance Agent(s) if necessary.
- Vendor/Insurance Agent submits insurance to EBIX by email to roseville@ebix.com or by fax to (770) 325-5727. After faxing or emailing the certificate, please DO NOT send the certificate by mail to EBIX. Please do not mail, email or fax any certificates to the City of Roseville.
- Once submitted, EBIX reviews the insurance documentation. If there are deficiencies, EBIX will send a follow up letter or email requesting additional information.

Questions Regarding Insurance Submission: Contact EBIX at (951) 652-4239
Questions Regarding Insurance Requirements Contact Risk Management at (916) 774-5202

Asbestos-Containing Materials in City-Owned Buildings

California Health and Safety Code Section 25915 requires that all City of Roseville employees, contractors and lessees be notified annually of the presence of asbestos in City-owned buildings constructed prior to 1979. Please post this notice in an area(s) accessible to all employees, contractors and lessees. Contact Facility Maintenance & Operations at (916) 774-5740 for more information about Asbestos Containing Materials (ACMs) in specific City-owned buildings. For more information about asbestos refer to the OSHA website.

The City of Roseville is committed to maintaining a safe and healthy work environment. The City's Facility Maintenance & Operations staff conducts ongoing inspections to identify and safely manage previously installed asbestos-containing products. Renovation of City-owned buildings **MUST** be reviewed in advance by Facility Maintenance & Operations to ensure the City is in compliance with building codes, Americans with Disabilities Act and that no ACMs are disturbed without proper safeguards. Work that requires removal or repair of ACMs is restricted to trained and qualified persons only. **Facility Maintenance & Operations will need to approve the qualified contractors**.

Use the following measures to protect you and others from exposure to airborne asbestos:

- Presume all building materials contain asbestos until determined otherwise by Facility Maintenance & Operations.
- Do not install walls, closets, cabinets, ceilings.
- Do not remove, cut, drill, sand, grind or otherwise disturb any material in the buildings, including carpet and tile.
- Do not paint (this includes any walls, ceilings, floors and electrostatic painting of office furniture).
- Do not remove any items nailed or screwed to the walls (this includes pictures, cabinets, electrical, etc.).
- Do not go above ceilings, behind walls or into building spaces such as attics and crawlspaces unless these areas have been inspected and cleared by Facility Maintenance & Operations.
- Do not pull cable or wiring through above-ceiling spaces with asbestos.
- Do not install screws, pins, nails or hangers into asbestos ceiling or wall plaster.
- Be careful not to damage walls, ceilings or floors when moving furniture or equipment. It is recommended that Facility Maintenance & Operations be contacted prior to moving furniture or equipment.
- Do not brush, sweep or vacuum textured asbestos ceiling plaster or plaster debris.
- Immediately report any damage or deterioration of suspect building materials to Facility Maintenance & Operations or Risk Management.

It is important to note that the presence of asbestos does not mean you have been exposed. Exposure results when friable asbestos particles are inhaled or ingested. Asbestos becomes friable when material containing asbestos is drilled, sanded or disturbed by remodeling or demolition work or when the ACM has deteriorated. Intact, bonded, sealed or undisturbed asbestos does not pose a hazard.

Employees may review the asbestos survey reports, results of bulk sampling or air monitoring conducted in City-owned buildings. All asbestos data will be available by appointment with Facility Maintenance & Operations.

CL

Facilities Built Pre 1979 That May Contain Asbestos	Year Built
Downtown Library - 225 Taylor Street 95678	1974
Carnegie Museum - 557 Lincoln Street 95678	1912
Tower Theatre - 415 Vernon Street 95678	1940
Fire Station #3 - 1300 Cirby Way 95661	1963
Old Corp Yard - 100 Old Corp Yard Road 95678	1940
Water Treatment Plant Operations Bldg.- 9595 Barton Road 95746	1965
Waste Water Treatment Plant Operations Bldg. - 1800 Booth Road 95747	1962
Royer Recreation Bldg. - 190 Park Drive 95678	1950
Fire Museum - 400 Lincoln Street 95678	1930
Diamond Oaks Golf - 349 Diamond Oaks Road 95678	1965
Johnson Pool, 4th & D Street	1950
330 Vernon Street	1940
107 Sutter Avenue	1962

Sign to acknowledge receipt of asbestos notification:

SIGNATURE	
COMPANY NAME	Rua + Son Mechanical, Inc.
DATE	12/9/2020

Asbestos
Rev 01/16/19

Supplier	
Signature:	
Print Name:	Luis Rua
Title:	President

Supplier	
Signature:	
Print Name:	
Title:	

City of Roseville, A Municipal Corporation	
Signature:	
Print Name:	Dominick Casey
Title:	City Manager

COUNCIL COMMUNICATION

CC #: 1252
File #: 0203-09

Title: Miscellaneous Waterworks Materials (RFQ 10-3280) - Purchase Orders
Contact: Joanna Oukrop 916-774-5745 joukrop@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 7.5.

RECOMMENDATION TO COUNCIL

Staff recommends Council approve purchase orders to Pace Supply Corporation and Ferguson Enterprises, LLC dba Ferguson Waterworks as the lowest responsive and responsible bidders for the purchase of miscellaneous waterworks materials on an as-needed basis.

BACKGROUND

Various City departments have ongoing requirements for waterworks materials to maintain City facilities and infrastructure. These materials are primarily used for repairs, upgrades, maintenance, and new service additions to the City's water and sewer lines.

Purchasing staff solicited pricing on 473 waterworks items as a sampling of products regularly purchased either directly by the end using departments for specific projects or by Purchasing staff to stock the Central Stores Warehouse supply of waterworks materials. Bidders were asked to quote a quantity of one each of the products that were supplied to obtain the unit price for each item with the bid being awarded by line item. Bidders were also asked to quote a percentage discount off of manufacturer's list price for broad categories of waterworks items that were not specifically listed in the bid. The bid award specified that the two bidders who had the greatest number of low bids would be awarded the contract. Ferguson Enterprises, LLC dba Ferguson Waterworks and Pace Supply Corporation are the two bidders.

A formal request for bids was issued with the following vendor responses:

Bidder	Attachment A Acknowledge	Attachment B Acknowledge
Pace Supply Corporation Sacramento, CA	**Yes**	**Yes**
Ferguson Enterprises, LLC Roseville, CA	**Yes**	**Yes**
Normac Corp. Sacramento, CA	Yes	Yes

FISCAL IMPACT

The estimated total annual value of the award is $375,000 for the twelve-month period from February 3, 2021 to February 2, 2022. Spending in FY2021-22 is contingent upon Council approval of the City budget.

ENVIRONMENTAL REVIEW

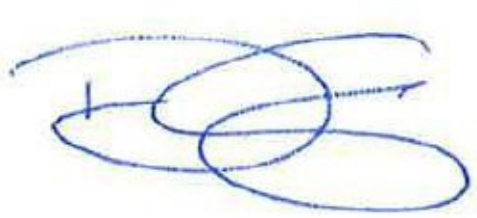
The California Environmental Quality Act (CEQA) does not apply to activities that will not result in a direct or reasonably foreseeable indirect physical change in the environment, or is otherwise not considered a project as defined by CEQA Statute §21065 and CEQA State Guidelines §15060(c)(3) and §15378.

The purchase of waterworks materials meets the above criteria and is not subject to CEQA. No additional environmental review is required.

Respectfully Submitted,

Joanna Oukrop, Senior Buyer

Dennis Kauffman, Assistant City Manager/Chief Financial Officer



_____
Dominick Casey, City Manager

ATTACHMENTS:
Description

COUNCIL COMMUNICATION

CC #: 1246
File #: 0203-06

Title:	Technology Equipment – Purchase Order Spending Authority Increase
Contact:	Sage Armstrong 916-774-5679 sarmstrong@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 7.6.

RECOMMENDATION TO COUNCIL

Staff recommends City Council approve an increase in spending authority for an existing contract with Dell Marketing, L.P. from the not-to-exceed total of $120,000 to $180,000.

BACKGROUND

Roseville Electric (RE) supports and maintains industrial control systems which provide critical information for the output, status, and conditions of distribution and generation operational environments. These control systems utilize proprietary and general technology equipment. General technology equipment includes desktop computers, software, servers, and accessories. In order to take advantage of competitive pricing for general technology equipment and related software, RE is utilizing an open purchase order piggybacking the following existing contract:

• Dell Marketing, LP utilizing Western States Contracting Alliance - National Association of State Procurement Officials (WSCA-NASPO) ValuePoint Cooperative master agreement number MNWNC-108 with the State of California Participating Addendum number 7-15-70-34-003.

This purchase order was authorized by Council on July 1, 2020.

In recent years, RE has launched several initiatives to advance grid technology in order to secure key infrastructure and to improve customer communications. These initiatives include an outage communication system, distribution facility cyber security enhancement, and key system upgrades. RE has the need to purchase additional hardware and software to support these projects.

FISCAL IMPACT

The total combined cost of the hardware and software purchases will not exceed $180,000. Funding for this increase is included in the FY2020-21 Electric Operations Fund budget.

ENVIRONMENTAL REVIEW

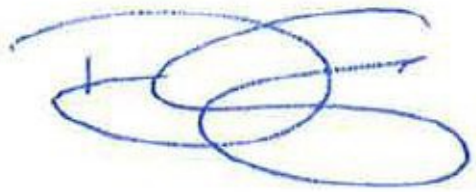
The California Environmental Quality Act (CEQA) does not apply to activities that will not result in a direct or reasonably foreseeable indirect physical change in the environment, or is otherwise not considered a project as defined by CEQA Statute §21065 and CEQA State Guidelines §15060(c)(3) and §15378.

The increase in allowed spending meets the above criteria and is not subject to CEQA. No additional environmental review is required.

Respectfully Submitted,

Sage Armstrong, Electric Technology Systems Administrator

Michelle Bertolino, Electric Utility Director



_____
Dominick Casey, City Manager

ATTACHMENTS:
Description

COUNCIL COMMUNICATION

CC #: 1248
File #: 0203-01

Title: Vehicle and Equipment - Purchase Orders
Contact: Brian Craighead 916-774-5731 bcraighead@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 7.7.

RECOMMENDATION TO COUNCIL

RFQ 10-3283
Staff recommends Council approve a purchase order to Napa Valley Ford Lincoln Mercury, Inc. dba Napa Ford for two Ford F250 trucks utilizing RFQ 10-3283 as a replacement for Fleet ID 08-203 and one fleet addition approved in the FY2020-21 Fleet Replacement budget. The total cost including options and sales tax is $59,565.

Sourcewell
Staff recommends Council approve a purchase order to The Charles Machine Works, Inc. for one Ditch Witch HX50 vacuum excavator utilizing Sourcewell contract #012418-CMW as a new fleet addition approved in the FY2020-21 Fleet Replacement budget. The total cost including options and sales tax is $89,647.

BACKGROUND

RFQ10-3283
The Environmental Utilities Department's Water Distribution division is purchasing one Ford F250 truck as a replacement for Fleet ID 08-203. This truck is assigned to a construction crew responsible for water leak detection, asset gathering and warranty inspections for new development. The truck is also used to tow trailers to construction sites to perform repairs on water lines, water mains, and fire hydrants.

The Parks, Recreation & Libraries Department's Parks Maintenance division is purchasing one Ford F250 truck as a new fleet addition. This truck will be used by park maintenance staff to service the newly constructed Harry Crabb and Central Park facilities opening up this season.

RFQ 10-3283 included options based on each division’s needs. Since all options are not required for every Ford F250 the PO pricing will be lower than the total price. This results in a dollar amount below that differs from that shown elsewhere in this communication.

A formal bid was issued with the following vendor responses:

Vendor Total price (with all potential options)
Towne Ford $62,960.00
Redwood City, CA

Napa Ford $63,463.76
Napa, CA

San Leandro Ford $64,847.22
San Leandro, CA

The apparent low bidder, Towne Ford, did not include pricing for all options and is deemed non-responsive.

Sourcewell
At the December 16, 2020 City Council meeting, a Ditch Witch HX50 was approved for purchase. The vendor sent a copy of their W9 as Pape DW Inc. dba Ditch Witch West and a PO was issued under that name. Upon receipt, the vendor requested that the vendor name change to The Charles Machine Works, Inc. who is the manufacturer of the Ditch Witch vacuum excavator. The original PO was canceled and a new requisition was entered to issue a new PO to The Charles Machine Works, Inc. company. The Ditch Witch HX50 will be used by the Roseville Electric Construction and Maintenance division to excavate on and around subsurface utilities when using other means is deemed unsafe. Many subsurface utilities require either hand digging or vacuum excavation equipment to identify the exact locations of their facilities. This equipment is crucial when performing electric utility pole replacements and identifying the location of faulted primary and secondary electrical lines.

Vehicle replacements are based on the Fleet Scoring System which considers factors such as age, mileage, reliability, prior maintenance and repair costs, and current condition. Below are the vehicle replacement scores. A score of 23 or more indicates the vehicle is eligible for replacement.

Vehicle ID	Replacement Score	Vehicle Condition
08-203	32	Meets City replacement criteria

FISCAL IMPACT

RFQ 10-3283
The total cost of two Ford F250 trucks including options and sales tax is $59,565. Funding is included in the FY2020-21 Fleet Replacement budget.

Sourcewell
The total cost of one Ditch Witch HX50 vacuum excavator including options and sales tax is $89,647. Funding is included in the FY2020-21 Fleet Replacement budget.

ENVIRONMENTAL REVIEW

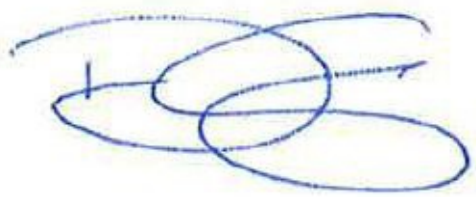
The California Environmental Quality Act (CEQA) does not apply to activities that will not result in a direct or reasonably foreseeable indirect physical change in the environment, or is otherwise not

considered a project as defined by CEQA Statute §21065 and CEQA State Guidelines §15060(c)(3) and §15378. The purchase of vehicles and equipment meets the above criteria and is not subject to CEQA. No additional environmental review is required.

Respectfully Submitted,

Brian Craighead, Fleet Manager

Jason Shykowski, Public Works Director



_____

Dominick Casey, City Manager

ATTACHMENTS:

Description

COUNCIL COMMUNICATION

CC #: 1264
File #: 0323

Title: Communication Software Licensing - Agreement Amendment
Contact: Claudia Harlan 916-774-5003 charlan@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 7.8.

RECOMMENDATION TO COUNCIL

Recommend City Council adopt a resolution to approve an amendment to the existing agreement with Tyler Technologies for purposes of removing unused services from the agreement, and authorize the City Manager to execute it.

BACKGROUND

The City has a software licensing agreement with Tyler Technologies Inc. (formerly known as New World Systems), effective November 6, 2014, for the purchase and installation of a public safety computer system, including computer-aided dispatch, police records, fire records, mobile computing and field reporting, related interfaces and services, support and maintenance.

The Police Department would like to amend the agreement to remove unused and not needed services from the agreement. Tyler Technologies Inc. will credit the amount previously paid for these services as reflected in the attached Roseville CA Amendment 090420.

FISCAL IMPACT

The Amendment allocates an available credit for unused services of $48,460 to the ProQA interface, AMR (CAD to CAD) interface, and the last milestone payment to Tyler Technologies Inc. The remainder of the last milestone payment will be paid from the New World Capital Improvement Project budget. New World annual maintenance costs will increase by $6,810 to support the ProQA and ASAP interfaces. The increased annual maintenance cost will be funded by the Information Technology Operations Internal Service Fund budget.

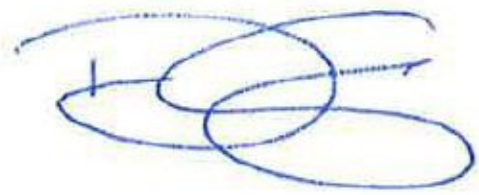
ENVIRONMENTAL REVIEW

The California Environmental Quality Act (CEQA) only applies to projects which have the potential to cause a significant effect on the environment. Where it can be seen with certainty that there is no possibility that the activity in question may have a significant effect on the environment, the activity is not subject to CEQA. (CEQA Guidelines §15061(b)(3)).

Respectfully Submitted,

Mark Peinado, Management Analyst

Troy Bergstrom, Acting Police Chief



_____

Dominick Casey, City Manager

ATTACHMENTS:

Description

Resolution 21-048

Roseville CA Amendment 090420

Tyler Tech ASAP Interface Agreement

RESOLUTION NO. 21-048

APPROVING AN AMENDMENT TO AGREEMENT, BY AND BETWEEN THE CITY OF ROSEVILLE AND TYLER TECHNOLOGIES, INC. AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE

WHEREAS, an amendment to agreement (Roseville CA Amendment 090420.doc), for communication software licensing, by and between the City of Roseville and Tyler Technologies, Inc. has been reviewed by the City Council; and

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Roseville that said amendment is hereby approved and that the City Manager is authorized to execute it on behalf of the City of Roseville.

PASSED AND ADOPTED by the Council of the City of Roseville this____day of _____, 20_, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk

Tyler Technologies, Inc. – Public Safety Division

New Contract **New/Upgrade** **Upgrade** **3rd Party** **Services** **SSMA**

Customer: **Roseville CA** NWPS No: **1767** Softrax No: **50190**

Population: **139,117** Platform: **ENT** Original Contract Date: **11-16-04**

Contract ID No **2020-30278-2** Project: **ASAP Interface**

Signature Date: **05-21-20** Distribution Date: **05-21-20**

PRO SERVICES / CLIENT SUCCESS / DEVELOPMENT

- ☐ Erin Miller, SVP Operations
- ☐ Kevin Flynn, VP Professional Services
- ☐ Malcolm Logan
- ☐ Tammi Dorsey
- ☐ Larry Piper
- ☐ Ryan Martin
- ☐ Sean Gallagher
- ☐ Britt Wollenweber
- ☐ Ray Taylor
- ☐ Ryan Yoakam
- ☐ Teri Oger
- ☐ Jonathan Cook
- ☐ Adam Bobola
- ☐ Craig Salyers
- ☐ Jim Dennig
- ☐ Bob Motzny
- ☐ Cindy Barber / Sue Knowlton
- ☐ Paul Case, VP Client Success
- ☐ Eric Burnson
- ☐ Jim Wisor
- ☐ Kathleen McIntire
- ☐ Lisa Verbeeren
- ☐ Kristy Kaer

ORIGINALS

Date Returned: **N/A**

Returned by: **Pre-Sign**

ACCOUNTING / DISTRIBUTION

- ☐ Dean Chmiel
- ☐ Chuck Twigg
- ☐ Dennis Kleinedler
- ☐ Jennifer Korsak
- ☐ Ling Xiao Sun
- ☐ Steve McDonald

SALES / SALES OPERATIONS

- ☐ Craig Nelson, VP Sales
- ☐ Mark Dvorak, Installed Sales
- ☐ John Wright
- ☐ Lori English
- ☐ Scott Bitoff / Adam Boyd
- ☐ Kathy Fant
- ☐ Sales Director **Dvorak**
- ☐ Account Exec **Brown**
- ☐ Client Executive **Fallwell**

OTHERS / SOFTCODE / BRAZOS / SOCRATA

- ☐ Brazos Distribution
- ☐ SoftCode Distribution
- ☐ Socrata Distribution
- ☐ SceneDoc Distribution
- ☐ _____
- ☐ _____
- ☐ _____

Contract considered a: **New Sale** **X** **Upgrade Sale**

tyler technologies

AMENDMENT

This amendment ("Amendment") is effective as of the date of signature of the last party to sign as indicated below ("Amendment Effective Date"), by and between Tyler Technologies, Inc., a Delaware corporation with offices at 840 West Long Lake Road, Troy, MI 48098 ("Tyler") and Roseville Police Department, CA, with offices at 1051 Junction Blvd., Roseville, CA 95678 ("Client").

WHEREAS, Tyler and the Client are parties to a License Agreement with an effective date of November 6, 2014 (the "Agreement");

WHEREAS, Tyler and Client now desire to amend the Agreement;

NOW THEREFORE, in consideration of the mutual promises hereinafter contained, Tyler and the Client agree as follows:

1. The software and services set forth in Exhibit 1 to this Amendment are hereby added to the Agreement. Any additional adjustments to scope not set forth herein must be reflected in another amendment to the Agreement.

2. The following payment terms, as applicable, shall apply:

    a. Client currently has an outstanding one-time credit of $7,090.00 available. Such credit shall be applied towards the fees set forth in Exhibit 1 to this Amendment, which will be invoiced on July 31st, 2020. Upon execution of this Amendment, if the credit has already been applied towards other Client invoices, Client will be responsible for the full amount.
    b. Associated maintenance and support fees will be invoiced on a pro rata basis beginning on July 31st, 2020, following the Amendment Effective Date, and thereafter in a lump sum amount together with Client's then-current maintenance and support fees for previously licensed software.
    c. Fixed price services are invoiced upon complete delivery of the service.

3. This Amendment shall be governed by and construed in accordance with the terms and conditions of the Agreement.

4. All other terms and conditions of the Agreement shall remain in full force and effect.

IN WITNESS WHEREOF, a duly authorized representative of each party has executed this Amendment as of the date of signature of the last party to sign as indicated below.

Tyler Technologies, Inc.	Roseville Police Department, CA
By:	By:
Name: Bryan Proctor	Name: Dominick Casey
Title: President, Public Safety Division	Title: City Manager
Date: 5/21/20	Date: 5/21/2020

Exhibit 1
Amendment Investment Summary

The following Amendment Investment Summary details the software, products, and services to be delivered by us to you under the Agreement. This Amendment Investment Summary is effective as of the Amendment Effective Date

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new world
a tyler public safety solution

Date:	5/7/2020
Quote Expiration:	7/22/2020
Quote Name:	Roseville PD ASAP interface
Quote Number:	2020-30278-2
Quote Description:	ASAP Interface

Sales Quotation For
Roseville Police Department
1051 Junction Blvd
Roseville , CA 95678-7191
Phone: 9167745037

Tyler Software and Related Services

Description		License	Impl Hours	Impl Cost	Module Total	Year One Maintenance
Computer Aided Dispatch						
ASAP Interface		$20,000	0	$0	$20,000	$3,780
	Sub-Total:	*$20,000*		*$0*	*$20,000*	*$3,780*
	Less Discount:	*$2,000*		*$0*	*$2,000*	*$0*
	TOTAL:	**$18,000**	**0**	**$0**	**$18,000**	**$3,780**

Services

Description		Quantity	Unit Price	Discount	Total
ASAP Interface Installation		1	$5,800	$0	$5,800
	TOTAL:				**$5,800**

Summary	**One Time Fees**	**Recurring Fees**
Total Tyler Software	$18,000	$3,780
Total Annual Fees		$0
Total Tyler Services	$5,800	
Total Other Costs	$0	
Total Third Party Hardware, Software and Services	$0	$0
Travel and Living Expenses	$0	
Summary Total	**$23,800**	**$3,780**

Tyler Discount Detail

Description		License	License Discount	License Net	Maintenance
Computer Aided Dispatch					
ASAP Interface		$20,000	$2,000	$18,000	$3,780
	Sub-Total:	*$20,000*	*$2,000*	*$18,000*	*$3,780*
	Total:	**$20,000**	**$2,000**	**$18,000**	**$3,780**

Assumptions

Personal Computers must meet the minimum hardware requirements for New World products. Microsoft Windows 7/8.1/10 32/64 bit or later is required for all client machines. Windows Server 2012/2016 and SQL Server 2012/2014/2016 are required for the Application and Database Server(s).

New World product requires Microsoft Windows Server 2012/2016 and SQL Server 2012/2016, including required Client Access Licenses (CALs) for applicable Microsoft products. Servers must meet minimum hardware requirements provided by Tyler. The supported Microsoft operating system and SQL versions are specific to Tyler's release versions.

New World product requires Microsoft Excel or Windows Search 4.0 for document searching functionality; Microsoft Word is required on the application server for report formatting.

Tyler recommends a 100/1000MB (GB) Ethernet network for the local area network. Wide area network requirements vary based on system configuration, Tyler will provide further consultation for this environment.

Does not include servers, workstations, or any required third-party hardware or software unless specified in this Investment Summary. Client is responsible for any third-party support.

Licensed Software, and third-party software embedded therein, if any, will be delivered in a machine readable form to Client via an agreed upon network connection. Any taxes or fees imposed are the responsibility of the purchaser and will be remitted when imposed.

Tyler's GIS implementation services are to assist the Client in preparing the required GIS data for use with the Licensed New World Software. Depending upon the Licensed Software the Client at a minimum will be required to provide an accurate street centerline layer and the appropriate polygon layers needed for Unit Recommendations and Run Cards in an industry standard Esri file format (Personal Geodatabase, File Geodatabase, Shape Files). Client is responsible for having clearly defined boundaries for Police Beats, EMS Districts and Fire Quadrants. If necessary Tyler will assist Client in creating the necessary polygon layers (Police Beats, EMS Districts and Fire Quadrants) for Unit Recommendations and Run Cards. Tyler is not responsible for the accuracy of or any ongoing maintenance of the GIS data used within the Licensed New World Software.

Client is responsible for any ongoing annual maintenance on third-party products, and is advised to contact the third-party vendor to ensure understanding of and compliance with all maintenance requirements

All Tyler Clients are required to use Esri's ArcGIS Suite to maintain GIS data. All maintenance, training and ongoing support of this product will be contracted with and conducted by Esri. Maintenance for Esri's ArcGIS suite of products that are used for maintaining Client's GIS data will be contracted by Client separately with Esri.

CAD Maintenance includes 24/7 Support.

When Custom interface is included, Custom interface will be operational with existing third-party software. Any subsequent changes to third-party applications may require additional services.

When State/NCIC is included, Client is responsible for obtaining the necessary State approval and any non-Tyler hardware and software. Includes state-specific standard forms developed by Tyler. Additional forms can be provided for an additional fee.

COUNCIL COMMUNICATION

CC #: 1255
File #: 0900-04-02

Title:	Roseville Parkway Extension Project - Professional Services Agreement
Contact:	Daniel Lierly 916-746-1300 delierly@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 7.9.

RECOMMENDATION TO COUNCIL

Staff recommends the City Council adopt a resolution authorizing the City Manager to execute a professional services agreement with Interwest Consulting Group, Inc. for right of way services for the Roseville Parkway Extension project with a not-to-exceed fee of $83,165.

BACKGROUND

Roseville Parkway is a multi-lane arterial roadway providing a connection from Northwest Roseville to East Roseville and Granite Bay. The roadway is continuous besides a 0.75 mile segment between Foothills Blvd and Washington Blvd. At their December 19th, 2019 meeting, City Council approved a Professional Design Service agreement with Mark Thomas to complete the design and environmental document for the project. The project scope includes the construction of:

- Four vehicle travel lanes (two in each direction);
- Curb, gutter and sidewalk;
- On-street bike lanes;
- Separated multi-use path;
- Street lights;
- Street landscaping; and
- The construction of an overpass spanning the Union Pacific Railroad tracks and Industrial Avenue

At their September 16th, 2020 meeting, City Council approved the adoption of the Initial Study/Mitigated Negative Declaration (IS/MND) and Mitigation Monitoring and Reporting Program (MMRP) for the Roseville Parkway Extension; and Approved the project as described therein.

Most of the right-of-way needed for the project was previously secured. However, during final design some additional areas of needed easements and real property acquisition were identified. A request for proposals for right of way services was released on September 25th, 2020 and we received seven proposals on October 13th, 2020. A panel of three staff reviewed the proposals and unanimously selected Interwest Consulting Group for this work.

Public Outreach:
Since 2019, the Roseville Parkway Extension Project has been driven by robust public participation, including a virtual community open house, stakeholder representative group meetings, online surveys, and email and social media updates. Details about the project can be found at roseville.ca.us/ParkwayExtension. The community will continue to be engaged as the project moves forward.

FISCAL IMPACT

The total not-to-exceed contract amount of the Professional Services Agreement is $83,165. This agreement is fully funded with Traffic Mitigation Fees and sufficient funds already exist in the project budget to cover this cost. No General Fund resources are being used for this project.

ENVIRONMENTAL REVIEW

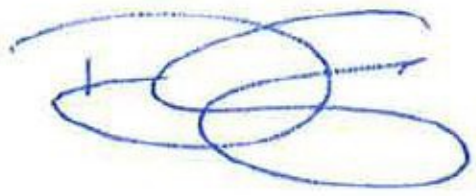
The California Environmental Quality Act (CEQA) does not apply to activities that will not result in a direct or reasonably foreseeable indirect physical change in the environment, or is otherwise not considered a project as defined by CEQA Statute §21065 and CEQA State Guidelines §15060(c)(3) and §15378.

The approval of a professional services agreement for acquisition services for the Roseville Parkway Extension project meets the above criteria and is not subject to CEQA. No additional environmental review is required.

Respectfully Submitted,

Daniel Lierly, Assistant Engineer

Jason Shykowski, Public Works Director



_____
Dominick Casey, City Manager

ATTACHMENTS:

Description

Resolution 21-038

Professional Service Agreement

Exhibit A - Project Location Map

RESOLUTION NO. 21-038

APPROVING A PROFESSIONAL SERVICES AGREEMENT, BY AND BETWEEN THE CITY OF ROSEVILLE AND INTERWEST CONSULTING GROUP, INC., AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE

WHEREAS, a professional services agreement for acquisition services for the Roseville Parkway Extension project, between the City of Roseville and Interwest Consulting Group, Inc., has been reviewed by the City Council; and

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Roseville that said agreement is hereby approved and that the City Manager is authorized to execute it on behalf of the City of Roseville.

PASSED AND ADOPTED by the Council of the City of Roseville this____day of _____, 20_, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk

PROFESSIONAL SERVICES AGREEMENT

Acquisition Services for Roseville Parkway Extension Project

THIS AGREEMENT is made and entered into this ___ day of _____, 20__, by and between the City of Roseville, a municipal corporation ("CITY"), and Interwest Consulting Group, Inc., a Colorado corporation ("CONSULTANT"); and

W I T N E S S E T H:

WHEREAS, CITY desires professional services consisting of acquisition services for the Roseville Parkway Extension project; and

WHEREAS, CONSULTANT has prepared a proposal dated December 7, 2020, which describes the scope of work to be performed by CONSULTANT, the budget for the work, and the schedule for performance of the work; and

WHEREAS, CONSULTANT is qualified and experienced to provide such professional services.

NOW, THEREFORE, the parties agree as follows:

1. Services. CONSULTANT shall perform, at the direction of CITY, the scope of services as described in EXHIBIT "A," attached hereto and incorporated herein by this reference.

2. Compensation. For its services provided hereunder, CONSULTANT shall be compensated on a time and expense basis in accordance with the budget estimate as described in

EXHIBIT "B," attached hereto and incorporated herein by this reference. Total compensation shall not exceed eighty-three thousand, one hundred sixty-five dollars ($83,165).

CONSULTANT shall submit one monthly invoice for its services. Such invoices shall be delineated by task, the person performing the services, and the hourly rate, which shall be stated in time increments of not greater than one tenth (1/10) hours. CITY shall pay invoices within thirty (30) days after receipt, if the services specified in the invoice have been satisfactorily completed.

3. Indemnification. To the fullest extent allowed by law, CONSULTANT shall defend, indemnify, and save and hold harmless CITY, its officers, agents, employees and volunteers from any claims, suits or actions of every name, kind and description brought forth, or on account of, injuries to or death of any person (including but not limited to workers and the public), or damage to property, resulting from or arising out of CONSULTANT's willful misconduct or negligent act or omission while engaged in the performance of obligations or exercise of rights created by this Agreement, except those matters arising from CITY's sole negligence or willful misconduct. The parties intend that this provision shall be broadly construed.

CONSULTANT's responsibility for such defense and indemnity obligations shall survive the termination or completion of this Agreement for the full period of time allowed by law. The defense and indemnity obligations of this Agreement are undertaken in addition to, and shall not in any way be limited by, the insurance obligations contained in this Agreement.

4. Insurance. CONSULTANT agrees to continuously maintain, in full force and effect, the following minimum policies of insurance during the term of this Agreement.

COVERAGE	LIMITS OF LIABILITY
Workers' Compensation	Statutory
Commercial General Liability	$1,000,000 each occurrence $2,000,000 aggregate Personal Injury: $1,000,000 each occurrence $2,000,000 aggregate
Automobile Liability	$1,000,000 combined single limit
Professional Liability (errors and omissions)	$1,000,000 per claim $2,000,000 aggregate

a. Form. CONSULTANT shall submit a certificate evidencing such coverage for the period covered by this Agreement in a form satisfactory to Risk Management and the City Attorney, prior to undertaking any work hereunder. Any insurance written on a claims made basis is subject to the approval of Risk Management and the City Attorney.

b. Additional Insureds. CONSULTANT shall also provide a separate endorsement form or section of the policy showing CITY, its officers, agents, employees and volunteers as additional insureds for each type of coverage, except for Workers' Compensation and Professional Liability. Such insurance shall specifically cover the contractual liability of CONSULTANT. The additional insured coverage under the CONSULTANT's policy shall be primary and noncontributory, as evidenced by a separate endorsement or section of the policy, and shall not seek contribution from CITY's insurance or self-insurance. In addition, the additional insured coverage shall be at least as broad as the Insurance Services Office ("ISO") CG 20 01 Endorsement. Any available insurance proceeds in excess of the specified minimum insurance coverage requirements and limits shall be available to the additional insureds. Furthermore, the requirements for coverage and limits shall be: (1) the minimum coverage and

limits specified in this Agreement; or (2) the full coverage and maximum limits of any insurance proceeds available to the named insureds, whichever is greater.

c. Cancellation/Modification. CONSULTANT shall provide ten (10) days written notice to CITY prior to cancellation or modification of any insurance required by this Agreement.

d. Umbrella/Excess Insurance. The limits of insurance required in this Agreement may be satisfied by a combination of primary and excess insurance. Any excess insurance shall contain or be endorsed to contain a provision that such coverage shall also apply on a primary and noncontributory basis for the benefit of CITY (if agreed to in a written contract) before CITY's own insurance shall be called upon to protect it as a named insured.

e. Subcontractors. CONSULTANT agrees to include in its contracts with all subcontractors the same requirements and provisions of this Agreement, including the indemnity and insurance requirements, to the extent they apply to the scope of the subcontractor's work. Furthermore, CONSULTANT shall require its subcontractors to agree to be bound to CONSULTANT and CITY in the same manner and to the same extent as CONSULTANT is bound to CITY under this Agreement. Additionally, CONSULTANT shall obligate its subcontractors to comply with these same provisions with respect to any tertiary subcontractor, regardless of tier. A copy of CITY's indemnity and insurance provisions will be furnished to the subcontractor or tertiary subcontractor upon request.

f. Self-Insured Retentions. All self-insured retentions ("SIR") must be disclosed to Risk Management for approval and shall not reduce the limits of liability. Policies containing any SIR provision shall provide or be endorsed to provide that the SIR may be satisfied by either the named insured or CITY. CITY reserves the right to obtain a full

certified copy of any insurance policy and endorsements. The failure to exercise this right shall not constitute a waiver of such right.

g. Waiver of Subrogation. CONSULTANT hereby agrees to waive subrogation which any insurer of CONSULTANT may acquire from CONSULTANT by virtue of the payment of any loss under a Workers Compensation, Commercial General Liability or Automobile Liability policy. All Workers Compensation, Commercial General Liability and Automobile Liability policies shall be endorsed with a waiver of subrogation in favor of CITY, its officers, agents, employees and volunteers for all worked performed by CONSULTANT, its employees, agents and subcontractors.

h. Liability/Remedies. Insurance coverage in the minimum amounts set forth herein shall not be construed to relieve CONSULTANT of liability in excess of such coverage, nor shall it preclude CITY from taking such other actions as are available to it under any other provisions of this Agreement or law.

5. Records. CONSULTANT and its subcontractors shall maintain all files and records relating to the services performed hereunder during the term of this Agreement and for a period of not less than one (1) year after the date of termination or expiration. Provided, however, that in the event of litigation or settlement of claims arising from the performance of this Agreement, CONSULTANT and its subcontractors shall maintain all files and records until such litigation, appeals or claims are resolved. Duly authorized representatives of CITY shall have right of access during normal business hours and after reasonable notice to CONSULTANT's and subcontractors' files and records relating to the services performed hereunder, and may review and copy the files and records at appropriate stages during performance of the services and during the one (1) year period following termination or

expiration of this Agreement. CONSULTANT shall include this provisions in its contracts with all subcontractors.

6. Time is of the Essence. Time is of the essence of this Agreement.

7. Compliance with Laws. CONSULTANT shall comply with all federal, state and local laws, ordinances and policies as may be applicable to the performance of services under this Agreement.

8. Ability to Perform. CONSULTANT agrees and represents that it has the time, ability and professional expertise to perform the services required under this Agreement.

9. Governing Agreement. In the event of any conflict between this Agreement and its EXHIBITS, the provisions of this Agreement shall govern. In the event of any conflict between any of the EXHIBITS, the provisions of the first in order of attachment shall govern.

10. Assignment. CONSULTANT is employed to perform unique personal services. CONSULTANT shall not assign this Agreement without the prior written consent of CITY. CONSULTANT shall not employ or otherwise incur any obligation to pay other specialists or experts for services in connection with this Agreement, without prior written consent of CITY.

11. Independent Contractor. CONSULTANT shall act as an independent contractor, and covenants and agrees that it will conduct itself consistent with such status, that it will neither hold itself out as, nor claim to be, an officer or employee of CITY by reason of this Agreement.

12. Representations and Warranties. CONSULTANT warrants that it has not employed or retained any company or person, other than a bona fide employee working for CONSULTANT, to solicit or secure this Agreement, and that it has not paid or agreed to pay any company or person, other than a bona fide employee, any fee, commission, percentage, brokerage fee, gift or any other consideration, contingent upon or resulting from the award or

making of this Agreement. For breach or violation of this warranty, CITY shall have the right to terminate as void this Agreement, without liability, or, in its discretion, to deduct from the Agreement price or consideration, or otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gift or contingent fee.

13. Successors in Interest. This Agreement shall be binding upon the heirs, successors, executors, administrators and assigns of the respective parties hereto.

14. Copyright, Ownership and Use of Materials. All tangible material ("Material") created or delivered pursuant to this Agreement is considered a work made for hire under the Copyright Act. To the extent such Material does not qualify as a work made for hire, CONSULTANT hereby assigns to CITY all right, title, and interest, including but not limited to all copyrights, in all Material created by CONSULTANT in its performance under this Agreement. Material constitutes the scope of work outlined in Exhibit A and attached hereto, and all written and other tangible expressions, including but not limited to, drawings (including computer aided drawings), papers, documents, reports, surveys, renderings, exhibits, sketches, maps, models, prints, paintings or photographs, in any and all media or formats in which such materials have been created or are maintained. All Material furnished by CONSULTANT is, and shall remain, the property of CITY.

CONSULTANT shall execute any documents necessary to effectuate such assignment. In the event that CONSULTANT uses, employs, designates, or retains any person or entity who is not an employee of CONSULTANT, to perform any work required of it pursuant to this Agreement, CONSULTANT shall require said person or entity to execute an agreement containing the preceding paragraph.

15. Termination of Agreement. The City may terminate this Agreement without cause by giving CONSULTANT ten (10) days advance written notice from the City Manager. CONSULTANT may terminate this Agreement without cause by giving CITY thirty (30) days advance written notice. In the event of termination through no fault of CONSULTANT, CITY shall compensate CONSULTANT for services performed as of the date of termination, upon the release to CITY of all Material hereunder, in any and all media or formats in which such materials have been created or are maintained. CITY retains the right to receive and use any Material, notwithstanding any termination or any dispute regarding the amount to be paid.

16. Attorney's Fees; Venue; Governing Law. If either party commences any legal action against the other party arising out of this Agreement or the performance hereof, the prevailing party in such action shall be entitled to recover its reasonable litigation expenses, including but not limited to, court costs, expert witness fees, discovery expenses, and attorney's fees. Any action arising out of this Agreement shall be brought in Placer County, California, regardless of where else venue may lie. This Agreement shall be governed by and construed in accordance with the laws of the State of California.

17. Modification. This Agreement and each provision contained herein may be waived, amended, supplemented or eliminated only by mutual written agreement of the parties.

18. Severability. If any of the provisions contained in this Agreement are for any reason held invalid or unenforceable, such holding shall not affect the remaining provisions or the validity and enforceability of the Agreement as a whole.

19. Notices. Any notices to parties required by this Agreement shall be delivered personally or mailed, U.S. first class postage prepaid, addressed as follows:

CITY OF ROSEVILLE	CONSULTANT
Daniel Lierly, Asst. Engineer 311 Vernon Street Roseville, CA 95678	Gina Wong 1613 Santa Clara Drive, Ste. #100 Roseville, CA 95661

Either party may amend its address for notice by giving notice to the other party in writing.

20. Integrated Agreement. This is an integrated agreement and contains all of the terms, considerations, understanding and promises of the parties. It shall be read as a whole.

IN WITNESS WHEREOF, the City of Roseville, a municipal corporation, has authorized the execution of this Agreement in duplicate by its City Manager and attested to by its City Clerk under the authority of Resolution No. _____, adopted by the Council of the City of Roseville on the ___ day of _____, 20__, and CONSULTANT has caused this Agreement to be executed.

CITY OF ROSEVILLE, a municipal corporation

BY:_____
DOMINICK CASEY
City Manager

ATTEST:

BY:_____
SONIA OROZCO
City Clerk

INTERWEST CONSULTING GROUP, INC., a Colorado corporation

BY: Michael Kashiwagi
its: Chief Operations Officer

and

BY: _____
its: _____

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

OFFICER'S CERTIFICATE

I, Terry J. Rodrigue, hereby certify that:

1. I am a duly elected, qualified and acting President and Corporate Secretary of Interwest Consulting Group, Inc., a duly organized and existing Colorado corporation; and

2. Interwest Consulting Group, Inc. policy sets forth the delegation of authority to the company's officers and employees to create financial, contractual, and other obligations on behalf of Interwest in the course of performing their employment. This policy permits delegation of signature authority to authorized Contract Representatives. Michael Kashiwagi, Ron Beehler, James G. Ross, and Debra Thorson are such authorized Contract Representatives as long as they are employed by Interwest, and therefore by this delegation each has signature authority to sign proposals and bind Interwest Consulting Group, Inc. in contractual commitments.

IN WITNESS WHEREOF, I have executed this Officer's Certificate and affixed the corporate seal of Interwest Consulting Group, Inc. this 1st day of November 2019.

Interwest Consulting Group, Inc.

Corporate Seal

Terry J. Rodrigue
President and Corporate Secretary

State of Colorado)
) ss.
County of Boulder)

The undersigned, a Notary Public, does hereby certify that on this 1st day of November 2019, personally appeared before me, Terry J. Rodrigue, who being first duly sworn an oath, declared that he is the President and Corporate Secretary of Interwest Consulting Group, Inc. and that he signed the foregoing document in his capacity as President and Corporate Secretary of the corporation, and that the statements contained herein are true.

IN WITNESS WHEREOF, I have hereunto set my hand and seal the date set forth above.

Dorothy I. Worley
Notary Public

DOROTHY I. WORLEY
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20054029536
MY COMMISSION EXPIRES JULY 27, 2021

APPROVED AS TO FORM:

BY: _____
ROBERT R. SCHMITT
City Attorney

APPROVED AS TO SUBSTANCE:

BY: _____
JASON SHYKOWSKI
Public Works Director

EXHIBIT “A”

INTERWEST

TASK 1: PROJECT MANAGEMENT

- **Meetings.** Attend meetings with the City, including the initial kick-off meeting. Meeting minutes, agendas and reports are provided when directed by the City's project administrator.
- **Status Reports.** Provide and maintain title, appraisal, acquisition and relocation database/status reports for all project personnel to access.
- **Subconsultant Management.** Provide management and coordination of services for all subconsultants.
- **Escrow Coordination.** Provide coordination services with the escrow company, including ordering preliminary title reports, opening escrows and facilitating escrows for the acquired property.
- **Scheduling.** Prepare and provide the City with project schedules, as needed.
- **Quality Assurance/Quality Control Management.** Provide quality control management for all areas of the project, including coordinating efforts with the City to ensure a compliant project.
- **Data Management.** We will use QuickBase as a project management tool for tracking project-related tasks and milestones, as well as customized dashboards for monitoring individual performance efficiency, timelines and cost containment strategies. Our reports are tailored to each client's specifications to provide the critical information necessary for management decisions.
- **Project Close-Out.** Provide the services required to finalize and close out the project according to the Uniform Act, as amended, and California law.

TASK 2: APPRAISAL

- **Manage and Distribute Appraisal Assignments.** Facilitate the distribution of appraisal assignments, including appraisal review reports and ensure clarification of scope of the project.
- **Coordinate Meetings.** Hold meetings with the selected appraiser and review appraiser to review and discuss the project scope, requirements for the appraisal reports and reviews, as well as the type of reports required and the required written notice of inspection to the owner.
- **Notice of Intent to Appraise.** Prepare the Notice of Intent to Appraise letter for each property, advising the property owners of the proposed project, introducing the appraiser and providing contact information to answer questions and concerns.
- **Conduct Appraisal Inspection.** An appraisal inspection will be conducted to become familiar with the physical and functional characteristics of the impacted parcels, as well as to distinguish the influence of the immediate physical environment.
- **Determine Highest and Best Use.** Just compensation for the full and partial acquisitions will be as set for thin the California Code of Civil Procedure, Part 3, Title 7, Chapter 9, Sections 1263.320 through 1263.430, as appropriate for eminent domain purposes.
- **Obtain Appraisals.** Obtain appraisals and summary of value statements for each acquisition prepared in accordance with the California laws and Uniform Standards of Professional Appraisal Practices (USPAP). Record information into the database and properly disperse appraisal reports.
- **Appraisal Reports.** The format and level of documentation for an appraisal report depends on the complexity of the appraisal problem. Complex property assignments are to be reported in a self-contained, narrative format. A summary report, in conformance with USPAP Standards Rule 2-2(b), is permitted in cases, which, by virtue of their low value or simplicity, do not require the in-depth analysis and presentation necessary in a narrative appraisal report.
- **Just Compensation.** Upon completion of the appraisal, the appraiser will complete a Summary of Just Compensation report to establish the highest and best use valuation.

TASK 3: REVIEW APPRAISAL

Review appraisers are required to address a number of specific items pertaining to the appraisal report under review including: the completeness of the report; adequacy and relevance of the data; propriety of the adjustments; form an opinion as to the appropriateness of the appraisal methods and techniques used to complete the appraisal; and form an opinion as to whether or not the analyses, opinions and conclusions are appropriate and reasonable or develop reasons for any disagreements.

In addition to USPAP, eminent domain projects with federal and state funding require compliance with various additional regulations and guidelines. All appraisal review assignments will comply with Standard Rule 3 of USPAP. The scope of work for an appraisal review will include the following steps:

- **Identify the Appraiser.** Identify the appraiser(s) that conducted the appraisal.
- **Research the Property.** Become familiar with the subject property, and review legal descriptions and plat maps, title reports, environmental reports, and related documents, as applicable.
- **Research the Area.** Become familiar with the subject neighborhood and the comparable properties used in the various analyses.
- **Review the Math.** Check all mathematical calculations made by the appraiser(s);
- **Review the Narrative.** Cross-reference narrative descriptions within the report with photographs, maps, and other exhibits (when included in the work under review).
- **Review the Approach.** Review the weighting assigned to the approaches to value used in the appraisal.
- **Check for Compliance.** Determine if accepted appraisal principles, techniques, and standards were followed in arriving at the property value in accordance with USPAP, and California law, Caltrans, as applicable.
- **Check for Oversight.** Ensure that the appraiser did not overlook any feature that would materially affect the property value.
- **Determine the Report's Completeness.** Develop an opinion as to the completeness of the material under review, given the review appraiser's scope of work.
- **Form an Opinion.** Given the review appraiser's scope of work, develop an opinion as to the following: 1) the adequacy and relevance of the data and the propriety of any adjustments to the data; 2) the appropriateness of the appraisal methods and techniques used and reasons for any disagreement; 3) the appropriateness and reasonability of the analyses, opinions, and conclusions and reasons for any disagreement; and 4) whether the appraisal can be used to establish fair market value for the subject parcel.
- **Make a Recommendation.** Determine whether the primary appraiser's estimate of fair market value should be used as just compensation for the proposed acquisition.

TASK 4: ACQUISITION AND NEGOTIATION

- **Review Plans.** Review project plans to become familiar with the project and its impacts on various properties.
- **Verify Conformance.** Verify that legal descriptions, plat maps, right of way plans, surveys and appraisals correspond and are accurate.
- P**TR Review.** Interwest's qualified staff reviews the PTRs to inspect each report for accuracy of the stated ownership, Assessor Parcel Numbers and other pertinent information. Additionally, as applicable, the listed liens, encumbrances and/or mortgages, etc., are analyzed to determine if consents/subordinations are required to clear title.

- **Offer Package.** Prepare and present the written offer letter to the property owner, along with the appraisal summary of value, purchase agreement, deeds, escrow instructions, brochure and agent's business card upon the initiation of negotiations, after review and approval by the City's representative. Submit all legal documents for the City's legal counsel to review when language is added, deleted or revised.

- **Acquisition and Negotiation.** Conduct negotiations for the acquisition of each parcel in accordance with all federal and state policies and procedures, including making the initial purchase offer in person when the owner resides in the project area, if possible. Offers to out-of-area owners will be sent via certified mail with a return receipt.
- **Railroad Acquisition.** Function as single point of contact with UPRR and serve as a liaison between the City, UPRR and project design engineer. Work with the engineer and the City to coordinate and review all necessary documents, including but not limited to, title reports, assessor maps, and railroad val-prints. Assist the City and/or engineer with the preparation of any required UPRR permit applications needed to enter railroad operating right of way, conveying documents, preparation of legals and plats, and appraisal review.
- **Administrative Settlement Recommendations.** Provide the City with a written recommendation and support documentation for all counter offers and proposed settlement terms for review and approval.
- **Open and Monitor Escrows.** Coordinate with the selected title company and open escrows on all purchases. Interwest monitors escrows, reviews all escrow documents, requests funds, ensures that the City receives title insurance policies in the amount of the purchase cost of the land/improvements, and clears title to all properties acquired.
- **City and Owner Liaison.** Provide liaison duties between the City and property owners.
- **Contact Documentation.** Thoroughly document contact with property owners and/or their representatives, indicating attendees, time and place of meetings. Documentation includes thorough diaries and copies of all correspondence and emails. Diaries are updated immediately after each contact, if possible, and are housed in a permanent acquisition file.
- **Parcel Files.** Establish and maintain an accurate and complete working file for each parcel in a professional and standard format. Additionally, all pertinent project files are maintained in electronic formats and provided to the City at completion of the project.
- **Meetings.** Attend any required or additional meetings, as deemed necessary by the City to communicate progress and discuss project issues.
- **Close-Out Acquisition File.** Complete a final quality assurance/quality control review on the file for close-out, provide final status reports to the City and deliver final files to the City upon completion of the project. Additionally, the City will receive a flash drive with all pertinent project data stored in systematically organized project folders.

TASK 5: ENVIRONMENTAL SERVICES - PHASE I ENVIRONMENTAL SITE ASSESSMENT

A Phase I Environmental Site Assessment (ESA), or an Initial Site Assessment (ISA), is usually required for any portion of a property planned to be transferred to a public agency. The objective of the Phase I ESA is to evaluate whether hazardous materials or other adverse environmental conditions are present due to past or present use of the site and/or properties within its vicinity. The proposed services for the Phase I ESA are consistent with applicable sections of the ASTM International 2013 guidance (Designation Number E-1527-13), the United States Environmental Protection Agency (EPA) Standards and Practices for All Appropriate Inquiries, and, as applicable, Caltrans regulations. Phase I ESAs are provided by CPSI's environmental subconsultant and include the following tasks:

- **Site Visit.** Visually evaluate sites for: possible contaminated surface soil or surface water; improperly stored hazardous materials; sources of polychlorinated biphenyls; and risks of contamination from activities at the site. Properties within and adjoining the project site will be visually evaluated from public rights of way only.
- **Site Vicinity Reconnaissance.** Evaluate characteristics of adjacent properties for possible environmental influences on the site.
- **Database Search and Review.** Conduct a review of readily available government and regulatory agency environmental lists for the project site and properties located within approximately .25 miles of the site. Through the database search, our team evaluates locations where hazardous materials may have been used or stored and their possible effects on the site. On-site properties of concern will be further evaluated by requesting and reviewing available environmental documents for these properties from regulatory agencies

or by interviewing regulatory agency personnel. Our team's scope includes reviewing up to two agency files for nearby leaking underground storage tank cases, but does not include reviewing the files for other off-site properties. The locations for properties of concern will be shown on site maps.

- **Review State Maps and Information.** Review State of California Department of Conservation, Division of Oil, Gas and Geothermal Resources oil field maps and information provided by the Pipeline and Hazardous Materials Safety Administration regarding oil and natural gas pipelines.
- **Historical Land Use Analysis.** Complete a review of the site and adjacent historical land use to provide an overview of past uses that likely involved the use or storage of hazardous materials. Information used to review the site history includes historical aerial photographs, Sanborn Maps, and historic U.S. Geological Survey Topographic Maps. CPSI's environmental consultant will note historical site uses involving the use or storage of hazardous materials from the time when the site was undeveloped.
- **Environmental Lien Searches.** Obtain and review environmental lien searches for parcels being transferred or requiring permanent easements and, as applicable, temporary construction easements.
- **Prepare an ESA Report for the Site.** The ESA report documents findings and includes a thorough discussion of conclusions and recommendations regarding the environmental condition of the project site. It also provides recommendations for additional assessment, as appropriate.
- **Sub-Surface Evaluation** (As Applicable). Depending on the results of the ESA, an additional sub-surface evaluation may be recommended for adverse environmental conditions that are not and cannot be known at this time.

TASK 6: CONDEMNATION SUPPORT (OPTIONAL SERVICE)

It is Interwest's goal to successfully acquire every site under amicable terms and relocate every displacee with the least amount of disturbance; however, this is not always possible. When this situation arises, we offer our clients a detailed account of the actions and timelines and recommend condemnation. If a condemnation action is warranted, Interwest will support the City or its legal representative through the process. During this time, unless otherwise directed by the City, Interwest will continue to negotiate with the owners/tenants to reach a reasonable conclusion in order to prevent actual litigation.

Interwest's personnel are exceptionally knowledgeable concerning the state laws of California. Our condemnation support services include the following tasks.

- Providing the City's legal counsel with a complete and documented case file.
- Obtaining litigation guarantees.
- Verifying title information and furnishing information to the City's legal counsel.
- Preparing the appropriate notice for the Resolution of Necessity hearing.
- Attending Resolution of Necessity hearings.
- Continuing negotiations with owners as authorized by their representatives.
- Providing case recommendations under acceptable administrative settlement provisions.
- Serving summons and complaints as requested by the City's legal counsel.
- Providing expert testimony.

EXHIBIT “B”

December 07, 2020

INTERWEST

INTERWEST CONSULTING GROUP
COST ESTIMATE FOR THE ROSEVILLE PARKWAY EXTENSION PROJECT

Subconsultants:
Title Services - First American Title
Appraisals - Integra Realty Resources
Appraisal Review - Sierra West Valuation

Notes:
Corporate Broker Kent Jorgensen - Oversight provided as a value-added service at no additional labor cost.

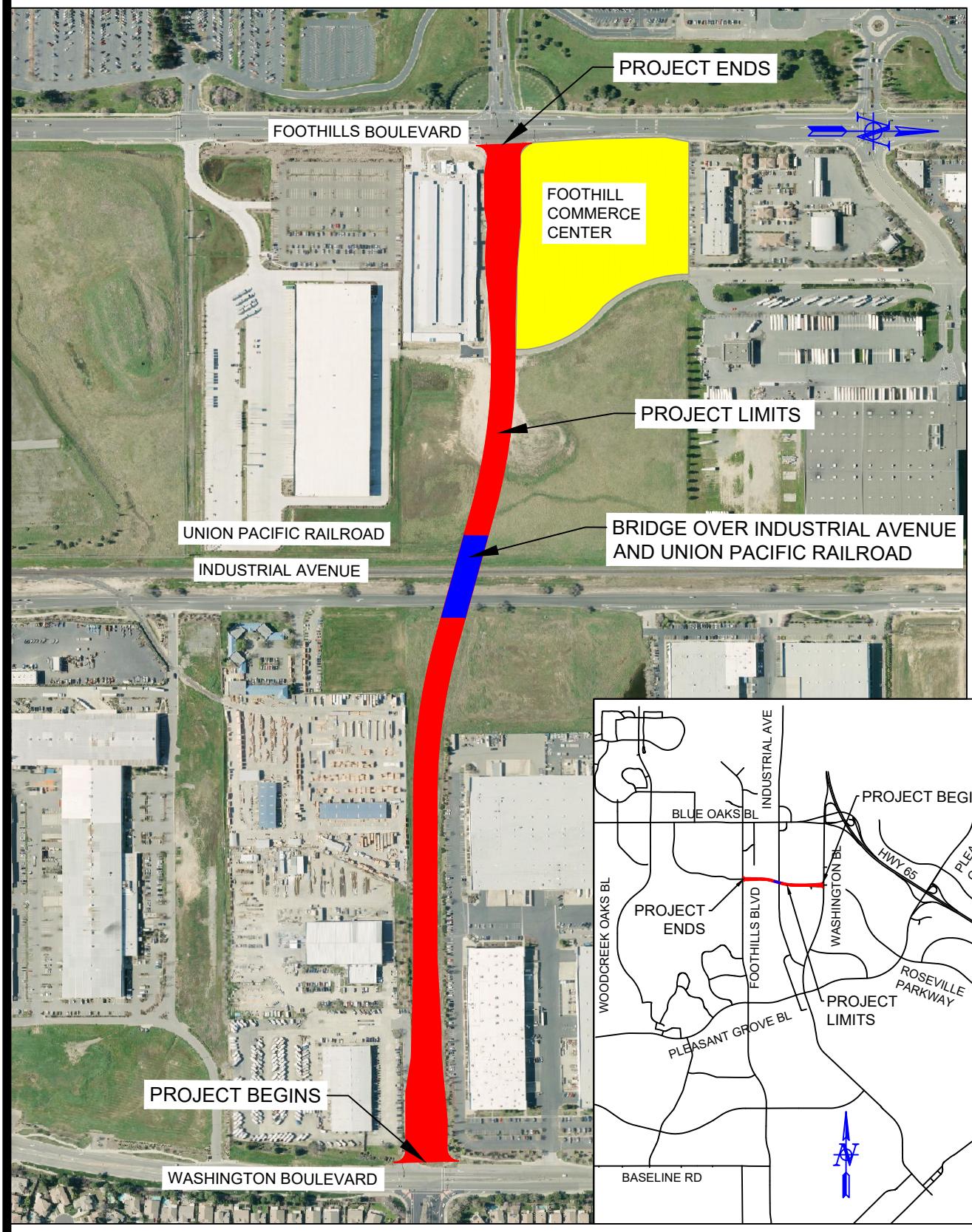
Task No.	Task	Staff	Qty.	Flat Rate/Hours	Hourly Rate	Cost
1	**Real Estate Project Management**					
		Interwest-Gina Wong		30 hrs.	$150.00	$ 4,500.00
		First American Title - Prelims	5	$ 750.00 /parcel	N/A	$ 3,750.00
2	**Appraisal Services - Primary Report**					
		Integra Realty Resources	5	$ 4,800.00 /parcel	N/A	$ 24,000.00
3	**Review Appraisals Services**					
		Sierra West Valuation	3	$ 1,500.00 /parcel	N/A	$ 4,500.00
			2	$ 1,700.00 /parcel	N/A	$ 3,400.00
4	**Acquisition/Negotiation Services**					
		Interwest-John Almazan	3	125 hrs.	$135.00	$ 16,875.00
		Interwest-Sarah Williams	3	150 hrs.	$110.00	$ 16,500.00
5	**Phase I ESA's**	Rincon	1	5 Parcels - One Report	N/A	$ 6,400.00
					TOTAL COST:	**$ 79,925.00**

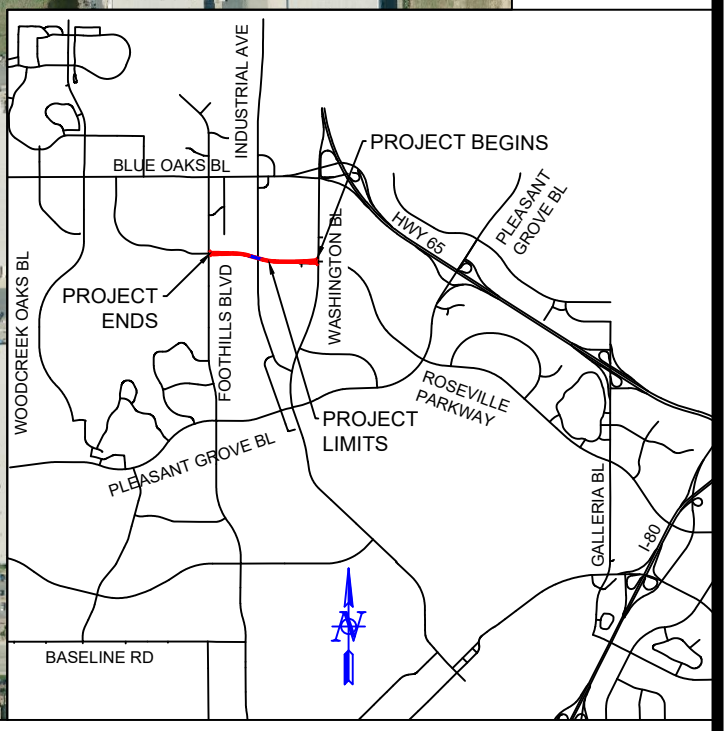
Notes: **Pricing for the preliminary title reports, appraisals and review appraisals are at a flat rate. All Interwest staff work is billed on an hourly basis. Note that any condemnation support will be billed hourly and is not included in this budget. Five (5) parcels will require acquisition of property rights; one (1) parcel requires advising/assistance only.**

	OPTIONAL - UPPR REVIEW					
	Review/Oversight - UPPR Review C&M Agmt including Appraisal	Interwest		24 hrs.	$135.00	$ 3,240.00
					TOTAL COST:	**$ 3,240.00**

Notes: **Included in the Optional Scope of Services, Interwest will act in a review/assistance role between the City and project design engineer. Work with the City and the engineer includes assist/review/oversight of UPRR documents and review of UPRR appraisal.**

EXHIBIT A
PROJECT AREA MAP





CITY OF ROSEVILLE CALIFORNIA

LOCATION MAP
NO SCALE

COUNCIL COMMUNICATION

CC #: 1239
File #: 0800-04

Title:	Comprehensive Proposition 218 Fees and Charges Compliance Assessment - Professional Services Agreement
Contact:	Rodney Funke 916-241-6545 rfunke@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 7.10.

RECOMMENDATION TO COUNCIL

Staff recommends that the City Council adopt a resolution to approve a professional services agreement with Raftelis Financial Consultants, Inc., and authorize the City Manager to execute it on behalf of the City of Roseville.

BACKGROUND

The City of Roseville Environmental Utilities Department (EU) is a group of rate-based utilities that provide water, wastewater, recycled water, and solid waste services for residential, commercial, and industrial customers. It is the City's duty to provide responsible stewardship of these resources, and as such perform an occasional study to examine its rates, charges, compliance, and cost recovery/reimbursements periodically and recommend adjustments as necessary. The last study was completed in 2003.

The proposed professional services agreement will recommend reimbursements due by the Environmental Utilities enterprise funds for the impact of utility operations on street maintenance in the General Fund. The consultant will conduct a comprehensive cost study and associated assessments to evaluate the City's current cost allocation and reimbursement methodologies, and develop a menu of options that may be used to ensure the City achieves full cost recovery to the General Fund from the EU enterprise funds while maintaining Proposition 218 compliance.

Proposition 218 is the "Right to Vote on Taxes Act". This constitutional amendment protects taxpayers by limiting the methods by which local governments can create or increase taxes, fees, and charges without taxpayer consent. Proposition 218 requires voter approval prior to imposition or increase of general taxes, assessments, and certain user fees.

The City-owned utility operations require access to and have impacts on City streets. Water distribution and sewer collection pipes are installed in trenches located underneath streets. Refuse collection requires the use of large, heavy trucks on City streets which impacts street maintenance costs.

The first step in conducting this study was to establish a scope of work and to issue a Request for Proposals (RFP) to firms that provide such services. The RFP was a coordinated effort between departments to establish the criteria required in the study including:

- A comprehensive look at the City's Proposition 218 compliance;
- A study of roadway impacts and costs from utility operations;
- A potential in-lieu of franchise fee charged to the utilities to account for the value of the occupation of public right-of-way in accordance with Article IX, Section 9.01 of the Roseville City Charter; and
- A review of possible new utility services and programs, i.e. neighborhood garbage pickup.

Based upon staff's review of the proposals, Raftelis received the highest overall ranking as the best option for the City. Therefore, staff is recommending that Raftelis be awarded a Professional Service Agreement to provide this Comprehensive 218 Cost of Services and charges compliance assessment study.

FISCAL IMPACT

Total compensation shall not exceed $101,930 for this Professional Services Agreement. The funding source is 50% GF Contingency and 50% Environmental Utilities funds. There are sufficient resources available in the approved FY2020-21 budgets to fund this Agreement.

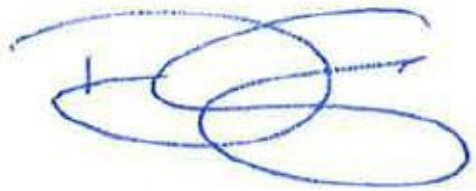
ENVIRONMENTAL REVIEW

The California Environmental Quality Act (CEQA) does not apply to activities that will not result in a direct or reasonable foreseeable indirect change in the environment, or is otherwise not considered a project as defined by CEQA Statute §21065 and CEQA State Guidelines § 15060(c) (3) and § 15378. Approval of this Professional Services Agreement meets the above criteria and is not subject to CEQA. No additional environmental review is required.

Respectfully Submitted,

Rodney Funke, Management Analyst

Jason Shykowski, Public Works Director



_____

Dominick Casey, City Manager

ATTACHMENTS:

Description

Resolution 21-030

PSA

RESOLUTION NO. 21-030

APPROVING A PROFESSIONAL SERVICES AGREEMENT, BY AND BETWEEN THE CITY OF ROSEVILLE AND RAFTELIS FINANCIAL CONSULTANTS, INC., AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE

WHEREAS, a professional services agreement for comprehensive Proposition 218 fees and charges compliance assessment and related cost of services study, between the City of Roseville and Raftelis Financial Consultants, Inc., has been reviewed by the City Council; and

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Roseville that said agreement is hereby approved and that the City Manager is authorized to execute it on behalf of the City of Roseville.

PASSED AND ADOPTED by the Council of the City of Roseville this____day of _____, 20_, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk

PROFESSIONAL SERVICES AGREEMENT

Comprehensive Proposition 218 Fees and Charges Compliance Assessment and Related Cost of Services Study

THIS AGREEMENT is made and entered into this ___ day of _____, 20__, by and between the City of Roseville, a municipal corporation ("CITY"), and Raftelis Financial Consultants, Inc., a North Carolina corporation ("CONSULTANT"); and

W I T N E S S E T H:

WHEREAS, CITY desires professional services consisting of a comprehensive Proposition 218 fees and charges compliance assessment and related cost of services studies; and

WHEREAS, CONSULTANT has prepared a proposal dated May 15, 2020, which describes the scope of work to be performed by CONSULTANT, the budget for the work, and the schedule for performance of the work; and

WHEREAS, CONSULTANT is qualified and experienced to provide such professional services related to Proposition 218 compliance, utility operation and fees, road impacts, and franchise fees.

NOW, THEREFORE, the parties agree as follows:

1. Services. CONSULTANT shall perform, at the direction of CITY, the scope of services as described in EXHIBIT "A," attached hereto and incorporated herein by this reference.

2. Compensation. For its services provided hereunder, CONSULTANT shall be compensated on a time and expense basis in accordance with the budget estimate as described in EXHIBIT "A". Total compensation shall not exceed one hundred and one thousand, nine hundred thirty dollars ($101,930).

CONSULTANT shall submit one monthly invoice for its services. Such invoices shall be delineated by task, the person performing the services, and the hourly rate, which shall be stated in time increments of not greater than one tenth (1/10) hours. CITY shall pay invoices within thirty (30) days after receipt, if the services specified in the invoice have been satisfactorily completed.

3. Indemnification. To the fullest extent allowed by law, CONSULTANT shall defend, indemnify, and save and hold harmless CITY, its officers, agents, employees and volunteers from any claims, suits or actions of every name, kind and description brought forth, or on account of, injuries to or death of any person (including but not limited to workers and the public), or damage to property, resulting from or arising out of CONSULTANT's willful misconduct or negligent act or omission while engaged in the performance of obligations or exercise of rights created by this Agreement, except those matters arising from CITY's sole negligence or willful misconduct. The parties intend that this provision shall be broadly construed.

CONSULTANT's responsibility for such defense and indemnity obligations shall survive the termination or completion of this Agreement for the full period of time allowed by law. The defense and indemnity obligations of this Agreement are undertaken in addition to, and shall not in any way be limited by, the insurance obligations contained in this Agreement.

4. Insurance. CONSULTANT agrees to continuously maintain, in full force and effect, the following minimum policies of insurance during the term of this Agreement.

COVERAGE	LIMITS OF LIABILITY
Workers' Compensation	Statutory
Commercial General Liability	$1,000,000 each occurrence $2,000,000 aggregate Personal Injury: $1,000,000 each occurrence $2,000,000 aggregate
Automobile Liability	$1,000,000 combined single limit
Professional Liability (errors and omissions)	$1,000,000 per claim $2,000,000 aggregate

a. Form. CONSULTANT shall submit a certificate evidencing such coverage for the period covered by this Agreement in a form satisfactory to Risk Management and the City Attorney, prior to undertaking any work hereunder. Any insurance written on a claims made basis is subject to the approval of Risk Management and the City Attorney.

b. Additional Insureds. CONSULTANT shall also provide a separate endorsement form or section of the policy showing CITY, its officers, agents, employees and volunteers as additional insureds for each type of coverage, except for Workers' Compensation and Professional Liability. Such insurance shall specifically cover the contractual liability of CONSULTANT. The additional insured coverage under the CONSULTANT's policy shall be primary and noncontributory, as evidenced by a separate endorsement or section of the policy, and shall not seek contribution from CITY's insurance or self-insurance. In addition, the additional insured coverage shall be at least as broad as the Insurance Services Office ("ISO") CG 20 01 Endorsement. Any available insurance proceeds in excess of the specified minimum

insurance coverage requirements and limits shall be available to the additional insureds. Furthermore, the requirements for coverage and limits shall be: (1) the minimum coverage and limits specified in this Agreement; or (2) the full coverage and maximum limits of any insurance proceeds available to the named insureds, whichever is greater.

c. Cancellation/Modification. CONSULTANT shall provide ten (10) days written notice to CITY prior to cancellation or modification of any insurance required by this Agreement.

d. Umbrella/Excess Insurance. The limits of insurance required in this Agreement may be satisfied by a combination of primary and excess insurance. Any excess insurance shall contain or be endorsed to contain a provision that such coverage shall also apply on a primary and noncontributory basis for the benefit of CITY (if agreed to in a written contract) before CITY's own insurance shall be called upon to protect it as a named insured.

e. Subcontractors. CONSULTANT agrees to include in its contracts with all subcontractors the same requirements and provisions of this Agreement, including the indemnity and insurance requirements, to the extent they apply to the scope of the subcontractor's work. Furthermore, CONSULTANT shall require its subcontractors to agree to be bound to CONSULTANT and CITY in the same manner and to the same extent as CONSULTANT is bound to CITY under this Agreement. Additionally, CONSULTANT shall obligate its subcontractors to comply with these same provisions with respect to any tertiary subcontractor, regardless of tier. A copy of CITY's indemnity and insurance provisions will be furnished to the subcontractor or tertiary subcontractor upon request.

f. Self-Insured Retentions. All self-insured retentions ("SIR") must be disclosed to Risk Management for approval and shall not reduce the limits of liability.

Policies containing any SIR provision shall provide or be endorsed to provide that the SIR may be satisfied by either the named insured or CITY. CITY reserves the right to obtain a full certified copy of any insurance policy and endorsements. The failure to exercise this right shall not constitute a waiver of such right.

g. Waiver of Subrogation. CONSULTANT hereby agrees to waive subrogation which any insurer of CONSULTANT may acquire from CONSULTANT by virtue of the payment of any loss under a Workers Compensation, Commercial General Liability or Automobile Liability policy. All Workers Compensation, Commercial General Liability and Automobile Liability policies shall be endorsed with a waiver of subrogation in favor of CITY, its officers, agents, employees and volunteers for all worked performed by CONSULTANT, its employees, agents and subcontractors.

h. Liability/Remedies. Insurance coverage in the minimum amounts set forth herein shall not be construed to relieve CONSULTANT of liability in excess of such coverage, nor shall it preclude CITY from taking such other actions as are available to it under any other provisions of this Agreement or law.

5. Records. CONSULTANT and its subcontractors shall maintain all files and records relating to the services performed hereunder during the term of this Agreement and for a period of not less than one (1) year after the date of termination or expiration. Provided, however, that in the event of litigation or settlement of claims arising from the performance of this Agreement, CONSULTANT and its subcontractors shall maintain all files and records until such litigation, appeals or claims are resolved. Duly authorized representatives of CITY shall have right of access during normal business hours and after reasonable notice to CONSULTANT's and subcontractors' files and records relating to the services performed

hereunder, and may review and copy the files and records at appropriate stages during performance of the services and during the one (1) year period following termination or expiration of this Agreement. CONSULTANT shall include this provisions in its contracts with all subcontractors.

6. Time is of the Essence. Time is of the essence of this Agreement.

7. Compliance with Laws. CONSULTANT shall comply with all federal, state and local laws, ordinances and policies as may be applicable to the performance of services under this Agreement.

8. Ability to Perform. CONSULTANT agrees and represents that it has the time, ability and professional expertise to perform the services required under this Agreement.

9. Governing Agreement. In the event of any conflict between this Agreement and its EXHIBITS, the provisions of this Agreement shall govern. In the event of any conflict between any of the EXHIBITS, the provisions of the first in order of attachment shall govern.

10. Assignment. CONSULTANT is employed to perform unique personal services. CONSULTANT shall not assign this Agreement without the prior written consent of CITY. CONSULTANT shall not employ or otherwise incur any obligation to pay other specialists or experts for services in connection with this Agreement, without prior written consent of CITY.

11. Independent Contractor. CONSULTANT shall act as an independent contractor, and covenants and agrees that it will conduct itself consistent with such status, that it will neither hold itself out as, nor claim to be, an officer or employee of CITY by reason of this Agreement.

12. Representations and Warranties. CONSULTANT warrants that it has not employed or retained any company or person, other than a bona fide employee working for CONSULTANT, to solicit or secure this Agreement, and that it has not paid or agreed to pay any

company or person, other than a bona fide employee, any fee, commission, percentage, brokerage fee, gift or any other consideration, contingent upon or resulting from the award or making of this Agreement. For breach or violation of this warranty, CITY shall have the right to terminate as void this Agreement, without liability, or, in its discretion, to deduct from the Agreement price or consideration, or otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gift or contingent fee.

13. Successors in Interest. This Agreement shall be binding upon the heirs, successors, executors, administrators and assigns of the respective parties hereto.

14. Copyright, Ownership and Use of Materials. All tangible material ("Material") created or delivered pursuant to this Agreement shall be the property of the CITY. To the extent such Material does not qualify as a work made for hire, CONSULTANT hereby assigns to CITY all right, title, and interest, in all Material created by CONSULTANT in its performance under this Agreement. Material constitutes the scope of work outlined in Exhibit A and attached hereto, and all written and other tangible expressions, including but not limited to, drawings (including computer aided drawings), papers, documents, reports, surveys, renderings, exhibits, sketches, maps, models, prints, paintings or photographs, in any and all media or formats in which such materials have been created or are maintained. All Material furnished by CONSULTANT is, and shall remain, the property of CITY.

CONSULTANT shall execute any documents necessary to effectuate such assignment. In the event that CONSULTANT uses, employs, designates, or retains any person or entity who is not an employee of CONSULTANT, to perform any work required of it pursuant to this

Agreement, CONSULTANT shall require said person or entity to execute an agreement containing the preceding paragraph.

15. Termination of Agreement. The City may terminate this Agreement without cause by giving CONSULTANT ten (10) days advance written notice from the City Manager. CONSULTANT may terminate this Agreement without cause by giving CITY thirty (30) days advance written notice. In the event of termination through no fault of CONSULTANT, CITY shall compensate CONSULTANT for services performed as of the date of termination, upon the release to CITY of all Material hereunder, in any and all media or formats in which such materials have been created or are maintained. CITY retains the right to receive and use any Material, notwithstanding any termination or any dispute regarding the amount to be paid.

16. Attorney's Fees; Venue; Governing Law. If either party commences any legal action against the other party arising out of this Agreement or the performance hereof, the prevailing party in such action shall be entitled to recover its reasonable litigation expenses, including but not limited to, court costs, expert witness fees, discovery expenses, and attorney's fees. Any action arising out of this Agreement shall be brought in Placer County, California, regardless of where else venue may lie. This Agreement shall be governed by and construed in accordance with the laws of the State of California.

17. Modification. This Agreement and each provision contained herein may be waived, amended, supplemented or eliminated only by mutual written agreement of the parties.

18. Severability. If any of the provisions contained in this Agreement are for any reason held invalid or unenforceable, such holding shall not affect the remaining provisions or the validity and enforceability of the Agreement as a whole.

19. Notices. Any notices to parties required by this Agreement shall be delivered personally or mailed, U.S. first class postage prepaid, addressed as follows:

CITY OF ROSEVILLE	CONSULTANT
Dominick Casey City Manager 311 Vernon Street Roseville, CA 95678	Raftelis Financial Consultants, Inc. Attn: John Wright, Project Manager 24640 Jefferson Avenue, Suite 207 Murrieta, CA 92562

Either party may amend its address for notice by giving notice to the other party in writing.

20. Integrated Agreement. This is an integrated agreement and contains all of the terms, considerations, understanding and promises of the parties. It shall be read as a whole.

IN WITNESS WHEREOF, the City of Roseville, a municipal corporation, has authorized the execution of this Agreement in duplicate by its City Manager and attested to by its City Clerk under the authority of Resolution No. _____, adopted by the Council of the City of Roseville on the ___ day of _____, 20__, and CONSULTANT has caused this Agreement to be executed.

CITY OF ROSEVILLE, a municipal corporation

BY:_____
DOMINICK CASEY
City Manager

RAFTELIS FINANCIAL CONSULTANTS INC., a North Carolina corporation

BY: Elaine Combs
its: Executive Vice President

and

[SIGNATURES CONTINUED ON NEXT PAGE]

ATTEST:

BY: _____
its: President/CEO

BY: _____
SONIA OROZCO
City Clerk

APPROVED AS TO FORM:

BY: _____
ROBERT R. SCHMITT
City Attorney

APPROVED AS TO SUBSTANCE:

BY: Jason Shykowski Digitally signed by Jason Shykowski Date: 2021.01.14 13:27:38 -08'00'
JASON SHYKOWSKI
Public Works Director

EXHIBIT "A"

Project Plan

Raftelis has carefully reviewed the required scope of services described in the City's RFP and the objectives the City seeks to achieve. This portion of our proposal describes our generalized project approach, which has been perfected through our extensive experience providing Proposition 218-related services to clients throughout California.

Task 1: Kick-off Meeting and Project Management

Task 1.1: Kick-off Meeting

The kick-off meeting serves as a forum for the City to provide input on the project's work plan, scheduling, and priorities. It allows for mutual agreement regarding project goals and expectations. Our primary objective at the kick-off meeting will be to gain a thorough understanding of the relationship between the City's General Fund and the EU's water, wastewater, recycled water, and solid waste funds. Prior to the meeting, Raftelis will develop a kick-off meeting package that contains a meeting agenda and presentation materials to guide the discussion.

Task 1.2: Data Request and Document Review

Approximately two weeks prior to the kick-off meeting, Raftelis will provide the City with an initial comprehensive data request. We will immediately review this material and seek clarification from the City as required. The material referenced in our initial data request will include:

- Detailed FY 2020 and FY 2021 budgets for each EU enterprise fund with an identification of the amount of transfers paid to other City funds
- Calculation of the cost basis for payments made by each EU enterprise fund to other City funds (i.e., how were the required payment amounts determined?)
- Identification of City services provided to the EU's enterprise funds that are not reimbursed
- Solid waste road impact study
- Street excavation study
- Business cases for new EU utility services prepared by the City or its consultants

Task 1.3: Ongoing Project Management

Our proposed project approach entails several different, yet interrelated, work efforts that will require effective coordination between Raftelis and City staff. Raftelis believes in a "no surprises" approach to project management that focuses on continuous communication with our clients. For this project, Raftelis proposes a weekly conference call or web conference throughout the duration of the project.

Raftelis Work Product	Raftelis Differentiator
• Kick-off meeting agenda and presentation • Mutual agreement on project goals and expectations • Kick-off meeting minutes • Document review and potential clarifying questions	• Raftelis has successfully conducted hundreds of initial project meetings with some of the most complex utilities in California, the United States, and Canada.

Task 2: Assessment of Proposition 218 Compliance

Task 2.1: Identification of the Services Provided to the EU's Enterprise Funds

With the assistance of City staff, Raftelis will identify and itemize the specific services provided to the EU's enterprise funds by the City's General Fund (and other City funds). This itemization will include those services that the EU's enterprise funds currently provide reimbursement for and those services that the EU's enterprise funds do not reimburse.

Task 2.2: Review of the Cost Basis and Reimbursement Levels for Services Provided to the EU's Enterprise Funds

Raftelis will conduct a comprehensive review of the City's documentation showing the estimated cost basis for both direct and indirect costs for services provided to the EU's enterprise funds (whether reimbursed or not). In the City's responses to questions regarding the RFP, it was indicated that you are not seeking your selected consultant to develop a formal cost allocation plan. For this reason, Raftelis considers our work in Task 2.2 to consist of a review of the estimated cost basis for both direct and indirect costs for services provided to the EU's enterprise funds rather than a detailed analysis of each underlying cost component. As a final outcome of Task 2.2, Raftelis will prepare a comparison of the cost basis and reimbursement levels for each service provided to the EU's enterprise funds.

Task 2.3: Peer Review of Other California Municipalities

Raftelis will conduct a survey of up to five peer municipalities, as selected by the City in consultation with Raftelis. The survey will focus on identifying the following:

- Services provided by City agencies to municipal utility enterprise funds
- Methodologies used to determine the cost basis of such services
- Indirect cost and direct cost recovery methods
- Reimbursement levels paid by the municipal utilities
- Differences in approaches between Roseville and the peer municipalities surveyed

Task 2.4: Assessment of City of Roseville Compliance with Proposition 218

Based on the work performed in Tasks 2.1 through 2.3, Raftelis will make a preliminary assessment regarding whether the indirect and direct costs of City services provided to the EU's enterprise funds (whether currently reimbursed or not) are recoverable from water, wastewater, recycled water, and solid waste customers via the rates and charges they pay for utility services. With this overarching context, Raftelis will make recommendations regarding whether specific City services provided to the EU's enterprise funds are appropriate for recovery from customers. Similarly, Raftelis will make recommendations regarding services provided by the City that are inadequately reimbursed by the EU's enterprise funds.

Key Proposition 218 guidance on this question includes:

- An agency cannot collect revenue beyond what is necessary to provide service.
- Revenues derived by the charge shall not be used for any other purpose other than that for which the charge was imposed.
- The amount of the fee may not exceed the proportional cost of service for the parcel.
- No charge may be imposed for a service unless that service is actually used or immediately available to the owner of the property.

Task 2.5: Development of Potential Alternative Cost Recovery Methods

Based upon our review of the cost recovery methods of other California peer municipalities and our assessment of the City's current compliance with Proposition 218, Raftelis will develop a list of potential alternative cost recovery methods that can be utilized to ensure full cost recovery to the City's General Fund from the EU's enterprise funds while remaining in compliance with Proposition 218 and in line with generally accepted cost-of-service industry standards.

Raftelis Work Product	Raftelis Differentiator
• Comparison of the cost of services provided to the EU's enterprise funds versus the level of reimbursement • Comparisons to peer municipalities • Development of potential alternative cost recovery methods • Assessment of Proposition 218 compliance	• Raftelis has successfully completed numerous rate studies for California utilities, a critical component of which was their compliance with Proposition 218. • Our Project Manager, Sanjay Gaur, is a nationally recognized expert on Proposition 218 compliance issues. • Raftelis has represented California utilities as an expert witness in litigation related to Proposition 218 compliance.

Task 3: Adequacy of Transfers to the Utility Impact Reimbursement Fund

Task 3.1: Understanding of the Current Basis for EU Enterprise Fund Transfers to the Utility Impact Reimbursement Fund

As an initial step in the completion of Task 3, Raftelis will review all City-provided documentation (reports, analyses, assumptions, and calculations) that describe the determination of the cost basis, fees, and associated reimbursement transfers made by the EU's enterprise funds to the City's Utility Impact Reimbursement Fund. Our current assumption is that the EU's enterprise funds are reimbursing the City for: 1) street maintenance expenditures caused by solid waste collection vehicles; and, 2) street maintenance expenditures caused by trench cuts and excavations made by the water and wastewater utilities. The following tasks are based on these overarching assumptions.

Task 3.2: Transfers Made to Utility Impact Reimbursement Fund for Street Maintenance Expenditures Related to Solid Waste Collection Vehicles

Raftelis assumes that the transfer of approximately $294K made by the EU's Solid Waste Enterprise Fund to the Utility Impact Reimbursement Fund is based on an industry standard cost nexus study for determining the required annual expenditure for street maintenance for usage by solid waste collection vehicles. Our approach to Task 3.2 is to conduct an updated cost nexus study using this industry standard approach, which will include the following key steps (for each step, our assumption is that the City's Public Works Department can provide the required underlying data):

- Determine the City's average projected annual street maintenance expenditures to achieve its desired target street Pavement Quality Index (PQI).
- Determine the pavement design standards for the City's residential and collector streets based on the average number of vehicle trips by each vehicle type (automobiles, trucks, buses, solid waste vehicles, etc.).
- Estimate the traffic loadings on the City's residential and collector streets made by different types of vehicles travelling on the City's streets based on their weight (i.e., their Equivalent Single Axle Loads or ESALs) and average daily vehicle trips. In the case of solid waste collection vehicles, the estimate of traffic loadings will be based on factors such the average payloads of the different types of vehicles (residential, commercial, solid waste, recycling, and yard waste) and the frequency of collection passes per week.
- Allocate percentage of average annual street maintenance expenditures that must be recovered from each vehicle type.

The analysis conducted in Task 3.2 will allow Raftelis to assess the adequacy of the current and projected future transfers to the Utility Impact Reimbursement Fund and compliance with Proposition 218.

Task 3.3: Transfers Made to Utility Impact Reimbursement Fund for Street Maintenance Expenditures Caused by Water and Wastewater Utility Trench Cuts and Excavations

The EU's Water and Wastewater Enterprise Funds transfer approximately $736K and $660K, respectively, to the Utility Impact Reimbursement Fund. Raftelis currently assumes these transfers are based on the actual, per linear foot, cost of trench cuts at specific PQI levels and the linear feet and location of trench cuts specified in the water and wastewater annual capital improvement plans.

There are other methods for allocating the annual cost of street maintenance to underground utilities that are not directly reflective of the discrete costs of trench cuts and excavations. For example, the allocation can be based on factors such as: 1) the number of miles of streets containing water or sewer mains; 2) the miles of water and sewer pipelines that are replaced annually based on their estimated useful lives; 3) the average width of City residential and collector streets; and, 4) the average width of water and sewer pipeline easements.

Raftelis will confer with City staff to determine a mutually agreeable approach for a Task 3.3 cost nexus study that will allow Raftelis to assess the adequacy of the current and projected future transfers to the Utility Impact Reimbursement Fund and compliance with Proposition 218.

Task 3.4: Peer Review of Other California Municipalities

Raftelis will conduct a survey of up to five peer municipalities, as selected by the City in consultation with Raftelis. The survey will focus on the approach used in each municipality to determine the proportional contribution to annual street maintenance expenses by utilities. Raftelis will summarize the differences in approaches between Roseville and the peer municipalities surveyed.

Raftelis Work Product	Raftelis Differentiator
• Cost nexus studies that assess the adequacy of current and projected future transfers to the Utility Impact Reimbursement Fund • Comparisons to peer municipalities • Assessment of compliance with Proposition 218	• Raftelis has extensive experience successfully conducting complex analytical studies for clients throughout the California, the United States, and Canada. • Our proposed project team includes Thierry Boveri, an expert on solid waste utility financial issues, and Sudhir Pardiwala, who has over 40 years of financial and engineering experience serving California utility and general government clients.

Task 4: Potential Franchise Fee Based on the Value of Public Rights-of-way

In its RFP, the City requests that its selected consultant assess the potential for the City to implement a potential franchise fee charged to the utilities to account for the value of the occupation of public rights-of-way in accordance with Article IX, Section 9.01 of the Roseville City Charter.

Section 9.01 of the Roseville City Charter includes provisions that detail the City's requirements for utilities to operate within Roseville. These requirements include the payment of a municipal franchise fee that is a "rent" that a utility company or video service provider pays to the City's General Fund for the use of the public rights-of-way (streets) for its lines, pipe, and poles. The City currently collects franchise fees from the following investor-owned utilities and cable television providers: Pacific Gas & Electric, Kinder Morgan, Consolidated Communications, AT&T, and Comcast. The City also collects a 4% in-lieu franchise fee from the Roseville Electric Department as allowed in Charter Section 9.01.

From our perspective, the question of whether the City can assess a franchise fee to its water, wastewater, or solid waste enterprise funds, ***while maintaining compliance with Proposition 218***, is primarily legal in nature. Specifically, is the cost/value of occupying public rights-of-way part of the proportional cost of providing services for the property parcel?

Raftelis is not a law firm, and we will offer no legal opinion regarding this subject. However, we can research California case law, underlying economic theory, and general industry cost-of-service and ratemaking standards that may shed light on the subject. Raftelis will summarize our findings on these questions for consideration by the City and its legal counsel.

Raftelis Work Product	Raftelis Differentiator
• Summary of research findings	• Raftelis has successfully completed numerous rate studies for California utilities, a critical component of which was their compliance with Proposition 218. • Our Project Director, Sanjay Gaur, is a nationally recognized expert on Proposition 218 compliance issues. • Raftelis has represented California utilities as an expert witness in litigation related to Proposition 218 compliance.

Task 5: Consideration of New Utility Services

Raftelis will perform a comprehensive review of the feasibility of implementing new utility services such as a residential bulky item collection program or water backflow testing. This review will include a description of potential services to be offered by the City and the functions they would provide to the City's residents. Raftelis will work closely with City staff and legal counsel to assess how any proposed services would follow the requirements of Proposition 218 compliance. If needed, Raftelis has relationships with attorneys who specialize in Proposition 218, and we can utilize their expertise at the request of the City.

Appendix A to this proposal provides an excerpt from a Raftelis feasibility study for a water backflow testing program.

Raftelis Work Product	Raftelis Differentiator
• Feasibility studies for new utility services	• The Raftelis staff includes cross functional expertise in utility finance, operations, and engineering to effectively develop new service feasibility assessments.

Task 6: Consideration of Utility Enterprise Fund Revenue Requirement Impacts

Raftelis will summarize the additional (or reduced) costs to the EU's enterprise funds as a result of our work in Tasks 2 through 5. We will then estimate what changes would occur to the annual revenue requirement from rates in FY 2021 based on the results of our work.

Raftelis Work Product	Raftelis Differentiator
• Estimate of revenue requirement changes based on the Proposition 218 compliance assessment	• Raftelis completed water and wastewater cost-of-service studies for the City in 2018. Thierry Boveri, our Solid Waste Subject Matter Expert has developed financial plans, revenue requirement projections, and cost-of-service studies for dozens of solid waste utilities.

Task 7: Draft and Final Reports

Raftelis will prepare a comprehensive draft and final written report detailing our findings in Tasks 2 through 6. The preliminary draft report will include an executive summary that highlights the major issues and findings of the study. The main body of the report will include an informed take on the legal strengths and risks associated with the City's current cost allocations and cost recovery methods along with Raftelis' proposed alternative cost recovery methods. Raftelis will submit this draft report to City staff for review and comment. Raftelis will then incorporate City staff's revisions into a final report that will be submitted to City staff. Note that any verbal or written assessment of the City's compliance with Proposition 218 will not constitute a legal opinion on the part of Raftelis.

Raftelis Work Product	Raftelis Differentiator
• Draft and final written reports	• Raftelis is highly aware of, and extremely experienced at, producing written reports that create an administrative record necessary for Proposition 218.

Cost Proposal

The following table provides a breakdown of our proposed fee for this project. This table includes the estimated level of effort required for completing each task and the hourly billing rates for our project team members. Expenses include costs associated with travel and a $10 per hour technology charge covering computers, networks, telephones, postage, etc.

Tasks	Web Meetings	Number of Meetings	Hours SG	JW	SP	TB	SC	Admin	Total	Total Fees & Expenses
Task 1: Kick-off Meeting and Project Management (See Note 1)		1	4	12	4	4	8	1	33	**$9,655**
Task 2: Assessment of Proposition 218 Compliance	2		8	26	2	2	48		86	**$20,600**
Task 3: Adequacy of Transfers to the Utility Impact Reimbursement Fund	2		2	30	6	12	36		86	**$21,730**
Task 4: Potential Franchise Fee Based on the Value of Public Rights-of-Way	2		4	20	1	1	8		34	**$9,175**
Task 5: Consideration of New Utility Services (See Note 2)	2			24	4	4	24		56	**$14,060**
Task 6: Consideration of Utility Enterprise Fund Revenue Requirement Impacts	2			12			30		42	**$9,270**
Task 7: Draft and Final Reports	2		6	22	2	2	40	2	74	**$17,440**
Total Estimated Meetings / Hours	**12**	**1**	**24**	**146**	**19**	**25**	**194**	**3**	**411**	
Hourly Billing Rate			**$310**	**$275**	**$340**	**$275**	**$185**	**$80**		
Total Professional Fees			**$7,440**	**$40,150**	**$6,460**	**$6,875**	**$35,890**	**$240**	**$97,055**	

SG - Sanjay Gaur
JW - John Wright
SP - Sudhir Pardiwala
TB - Thierry Boveri
SC - Staff Consultants
Admin - Administrative Staff

Note 1: Raftelis Project Manager, John Wright, will attend the project kick-off meeeting in-person. Other members of the Raftelis project team will attend via webconference.

Note 2: Pricing for Task 5 assumes two additional utility services. The charge for each additional utility service analyzed is estimated to be approximately $7,000. Raftelis will develop a specific estimate of the cost for each additional utility service the City requests to be analyzed.

Total Professional Fees	**$97,055**
Technology and Communications Charge ($10 per Consulting Hour)	**$4,110**
Travel for One On-Site Meeting by Project Manager	**$765**
Total Fees & Expenses	**$101,930**

COUNCIL COMMUNICATION

CC #: 1261
File #: 0704

Title:	Parks Construction Inspection Services – On-Call Professional Services Agreement Amendment
Contact:	Tara Gee 916-774-5253 tgee@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 7.11.

RECOMMENDATION TO COUNCIL

Recommend Council adopt a resolution to approve the First Amendment to On-Call Professional Services Agreement to increase on-call inspection services to 4Leaf, Inc. from $300,000 for FY2020-21 to $387,500 and $475,000 in subsequent contract extensions, and authorize the City Manager to execute them on behalf of the City.

BACKGROUND

In March 2020, a Request for Qualifications/Proposals was issued seeking experienced inspection firms to submit to the Parks, Recreation & Libraries Department for on-call inspection services. In anticipation of the current construction season, the intent of this professional services agreement is to utilize these services when demand exceeds in-house capacity. This will allow for more responsiveness to contractor and developer needs along with greater quality control during this time.

Several firms expressed interest and one firm, 4Leaf, Inc. submitted. The previous agreement with 4Leaf, Inc. was scheduled to expire as of June 2020. Based on the firm's experience, familiarity with the City standards and development processes and technical expertise provided to the City, 4Leaf, Inc. was approved for award in May 2020. The approval also authorized the City Manager to approve extensions based on available budget.

Over the past several months, Verizon Wireless has begun upgrading their fiber optics to accommodate new 5G technology. The fiber optics are typically installed along our street right-of-ways and with our streetscapes. The workload impacts are approximately 131 USA tracings, an equal amount of pre-construction meetings and on-going inspections for repair work to both the irrigation, drainage and landscaping. The USA tracings are averaging approximately 29 requests per month as compared to the typical average of 4-6 a month. Verizon expects to be adding these 5G improvements through the City over the next three years. Adding this project to the 4Leaf contract will provide focused resources to follow the improvements and the needed repair work as it winds through the City.

The on-call services do not guarantee an annual amount of work and is in place on an “as-needed” basis.

FISCAL IMPACT

The estimated cost of the base year (July 1, 2020 through June 30, 2021) was originally estimated not-to-exceed $300,000. The total base year amount through June 30, 2021 is now estimated to increase to $387,500, which accounts for increased workload between January 2021 and June 30, 2021. The agreement is a multi-year contract that is valid through June 30, 2024. Future full year extensions will include an authorization amount up to $475,000 per year.

Work performed under this professional services agreement will be paid using developer fees and/or capital improvement projects. Work related to the Verizon project will be billed directly to Verizon for reimbursement. There will be no General Fund impact.

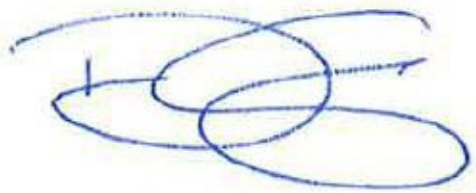
ENVIRONMENTAL REVIEW

The California Environmental Quality Act (CEQA) only applies to projects which have the potential to cause a significant effect on the environment. Where it can be seen with certainty that there is no possibility that the activity in question may have a significant effect on the environment, the activity is not subject to CEQA. (CEQA Guidelines §15061(b)(3)).

Respectfully Submitted,

Tara Gee, Park Planning & Development Superintendent

Jill Geller, Parks, Recreation & Libraries Director



_____

Dominick Casey, City Manager

ATTACHMENTS:

Description

Resolution 21-044

OnCall Inspection Contract Amendment 4Leaf

RESOLUTION NO. 21-044

APPROVING A FIRST AMENDMENT TO ON-CALL PROFESSIONAL SERVICES AGREEMENT, BY AND BETWEEN THE CITY OF ROSEVILLE AND 4LEAF, INC., AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE

WHEREAS, a first amendment to on-call professional services agreement regarding parks construction inspection services, by and between the City of Roseville and 4LEAF, Inc., has been reviewed by the City Council; and

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Roseville that said first amendment is hereby approved and that the City Manager is authorized to execute it on behalf of the City of Roseville.

PASSED AND ADOPTED by the Council of the City of Roseville this____day of _____, 20___, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk

FIRST AMENDMENT TO

ON-CALL PROFESSIONAL SERVICES AGREEMENT

Parks Construction Inspection Services

THIS FIRST AMENDMENT TO AGREEMENT is made and entered into this ___ day of _____, 20__, by and between the City of Roseville, a municipal corporation ("CITY"), and 4LEAF, Inc., a California corporation ("CONSULTANT"); and

W I T N E S S E T H:

WHEREAS, CITY and CONSULTANT previously entered into an On-Call Professional Services Agreement dated June 3, 2020 ("Agreement") regarding parks construction inspection services ("Project"); and

WHEREAS, CITY desires to amend the Agreement to include additional services; and

WHEREAS, CONSULTANT is willing and able to provide such additional services.

NOW, THEREFORE, the parties agree as follows:

1. Section 3 of the Agreement is amended by adding an additional paragraph to read as follows:

"CITY shall pay eighty-seven thousand, five hundred dollars ($87,500) in consideration of the additional services to the First Amendment to Agreement. Total compensation for this First Amendment to Agreement shall not exceed three hundred eighty-seven thousand, five hundred dollars ($387,500) through June 30, 2021. Total

compensation for optional renewal years of the Agreement shall not exceed four hundred seventy-five thousand dollars per year ($475,000). Adjustment to the total compensation per year shall require a written amendment to this Agreement, subject to approval by the City Council."

2. All other provisions of the Agreement shall remain unchanged and in full force and effect.

IN WITNESS WHEREOF, the City of Roseville, a municipal corporation, has authorized the execution of this First Amendment to Agreement in duplicate by its City Manager and attested to by its City Clerk under the authority of Resolution No. _____, adopted by the Council of the City of Roseville on the ___ day of _____, 20__, and CONSULTANT has caused this First Amendment to Agreement to be executed.

CITY OF ROSEVILLE, a
municipal corporation

BY: _____
DOMINICK CASEY
City Manager

ATTEST:

BY: _____
SONIA OROZCO
City Clerk

4LEAF, INC., a
California corporation

BY: _____
Gene Barry
its: Vice President

and

BY: _____
Kevin Duggan
its: Secretary

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

APPROVED AS TO FORM:

BY: _____
ROBERT R. SCHMITT
City Attorney

APPROVED AS TO SUBSTANCE:

BY: _____
JILL GELLER
Parks, Recreation & Libraries Director

COUNCIL COMMUNICATION

CC #: 1262
File #: 0704-01 & 0214

Title:	Statewide Park Development and Community Revitalization (Prop 68) Grant - Approval to Submit Application for Johnson Pool
Contact:	Tara Gee 916-774-5253 tgee@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 7.12.

RECOMMENDATION TO COUNCIL

Approve a resolution to submit an application under the Statewide Park Development and Community Revitalization (Prop 68) grant program for Johnson Pool.

BACKGROUND

The State Department of Parks and Recreation has been delegated the responsibility by the Legislature of the State of California for the administration of the Statewide Park Development and Community Revitalization (Prop 68) Grant Program, setting up necessary procedures governing application(s). These procedures, established by the State Department of Parks and Recreation, require the grantee's Governing Body to certify by resolution the approval of project application(s) before submission of said applications to the State. The grantee will enter into a contract(s) with the State of California to complete submitted and approved project(s). The Statewide Park Development and Community Revitalization (Prop 68) Grant Program targets building successful parks & recreation facilities in underserved areas. Underserved areas are defined as under-parked (insufficient parkland/1,000 population and based on the General Plan standard or income level). Once the resolution has been approved and submitted to the State Department of Parks & Recreation, staff will work with the State Project Officer to submit an application for projects to upgrade Johnson Pool. There have been three previous rounds of grant awards statewide. This is the fourth and last round of grants equaling $395 million across the state. Projects under this grant must be completed by December 2024.

FISCAL IMPACT

The amount of the grant could be as much as $8 million, however, in the last round of grant awards, the average amount of an award was $4 million. If awarded, no local match is required. Upgrades to any portion of Johnson Pool will require no new General Fund allocations.

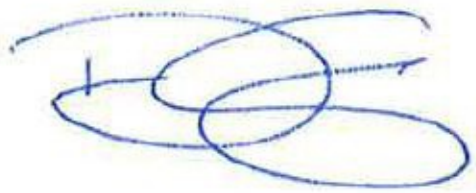
ENVIRONMENTAL REVIEW

The California Environmental Quality Act (CEQA) does not apply to activities that will not result in a direct or reasonably foreseeable indirect physical change in the environment, or is otherwise not considered a project as defined by CEQA Statute §21065 and CEQA State Guidelines §15060(c)(3) and §15378. Approving an application for statewide park development and community revitalization program grant funds for Johnson Pool meets the above criteria and is not subject to CEQA. No additional environmental review is required.

Respectfully Submitted,

Tara Gee, Park Planning & Development Superintendent

Jill Geller, Parks, Recreation & Libraries Director



_____

Dominick Casey, City Manager

ATTACHMENTS:

Description

Resolution 21-045

RESOLUTION NO. 21-045

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF ROSEVILLE APPROVING THE APPLICATION FOR STATEWIDE PARK DEVELOPMENT AND COMMUNITY REVITALIZATION PROGRAM GRANT FUNDS TO UPDATE JOHNSON POOL

WHEREAS, the State Department of Parks and Recreation has been delegated the responsibility by the Legislature of the State of California for the administration of the Statewide Park Development and Community Revitalization Grant Program, setting up necessary procedures governing the application; and

WHEREAS, said procedures established by the State Department of Parks and Recreation require the Applicant to certify by resolution the approval of the application before submission of said application to the State; and

WHEREAS, successful Applicants will enter into a contract with the State of California to complete the Grant Scope project;

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Roseville hereby:

APPROVES THE FILING OF AN APPLICATION FOR THE UPDATE OF JOHNSON POOL ("PROJECT"); and

1. Certifies that said Applicant has or will have available, prior to commencement of any work on the project included in this application, the sufficient funds to complete the project; and

2. Certifies that if the project is awarded, the Applicant has or will have sufficient funds to operate and maintain the project; and

3. Certifies that the Applicant has reviewed, understands, and agrees to the General Provisions contained in the contract shown in the Grant Administration Guide; and

4. Delegates the authority to the City Manager or designee to conduct all negotiations, sign and submit all documents, including, but not limited to applications, agreements, amendments, and payment requests, which may be necessary for the completion of the Grant Scope; and

5. Agrees to comply with all applicable federal, state and local laws, ordinances, rules, regulations and guidelines.

6. Will consider promoting inclusion per Public Resources Code §80001(b)(8 A-G).

PASSED AND ADOPTED by the Council of the City of Roseville this____day of _____, 20_, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk

COUNCIL COMMUNICATION

CC #: 1241
File #: 0800-03

Title:	International Swaps and Derivatives Association - Master Agreement Amendment
Contact:	Petra Wallace 916-774-5510 pwallace@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 7.13.

RECOMMENDATION TO COUNCIL

Staff recommends that the City Council adopt a Resolution authorizing the City Manager to execute the First Amendment to the International Swaps and Derivatives Association ("ISDA") Master Agreement with Citigroup Energy Inc. to allow both parties with more flexibility with collateral holdings (if necessary).

BACKGROUND

Council approved updated Electric Utility Risk Management Policies in February 2020. As part of those policies, Roseville Electric is required to limit the cost exposure of providing electricity over a three-year period by purchasing specific amounts of fixed price energy as either electricity or natural gas. Roseville Electric has historically used financial swaps to hedge natural gas and electricity market price risk. ISDA agreements provide an industry standard contractual framework for executing financial transactions for electricity and natural gas, and provide significant credit and other protections to the City.

Council approved an ISDA with Gas Annex and a Power Annex with Citigroup Energy Inc. on October 7, 2020. The current Credit Support Annex with Citigroup Energy Inc. states that the use of collateral “will not apply to both parties”. The First Amendment would make the use of posted collateral apply to both parties. The use of collateral is standard in Roseville Electric Utility’s ISDA contracts with its counterparties, and was inadvertently omitted from the original agreement.

FISCAL IMPACT

There is no fiscal impact associated with the execution of the First Amendment to the ISDA agreement as it is only an amendment to an enabling agreement. There are no transactions currently pending under the ISDA agreement. Transactions facilitated by the attached agreement will conform to the Roseville Energy Risk Management Policies.

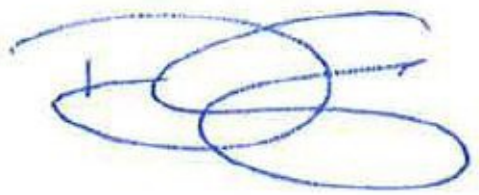
ENVIRONMENTAL REVIEW

The California Environmental Quality Act (CEQA) does not apply to activities that will not result in a direct or reasonably foreseeable indirect physical change in the environment, or is otherwise not considered a project as defined by CEQA Statute §21065 and CEQA State Guidelines §15060(c)(3) and §15378. Approval of the First Amendment to the International Swaps and Derivatives Association Master Agreement with Gas and Power Annexes meets the above criteria and is not subject to CEQA. No additional environmental review is required.

Respectfully Submitted,

Petra Wallace, Electric Risk and Compliance Supervisor

Michelle Bertolino, Electric Utility Director



_____

Dominick Casey, City Manager

ATTACHMENTS:

Description

Resolution 20-031

First Amendment to 2002 ISDA Master Agreement

RESOLUTION NO. 21-031

APPROVING A FIRST AMENDMENT TO 2002 INTERNATIONAL SWAPS AND DERIVATIVES ASSOCIATION ("ISDA") MASTER AGREEMENT, BY AND BETWEEN CITIGROUP ENERGY INC. AND THE CITY OF ROSEVILLE, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE

WHEREAS, a First Amendment to the International Swap and Derivatives Association (ISDA) 2002 Master Agreement, by and between Citigroup Energy Inc. and the City of Roseville, has been reviewed by the City Council; and

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Roseville that said amendment is hereby approved and that the City Manager is authorized to execute it on behalf of the City of Roseville.

PASSED AND ADOPTED by the Council of the City of Roseville this____day of _____, 20_, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk

DocuSign Envelope ID: B26F48F9-222A-4295-8DB5-D0590EEBEF93

FIRST AMENDMENT TO 2002 ISDA MASTER AGREEMENT

This First Amendment to the ISDA Master Agreement dated as of December 3, 2020 (this "Amendment"), is made and entered into by and between **CITIGROUP ENERGY INC.** ("**Party A**") **and CITY OF ROSEVILLE** ("**Party B**").

WHEREAS, Party A and Party B entered into that certain ISDA Master Agreement dated as of August 21, 2020, as amended, modified or supplemented from time time (the "Master Agreement");

WHEREAS, the parties hereto desire to amend the Master Agreement as provided herein;

NOW THEREFORE, for and in consideration of the agreements herein made and other good and valuable consideration, the parties hereto agree as follows:

I. AMENDMENTS

The Master Agreement is hereby amended as follows:

Paragraph 13(g)(ii) of the Credit Support Annex to the Schedule is deleted in its entirety and replaced with the following:

"(g)(ii) **Use of Posted Collateral.** The provisions of Paragraph 6(c) will apply to both parties."

II. MISCELLANEOUS

This Amendment may be executed in multiple counterparts, each of which when executed and delivered shall be deemed to be an original and all of which taken together shall constitute but one and the same instrument.

Any and all references to the Master Agreement shall hereafter refer to the Master Agreement as amended by this Amendment and as the same may be amended, supplemented or modified from time to time. The provisions of this Amendment shall apply to any and all outstanding Transactions under the Master Agreement. Unless otherwise defined herein, capitalized terms not defined herein shall have the same meanings assigned to such terms in the Master Agreement.

IN WITNESS WHEREOF, the parties hereto have caused this First Amendment to be duly executed and delivered as of the date first above written.

CITIGROUP ENERGY INC.	**CITY OF ROSEVILLE**
By: DocuSigned by: Jeffrey A. Gollomp 31035F70048D421...	**By:**
Name: Jeffrey A. Gollomp	**Name:**
Title: Director	**Title:**

COUNCIL COMMUNICATION

CC #: 1256
File #: 0400-04-12-1

Title:	Sierra Vista - Phase 1A Infrastructure Offsite Sewer & Water - Notice of Completion
Contact:	Andrew Druck 916-223-7577 adruck@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 7.14.

RECOMMENDATION TO COUNCIL

Staff recommends that the City Council adopt the attached resolution accepting Sierra Vista - Phase 1A Infrastructure Offsite Sewer & Water, CWJ#180160, as complete and authorizing the City Engineer to execute the Notice of Completion.

BACKGROUND

The Engineering Division has made a final inspection of the above project and has found the roadway infrastructure work complete in accordance with the improvement plans and City Specifications.

FISCAL IMPACT

The actions requested as part of this action have no impact to the City's General Fund. Construction costs were paid by the developer.

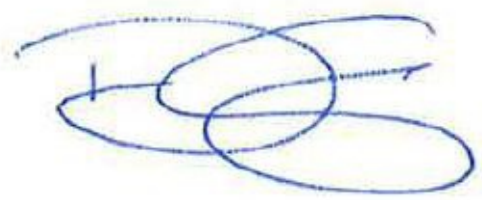
ENVIRONMENTAL REVIEW

The California Environmental Quality Act (CEQA) does not apply to activities that will not result in a direct or reasonably foreseeable indirect physical change in the environment, or is otherwise not considered a project as defined by CEQA Statute §21065 and CEQA State Guidelines §15060(c)(3) and §15378. Approval of a Notice of Completion meets the above criteria and is not subject to CEQA. No additional environmental review is required.

Respectfully Submitted,

Andrew Druck, Construction Inspector

Mike Isom, Development Services Director



_____

Dominick Casey, City Manager

ATTACHMENTS:

Description

Resolution 21-039

NOC

Exhibit A

RESOLUTION NO. 21-039

RESOLUTION OF THE COUNCIL OF THE CITY OF ROSEVILLE ACCEPTING THE PUBLIC WORK KNOWN AS Sierra Vista - Phase 1A Infrastructure Offsite Sewer & Water PROJECT, APPROVING THE "NOTICE OF COMPLETION", AND AUTHORIZING AND DIRECTING THE CITY ENGINEER TO EXECUTE SAID NOTICE ON BEHALF OF THE CITY OF ROSEVILLE.

BE IT RESOLVED by the Council of the City of Roseville as follows:

1. The "Notice of Completion" on file in the City Clerk's Department relative to that public work known as the Sierra Vista - Phase 1A Infrastructure Offsite Sewer & Water is hereby approved and the public work accepted.

2. The City Engineer is hereby authorized and directed to execute said Notice on behalf of the City of Roseville.

PASSED AND ADOPTED by the Council of the City of Roseville, this_____day of_____, 20_____, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
CITY CLERK

RECORDING REQUESTED BY AND WHEN
RECORDED MAIL TO:

CITY CLERK
CITY OF ROSEVILLE
311 VERNON STREET
ROSEVILLE, CA 95678

Exempt from recording fees
Pursuant to Gov't Code §27383

NOTICE OF COMPLETION

NOTICE IS HEREBY GIVEN that the public work of improvement known as the _____ Project was completed and accepted by the City of Roseville on _____. The location is situated in the City of Roseville, County of Placer, State of California and is indicated on the attached map, marked as Exhibit "A" and incorporated herein by this reference. The real property herein described is owned by the City of Roseville, 311 Vernon Street, Roseville CA 95678.

The direct/general contractor on said project was _____.

The surety on said project was _____

_____.

_____

City of Roseville
Owner

ATTEST:

_____
Sonia Orozco, City Clerk

State of California)
County of Placer)

I,_____, being first duly sworn, depose and say: I am the _____ of the City of Roseville, a municipal corporation in the State of California, owner of the property described in the above Notice. I am duly authorized to make this verification for and on behalf of the City of Roseville. I have read the Notice of Completion and know its contents and the facts stated therein are true.

_____

City of Roseville

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of Placer)

Subscribed and sworn to (or affirmed) before me on this _____ day of _____,

20___, _____

proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

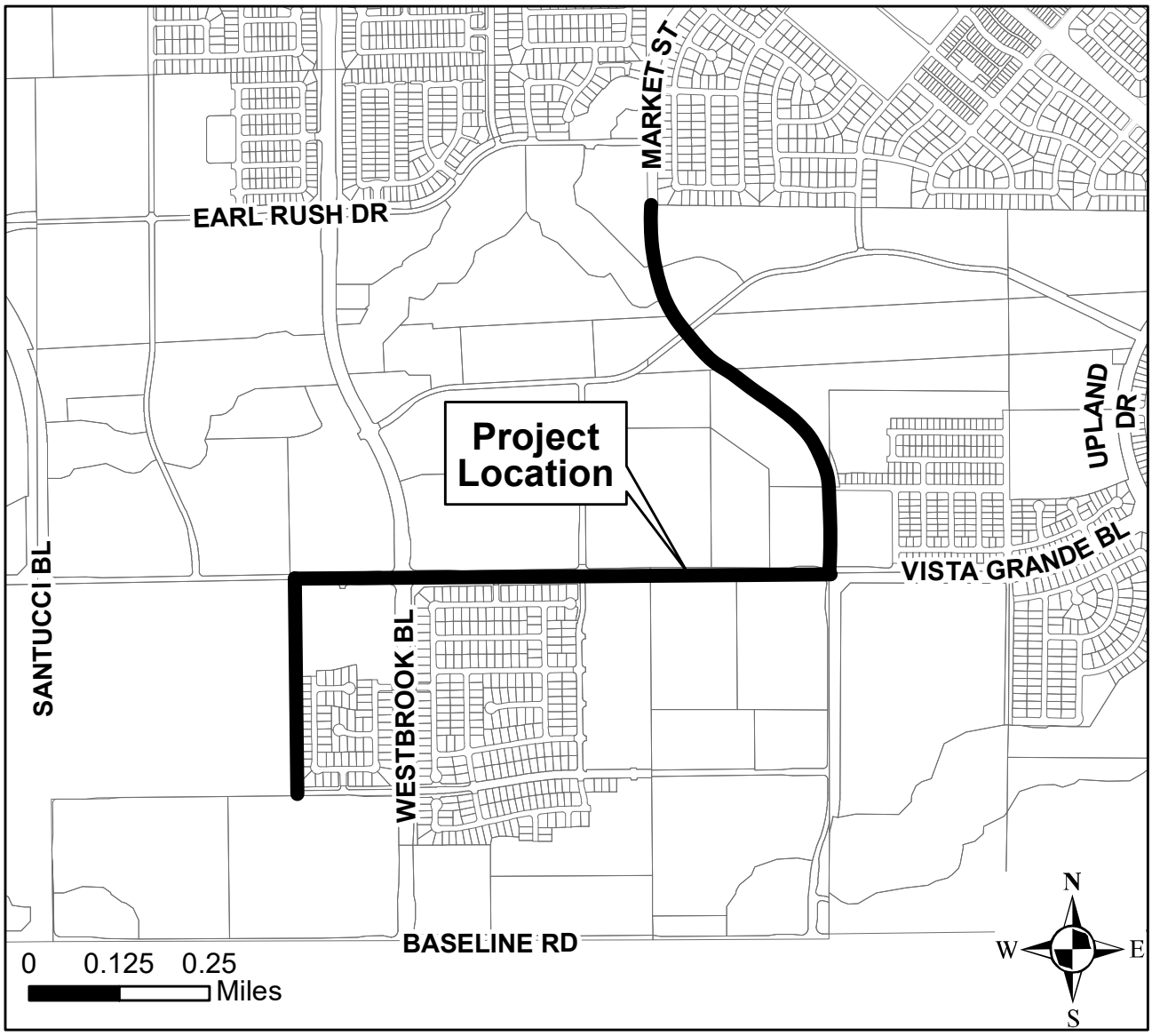
_____

Place Notary Seal and/or Stamp Above

Signature of Notary Public

EXHIBIT A

City of Roseville
Sierra Vista - Phase 1 Infrastructure
Offsite Sewer & Water



COUNCIL COMMUNICATION

CC #: 1253
File #: 0709-03-02

Title:	Huntington Senior Apartments - Affordable Rental Housing Agreement
Contact:	Suzanne Acrell 916-774-5469 sacrell@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 7.15.

RECOMMENDATION TO COUNCIL

Staff recommends that the City Council adopt a resolution to approve an Affordable Rental Housing Agreement with Huntington Senior Apartments, and authorize the City Manager to execute it.

BACKGROUND

On May 1, 2019, the City Council approved the Huntington Senior Apartments project, located at 1650 Huntington Drive, within the Infill area of the City. The conditions of approval for the project require the developer, Huntington Senior Apartments, a California Limited Partnership to enter into an Affordable Rental Housing Agreement with the City to implement their affordable housing obligations. Execution and recordation of this agreement is required prior to the issuance of project building permits.

The General Plan Housing Element requires a 10% housing affordability obligation and recommends that developers provide a distribution of the required affordable housing as follows: a minimum of 40% for the production of rental units affordable to very low-income renters (households earning up to 50% of the area median income [AMI]), another 40% for the production of rental units affordable to low-income households (households earning 51% to 80% of the AMI). The remaining 20% of affordable units are to be reserved for middle income purchase (households earning 81% to 100% of the AMI) or may be distributed among the rental obligations.

The project did not originally require affordable units; but the developer added 52 units to the parcel which triggered the requirement of 10% affordability of the additional units. Based on the project proposal outlined above, the conditions of approval for this subdivision require that five (5) of the 76 rental dwelling units on the property be affordable to very low and low-income households.

As adjusted for household size and updated annually by the Federal Department of Housing and Urban Development (HUD), the very-low income affordable rent shall not exceed the price at which a household earning 50% of the AMI can afford and the low-income affordable rent shall not exceed the price at which a household earning 80% of the AMI can afford. Three (3) units will be

restricted for households at 50% of the AMI and two (2) units will be restricted to households at 80% of the AMI. The initial rent for a very-low income one-bedroom rental unit is $810 and $971 for a very low income two-bedroom rental unit; and the initial rent for a low-income one-bedroom rental unit is $1,295 and $1,554 for a low-income two-bedroom rental unit. The recommended Affordable Rental Housing Agreement term is 55 years which will support the City's General Plan in meeting the affordable housing goals.

FISCAL IMPACT

No General Fund resources will be used for the implementation of the Huntington Senior Apartments Affordable Renting Housing Agreement. The rental subsidies for the project that are necessary to comply with the affordability requirements will be borne by the project's developer.

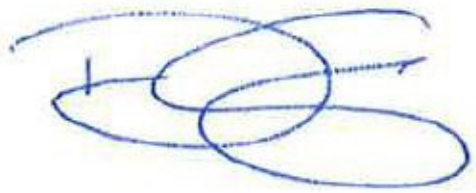
ENVIRONMENTAL REVIEW

The California Environmental Quality Act (CEQA) does not apply to activities that will not result in a direct or reasonably foreseeable indirect physical change in the environment, or is otherwise not considered a project as defined by CEQA Statute §21065 and CEQA State Guidelines §15060(c)(3) and §15378. The Affordable Renting Housing Agreement for Huntington Senior Apartments meets the above criteria and is not subject to CEQA. No additional environmental review is required.

Respectfully Submitted,

Suzanne Acrell, Housing Analyst

Laura Matteoli, Economic Development Director



_____

Dominick Casey, City Manager

ATTACHMENTS:

Description

Resolution 21-037

Huntington Senior Apartments Affordable Rental Housing Agreement

RESOLUTION NO. 21-037

APPROVING AN AFFORDABLE RENTAL HOUSING AGREEMENT, BY AND BETWEEN THE CITY OF ROSEVILLE AND HUNTINGTON SENIOR APARTMENTS, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE

WHEREAS, the General Plan Housing Element requires a 10% housing affordability obligation; and

WHEREAS, on May 1, 2019, City Council approved the Huntington Senior Apartments project, located at 1650 Huntington Drive; and

WHEREAS, the conditions of approval for the project require Huntington Senior Apartments to enter into an Affordable Rental Housing Agreement with the City to implement their affordable housing obligations; and

WHEREAS, an Affordable Rental Housing Agreement, by and between the City of Roseville and Huntington Senior Apartments, has been reviewed by City Council; and

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Roseville that said Agreement is hereby approved and that the City Manager or his designee is authorized to execute it on behalf of the City of Roseville.

PASSED AND ADOPTED by the Council of the City of Roseville this____day of _____, 2021, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk

NO FEE DOCUMENT
PER GOVT. C. §27383

RECORDING REQUESTED BY
City of Roseville

AND WHEN RECORDED, MAIL TO:
City of Roseville
CITY Clerk
311 Vernon Street
Roseville, CA 95678

AFFORDABLE RENTAL HOUSING AGREEMENT
(Project: Huntington Senior Apartments)

This Affordable Rental Housing Agreement ("AGREEMENT") is made this _____ day of _____, 2021, ("Effective Date"), by and between the City of Roseville, a municipal corporation ("CITY"), and Huntington Senior Apartments, a California limited partnership ("OWNER/DEVELOPER").

RECITALS

A. On June 13, 2013, CITY approved the updated Housing Element of the General Plan which applies ten percent (10%) affordability requirement to all new specific plan areas or properties for which zoning is amended to change residential density.

B. OWNER/DEVELOPER is receiving the benefit of land entitlements either through the Specific Plan and Development Agreement process or by amendment of the zoning of the property to change residential density.

C. On May 1, 2019, CITY approved the Design Review Permit (DRP No. PL17-0247), the "Project". The conditions of approval of the Project require that 5 of the units in the Project be developed and rented at rental rates affordable to very low and low income households (the "Regulated Units").

D. The conditions of approval of the Project require OWNER/DEVELOPER to enter into an Affordable Rental Housing Agreement to the satisfaction of City Attorney of CITY, implementing the affordable housing obligations of OWNER/DEVELOPER.

E. OWNER/DEVELOPER and CITY enter into this AGREEMENT in order to implement OWNER/DEVELOPER'S affordable housing obligations.

F. OWNER/DEVELOPER has secured the possession of real property located at 1650 Huntington Drive, Roseville, California, 95661, also referred to as Infill Parcel 93 & 196 (as more particularly described in **Exhibit A** (the "Property").

OWNER/DEVELOPER proposes to develop and construct a seventy-six (76) unit senior rental housing apartment project (the "Project") on the Property, with occupancy restricted to SENIOR CITIZENS, a portion of which are Regulated Units, as defined below, that shall be rented at rents that are affordable to Low and Very Low income households (the "Regulated Units"). The Project is intended to serve as a community resource by providing decent, safe, and sanitary housing for households which would otherwise be unable to afford such housing. Development of the property is governed by the General Plan.

G. On November 4, 2020, by Resolution No. 20-431 of the Roseville CITY Council, the CITY agreed to the deferral of certain development impact fees related to the Project in the amount of three hundred five thousand two hundred two dollars and twenty six cents ($305,202.26).

H. The purpose of this AGREEMENT is to regulate and restrict the occupancy, rents, operation, ownership, and management of the Project for the benefit of Project occupants and the people of the City of Roseville. The covenants in this AGREEMENT are intended to run with the land and be binding on OWNER/DEVELOPER and OWNER/DEVELOPER's successors in interest for the full term of this AGREEMENT.

NOW, THEREFORE, OWNER/DEVELOPER and the CITY hereby agree as follows:

DEFINITIONS

The following terms have the meanings set forth in herein wherever used in this AGREEMENT or attached exhibits.

1. **"CITY"** means the City of Roseville, a municipal corporation.

2. **"AREA MEDIAN INCOME"** (referred to herein as "AMI") means the median income for the Metropolitan Statistical Area which includes the City of Roseville ("MSA"), with adjustments for household size, as determined from time to time by the U.S. Department of Housing and Urban Development (HUD) pursuant to Section 8(f)(3) of the United States Housing Act of 1937 as amended, or such other method of median income calculation applicable to the City of Roseville that HUD may hereafter adopt in connection with said Act. If HUD should cease making such determination, the City may designate another method of calculation of area median income used by any federal or state agency and applicable to the City of Roseville.

3. **"OWNER/DEVELOPER"** means Huntington Senior Apartments, a California limited partnership, together with its permitted successors and assigns.

4. **"PROJECT"** means the development, construction and operation of a residential, multi-family rental apartment project on the Property, with occupancy restricted to SENIOR CITIZENS. A portion of the units are Regulated Units to be rented at rents that are affordable to Low and Very Low income households.

5. **"PROPERTY"** means the real property located at 1650 Huntington Drive, Roseville, California, 95661 identified and described in **Exhibit A**, attached hereto and incorporated into this AGREEMENT by this reference, and any buildings or improvements now or hereafter situated on such real property.

6. **"QUALIFYING HOUSEHOLD"** means a household in which household income does not exceed the percentage of Area Median Income prescribed for the applicable housing unit by the terms of this AGREEMENT.

7. **"QUALIFYING RENT"** means the maximum monthly rent allowed under **Exhibit B** "adjusted for family size appropriate to the unit" (as such term is defined by Health and Safety Code sections 50052.5 and 50053) including a reasonable allowance for tenant-paid utilities (also known as Utility Allowance). During the period a regulatory agreement governing the allocation and award of any federal tax credits is in effect, Qualifying Rent may be determined in accordance with such regulatory agreement and 26 U.S.C., Section 42, for initial occupancy of tenants.

8. **"REGULATED UNITS"** means five (5) rental dwelling units of the seventy-six (76) rental dwelling units on the Property constructed for the Project, with occupancy restricted to SENIOR CITIZENS, that shall be rented at rents that are affordable to Low and Very Low income households and having the following composition: three (3) one (1) bedroom units and two (2) two (2) bedroom units.

9. **"SENIOR CITIZEN"** means at least one member of the household has attained the age of fifty five (55) years.

OWNER/DEVELOPER'S OBLIGATIONS

10. **TERM OF AGREEMENT.** This AGREEMENT shall commence upon the Effective Date and shall remain in full force and effect for fifty-five (55) years after the date OWNER/DEVELOPER obtains a Certificate of Occupancy from CITY for the Project or, in the event the Project has multiple buildings or structures, a Certificate of Occupancy for the last habitable building or structure for the Project. The obligations in this AGREEMENT shall remain effective and fully binding on OWNER/DEVELOPER for this full term regardless of any expiration of the term of any loan, any payment, or prepayment of any loan, any assignment of a note, any reconveyance of a deed of trust, or any sale, assignment, transfer, or conveyance of the Property (other than certain transfers by foreclosure, deed in lieu of foreclosure, exercise of the power of sale or other similar transfer), unless terminated earlier by the CITY in a recorded writing.

11. **LEGAL INTEREST IN PROJECT**. OWNER/DEVELOPER represents that is has legal interest in the Subject Property and that all other persons holding legal or equitable interests in the Subject Property have signed an "Acknowledgement and Consent Certificate", in a form approved by the City Attorney of the CITY, acknowledging and consenting to the terms of this AGREEMENT. All persons holding any legal or equitable interest in the Subject Property shall be bound by this AGREEMENT.

PROJECT OCCUPANCY AND RENTS

12. **OCCUPANCY OF PROJECT.** OWNER/DEVELOPER shall limit, for the full term of this AGREEMENT identified in paragraph 10, above, the rental of Regulated Units to Qualifying Households according to the schedule contained in **Exhibit B** herein, which is hereby incorporated by reference into this AGREEMENT. The income levels and other qualifications of applicants shall be certified prior to initial occupancy in conformance with the Final Management Plan identified in paragraph 19, below, and the City of Roseville's rules governing income certification, as these rules may be amended from time to time by California law or as required in order to comply with California law. Specifically, OWNER/DEVELOPER covenants and agrees that for the full term of this Agreement it shall reserve for occupancy: (i) one (1) one (1) bedroom and one (1) two (2) bedroom Regulated Units for SENIOR CITIZEN households whose income does not exceed fifty percent (50%) of AMI, and (ii) two (2) one (1) bedroom and one (1) two (2) bedroom Regulated Units for households whose income does not exceed eighty percent (80%) of AMI.

The Project shall be owned, managed and operated as a single, multi-family residential rental project, with occupancy restricted to SENIOR CITIZENS, which may be comprised of several buildings and structures, each consisting of more than one residential dwelling unit, together with facilities functionally related and subordinate thereto, in accordance with the applicable provisions of the Internal Revenue Code and applicable California law, as the same may be amended from time to time. All of the residential dwelling units in the Project will be similarly constructed and shall contain separate and complete facilities for living, sleeping, eating, cooking and sanitation for a single person or family, including sleeping area, bathing and sanitation facilities and cooking facilities equipped with a cooking range, refrigerator and sink. None of the residential dwelling units shall be utilized, at any time, on a transient basis. Neither the Project, nor any portion thereof, shall ever be used as a hotel, dormitory, fraternity house, sorority house, rooming house, hospital, nursing home, sanitarium, rest home or trailer park or court.

13. **PROJECT RENTS.** Rents for Regulated Units shall be limited to Qualifying Rents as set forth in **Exhibit B** as the same may be revised from time to time in accordance with this AGREEMENT and applicable federal or state laws and regulations. Rent shall be no greater than considered "affordable rent" for the applicable household pursuant to Section 50053 of the California Health and Safety Code, as amended, or any successor statute thereto. Nothing in this AGREEMENT shall prevent OWNER/DEVELOPER from charging lower rents.

14. **RENTAL INCREASES FOR EXISTING TENANTS ON THE PROPERTY.** Irrespective of when income limits are published under Tax Credit Law, rents for Regulated Units may be adjusted no more frequently than: (a) twelve (12) months following the date of initial occupancy or (b) every twelve (12) months following the last permissible date of recorded rental adjustment. Additionally, in no event shall the amount of annual rent increase exceed the amount of annual rent increase allowed by Tax Credit Law. Rents for Regulated Units may be adjusted annually to coincide with

the increases in the Annual Adjustment Factors (AAF) as published by the United States Department of Housing and Urban Development (HUD) for the West Region.

In the event HUD terminates publication of the AAF, rents shall be adjusted annually to coincide with the annual percentage increase for residential rent as shown in the "rent, Residential" component of the Housing component in the Consumer Price Index for all urban consumers in the San Francisco-Oakland area. If OWNER/DEVELOPER does not agree with the adjustment factors provided herein, OWNER/DEVELOPER may, within fifteen (15) calendar days of notification by CITY's Housing Manager ("the HM") of that year's adjustment, present to the HM information on which it wishes to base its annual rent adjustment. The HM will review this information and decide on which adjustment factor OWNER/DEVELOPER shall base its annual rent increase. The decision of the HM shall be final.

15. **CONDOMINIUM CONVERSION PROHIBITED.** OWNER/DEVELOPER shall not convert Project units, including Regulated Units and/or any unregulated units, to condominium or cooperative ownership or sell condominium or cooperative conversion rights to the Project units for the term of this AGREEMENT.

16. **NONDISCRIMINATION.** OWNER/DEVELOPER shall not discriminate or segregate in the use, enjoyment, occupancy, conveyance, lease, sublease, or rental of Project units on the basis of race, color, ancestry, national origin, religion, sex, sexual preference, gender, gender identity, gender expression, age (except to the extent necessary to qualify the tenant as a SENIOR CITIZEN), marital status, family status, source of income, physical or mental disability, Acquired Immune Deficiency Syndrome (AIDS) or AIDS-related conditions (ARC), or any other arbitrary basis. OWNER/DEVELOPER shall include a statement in all advertisements, notices, and signs for the availability of Project units for rent to the effect that OWNER/DEVELOPER is an Equal Housing Opportunity Provider. OWNER/DEVELOPER shall further ensure and require that any contractor or subcontractor engaged in work on the Project shall provide equal opportunity for employment without discrimination as to race, sex, marital status, color, religion, sexual orientation, source of income, national origin or ancestry.

17. **MANAGEMENT RESPONSIBILITIES.** OWNER/DEVELOPER is specifically responsible, subject to its obligations herein, for all management functions with respect to the Property, including, without limitation, the selection of tenants, certification and recertification of household size and income, evictions, collection of rents and deposits, maintenance, landscaping, routine and extraordinary repairs, replacement of capital items, and security. The CITY shall have no responsibility over management of the Property.

18. **MANAGEMENT ENTITY.** The CITY shall have the right to review and approve the management entity chosen by OWNER/DEVELOPER for the Property and, with the prior written consent of the Senior Lenders and the tax credit investor (if applicable), shall have the right to require a change in the management agent for the Project in the event OWNER/DEVELOPER is in default under the AGREEMENT. Any contracting of management services by OWNER/DEVELOPER shall not relieve

OWNER/DEVELOPER of its primary responsibilities for proper performance of management duties. The CITY approves of the use of FPI Management, Inc., a California corporation, engaged in the provision of multi-family residential and commercial property management services, as the designated initial management entity for the Project.

19. **DRAFT AND FINAL MANAGEMENT PLANS.**

A. **DRAFT MANAGEMENT PLAN.** OWNER/DEVELOPER shall prepare and submit to CITY a Draft Management Plan for CITY's review and approval. The Draft Management Plan shall be submitted to CITY at least one hundred eighty (180) calendar days prior to the anticipated date for completion of construction of the Project. The Draft Management Plan shall contain, but is not limited to, specific statement as to (1) the identity, experience and duties regarding operation of the Project of any non- profit, public benefit corporation who is a partner of OWNER/DEVELOPER; (2) marketing policies and strategies; (3) tenancy occupancy rules and regulations; (4) rental procedures and tenant income limitation; (5) eviction procedures; (6) operating policies and guidelines; (7) reserve account policies; (8) maintenance and capital improvement policies; and (9) shall provide as an exhibit thereto a sample form of lease agreement. Upon transfer of the Project of OWNER/DEVELOPER'S interest in the Project, the party to who the Project is transferred shall, as a condition of such transfer, provide CITY with a copy of such party's Management Plan for the Project, which plan shall provide statements as called for herein.

B. **CITY REVIEW OF DRAFT MANAGEMENT PLAN.** Upon submittal of the Draft Management Plan by OWNER/DEVELOPER to CITY, CITY shall review the Draft Management Plan and provide written comments to OWNER/DEVELOPER within ninety (90) calendar days or as soon thereafter as is practicable.

C. **FINAL MANAGEMENT PLAN.** Prior to issuance of any Certificate of Occupancy for the Project, OWNER/DEVELOPER shall submit a Final Management Plan to CITY for its review and final approval no later than thirty (30) calendar days prior to the anticipated date for completion of construction of the Project.

Notwithstanding the foregoing, CITY shall have the right to review and approve any proposed amendments to OWNER/DEVELOPER's contract with its management firm, or any new management contracts, during the term of this AGREEMENT; provided, however, that CITY's approval shall not be required for a renewal of the initial management contract.

20. **MANAGEMENT AGENT.** The Project shall at all times be managed by an experienced Management Agent reasonably acceptable to CITY, with demonstrated ability to operate residential facilities like the Project in a manner that will provide decent, safe and sanitary housing. During the monitoring as described in Section 26, CITY will assess Management Agent's ability to operate the Project in a decent, safe and sanitary manner. One factor CITY will use to make its assessment will be a

comparison of calls for police and fire services with other senior rental complexes in Roseville which offer similar services.

OWNER/DEVELOPER shall submit for CITY's reasonable approval the identity of any proposed Management Agent. OWNER/DEVELOPER shall also submit such additional information about the background, experience, and financial condition of any proposed Management Agent as is reasonably necessary for CITY to determine whether the proposed Management Agent meets the standards for a qualified Management Agent set forth above.

If the proposed Management Agent meets the standards for a qualified Management Agent set forth above, CITY shall approve the proposed Management Agent by notifying OWNER/DEVELPER in writing. Unless the proposed Management Agent is disapproved by CITY within thirty (30) days of said submission of identity and qualifications of proposed Management Agent, which disapproval shall state reasonable specificity the basis for disapproval it shall be deemed approved. FPI Management, Inc. is hereby approved by the CITY as the initial Management Agent.

21. **Intentionally deleted.**

22. **MAINTENANCE AND SECURITY.** OWNER/DEVELOPER shall at its own cost and expense maintain the Property in good condition, in good repair, and in decent, safe, sanitary, habitable, and tenantable living condition for the benefit of Project occupants. OWNER/DEVELOPER shall not commit or permit any waste on or to the Property, and shall prevent and/or rectify any physical deterioration of the Property. OWNER/DEVELOPER shall maintain the Property in conformance with all applicable state, federal, and local laws, ordinances, codes, and regulations and the Management Plan.

23. **UNIT VACANCIES.** OWNER/DEVELOPER shall use its best efforts to fill vacancies in Regulated Units as quickly as possible.

24. **INSPECTION AND RECORDS.** OWNER/DEVELOPER shall maintain records which clearly document OWNER/DEVELOPER's performance of its obligations to operate the Regulated Units under the terms of this AGREEMENT. OWNER/DEVELOPER shall submit any records to the CITY within ten (10) business days of CITY's request. OWNER/DEVELOPER shall permit CITY to enter and inspect the Regulated Units for compliance with obligations under this AGREEMENT upon twenty-four (24) hours advance notice of such visit by CITY to OWNER/DEVELOPER or OWNER/DEVELOPER's management agent and to tenants of any inspected Regulated Units , subject to the provisions of the lease regarding inspection and entry rights, which provisions must otherwise be consistent with state law.

25. **ANNUAL REPORT.** OWNER/DEVELOPER shall submit an annual report to CITY as required by California Health and Safety Code Section 33418, which shall include at a minimum for each Regulated Unit the rental rate and the income and

household size of the occupants. The income information required under this report shall be supplied by the tenant in a certified statement on a form provided by CITY. CITY may request additional information be included in the annual report.

26. **MONITORING/NON-COMPLIANCE/CURE**. OWNER/DEVELOPER'S compliance with the provisions of this AGREEMENT shall be reviewed at least annually, and at such other times as CITY may require, upon thirty (30) days prior written notice from CITY. If, as a result of such review, CITY finds and determines that OWNER/DEVELOPER has not complied in good faith with the terms and conditions of this AGREEMENT, CITY shall give written notice to OWNER/DEVELOPER of its findings and of the exact nature of OWNER/DEVELOPER'S non-compliance. OWNER/DEVELOPER shall be given a period of sixty (60) days after delivery of any such notice in which to cure, unless a longer period is reasonably required, to the reasonable satisfaction of CITY, any non-compliance. In the event CITY fails to give OWNER/DEVELOPER notice of any non-compliance at or before the annual review, OWNER/DEVELOPER shall not be held responsible for any failure to comply with the terms and conditions of this AGREEMENT during the year covered by the annual review.

27. **CITY REMEDIES FOR BREACH**. If OWNER/DEVELOPER is unable or otherwise fails to cure any non-compliance within sixty (60) days, unless a longer period is reasonably required, after CITY delivers notice of non-compliance pursuant to Section 26, CITY may, in addition to any other remedy provided by law or equity, terminate this AGREEMENT, seek liquidated damages in accordance with this AGREEMENT, or take any other action available to it under this AGREEMENT. In particular, and without limitation by reason of enumeration, OWNER/DEVELOPER acknowledges and agrees that failure to cure any non- compliance under this AGREEMENT, whether by OWNER/DEVELOPER or any successor, shall, at the option of the CITY, constitute a breach and default under this AGREEMENT

In addition, and without limitation by reason of enumeration, OWNER/DEVLOPER acknowledges and agrees that CITY shall have the right to withhold issuance of all building permits within the Project until such breach is cured.

In the event of any breach/default or violation of any agreement, obligation, or warranty under this AGREEMENT, CITY shall give written notice to OWNER/DEVELOPER, with copies to the Senior Lenders and Central Valley Community Bank, specifying: (a) the nature of the breach or violation, (b) the action required to cure the breach or violation, and (c) a date, which shall not be less than thirty (30) calendar days from the date of the notice, by which such action to cure must be taken. If OWNER/DEVELOPER fails to cure the breach or violation within the time frame specified in the notice CITY additionally has the right, at its sole election, to:

A. Bring an action for equitable relief seeking the specific performance by OWNER/DEVELOPER of the terms and conditions of this AGREEMENT, and/or enjoining, abating, or preventing any violation of said terms and conditions, and/or seeking declaratory relief;

B. Enter upon, take possession of, and manage the Regulated Units , either in person, by agent, or by a receiver appointed by a court, and collect any rents, income, deposits, or reserves and apply them to operate the Property and the Project, and continue in possession until such time as CITY in its reasonable judgment determines that OWNER/DEVELOPER is in a position to operate the Property and the Project in compliance with this AGREEMENT;

C. After notice provided for herein, make such repairs or replacements to the Regulated Units as are necessary and provide for payment thereof;

D. For violations of OWNER/DEVELOPER's obligations with respect to occupancy restrictions, Project maintenance, and unit vacancies, impose as liquidated damages a charge upon OWNER/DEVELOPER in an amount of ONE HUNDRED DOLLARS ($100) per day for each Project unit that is not operated in compliance with this AGREEMENT;

E. For violations of OWNER/DEVELOPER's obligations with respect to Project rents, impose as liquidated damages a charge upon OWNER/DEVELOPER in an amount equal to the actual amount OWNER/DEVELOPER has collected from any Qualifying Household in excess of the Qualifying Rent;

F. Pursue any other remedy allowed at law or in equity.

CITY's rights hereunder shall be in addition to, and not in lieu of, every other right or remedy provided for herein or now or hereafter existing at law or in equity by statute or otherwise, including, but not limited to injunctive relief, specific performance and damages. The exercise or beginning of exercise by CITY of any one or more rights or remedies, provided herein or now or hereafter existing at law or in equity by statute or otherwise, shall not preclude the simultaneous or later exercise by CITY of any or all other rights or remedies provided for in this AGREEMENT or now or hereafter existing at law or in equity or by statute or otherwise. All such rights and remedies shall be considered cumulative and nonexclusive.

The parties agree that the sums and formulas designated herein as liquidated damages represent a reasonable approximation of the damages CITY is likely to suffer from violations of the respective terms. OWNER/DEVELOPER agrees to pay in full any accrued liquidated damages to CITY within ten (10) calendar days of a written demand by CITY for such payment.

28. **FEES, TAXES, AND OTHER LEVIES.** OWNER/DEVELOPER shall be responsible for payment of all fees, assessments, taxes, charges, and levies imposed by any public authority or utility company with respect to the Property and the Project, and shall pay such charges prior to delinquency. However, OWNER/DEVELOPER shall not be required to pay any such charge so long as (a) the legality thereof is being contested in good faith and by appropriate proceedings, and (b) OWNER/DEVELOPER maintains reserves adequate to pay any contested liabilities.

29. **INSURANCE COVERAGE.** OWNER/DEVELOPER shall cause to have in full force and effect during the term of this AGREEMENT continuous insurance coverage as required by any lienholder.

30. **PROPERTY DAMAGE OR DESTRUCTION.** If any building or improvement erected by OWNER/DEVELOPER on the Property is damaged or destroyed, subject to the requirements of the Senior Lenders, OWNER/DEVELOPER shall, at its own cost and expense, repair or restore the Property consistent with the original Plans and Specifications for the Project. Such work shall be commenced within one hundred twenty (120) calendar days after the damage or loss occurs and shall be completed within three hundred and sixty-five (365) calendar days thereafter. Subject to the requirements of the Senior Lenders, all insurance proceeds collected for such damage or destruction shall be applied to the cost of such repairs or restoration and, if insurance proceeds are insufficient for such purpose, OWNER/DEVELOPER shall make up the deficiency.

GENERAL PROVISIONS

31. **SUBORDINATION.** Except as expressly set forth herein, this AGREEMENT shall not be subordinated in priority to any other interest in the Property that was not recorded on or prior to the date of recordation of this Agreement, unless the CITY expressly consents, in writing, to the subordination or junior priority of this AGREEMENT. Such consent, if any, shall be within the CITY's commercially reasonable discretion, and may only be permitted, if at all, for purposes that conform with the circumstances authorized by California Health and Safety Code section 33334.14(a), and to the extent the proposed subordination is otherwise consistent and compliant with all legal standards, including eligibility requirements and other conditions imposed by funding sources for the Project.

32. **TRANSFER AND ENCUMBRANCE OF PROPERTY.** During the term of this AGREEMENT, OWNER/DEVELOPER shall not make or permit any sale, agreement to sell, assignment, conveyance, lease (other than the rental of Project units to eligible residential tenant occupants), or transfer of the Property or any part thereof, including the sale of any general or limited partnership interests, the removal of any general partner, or any substantial change in operational or management control over the Property (collectively referred to as "Transfers"), without the prior written consent of CITY. The limitations on OWNER/DEVELOPER's right of assignment or other transfer contained in this paragraph shall not apply to any foreclosure, deed in lieu of foreclosure, or other remedial action lawfully taken by any Senior Lender holding a security interest in the Property with priority over the CITY's interests; nor shall they apply to the transfer of limited partner interests in OWNER/DEVELOPER and/or the removal of a general partner or a limited partner pursuant to the terms and conditions of OWNER/DEVELOPER's organizational document.

CITY shall give its consent to a Transfer provided that it determines all of the following conditions are met: (a) OWNER/DEVELOPER is in compliance with this AGREEMENT or the Transfer will cure existing violations of this AGREEMENT; (b) the

transferee agrees to assume all obligations of OWNER/DEVELOPER imposed by this AGREEMENT; (c) the transferee demonstrates to CITY's satisfaction that it is capable of owning and/or operating the Property and the Project in full compliance with this AGREEMENT; and (d) the terms of the Transfer is otherwise in full compliance with all legal standards, including eligibility requirements and other conditions imposed by funding sources for the Project;

During the term of this AGREEMENT, OWNER/DEVELOPER shall not engage in any financing or other transaction creating any mortgage or other encumbrance or lien upon the Property and/or the Project (except for any financing provided by CITY), without the prior written consent of CITY, which consent may not be unreasonably withheld

33. **NONLIABILITY OF OFFICIALS, EMPLOYEES, AND AGENTS**. No member, official, director, employee, agent or independent contractor of CITY shall be personally liable to OWNER/DEVELOPER or third party beneficiaries for any obligation created under the terms of this AGREEMENT.

34. **INDEMNITY AND WAIVER**. Notwithstanding the insurance coverage required herein, OWNER/DEVELOPER shall indemnify and hold CITY, its members, officials, directors, employees, agents and independent contractors (collectively "Indemnitees"), harmless against any losses, damages, liabilities, claims, demands, judgments, actions, court costs, and legal or other expenses (including attorney's fees) which Indemnitees may incur as a result of (1) OWNER/DEVELOPER's failure to perform any obligations as and when required by this AGREEMENT; (2) any failure of OWNER/DEVELOPER's representations or warranties to be true and complete in any material respect; or (3) any act or omission by OWNER/DEVELOPER or any contractor, subcontractor, management agent, or supplier with respect to the Project or the Property, except to the extent that such losses are caused solely by the negligence or willful misconduct of Indemnitees. The duty of the OWNER/DEVELOPER to indemnify includes the duty to defend Indemnitees in any court action, administrative action, or other proceeding brought by any third party arising from the Project or the Property. OWNER/DEVELOPER's duty to indemnify Indemnitees shall survive the term of this AGREEMENT.

35. **GOVERNING LAW.** This AGREEMENT shall be interpreted under and be governed by the laws of the State of California, except for those provisions relating to choice of law and those provisions preempted by federal law.

36. **AGREEMENT CONTROLS**. In the event that any provisions of this AGREEMENT and any of its exhibits, the terms of the AGREEMENT shall control.

37. **ATTORNEYS' FEES AND COSTS**. In the event that a legal or administrative action is brought to interpret or enforce the terms of this AGREEMENT, the prevailing party shall be entitled to recover all reasonable attorneys' fees and costs

incurred in such action.

38. **TIME**. Time is of the essence in this AGREEMENT.

39. **CONSENTS AND APPROVALS**. Except as otherwise expressly provided in this AGREEMENT, any consent or approval required under the AGREEMENT shall not be unreasonably withheld or delayed.

40. **NOTICES, DEMANDS, AND COMMUNICATIONS.** Formal notices, demands, and communications between OWNER/DEVELOPER and CITY shall be given by first class or certified mail, return receipt requested, postage prepaid or delivered personally, to OWNER/DEVELOPER and CITY as follows, or at such other address as a party may designate by written notice to the other party:

City of Roseville
Housing Manager
316 Vernon Street #150
Roseville, CA 95678

Owner/Developer
Huntington Senior Apartments, LP
3007 Douglas Blvd, Suite 170
Roseville, CA 95661

41. **BINDING UPON SUCCESSORS**. All provisions of this AGREEMENT shall be binding upon and inure to the benefit of the heirs, administrators, executors, successors in interest, transferees, and assigns of OWNER/DEVELOPER and CITY, and shall run with the land for the full term of this AGREEMENT. Any successor in interest to OWNER/DEVELOPER and any purchaser or transferee of the Property shall be subject to all of the duties and obligations imposed on OWNER/DEVELOPER under this AGREEMENT for the full term of this AGREEMENT. The term "OWNER/DEVELOPER" as used in this AGREEMENT shall include all such assigns, successors-in-interest, and transferees.

42. **RELATIONSHIP OF PARTIES**. The relationship of OWNER/DEVELOPER and CITY for this Project during the term of this AGREEMENT shall not be construed as a joint venture, equity venture, or partnership. CITY neither undertakes nor assumes any responsibility or duty to OWNER/DEVELOPER or to any third party with respect to the operation of the Property or the actions of OWNER/DEVELOPER. Except as CITY may specify in writing, OWNER/DEVELOPER shall have no authority to act as an agent of CITY or to bind CITY to any obligation.

43. **WAIVER.** Any waiver by CITY of any obligation in this AGREEMENT must be in writing. No waiver shall be implied from any delay or failure by CITY to take action on any breach or default of OWNER/DEVELOPER or to pursue any remedy allowed under this AGREEMENT or applicable law. Any extension of time granted to OWNER/DEVELOPER to perform any obligation under this AGREEMENT shall not operate as a waiver or release from any of its obligations under this AGREEMENT. Consent by CITY to any act or omission by OWNER/DEVELOPER shall not be construed as the consent to any other or subsequent act or omission or to waive the requirement for CITY's written consent to future waivers.

44. **OTHER AGREEMENTS.** OWNER/DEVELOPER represents that it has not entered into any agreements that would restrict or compromise its ability to comply with the terms of this AGREEMENT. OWNER/DEVELOPER shall not enter into any agreements that are inconsistent with the terms of this AGREEMENT without an express written waiver by CITY.

45. **AMENDMENTS AND MODIFICATIONS**. Any amendments or modifications to this AGREEMENT must be in writing, and shall be effective only if executed by both OWNER/DEVELOPER and CITY, following receipt of all required approvals, and only with the consent of the Senior Lenders.

46. **SEVERABILITY**. Every provision of this AGREEMENT is intended to be severable. If any provision of this AGREEMENT is held invalid, illegal, or unenforceable by a court of competent jurisdiction, the validity, legality, and enforceability of the remaining provisions shall not be affected or impaired.

SPECIAL PROVISIONS

47. **ADMINISTRATIVE FEE.** In the event of OWNER/DEVELOPER's breach or violation of any agreement, obligation or warranty under the AGREEMENT or in the event the Property is transferred in violation of paragraph 32 of this AGREEMENT, and the Property is exempt from real property taxation, OWNER/DEVELOPER shall pay annually, not later than April 15 of each year, a fee equal to seventeen percent (17%) of the real property tax which would have been paid on the Regulated Units of the Property if it were subject to real property taxation ("Administrative Fee"). The CITY shall provide the OWNER/DEVELOPER with notice and the right to cure, as set forth in above paragraph 26, any event which the CITY believes give rise to an obligation to pay the Administrative Fee.

The Administrative Fee shall increase and be adjusted annually by an amount not to exceed two percent (2%) of each prior year's Administrative Fee, and shall be increased based upon the percentage equal to any increase in the Property and/or Project's assessed valuation arising from any sale, transfer or refinancing of the Property and/or Project; provided, however, in the event the Property and/or Project becomes subject to payment of property taxes other than special district taxes, the Administrative Fee shall terminate. The payment of such Administrative Fee shall be in addition to, and not to the exclusion of, the CITY's other remedies contemplated in paragraph 26 of this AGREEMENT.

48. **REFINANCING REVIEW FEE.** In the event that the Property and/or the Project is a tax credit project and is refinanced during the term of this Agreement, OWNER/DEVELOPER shall provide CITY a prepayment in amount to be determined by CITY, upon request by OWNER/DEVELOPER, for CITY's staff costs in reviewing any refinancing documentation submitted to CITY for CITY's review and approval. Such prepayment shall be submitted by OWNER/DEVELOPER prior to CITY commencing any review. It is estimated that the prepayment will be ten thousand dollars ($10,000.00). OWNER/DEVELOPER shall not be entitled to receive a refund of any

such fee in the event that OWNER/DEVELOPER fails to complete such refinancing.

49. **TENANT MONITORING FEE.** Commencing one (1) year after the date of the final Certificate of Occupancy for the Project and annually thereafter, OWNER/DEVELOPER shall pay to CITY, not later than March 31 of each year, a tenant monitoring fee equal to FORTY DOLLARS ($40) for each occupied, rent restricted, apartment unit within the Project, with such fee to be adjusted to reflect the five Regulated Units' actual occupancy rate. The fee for each Regulated Unit shall be prorated over the portion of the year that the unit was occupied or leased. A penalty of ten percent (10%) per month shall be assessed against any fee not paid when due.

50. **PARTICIPATION IN HOUSING CHOICE VOUCHER PROGRAM.** During the term of this AGREEMENT, OWNER/DEVELOPER agrees to accept tenants who qualify under the Housing Choice Voucher ("HCV") program administered by the Roseville Housing Authority (the "Authority") or its successor

51. **CHECKLIST FOR REGULATED UNITS.** OWNER/DEVELOPER agrees that each prospective tenant, prior to rental of a Regulated Unit, shall be required to complete forms required by **Exhibit C**, or OWNER/DEVELOPER'S equivalent as approved in writing by CITY.

[Signatures Next Page]

IN WITNESS WHEREOF, the parties hereto have executed this AGREEMENT as of the Effective Date.

City of Roseville, a municipal corporation:

BY: _____

DOMINICK CASEY
City Manager

Huntington Senior Apartments, a California limited partnership:

BY: _____

PAUL Z. STAMAS
Managing Member
General Partner
Adarte, LLC

AND

BY: _____

SAYED ASGHAR HUSSAIN
Trustee
Co-General Partner
Sayed and Talat Hussain
Revocable Trust

ATTEST:

BY: _____

SONIA OROZCO
City Clerk

APPROVED AS TO FORM:

BY: _____

ROBERT R. SCHMITT
City Attorney

APPROVED AS TO SUBSTANCE:

BY: _____

LAURA MATTEOLI
Economic Development Director

EXHIBIT A
LEGAL DESCRIPTION OF PROPERTY

The land described herein is situated in the State of California, County of Placer, City of Roseville, and is described as follows:

THAT CERTAIN REAL PROPERTY QUITCLAIMED TO SAYED ASGHAR HUSSAIN AND TALAT A. HUSSAIN, TRUSTEES OF THE SAYED AND TALAT HUSSAIN REVOCABLE TRUST, ESTABLISHED JANUARY 19, 2004, AS SAID REAL PROPERTY IS DESCRIBED IN THAT CERTAIN DOCUMENT ENTITLED, "QUITCLAIM DEED" RECORDED AS DOCUMENT NO. 2016-0056501, PLACER COUNTY OFFICIAL RECORDS.

TOGETHER WITH THAT CERTAIN REAL PROPERTY CONVEYED FROM THE CITY OF ROSEVILLE, A MUNICIPAL CORPORATION, TO SAYED ASGHAR HUSSAIN AND TALAT A. HUSSAIN, TRUSTEES OF THE SAYED AND TALAT HUSSAIN REVOCABLE TRUST, ESTABLISHED JANUARY 19, 2004, AS SAID REAL PROPERTY IS DESCRIBED IN THAT CERTAIN DOCUMENT ENTITLED, "GRANT DEED" RECORDED AS DOCUMENT NO. 2019-0033591 AND RE-RECORDED AS DOCUMENT NO. 2020-0001655, PLACER COUNTY OFFICIAL RECORDS ALSO TOGETHER WITH THAT CERTAIN REAL PROPERTY CONVEYED FROM THE CITY OF ROSEVILLE, A MUNICIPAL CORPORATION, TO SAYED ASGHAR HUSSAIN AND TALAT A. HUSSAIN, TRUSTEES OF THE SAYED AND TALAT HUSSAIN REVOCABLE TRUST, ESTABLISHED JANUARY 19, 2004, AS SAID REAL PROPERTY IS DESCRIBED IN THAT CERTAIN DOCUMENT ENTITLED, "GRANT DEED" RECORDED AS DOCUMENT NO. 2020-0064100, PLACER COUNTY OFFICIAL RECORDS. EXCEPTING THEREFROM THAT CERTAIN PROPERTY CONVEYED FROM SAYED ASGHAR HUSSAIN AND TALAT A. HUSSAIN, TRUSTEES OF THE SAYED AND TALAT HUSSAIN REVOCABLE TRUST, ESTABLISHED JANUARY 19, 2004, TO THE CITY OF ROSEVILLE, A MUNICIPAL CORPORATION, AS SAID PROPERTY IS DESCRIBED IN THAT CERTAIN DOCUMENT ENTITLED, "GRANT DEED" RECORDED AS DOCUMENT NO. 2020-0135408, PLACER COUNTY OFFICIAL RECORDS AND DESCRIBED THEREIN AS PARCEL 1, PARCEL 2, AND PARCEL 3.

THE ABOVE DESCRIBED REAL PROPERTY BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF THAT CERTAIN REAL PROPERTY QUITCLAIMED TO SAYED ASGHAR HUSSAIN ND TALAT A HUSSAIN, TRUSTEES OF THE SAYED AND TALAT HUSSAIN REVOCABLE TRUST, ESTABLISHED JANUARY 19, 2004, AS SAID REAL PROPERTY IS DESCRIBED IN THAT CERTAIN DOCUMENT ENTITLED, "QUITCLAIM DEED" RECORDED AS DOCUMENT NO. 2016-0056501, PLACER COUNTY OFFICIAL RECORDS; THENCE FROM THE POINT OF BEGINNING, ALONG THE SOUTHERLY LINES OF SAID REAL PROPERTY THE FOLLOWING THREE (3) COURSES: (1) SOUTH 88°50'52" WEST 193.00 FEET; (2) SOUTH 73°39'42" WEST 72.53 FEET; (3) SOUTH 88°50'52" WEST 89.99 FEET TO THE SOUTHEAST CORNER OF SAID PARCEL 1; THENCE LEAVING SAID SOUTHERLY LINE, ALONG THE EASTERLY LINE OF SAID PARCEL 1, NORTH 01°09'08" WEST 348.18 FEET TO THE MOST SOUTHERLY CORNER OF THAT CERTAIN REAL PROPERTY CONVEYED FROM THE CITY OF ROSEVILLE, A MUNICIPAL CORPORATION, TO SAYED ASGHAR HUSSAIN AND TALAT A. HUSSAIN, TRUSTEES OF THE SAYED AND TALAT HUSSAIN REVOCABLE TRUST, ESTABLISHED JANUARY 19, 2004,

AS SAID REAL PROPERTY IS DESCRIBED IN THAT CERTAIN DOCUMENT ENTITLED, "GRANT DEED" RECORDED AS DOCUMENT NO 2020-0064100, PLACER COUNTY OFFICIAL RECORDS; THENCE LEAVING SAID EASTERLY LINE, CONTINUING ALONG THE NORTHWESTERLY LINES OF SAID REAL PROPERTY THE FOLLOWING THREE (3) COURSES: (1) NORTH 01°09'08" WEST 9.50 FEET; (2) 189.92 FEET ALONG THE ARC OF A TANGENT CURVE TO THE RIGHT, CONCAVE TO THE SOUTHEAST, HAVING A RADIUS OF 173.00 FEET, THROUGH A CENTRAL ANGLE OF 62°54'02" AND BEING SUBTENDED BY A CHORD BEARING NORTH 30°17'53" EAST 180.53 FEET; (3) NORTH 61°44'54" EAST 8.83 FEET TO THE MOST WESTERLY CORNER OF SAID PARCEL 2; THENCE LEAVING SAID NORTHWESTERLY LINES, CONTINUING ALONG THE SOUTHERLY LINES OF SAID PARCEL 2 AND SAID PARCEL 3 THE FOLLOWING FOUR (4) COURSES: (1) NORTH 61°44'54" EAST 17.39 FEET; (2) 40.51 FEET ALONG THE ARC OF A NON-TANGENT CURVE TO THE RIGHT, CONCAVE TO THE SOUTH, HAVING A RADIUS OF 25.00 FEET, THROUGH A CENTRAL ANGLE OF 92°49'54" AND BEING SUBTENDED BY A CHORD BEARING SOUTH 71°54'39" EAST 36.22 FEET; (3) 126.31 FEET ALONG THE ARC OF A NON-TANGENT CURVE TO THE LEFT, CONCAVE TO THE NORTHEAST, HAVING A RADIUS OF 540.00 FEET, THROUGH A CENTRAL ANGLE OF 13°24'05" AND BEING SUBTENDED BY A CHORD BEARING SOUTH 32°16'25" EAST 126.02 FEET; (4) SOUTH 38°58'28" EAST 222.05 FEET TO THE MOST NORTHERLY CORNER OF THAT CERTAIN REAL PROPERTY CONVEYED FROM THE CITY OF ROSEVILLE, A MUNICIPAL CORPORATION, TO SAYED ASGHAR HUSSAIN AND TALAT A. HUSSAIN, TRUSTEES OF THE SAYED AND TALAT HUSSAIN REVOCABLE TRUST, ESTABLISHED JANUARY 19, 2004, AS SAID REAL PROPERTY IS DESCRIBED IN THAT CERTAIN DOCUMENT ENTITLED, "GRANT DEED" RECORDED AS DOCUMENT NO. 2019-0033591 AND RE-RECORDED AS DOCUMENT NO. 2020-0001655, PLACER COUNTY FFICIAL RECORDS; THENCE LEAVING SAID SOUTHERLY LINES, CONTINUING ALONG THE NORTHERLY, EASTERLY AND SOUTHERLY LINES OF SAID REAL PROPERTY THE FOLLOWING THREE (3) COURSES: (1) SOUTH 38°58'28" EAST 32.61 FEET; (2) SOUTH 01°08'44" EAST 183.66 FEET; (3) SOUTH 88°50'52" WEST 20.00 FEET TO THE POINT OF BEGINNING.

CONTAINING 3.356 ACRES, MORE OR LESS

APN: 048-260-048

EXHIBIT B
OCCUPANCY AND RENT RESTRICTIONS

	One Bedroom		Two Bedroom	
Maximum Household Income as Percentage of AMI	Number of Units	Initial Qualifying Rent (Gross)	Number of Units	Initial Qualifying Rent (Gross)
50%	2	$810	1	$971
80%	1	$1295	1	$1554
Non-Rent Restricted On Site Management		N/A		N/A
TOTAL				

EXHIBIT C
CHECKLIST FOR AFFORDABLE RENTAL UNITS

The following documentation must be present in the Tenant's file (in a form approved by the Housing Manager) for an "affordable renter."

____ Certification of Affordable Rental Unit Eligibility Form

____ Calculation of Tenant Eligibility Form

____ Record of Rental Increases

____ Written, third party verification of all income sources, including:

- ____ Employment
- ____ Self-employment (tax return and profit & loss statement for current year)
- ____ Unemployment
- ____ AFDC (Welfare) Benefits
- ____ Child Support
- ____ Alimony
- ____ Social Security Benefits
- ____ Supplemental Security Income (SSK)
- ____ VA or Military Benefits
- ____ Pensions and/or Annuities
- ____ Retirement Funds
- ____ Savings Accounts (Interest Income)
- ____ Checking Accounts
- ____ Government Grants
- ____ Trust Funds
- ____ Stocks & Bonds (Cash Value)
- ____ Life Insurance (Cash Value)

Name _____ **Complex** _____

Title _____ **Date** _____

CERTIFICATION OF RESIDENT ELIGIBILITY

Re: _____ Apt. # _____
Apartment Complex

I/we have read and answered truthfully, fully frankly and personally each of the following questions for all persons who are to occupy the unit being applied for in the above apartment project. Listed below are the names of all persons who intend to reside in the unit (complete sections 1-5 for each household member):

1) Name of Member of the Household	2) Relationship to Head of Household	3) Age	4) Social Security No.	5) Place of Employment (if applicable)

CERTIFICATION OF RESIDENT ELIGIBILITY (cont.)

INCOME COMPUTATION

6) The total anticipated income calculated in accordance with this paragraph 6, of all persons (except children under the age of 18 years) listed above for the 12-month period beginning the date that I/we plan to move into a unit is $_____.

Included in the total anticipated income listed above are:

a. All wages and salaries, overtime pay, commissions, fees and other compensation for personal services, before payroll deductions.

Excluded from such anticipated income are:

a. Casual, sporadic or irregular gifts;

b. Amounts which are specifically for or in reimbursement of medical expenses;

c. Lump sum additions to family assets, such as inheritances, insurance payments (including payments under health and accident insurance and worker's compensation), capital gains and settlements for personal or property losses;

d. Amounts of educational scholarships paid directly to the student or the educational institution and amounts paid by the government to a veteran for use in meeting the costs of tuition, fees, books, and equipment. Any amounts of such scholarships or payments to veterans not used for the above purposes are to be included in income;

e. Hazardous duty pay to a family member in the Armed Forces who is away from home and exposed to hostile fire;

f. Relocation payments under Title II of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970;

g. Foster child care payments;

h. The value of coupon allotments for the purchase of food pursuant to the Food Stamp Act of 1977.

7) This certificate is made with the knowledge that it will be relied upon by the Owner to determine maximum income for eligibility to occupy the unit; and I/we

declare that all information set forth herein is true, correct and complete and based upon information I/we deem reliable and that the statement of total anticipated income contained in paragraph 6 is reasonable and based upon such investigation as the undersigned deemed necessary.

8) I/We will assist the Owner in obtaining any information or documents required to verify the statement made herein, including either an income verification from my/our present employer(s) or copies of federal tax returns for the immediately preceding calendar year.

9) I/We acknowledge that I/we have been advised that the making of any misrepresentation or misstatement in this declaration will constitute a material breach of my/our agreement with the Owner to lease the unit and will entitle the Owner to prevent or terminate my/our occupancy of the unit by institution of an action for eviction or other appropriate proceedings.

I/We declare under penalty of perjury that the foregoing is true and correct.

Executed this _____day of _____in the City of _____California.

_____
Applicant

_____
Applicant

_____
Applicant

_____
Applicant

_____
Applicant

[All persons listed in number 2 above, except children under the age of 18 must sign this form]

CALCULATIONS OF TENANT ELIGIBILITY
FOR AFFORDABLE RENTAL FORM

(FORM COMPLETION BY APARTMENT OWNER OR AGENT)

NAME: _____ UNIT # _____

SOURCE	MONTHLY	ANNUAL
Social Security	$ _____	$ _____
Social Security	$ _____	$ _____
Civil Service	$ _____	$ _____
Pension _____	$ _____	$ _____
Interest _____	$ _____	$ _____
Wages _____	$ _____	$ _____
Tips _____	$ _____	$ _____
Wages _____	$ _____	$ _____
Tips _____	$ _____	$ _____
Child Support	$ _____	$ _____
Welfare	$ _____	$ _____
Stocks/Bonds	$ _____	$ _____
Other _____	$ _____	$ _____
Other _____	$ _____	$ _____
TOTAL INCOME	**$ _____**	**$ _____**
	Monthly base rent	$ _____
	Move-in date	_____

BY

TITLE _____

DATE _____

AFFORDABLE TENANT
RECORD OF RENTAL INCREASES

(FORM COMPLETION BY APARTMENT OWNER OR AGENT)

NAME _____ APT. NO. _____

MOVE-IN DATE _____ INITIAL BASE RENT $_____

ANNUAL INCOME $_____

DATE OF INCREASE	CURRENT RENT		ANNUAL ADJUSTMENT FACTOR		NEW RENT
_____	$_____	X	1._____	=	$_____
_____	$_____	X	1._____	=	$_____
_____	$_____	X	1._____	=	$_____
_____	$_____	X	1._____	=	$_____
_____	$_____	X	1._____	=	$_____
_____	$_____	X	1._____	=	$_____
_____	$_____	X	1._____	=	$_____
_____	$_____	X	1._____	=	$_____
_____	$_____	X	1._____	=	$_____
_____	$_____	X	1._____	=	$_____
_____	$_____	X	1._____	=	$_____
_____	$_____	X	1._____	=	$_____
_____	$_____	X	1._____	=	$_____
_____	$_____	X	1._____	=	$_____
_____	$_____	X	1._____	=	$_____

AFFORDABLE TENANT
RECORD OF RENTAL INCREASES (For Tax Credit Projects Only)

(FOR COMPLETION BY APARTMENT OWNER/DEVELOPER OR AGENT)

NAME: _____ APT. #_____

MOVE-IN DATE: _____

ANNUAL INCOME: _____

INITIAL BASE RENT: _____

DATE OF INCREASE	CURRENT RENT	NEW RENT

COUNCIL COMMUNICATION

CC #: 1242
File #: 0708

Title:	Maidu Park Communications Facility - Standard Tower Attachment License Agreement Amendment
Contact:	Michael Sinor 916-774-5183 msinor@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 7.16.

RECOMMENDATION TO COUNCIL

Recommend City Council adopt a resolution to approve the Second Amendment to a Standard Tower Attachment License Agreement with New Cingular Wireless PCS, LLC, and authorize the City Manager to execute it.

BACKGROUND

The City entered into a Standard Tower Attachment License Agreement with New Cingular Wireless PCS, LLC on January 18, 2006 for constructing, maintaining and operating a communications facility on a light standard at Maidu Park. The first amendment allowed for the attachment of communications equipment. This second amendment allows for the installation of a generator within the equipment area defined by the original agreement.

FISCAL IMPACT

The City currently receives monthly rent in the General Fund for this lease in the amount of $2,139. This amount increases 3% annually. The second amendment does not change the financial terms of the lease.

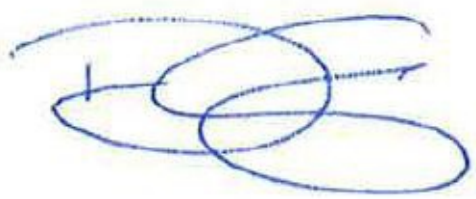
ENVIRONMENTAL REVIEW

The California Environmental Quality Act (CEQA) does not apply to activities that will not result in a direct or reasonably foreseeable indirect physical change in the environment, or is otherwise not considered a project as defined by CEQA Statute §21065 and CEQA State Guidelines §15060(c)(3) and §15378. A Second Amendment to a Mast Installation Lease Agreement meets the above criteria and is not subject to CEQA. No additional environmental review is required.

Respectfully Submitted,

Michael Sinor, Assistant IT Director

Hong Sae, Chief Information Officer



Dominick Casey, City Manager

ATTACHMENTS:

Description

Resolution 21-032

Amendment

RESOLUTION NO. 21-032

APPROVING A SECOND AMENDMENT TO STANDARD TOWER ATTACHMENT LICENSE AGREEMENT, BY AND BETWEEN THE CITY OF ROSEVILLE AND NEW CINGULAR WIRELESS PCS, LLC, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE

WHEREAS, the Second Amendment to Standard Tower Attachment License Agreement for the 1550 Maidu Drive Tower project, by and between the City of Roseville and New Cingular Wireless PCS, LLC, has been reviewed by City Council; and

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Roseville that said agreement is approved and that the City Manager is authorized to execute it on behalf of the City of Roseville.

PASSED AND ADOPTED by the Council of the City of Roseville this_____day of _____, 2021, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk

SECOND AMENDMENT TO
STANDARD TOWER ATTACHMENT LICENSE AGREEMENT
Project: 1550 Maidu Drive Tower

THIS SECOND AMENDMENT TO STANDARD TOWER ATTACHMENT LICENSE AGREEMENT ("Second Amendment") is made and entered into this _____ day of _____, 2020 ("Effective Date"), by and between the City of Roseville, a municipal corporation ("CITY"), and New Cingular Wireless PCS, LLC, a Delaware limited liability company ("LICENSEE"); and

RECITALS

WHEREAS, CITY and LICENSEE previously entered into a Standard Tower Attachment License Agreement dated January 18, 2006 and amended on July 6, 2016 (collectively, the "License Agreement") regarding permission to attach communications equipment onto an existing light standard at Maidu Park in the City of Roseville, County of Placer, State of California [APN: 469-020-005] ("Property"); and

WHEREAS, CITY and LICENSEE desire to amend the License Agreement to allow for the installation of an onsite generator within the Equipment Area as defined in the License Agreement; and

WHEREAS, CITY and LICENSEE desire to extend the term of the License Agreement; and

WHEREAS, CITY and LICENSEE desire to amend the License Agreement to modify the notice section thereof; and

WHEREAS, CITY and LICENSEE desire to further amend the License Agreement as herein below set forth.

NOW, THEREFORE, the parties agree as follows:

1. The first paragraph of Section 5(A) of the License Agreement is amended to read as follows:

"A. Use. LICENSEE shall be permitted, during the term of this License Agreement, to install, maintain and operate an equipment cabinet, shelter or building, antennae, dishes, cabling, emergency power generators, related equipment and enclosures pursuant to Exhibit A; provided that such equipment does not interfere with City's use of its Tower and related equipment. Use and/or installation of on-site power generators by LICENSEE may be permitted with City's written consent, provided that LICENSEE obtains all necessary approvals from City's Planning Department and/or Building Division."

2. In addition to the Extended Terms presently set forth in the License Agreement, Section 3 – Extended Terms, the parties hereby agree to add two (2) additional successive periods of five (5) years each.

3. In addition to the Equipment located within the Licensed Area depicted in Exhibit B to the License Agreement, Licensee may install the additional equipment depicted in Exhibit B-1 attached hereto. Exhibit B-1 shall supplement Exhibit B to the License Agreement.

4. Section 21 of the License Agreement is hereby deleted in its entirety and replaced with the following:

Notices. All notices, requests, demands and communications hereunder will be given by first class certified or registered mail, return receipt requested, or by a nationally recognized overnight courier, postage prepaid, to be effective when properly sent and received, refused or returned undelivered. Notices will be addressed to the parties as follows.

If to CITY:

City of Roseville
Attn: Michael Sinor
Assistant IT Director
316 Vernon Street, Suite 300
Roseville, CA 95678

If to LICENSEE:

New Cingular Wireless PCS, LLC
Attn: TAG - LA
Re: Cell Site # CVL01769
Cell Site Name: Cirby Way – Rocky Ridge Dr. (CA)
Fixed Asset #: 10067275
1025 Lenox Park Blvd. NE
3rd Floor
Atlanta, GA 30319

With copy to:

New Cingular Wireless PCS, LLC
Attn: Legal Department
Re: Cell Site # CVL01769
Cell Site Name: Cirby Way – Rocky Ridge Dr. (CA)
Fixed Asset #: 10067275
208 S. Akard Street
Dallas, Texas, 75202-4206

The copy sent to the Legal Department is an administrative step which alone does not constitute legal notice. Either party hereto may change the place for the giving of notice to it by thirty (30) days prior written notice to the other as provided herein.

(signature page immediately follows)

5. All other provisions of the License Agreement shall remain unchanged.

IN WITNESS WHEREOF, the City of Roseville, a municipal corporation, has authorized the execution of this Second Amendment to the License Agreement in duplicate by its City Manager and attested to by its City Clerk under the authority of Resolution No. _____, adopted by the Council of the City of Roseville on the _____ day of _____, 2020, and LICENSEE has caused this Second Amendment to the License Agreement to be executed as of the date set forth below the signature of LICENSEE.

CITY OF ROSEVILLE, a
municipal corporation

BY: _____
DOMINICK CASEY
City Manager

ATTEST:

BY: _____
SONIA OROZCO
City Clerk

APPROVED AS TO FORM:

BY: _____
ROBERT SCHMITT
City Attorney

APPROVED AS TO SUBSTANCE:

BY: _____
HONG SAE
Chief Information Officer

NEW CINGULAR WIRELESS PCS, LLC,
a Delaware limited liability company
By: AT&T Mobility Corporation
Its: Manager

BY: Vani Muller
Vani Muller
Its: Manager
Real Estate & Construction

Exhibit B-1
(See attached construction drawings – 17 pages)

00002

CIRBY WAY - ROCKY RIDGE DR
FA#: 10067275

GENERATOR INSTALLATION PROJECT
30KW GENERAC DIESEL GENERATOR

1550 MAIDU DRIVE
ROSEVILLE, CA 95661

SITE INFORMATION:

SITE ADDRESS:	1550 MAIDU DRIVE ROSEVILLE, CA 95661
COUNTY:	PLACER
COORDINATES:	38.73433° / -121.24877° (FOR NAVIGATION ONLY)
PROPERTY LANDLORD OR OWNER:	CITY OF ROSEVILLE
TAX ID #:	469-020-005
ZONING:	PARKS AND RECREATION
OCCUPANCY GROUP:	U - UNMANNED
CONSTRUCTION TYPE:	II-B
POWER COMPANY:	ROSEVILLE ELECTRIC
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION

DO NOT SCALE DRAWINGS:

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR THE SAME.

CONTACT INFORMATION:

APPLICANT:	AT&T MOBILITY 1375 CAMINO REAL STE 120 SAN BERNARDINO, CA 92408 PHONE: 951.534.8987
PROJECT MANAGER:	GENERAL DYNAMICS WIRELESS SERVICES, LLC. 19240 DES MOINES DR. S. BLDG C STE 300 SEA TAC, WA 98048 PHONE: 425.606.8785 CONTACT: CHRISTOPHER HERMAN
LEASING / PERMITTING:	JT LAND MANAGEMENT 10615 QUAIL HOLLOW LANE REDDING, CA 96003 PHONE: 530.722.0743 CONTACT: FRANK SCHABARUM
ARCHITECTURE & ENGINEERING:	GEOSTRUCTURAL, LLC. PO BOX 2621 BOISE, ID 83701 PHONE: 530.539.4787 CONTACT: DON GEORGE

VICINITY MAP:



AREA MAP:



APPROVALS :

AT&T MANAGER	
CONSTRUCTION MANAGER	
SITE ACQ. MANAGER	
PROPERTY OWNER	
LANDLORD	

SCOPE OF WORK:

INSTALL (1) GENERAC STANDBY DIESEL GENERATOR (GENERAC SD030) WITH BASE FUEL TANK ON CONCRETE PAD AND 200A ATS / CAMLOCK (GENERAC TAS200) WITHIN COMPOUND NEAR EXISTING AT&T EQUIPMENT AREA. INSTALL A TWO-FOOT VERTICAL FENCE EXTENSION.

INTEGRATE NEW GENERATOR WITH EXISTING SERVICE.

NOTE: NO CHANGES OR ALTERATIONS TO THE TOWER, MOUNTS, ANTENNAS, FEEDLINES, ETC. IS PROPOSED AS A PART OF THIS SCOPE OF WORK.

DIG LINE:

THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURES, ABOVE GROUND STRUCTURES, AND/OR EXISTING UTILITIES BELIEVED TO BE IN THE WORKING AREA. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL UTILITIES, PIPELINES AND OTHER STRUCTURES SHOWN OR NOT SHOWN ON THESE PLANS.

ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AND ENGINEER AT THE CONTRACTOR'S EXPENSE.

811 Know what's below. CALL before you dig.

CODE COMPLIANCE:

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF ALL GOVERNING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS ARE TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

- CALIFORNIA BUILDING CODE (CBC) 2019
- CALIFORNIA ELECTRICAL CODE 2019
- CALIFORNIA MECHANICAL CODE 2019
- CALIFORNIA FIRE CODE (CFC) 2019
- INTERNATIONAL BUILDING CODE (IBC) 2018
- NATIONAL ELECTRICAL CODE (NEC) 2017
- NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 13, 30, 37, 70, 72, 110, 111
- AMERICAN CONCRETE INSTITUTE (ACI) 318
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
- TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222
- TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 607

SHEET INDEX:

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A-1	OVERALL SITE PLAN
A-2	ENLARGED SITE PLAN
A-3.0, A-3.1	ELEVATION VIEWS
S-1	GENERATOR PAD DETAILS & STRUCTURAL NOTES
S-2	GENERAL STRUCTURAL DETAILS
E-1	ELECTRICAL DETAILS
E-2	ELECTRICAL DETAILS
E-3	ELECTRICAL DETAILS
E-4.0	GENERATOR SPECIFICATIONS
E-4.1	GENERATOR SPECIFICATIONS
E-4.2	GENERATOR SPECIFICATIONS
E-5.0	ATS SPECIFICATIONS
E-5.1	CAM-LOCK BOX SPECIFICATIONS

at&t

GENERAL DYNAMICS
Information Technology

GEOSTRUCTURAL
PO BOX 2621, BOISE, ID 83701
530.539.4787
CONTACT@GEOSTRUCTURAL.COM
WWW.GEOSTRUCTURAL.COM

REVISIONS

REV	DATE	DESCRIPTION	INT
1	07/01/20	FENCE EXTENSION	GD
0	05/04/20	ISSUED FOR CONSTRUCTION	JCM

CHECKED BY: GGD

THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO THE CLIENT NAMED IS STRICTLY PROHIBITED.

REGISTERED PROFESSIONAL ENGINEER
DONALD WILLIAM GEORGE
C 62222
EXP. 09/30/21
CIVIL
STATE OF CALIFORNIA

SITE INFORMATION:
CIRBY WAY - ROCKY RIDGE DR
10067275
GENERATOR INSTALLATION PROJECT
1550 MAIDU DRIVE
ROSEVILLE, CA 95661

APPROVED BY THE CITY OF ROSEVILLE
CALIFORNIA
PLANNING DIVISION

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

NOTES TO SUBCONTRACTOR:

1. THE GENERAL SUBCONTRACTOR MUST VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS BEFORE PROCEEDING WITH THE WORK. ALL DISCREPANCIES SHALL BE RESOLVED BEFORE PROCEEDING WITH THE WORK. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH ACCEPTED CONSTRUCTION PRACTICES.

2. IT IS THE INTENTION OF THESE DRAWINGS TO SHOW THE COMPLETED INSTALLATION. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING, SHORING, TIES, FORM WORK, ETC. IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL ORDINANCES, TO SAFELY EXECUTE ALL WORK AND SHALL BE RESPONSIBLE FOR SAME. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES.

3. THE SUBCONTRACTOR SHALL USE ADEQUATE NUMBER OF SKILLED WORKMAN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHOD NEEDED FOR PROPER PERFORMANCE OF THE WORK.

4. SUBCONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION SUBCONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND SUBCONTRACTOR FURTHER AGREES TO INDEMNIFY AND HOLD DESIGN ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH PERFORMANCE OF WORK ON THIS PROJECT.

5. SITE GROUNDING SHALL COMPLY WITH AT&T WIRELESS SERVICES TECHNICAL SPECIFICATIONS FOR FACILITY GROUNDING FOR CELL SITE STANDARDS, LATEST EDITION, AND COMPLY WITH AT&T TOWERS GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN.

6. ALL WORK SHALL COMPLY WITH OSHA AND STATE SAFETY REQUIREMENTS. PROCEDURES FOR THE PROTECTION OF EXCAVATIONS, EXISTING CONSTRUCTION AND UTILITIES SHALL BE ESTABLISHED PRIOR TO FOUNDATION INSTALLATION.

7. ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL CODES OR ORDINANCES. THE MOST STRINGENT CODE WILL APPLY IN THE CASE OF DISCREPANCIES OR DIFFERENCES IN THE CODE REQUIREMENTS.

8. ANY DAMAGE TO THE ADJACENT PROPERTIES WILL BE CORRECTED AT THE SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE LANDOWNER AND THE CONSTRUCTION MANAGER.

9. THE COMPLETE BID PACKAGE INCLUDES THESE CONSTRUCTION DRAWINGS ALONG WITH THE SPECIFICATIONS. SUBCONTRACTOR IS RESPONSIBLE FOR REVIEW OF TOTAL BID PACKAGE PRIOR TO BID SUBMITTAL.

10. SUBCONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES WITHIN CONSTRUCTION LIMITS PRIOR TO CONSTRUCTION.

11. THE SUBCONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE ON THE SITE AT ALL TIMES. SILT AND EROSION CONTROL SHALL BE MAINTAINED ON THE DOWNSTREAM SIDE OF THE SITE AT ALL TIMES. ANY DAMAGE TO ADJACENT PROPERTIES WILL BE CORRECTED AT THE SUBCONTRACTOR'S EXPENSE.

12. CLEARING OF TREES AND VEGETATION ON THE SITE SHOULD BE HELD TO A MINIMUM. ONLY THE TREES NECESSARY FOR CONSTRUCTION OF THE FACILITIES SHALL BE REMOVED. ANY DAMAGE TO THE PROPERTY OUTSIDE THE LEASED PROPERTY SHALL BE REPAIRED BY THE SUBCONTRACTOR.

13. ALL SUITABLE BORROW MATERIAL FOR BACK FILL OF THE SITE SHALL BE INCLUDED IN THE BID. EXCESS TOPSOIL AND UNSUITABLE MATERIAL SHALL BE DISPOSED OF OFF SITE AT LOCATIONS APPROVED BY GOVERNING AGENCIES PRIOR TO DISPOSAL.

14. PERMITS: THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND INCURRING THE COST OF ALL REQUIRED PERMITS, INSPECTIONS, CERTIFICATES, ETC.

15. RECORD DRAWINGS: MAINTAIN A RECORD OF ALL CHANGES, SUBSTITUTIONS BETWEEN WORK AS SPECIFIED AND INSTALLED. RECORD CHANGES ON A CLEAN SET OF CONTRACT DRAWINGS WHICH SHALL BE TURNED OVER TO THE CONSTRUCTION MANAGER UPON COMPLETION OF THE PROJECT.

16. THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURES, ABOVE GROUND STRUCTURES AND/OR EXISTING UTILITIES BELIEVED TO BE IN THE WORKING AREA. IT IS THE RESPONSIBILITY OF THE SUBCONTRACTOR TO VERIFY ALL UTILITIES, PIPELINES AND OTHER STRUCTURES SHOWN OR NOT SHOWN ON THESE PLANS. THE SUBCONTRACTOR SHALL CONTACT THE LOCAL LOCATE SERVICE BEFORE DIGGING OR DRILLING. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AND ENGINEER AT THE SUBCONTRACTOR'S EXPENSE.

REQUIRED SPECIAL INSPECTIONS:

1. PER CBC 1705.1.1 PERIODIC SPECIAL INSPECTION OF POST-INSTALLED ANCHORS.
2. PER CBC 1705.12.6 PERIODIC SPECIAL INSPECTION OF ANCHORAGE FOR STANDBY POWER SYSTEMS.
3. PER CBC 1705.4 SPECIAL INSPECTION OF MASONRY. (IF REQUIRED)

GENERAL PROJECT NOTES:

1. THIS PROPOSAL IS FOR THE ADDITION OF A NEW GENERATOR ON A NEW CONCRETE PAD TO AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY CONSISTING OF AN EQUIPMENT SHELTER/PLATFORM AND TOWER.

2. THE PROPOSED FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE.

3. THE PROPOSED FACILITY IS UNMANNED AND IS NOT FOR HUMAN HABITAT. (NO HANDICAP ACCESS IS REQUIRED)

4. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH BY AT&T TECHNICIANS.

5. OUTDOOR STORAGE AND SOLID WASTE CONTAINERS ARE NOT PROPOSED.

6. ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

7. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY THE CONSTRUCTION OPERATION.

8. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTION REQUIRED FOR CONSTRUCTION.

9. SUBCONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.

ELECTRICAL NOTES:

A. GENERAL

1. COORDINATE LOCATION AND POWER REQUIREMENTS OF ALL EQUIPMENT WITH AT&T AND EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.

2. COORDINATE LOCATION AND REQUIREMENTS FOR ELECTRICAL AND TELEPHONE SERVICES WITH THE PROPERTY REPRESENTATIVE, AT&T AND UTILITY COMPANIES. ROUTING OF CONDUITS MAY BE MODIFIED TO MEET SITE REQUIREMENTS. EXACT CONDUIT ROUTING TO BE DETERMINED IN THE FIELD.

3. ALL WIRING AND EQUIPMENT SHOWN ON ELECTRICAL SHEETS SHALL BE FURNISHED AND INSTALLED UNDER ELECTRICAL PORTION OF CONTRACT UNLESS OTHERWISE NOTED

4. UNINTERRUPTED ELECTRICAL SERVICE FOR EXISTING EQUIPMENT SHALL BE MAINTAINED DURING THE INSTALLATION OF THE WORK DESCRIBED UNDER THESE DOCUMENTS. TEMPORARY EQUIPMENT, CABLES AND WHATEVER ELSE IS NECESSARY SHALL BE PROVIDED AS REQUIRED TO MAINTAIN ELECTRICAL SERVICE. TEMPORARY SERVICE FACILITIES, IF REQUIRED AT ANY TIME, SHALL NOT BE DISCONNECTED OR REMOVED UNTIL NEW SERVICE EQUIPMENT IS IN PROPER OPERATION. IF ANY SERVICE OR SYSTEM MUST BE INTERRUPTED, THE CONTRACTOR SHALL REQUEST PERMISSION IN WRITING STATING THE DATE, TIME, ETC. THE SERVICE WILL BE INTERRUPTED AND THE AREAS AFFECTED. THIS REQUEST SHALL BE MADE IN SUFFICIENT TIME FOR PROPER ARRANGEMENTS TO BE MADE. WRITTEN PERMISSION SHALL BE OBTAINED FROM THE OWNER BEFORE INTERRUPTING ELECTRICAL SERVICE.

5. COORDINATE NEW WORK WITH OTHER TRADES AND VERIFY EXISTING CONDITIONS TO AVOID INTERFERENCE. IN CASE OF INTERFERENCE, AT&T'S REPRESENTATIVE WILL DECIDE WHICH WORK IS TO BE RELOCATED, REGARDLESS OF WHICH WAS FIRST INSTALLED.

6. THE INSTALLATION MUST COMPLY WITH NEC AND ALL FEDERAL, STATE AND LOCAL RULES AND REGULATIONS.

7. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND EQUIPMENT UNLESS OTHERWISE DEFINED BY DIMENSIONS OR DETAILS. EXACT EQUIPMENT LOCATIONS AND RACEWAY ROUTING SHALL BE GOVERNED BY ACTUAL FIELD CONDITIONS AND/OR DIRECTIONS FROM AT&T'S REPRESENTATIVE.

8. CONTRACTOR SHALL PAY ALL PERMITS AND FEES REQUIRED.

9. ALL MATERIALS SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE STANDARDS REFERENCED BELOW:
   a. ANSI (AMERICAN NATIONAL STANDARDS INSTITUTE)
   b. ASTIM (AMERICAN SOCIETY FOR TESTING MATERIALS)
   c. ETL (ELECTRICAL TESTING LABORATORY)
   d. ICEA (INSULATED CABLE ENGINEERS ASSOCIATION)
   e. IEEE (INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS)
   f. MBFU (NATIONAL BOARD OF FIRE UNDERWRITERS)
   g. NESC (NATIONAL ELECTRICAL SAFETY CODE)
   h. NEMA (NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION)
   I. NFPA (NATIONAL FIRE PROTECTION ASSOCIATION)
   j. UL (UNDERWRITER'S LABORATORY)
   k. NEC (NATIONAL ELECTRICAL CODE)

10. CONTRACTOR SHALL REVIEW PLANS, DETAILS AND SPECIFICATIONS IN DETAIL AND ADJUST WORK TO CONFORM WITH ACTUAL SITE CONDITIONS SO THAT ELECTRICAL DEVICES AND EQUIPMENT WILL BE LOCATED AND READILY ACCESSIBLE. QUANTITIES LISTED IN MATERIAL LISTS ON THE DRAWINGS ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL PROVIDE HIS OWN TAKEOFF FOR MATERIAL QUANTITY AND TYPES BASED ON ACTUAL SITE CONDITIONS, IN ADDITION, CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS TO INSTALL EQUIPMENT FURNISHED BY AT&T OR ITS SUPPLIERS. ALL ITEMS NOT SPECIFICALLY MENTIONED HEREIN OR SHOWN ON THE DRAWINGS, BUT WHICH ARE OBVIOUSLY NECESSARY TO MAKE A COMPLETE WORKING INSTALLATION, SHALL BE INCLUDED.

11. THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) AT&T'S REPRESENTATIVE OF ANY CONFLICTS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.

ELECTRICAL NOTES:

12. ALL FLOORS WHERE PENETRATIONS ARE REQUIRED IN BUILDING ARE TO BE CORE DRILLED AND THEN FIREPROOFED.

B. WIRING/CONDUIT

1. PROVIDE PULL BOXES AND JUNCTION BOXES WHERE SHOWN OR AS REQUIRED BY CODE SUCH THAT NO MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREES TOTAL) EXIST IN A CONDUIT RUN.

2. ALL POWER AND CONTROL/INDICATION WIRING SHALL BE TYPE THHN/THWN 600V RATED 75 DEGREES CELSIUS, UNLESS NOTED OTHERWISE.

3. CONDUIT BENDS SHALL BE MADE IN ACCORDANCE WITH NEC TABLE 348-10. NO RIGHT ANGLE DEVICE OTHER THAN STANDARD CONDUIT ELBOWS WITH 12" MINIMUM INSIDE SWEEPS FOR ALL CONDUITS 2" OR LARGER.

4. POWER WIRING SIZE SHALL NOT BE SMALLER THAN #12 AWG.

5. ALL WIRING SHALL BE COPPER. ALUMINUM WILL NOT BE ACCEPTABLE ALL POWER CIRCUITS SHALL CONTAIN A GROUND WIRE.

6. PHASE MARKINGS TO BE USED AT POWER CONDUCTOR TERMINATIONS.

7. CONTRACTOR SHALL ENSURE INTEGRITY IS MAINTAINED WHEN INSTALLING CONDUIT AND WIRING.

8. INSTALL PULL STRING IN ALL CONDUIT.

9. FOR ROOFTOP INSTALLS AND BUILD-OUTS, CONDUITS INSIDE BUILDING AND ON ROOF SHALL BE RGS, UNLESS OTHERWISE NOTED, FOR RAW LAND SITES AND CO-LOCATES, PVC SCHEDULE 80 SHALL BE UTILIZED UNLESS NOTED OTHERWISE.

10. MAINTAIN MINIMUM 1'-0" VERTICAL AND 1'-0" HORIZONTAL SEPARATIONS FROM ANY MECHANICAL GAS PIPING.

11. ALL WIRING ROUTED IN PLENUM TO BE RATED OR IN METALLIC FLEX (LIQUIDTITE) CONDUIT.

C. EQUIPMENT

1. EQUIPMENT/PARTS CONNECTED TO EXISTING PANELS, DUCTS, ETC. SHALL MATCH THE CHARACTERISTICS (A/C, V, A) OF THAT EQUIPMENT.

2. ALL ELECTRICAL EQUIPMENT OUTSIDE SHALL BE NEMA 3R RATED.

D. GROUNDING

1. ALL GROUND CONNECTIONS TO BUILDING SHALL BE MADE USING TWO-HOLE CONNECTORS. PROVIDE STAINLESS STEEL BOLTS AND LOCK WASHERS ON ALL MECHANICAL GROUND CONNECTIONS.

2. ALL EQUIPMENT SURFACES TO BE BONDED TO GROUNDING SYSTEM SHALL BE STRIPPED OF ALL PAINT AND DIRT AT ANY POINT OF CONNECTION. CONNECTIONS TO VARIOUS METALS SHALL BE OF A TYPE AS TO PREVENT A GALVANIC OR CORROSIVE REACTION. AREA SHALL BE REPAINTED FOLLOWING BONDING.

3. ANY METALLIC ITEM WITHIN 6' OF ANY EQUIPMENT OR METALLIC INFRASTRUCTURE (RACKS, CABLE TRAY., ETC.) OR GROUND CONDUCTORS MUST BE CONNECTED TO THE GROUNDING SYSTEM PER AT&T STANDARDS.

4. EXTERIOR, ABOVE GRADE GROUND CONNECTIONS SHALL BE FURNISHED WITH A LIBERAL PROTECTIVE COATING OF ANTI-OXIDATION COMPOUND.

5. ALL MATERIALS AND LABOR REQUIRED FOR THE GROUNDING SYSTEM AS INDICATED ON THE PLANS AND DETAILS, AND AS DESCRIBED HEREIN SHALL BE FURNISHED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.

6. EXACT LOCATION OF GROUND CONNECTION POINTS SHALL BE DETERMINED IN FIELD. ADJUST LOCATIONS INDICATED ON PLANS ACCORDING TO ACTUAL EQUIPMENT LOCATIONS TO KEEP THE GROUND CONNECTION CABLES AS SHORT AND STRAIGHT AS PRACTICAL.

7. PROVIDE ALL ELECTRICAL SYSTEM AND EQUIPMENT GROUNDS AS REQUIRED BY THE CURRENT EDITION OF THE NATIONAL ELECTRIC CODE, THE CURRENT EDITION OF THE NATIONAL ELECTRICAL SAFETY CODE AND AT&T STANDARDS. BONDING JUMPERS WITH APPROVED GROUND FITTINGS SHALL BE INSTALLED AT ALL RACEWAYS, EQUIPMENT ENCLOSURES, PULL BOXES, ETC. TO MAINTAIN GROUND CONTINUITY WHERE REQUIRED BY CODE.

8. ALL BURIED EQUIPMENT GROUND CONDUCTORS SHALL BE #2 AWG BARE, TINNED, SOLID COPPER UNLESS NOTED OTHERWISE ON THE DRAWINGS.

E. INSPECTION/DOCUMENTATION

1. THE CONTRACTOR, UPON COMPLETION OF HIS WORK, SHALL PROVIDE AS-BUILT DRAWINGS. INFORMATION SHOULD BE GIVEN TO THE GENERAL CONTRACTOR FOR INCLUSION IN FINAL AS-BUILT SURVEY DOCUMENTS TO BE GIVEN TO THE OWNER.

2. CONTRACTOR SHALL SUPPLY DOCUMENTATION ATTESTING TO THE COMPLETE GROUND SYSTEM'S RESISTANCE TO GROUND (MAX. 5 OHMS).

3. AN ELECTRICAL INSPECTION SHALL BE MADE BY AN INSPECTING AGENCY APPROVED BY AT&T'S REPRESENTATIVE. CONTRACTOR SHALL COORDINATE ALL INSPECTIONS AND OBTAIN POWER COMPANY APPROVAL.

4. CONTRACTOR SHALL HAVE ATS AND GENERATOR RELAY INSTALLATION AND CONNECTIONS INSPECTED BY OTHERS TO ENSURE THAT UL LISTING FOR THAT EQUIPMENT IS NOT VOIDED.

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REGISTERED PROFESSIONAL ENGINEER
DONALD WILLIAM GEORGE
C 62222
EXP. 09/30/21
CIVIL
STATE OF CALIFORNIA

SITE INFORMATION:

CIRBY WAY - ROCKY RIDGE DR

10067275

GENERATOR INSTALLATION PROJECT

1550 MAIDU DRIVE
ROSEVILLE, CA 95661

JURISDICTION USE:

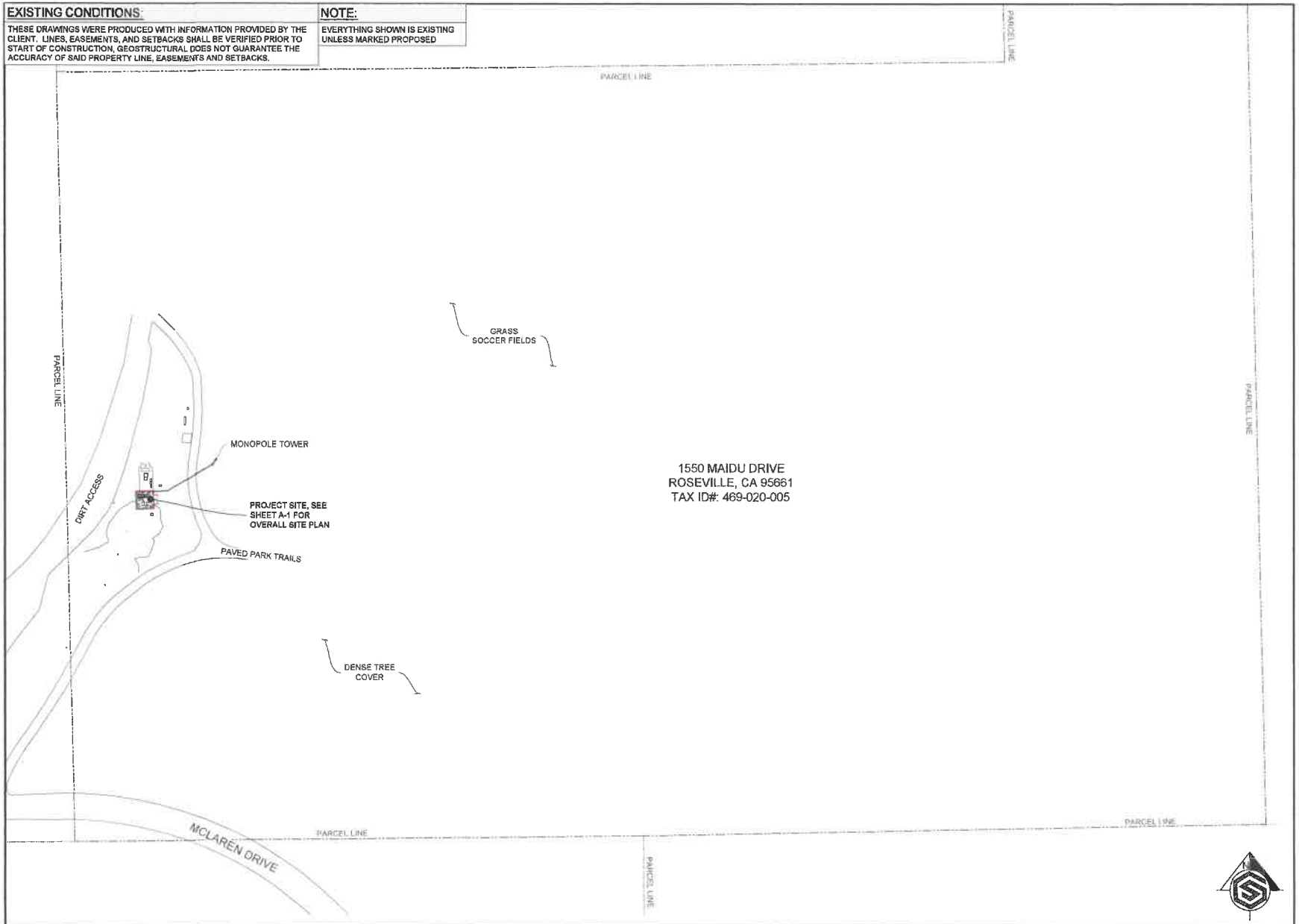
SHEET TITLE:

GENERAL NOTES

SHEET NUMBER:

N-1

EXISTING CONDITIONS:	NOTE:
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PARCEL SITE PLAN

SCALE: 1" = 100'-0" (11x17)

1

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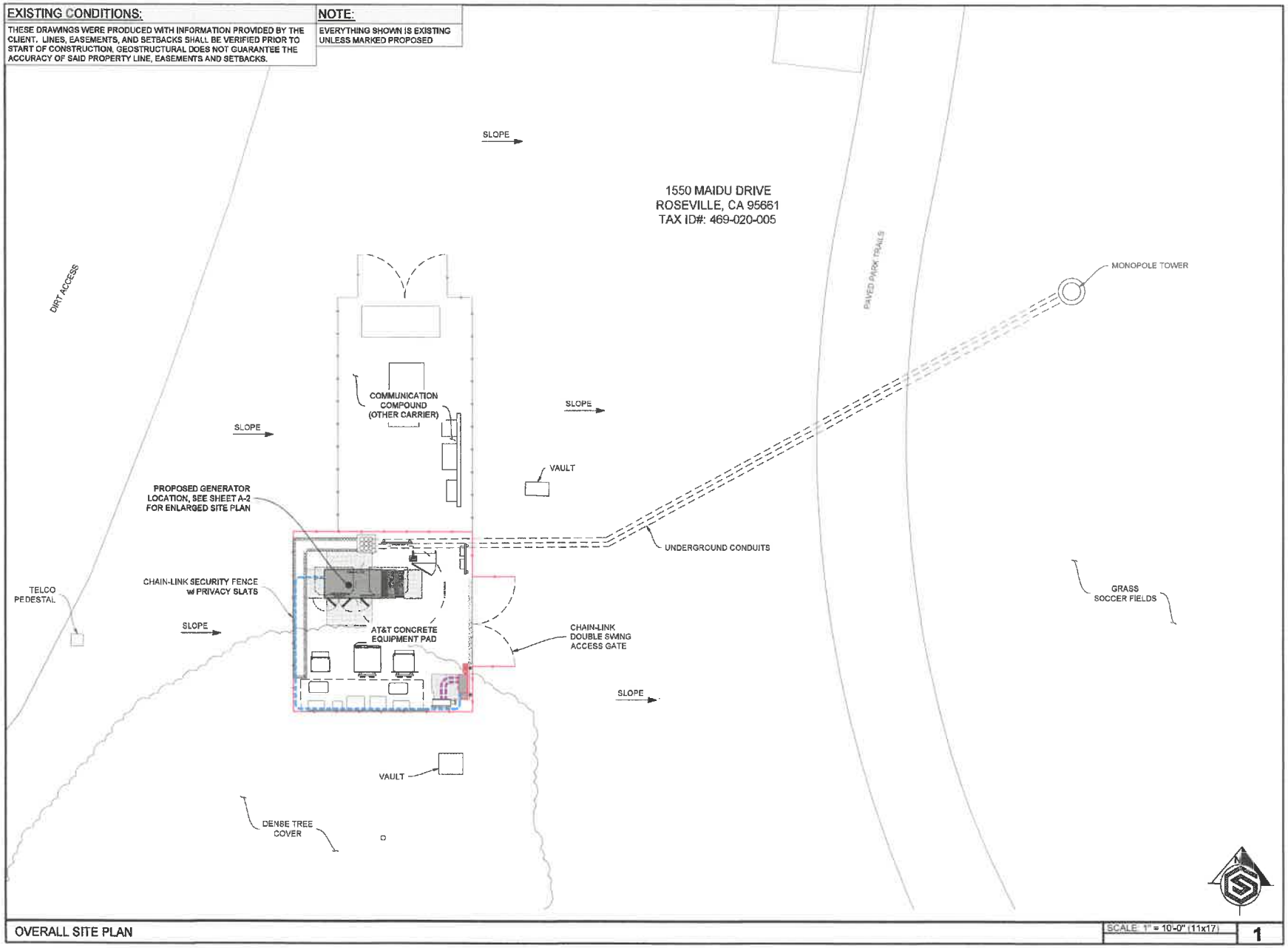
SITE INFORMATION:
CIRBY WAY - ROCKY RIDGE DR
10067275
GENERATOR INSTALLATION PROJECT
1550 MAIDU DRIVE
ROSEVILLE, CA 95661

JURISDICTION USE:

SHEET TITLE:
PARCEL SITE PLAN

SHEET NUMBER:
A-0

EXISTING CONDITIONS:	NOTE:
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OVERALL SITE PLAN

SCALE: 1" = 10'-0" (11x17)

1

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ROSEVILLE, CA 95661

JURISDICTION USE:

SHEET TITLE:
OVERALL SITE PLAN

SHEET NUMBER:
A-1

UTILITY NOTE:

THE UTILITIES AS SHOWN ON THIS SET OF DRAWINGS WERE DEVELOPED FROM RECORD INFORMATION. THE INFORMATION PROVIDED IS IMPLIED NOT INTENDED TO BE A COMPLETE INVENTORY OF THE UTILITIES IN THIS AREA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UTILITIES (WHETHER SHOWN OR NOT) AND PROTECT SAID UTILITIES FROM ANY DAMAGE CAUSED BY CONTRACTOR'S ACTIVITIES.

EXISTING CONDITIONS:

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SCOPE OF WORK DETAILS:

GENERAL:

- NEW GENERAC DIESEL GENERATOR PROVIDED BY GENERAL DYNAMICS & INSTALLED BY GENERAL CONTRACTOR. SEE SHEETS E-4.0, E-4.1, E-4.2.
- NEW GENERAC AUTOMATIC TRANSFER SWITCH PROVIDED BY GENERAL DYNAMICS & INSTALLED BY CONTRACTOR. SEE SHEETS S-2, E-5.0, E-5.1.
- CONTRACTOR TO VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL RESTORE & REPAIR ANY DAMAGED AREAS CAUSED BY CONSTRUCTION TO ORIGINAL OR BETTER CONDITION.
- INNER AND OUTER TANK TESTING DOCUMENTATION SHALL BE PROVIDED ONCE TANK IS IN PLACE ON SITE IN ACCORDANCE WITH NFPA 30.
- A CALIBRATION CHART OF PERMANENT AND DURABLE CONSTRUCTION SHALL BE LOCATED AT THE FILL BOX.

CONDUITS:

- INSTALL PULL STRING IN EACH CONDUIT.
- (1) NEW 2" AND (1) NEW 1" ELECTRICAL CONDUIT WITH CONDUCTORS TO BE INSTALLED FROM NEW GENERATOR TO NEW ATS. CONDUIT PROVIDED AND INSTALLED BY GENERAL CONTRACTOR. SEE SHEETS E-1, E-2.
- (2) NEW 1" ELECTRICAL CONDUITS WITH CONDUCTORS TO BE INSTALLED FROM NEW GENERATOR TO AC PANEL. CONDUIT PROVIDED & INSTALLED BY GENERAL CONTRACTOR. SEE SHEETS E-1, E-2.
- (1) NEW 1" ALARM CONDUIT & CABLING PROVIDED & INSTALLED BY GENERAL CONTRACTOR. SEE SHEETS E-1, E-2.

GROUNDING:

- NEW EXOTHERMIC CONNECTION FROM EXISTING GROUND RING TO NEW MECHANICAL CONNECTION AT GENERATOR CHASSIS. GENERAL CONTRACTOR TO VERIFY LOCATION IN FIELD. LOCATE GROUND RODS NO MORE THAN 8'-0" APART. SEE SHEET E-3.

H-FRAME:

- CONTRACTOR TO PROVIDE NEW H-FRAME FOR ATS INSTALLATION (IF REQUIRED). MATCH EXISTING H-FRAME MATERIAL FOR CONSTRUCTION OF NEW H-FRAME. SEE SHEET S-2.

POWER ROUTING KEYED NOTES:

INT	INTERCEPT EXISTING CONDUIT AND CONDUCTORS AND RE-ROUTE RIGID CONDUIT THROUGH PROPOSED ATS (~10'). COORDINATE PATH WITH CONSTRUCTION MANAGER
AC	EXISTING AC LOAD CENTER
CON	PROPOSED AT&T RIGID CONDUIT ROUTE (~40'). ATTACH CONDUIT TO TOP SURFACE OF CONCRETE. MARK WITH HAZARD PAINT. SEE SHEETS E-1, E-2.

SEE SHEET E-1 FOR SINGLE LINE DIAGRAM.

GENERATOR KEYED NOTES:

GEN	PROPOSED AT&T 30KW DIESEL GENERATOR W/ SOUND ATTENUATED ENCLOSURE, NORMAL/EMERGENCY TANK VENTING AND BASE FUEL TANK ON A CONCRETE PAD. SEE SHEETS S-1, S-2, E-3.
F	FUEL FILL SHALL BE PROVIDED WITH SPILL CONTROL, WITH A SOLID FILL CONNECTION, AND WITH OVERFILL PREVENTION
FV	FUEL TANK NORMAL AND EMERGENCY VENTS SHALL TERMINATE AT LEAST 12'-0" ABOVE THE ADJACENT GRADE. SEE SHEET S-2
P	NFPA 704 PLACARD AND OTHER SIGNAGE. SEE SHEET S-2.

ATS / EQUIPMENT KEYED NOTES:

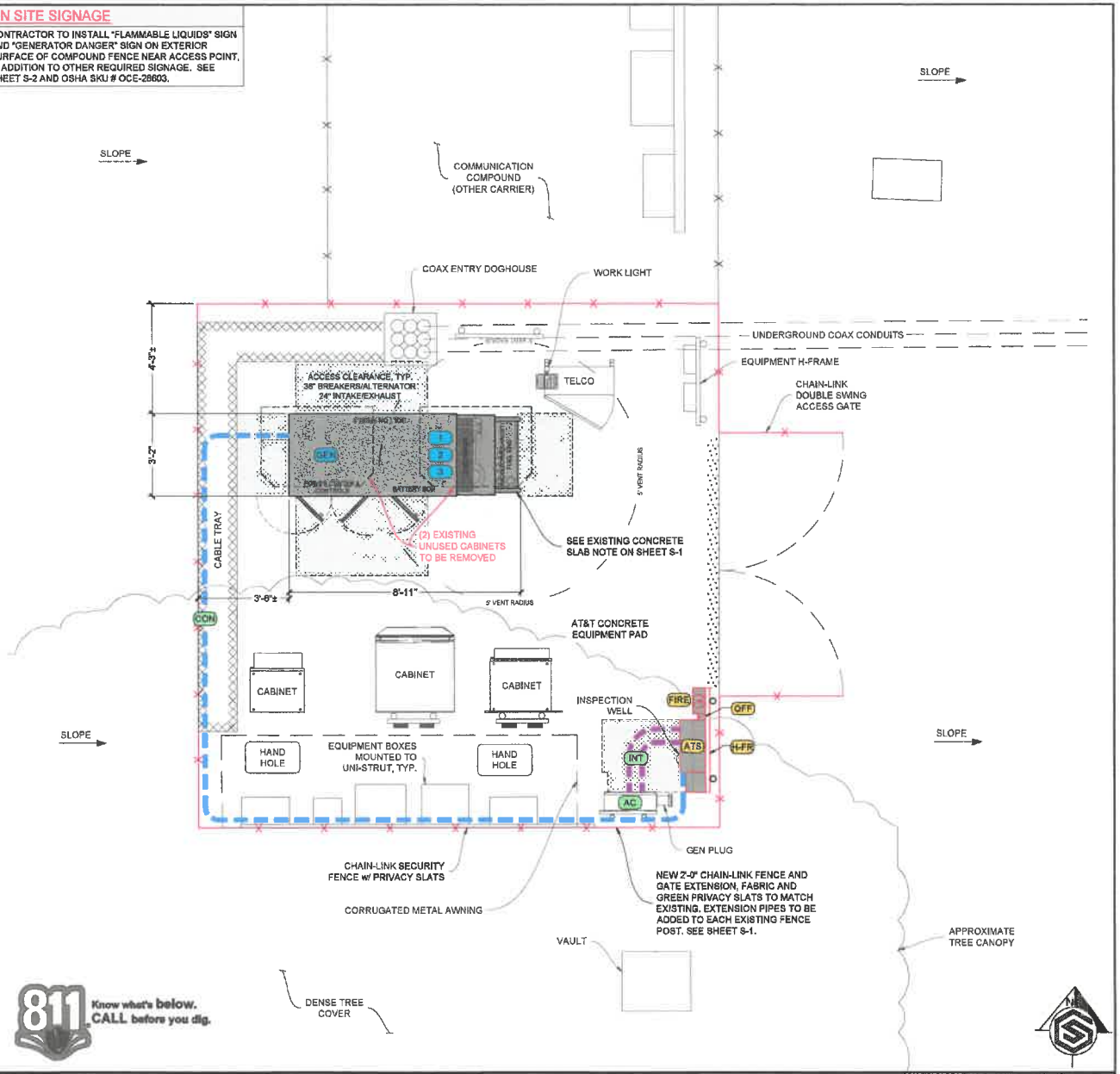
FIRE	-FIRE EXTINGUISHER, (2A-20BC OR APPROVED EQUAL) PER CFC 906.3 -FIRE EXTINGUISHER CABINET (BFC-7009 OR APPROVED EQUAL), MOUNT TO BUILDING WALL OR H-FRAME PER CFC 906.9 (5'-0" MAX. ABOVE GRADE)
OFF	EMERGENCY SHUTOFF SWITCH, MOUNT TO BUILDING WALL OR H-FRAME PER CFC 906.9 (5'-0" MAX. ABOVE GRADE)
ATS	PROPOSED ATS W/ CAMLOCK MOUNTED ON NEW H-FRAME UNISTRUT RAILS WITH 36" FRONT CLEARANCE. SEE SHEET S-2.
H-FR	PROPOSED H-FRAME WITH UNISTRUT RAILS, SEE SHEET S-2.

NOTE:

EVERYTHING SHOWN IS EXISTING UNLESS MARKED PROPOSED

ON SITE SIGNAGE

CONTRACTOR TO INSTALL "FLAMMABLE LIQUIDS" SIGN AND "GENERATOR DANGER" SIGN ON EXTERIOR SURFACE OF COMPOUND FENCE NEAR ACCESS POINT. IN ADDITION TO OTHER REQUIRED SIGNAGE. SEE SHEET S-2 AND OSHA SKU # OCE-28603.



811 Know what's below. CALL before you dig.

ENLARGED SITE PLAN

SCALE: 1/4" = 1'-0" (11x17) 1

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DONALD WILLIAM GEORGE
C 62222
EXP. 09/30/21
CIVIL
STATE OF CALIFORNIA

SITE INFORMATION:

CIRBY WAY - ROCKY RIDGE DR

10067275

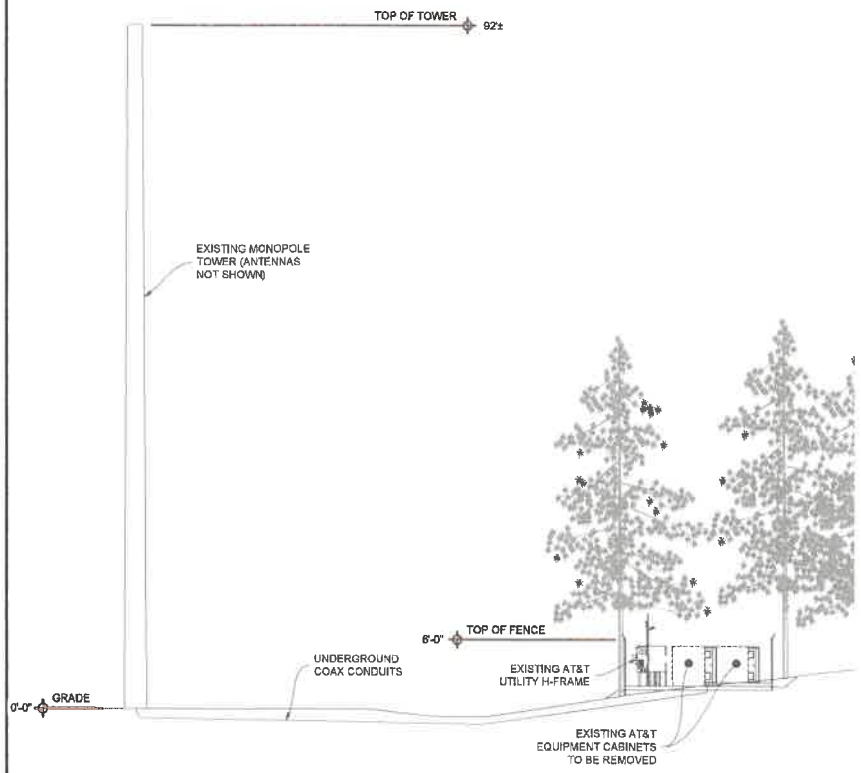
GENERATOR INSTALLATION PROJECT

1550 MAIDU DRIVE
ROSEVILLE, CA 95661

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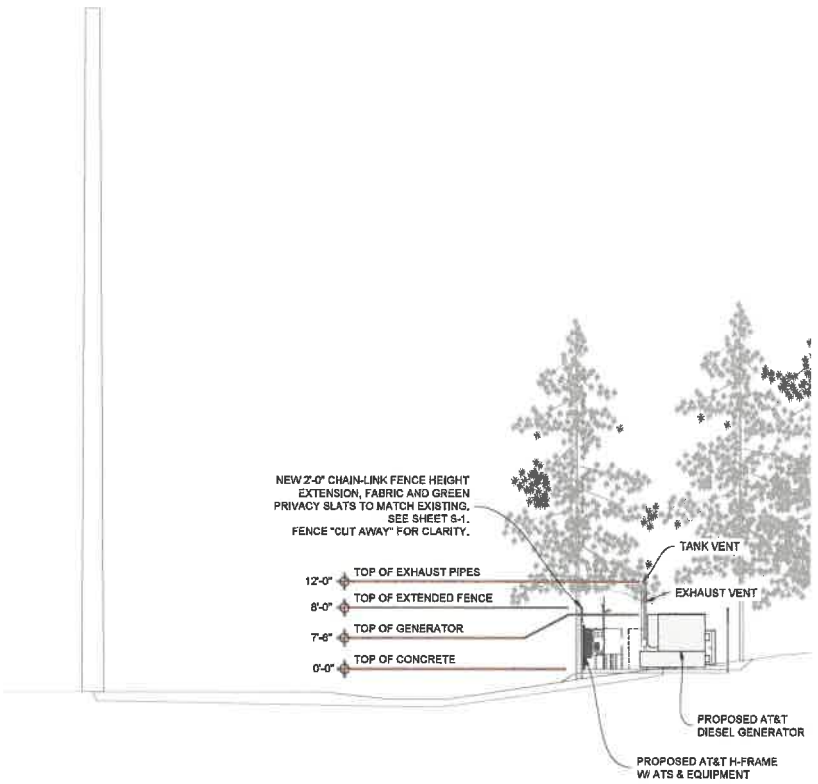
SHEET TITLE:
ENLARGED SITE PLAN

SHEET NUMBER:
A-2



EXISTING SOUTH ELEVATION VIEW

SCALE: N.T.S. 1



PROPOSED SOUTH ELEVATION VIEW

SCALE: N.T.S. 2

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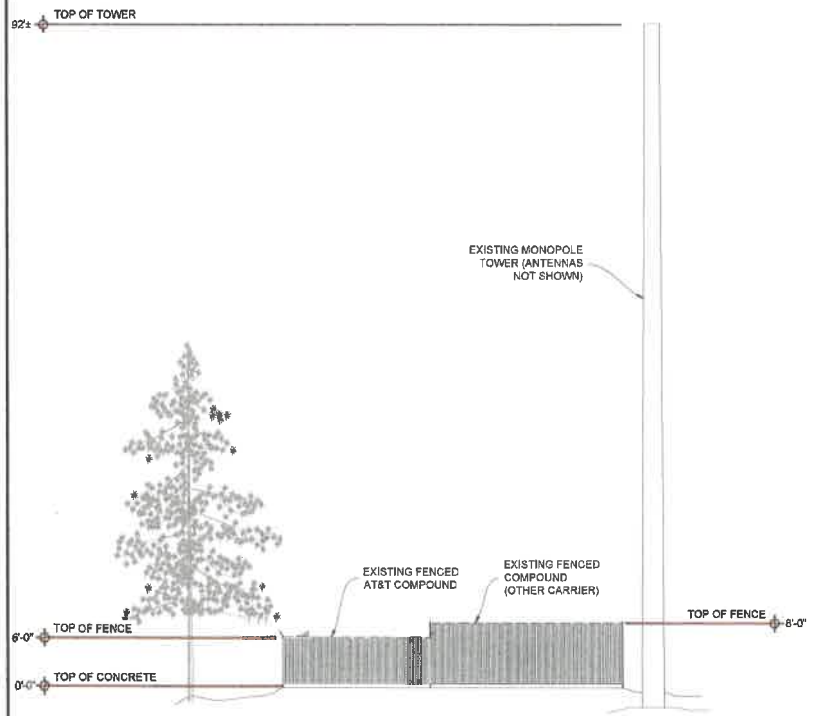
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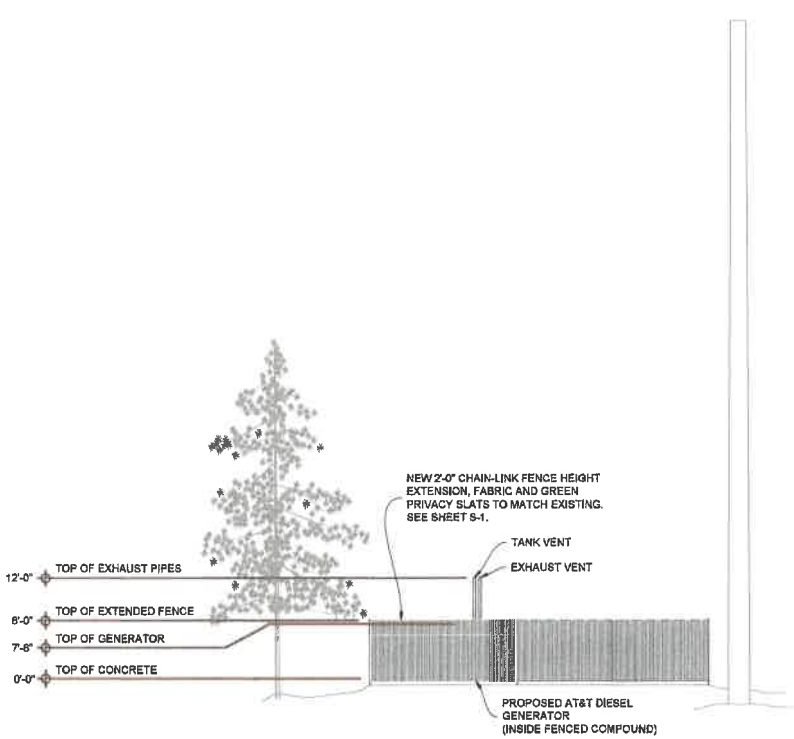
JURISDICTION USE:

SHEET TITLE:
ELEVATION VIEWS

SHEET NUMBER:
A-3.0



EXISTING EAST ELEVATION VIEW — SCALE N.T.S. — 1



PROPOSED EAST ELEVATION VIEW — SCALE N.T.S. — 2

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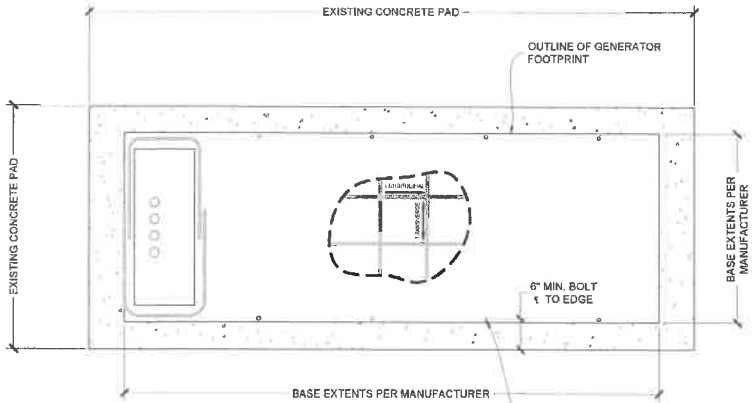
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SHEET TITLE:
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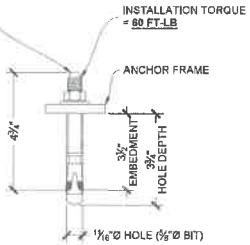
SHEET NUMBER:
A-3.1



GENERATOR PAD DETAIL
SCALE: 1/2" = 1'-0"

(8) ⅝"Ø x 3½" EMBED HILTI KWIK BOLT TZ STAINLESS STEEL EXPANSION ANCHOR (OR APPROVED EQUAL). REFERENCE ICC-ES ESR-1917 REPORT.

NOTE: PER CBC 1705.12.6, PERIODIC SPECIAL INSPECTION OF ANCHORAGE FOR STANDBY POWER SYSTEMS IS REQUIRED



TYPICAL ANCHOR

STRUCTURAL DESIGN NOTES:

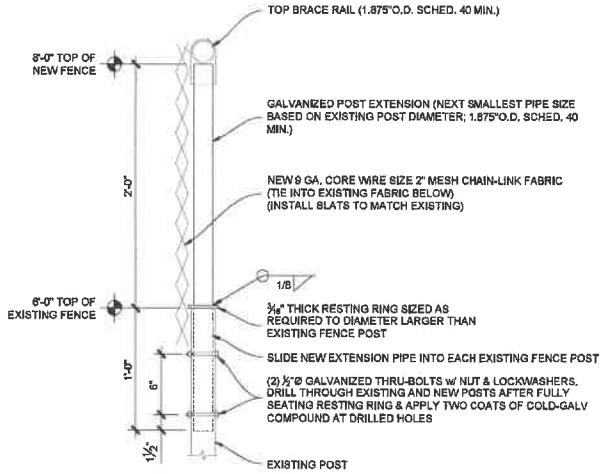
ALL LOADS DERIVED FROM REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE, ASCE 7 & ANSI TIA-222.

BUILDING & COMMUNICATION STRUCTURES: (38.73433° / -121.24677°)

1. WIND LOADS: IBC 2018 & ASCE 7-16
   V = 94 MPH ULTIMATE WIND SPEED
   STRUCTURE CLASS = II; EXPOSURE CATEGORY = C; TOPOGRAPHIC CATEGORY = 1.
   IMPORTANCE FACTOR = 1.0.
2. SEISMIC LOADS: IBC 2018 & ASCE 7-16
   STRUCTURE CLASS = II; SITE CLASS = D.
   Ss = 0.43 ; S1 = 0.218 ; SDs = 0.418

MECHANICAL ANCHOR NOTES.

1. HILTI PRODUCTS MUST BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS, AS INCLUDED IN THE ADHESIVE PACKAGING.
2. CONTRACTOR SHALL AVOID DRILLING HOLES IN VERTICAL/HORIZONTAL REINFORCING BARS.
3. HOLES MUST BE WIRE BRUSHED AND BLASTED WITH COMPRESSED AIR PRIOR TO INSTALLATION. TEMPERATURES/METHODS/WORKING TIME/ETC. ARE TO BE IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.



FENCE EXTENSION DETAIL

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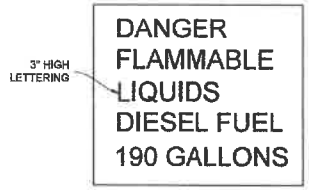
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JURISDICTION USE:

SHEET TITLE:
GENERATOR PAD DETAILS

SHEET NUMBER:
S-1



PLACE ON (2) VISIBLE SIDES OF PROPOSED GENERATOR TANK

30" x 24" SIGN



PLACE ON (2) VISIBLE SIDES OF PROPOSED GENERATOR TANK

18" x 18" SIGN



PLACE ON (2) VISIBLE SIDES OF PROPOSED GENERATOR TANK

11" x 11" SIGN



PLACE ON VISIBLE SIDE OF PROPOSED GENERATOR TANK

20" x 14" SIGN

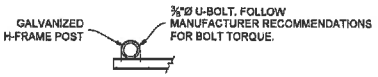
CONTRACTOR TO PROVIDE REQUIRED SIGNAGE FOR ELECTRICAL PANELS, DISCONNECTS, TRANSFER SWITCHES, ETC. PER CALIFORNIA ELECTRICAL CODE ARTICLE 702.7



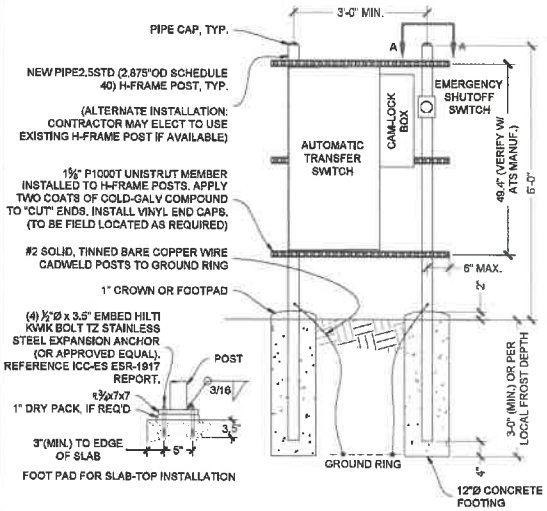
PLACE ON EXTERIOR OF EXISTING SHELTER OR NEAR EXISTING AT&T LEASE AREA

5" x 3" SIGN

REQUIRED LABELING & SIGNAGE



SECTION A-A



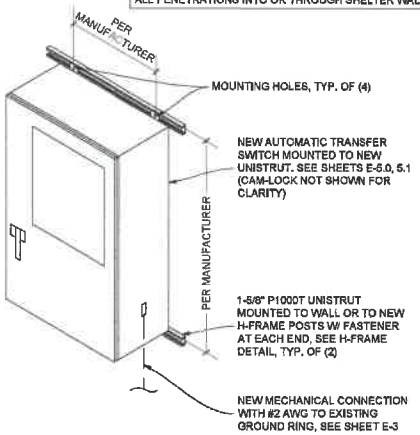
H-FRAME DETAIL (IF REQUIRED)

UNISTRUT WALL ATTACHMENT:

WALL CONSTRUCTION TYPE	FASTENER
HOLLOW	3/8" DIA. TOGGLE BOLT
HOLLOW, AT STUD	3/8" DIA. LAG SCREW
CONCRETE BLOCK (HOLLOW)	7/16" DIA. HILTI HY-270 WITH SCREEN, MINIMUM EMBEDMENT 2-1/2"
CONCRETE (SOLID)	7/16" DIA. HILTI HY-200, MINIMUM EMBEDMENT 2-1/2"

NOTES:
1. USE GALVANIZED OR STAINLESS STEEL HARDWARE FOR WALL MOUNT AND CONNECTION OF CHANNELS

2. GC SHALL USE NON-SHRINKING CAULK TO WEATHER SEAL ALL PENETRATIONS INTO OR THROUGH SHELTER WALL



ATS MOUNTING DETAIL (IF REQUIRED)

DIESEL TANK CHECKLIST:

READILY ACCESSIBLE MANUAL SHUTOFF VALVES SHALL BE INSTALLED ON SUPPLY PIPING AT THE POINT OF USE AND THE TANK (CFC 5003.2.2.1)
SECONDARY CONTAINMENT-TYPE TANKS SHALL BE UL LISTED, UL-142, AND COMPLY WITH ALL OF THE FOLLOWING REQUIREMENTS; OTHERWISE TRADITIONAL SPILL CONTROL OR SECONDARY CONTAINMENT MEASURES, SUCH AS DIKING, SHALL BE UTILIZED (NFPA 30 22.11.4)

- CAPACITY OF DIESEL TANK SHALL NOT EXCEED 50,000 GAL.
- PIPING CONNECTIONS SHALL BE ABOVE THE LIQUID LEVEL
- MEANS SHALL BE PROVIDED TO PROTECT RELEASE OF LIQUID BY SIPHON FLOW.
- MEANS TO DETERMINE LIQUID LEVEL IN TANK SHALL BE PROVIDED TO DRIVER.
- MEANS TO PREVENT OVERFILLING BY AN ALARM AT 90% CAPACITY AND AUTOMATICALLY STOPPING DELIVERY OF LIQUID TO THE TANK AT 95% CAPACITY.
- SPACING BETWEEN ADJACENT TANKS SHALL NOT BE LESS THAN 3'.
- TANK SHALL BE PROTECTED AGAINST DAMAGE FROM VEHICLES.
- INTERSTITIAL SPACE SHALL HAVE EMERGENCY VENTING.
- INTEGRITY OF SECONDARY CONTAINMENT SHALL BE ESTABLISHED.
- THE SECONDARY CONTAINMENT SHALL WITHSTAND THE HYDROSTATIC HEAD OF THE MAXIMUM AMOUNT OF LIQUID STORED IN THE PRIMARY TANK.

TANK LABELING AND PROTECTIONS:

THE FOLLOWING SIGNS AND LABELS SHALL BE AFFIXED TO THE TANK.

- "DANGER-FLAMMABLE LIQUIDS" (CFC 5703.5)
- NFPA 704 PLACARD (CFC 5003.5)
- "NO SMOKING" (CFC 5003.7.1)
- EH&S
- CONTACTS

CRASH PROTECTION COMPLYING WITH FC 312 SHALL BE PROVIDED (CFC 5003.9.3) (IF APPLICABLE)

GENERATOR FEATURES:

GENERATORS SHALL BE UL 2200 LISTED AND COMPLY WITH NFPA 37 AND NFPA 110, (CFC 604.1 AND 604.1.1)
INSTALLATIONS SHALL HAVE A LABELED REMOTE MANUAL STOP (NFPA 110 5.6.5.6 & 5.6.5.6.1 AND NFPA 37 9.2.1.1)

DOUBLE WALL FUEL TANK BASE SPECIFICATION:

REF: AT&T 30KW GENERATOR PACKAGE
UL REGISTRATION NUMBER: MH 18459
UL 142 DOUBLE WALL FUEL TANK BASE SPECIFICATION
FUEL TANK BASE CONSTRUCTION:

- BE CONSTRUCTED IN ACCORDANCE WITH UNDERWRITERS LABORATORIES STANDARD UL-142. BE CONSTRUCTED IN ACCORDANCE WITH FLAMMABLE COMBUSTIBLE LIQUIDS CODE, NFPA 30; THE STANDARD FOR INSTALLATION USE OF STATIONARY COMBUSTIBLE ENGINE GAS TURBINES, NFPA 37; AND THE STANDARD FOR EMERGENCY STANDBY POWER SYSTEMS, NFPA 110.
- MINIMUM ANCHOR QUANTITY PER MANUFACTURER OR THIS PLAN SET; WHICHEVER IS LARGER.

SUB BASE TANK TESTING:

- PRIMARY TANK & SECONDARY CONTAINMENT BASIN SECTIONS SHALL BE PRESSURIZED AT 3-5 PSI AND LEAK-CHECKED TO ENSURE INTEGRITY OF SUB BASE WELD SEAMS PER UL-142 STANDARDS

FUEL FILL: 2.5 - 5 GALLON SPILL CONTAINMENT WITH ALARM

- 40% REMAINING FOR ALARM
- 20% REMAINING FOR SHUT-DOWN

FACTORY PRE-SET AT 95% FULL FOR ALARM
FUEL CONTAINMENT BASIN:

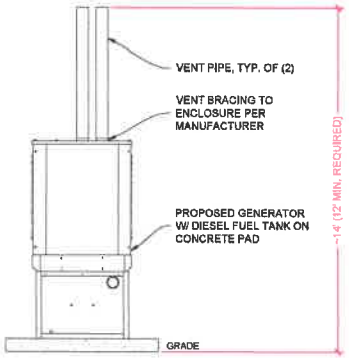
- SUB BASE TANK SHALL INCLUDE A WELDED STEEL CONTAINMENT BASIN, SIZED AT A MINIMUM OF 110% OF THE TANK CAPACITY TO PREVENT ESCAPE OF FUEL INTO THE ENVIRONMENT IN THE EVENT OF A TANK RUPTURE. A FUEL CONTAINMENT BASIN LEAK DETECTOR SWITCH SHALL BE PROVIDED.

NEPA NOTES:

1. CONSTRUCTION, INSTALLATION, MAINTENANCE, & OPERATIONAL TESTING OF EPSS SHALL COMPLY WITH THE LATEST ADOPTED EDITION OF NFPA 110.
2. ALL ELECTRICAL WORK SHALL COMPLY WITH LATEST ADOPTED EDITION OF NFPA 70 - NATIONAL ELECTRICAL CODE.

FUEL TANK NOTES:

THE TANK SHALL BE MANUFACTURED WITH THE FOLLOWING:
-INTERSTITIAL ELECTRONICALLY MONITORED RUPTURE BASIN
-ALARM TO MONITOR THE SPACE BETWEEN THE PRIMARY AND SECONDARY TANK.
-OVERFILL ALERT TO VISUALLY WARN WHEN THE TANK IS FILLED UPON CAPACITY.
-OVERSPILL CONTAINMENT AT FILL PORT TO PREVENT SPILL OF FUEL DURING FILLING OPERATIONS.
-2.5/5 GALLON OVERSPILL CONTAINMENT W/ LOCKABLE CAP.



GENERATOR VENTING DETAIL

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REGISTERED PROFESSIONAL ENGINEER
DONALD WILLIAM GEORGE
C 62222
EXP. 09/30/21
CIVIL
STATE OF CALIFORNIA

SITE INFORMATION:
CIRBY WAY - ROCKY RIDGE DR
10067275
GENERATOR INSTALLATION PROJECT
1550 MAIDU DRIVE
ROSEVILLE, CA 95661

JURISDICTION USE:

SHEET TITLE:
GENERAL STRUCTURAL DETAILS

SHEET NUMBER:
S-2

CONDUIT / WIRE SCHEDULE:

NO.	FROM	TO	WIRES	GROUND	CONDUIT SIZE	FUNCTION
1	NORMAL POWER SOURCE	AUTOMATIC TRANSFER SWITCH	(3) 3/0	(1) #4	2"	NORMAL POWER FEEDER TO ATS (CUT BACK EXISTING)
2	AUTOMATIC TRANSFER SWITCH	LOAD CENTER	(3) 3/0	(1) #4	2"	POWER FEEDER FROM ATS TO PANEL
3	GENERATOR	AUTOMATIC TRANSFER SWITCH	(3) (1)	(1) #4	2"	EMERGENCY POWER FEEDER TO ATS
4	AUTOMATIC TRANSFER SWITCH	GENERATOR	(2) #10	(1) #10	1"	START CIRCUIT
5	LOAD CENTER (DISTRIBUTION CENTER)	GENERATOR, ATS	(2) #12 (2) #12 (2) #12	(1) #12 (1) #12 (1) #12	1" 1" 1"	CIRCUIT FOR GENERATOR BLOCK HEATER & BATTERY HEATER, CIRCUIT FOR BATTERY CHARGER, CIRCUIT FOR ATS CONTROLS
6	GENERATOR	AUTOMATIC TRANSFER SWITCH	12-PAIR 24 AWG OR 2EA 6-PAIR CATS	N/A	1"	ALARM CABLES (1) 12 PAIR 24 AWG, PROVIDE 24" OF SLACK CABLE. FINAL PUNCH DOWN IS BY AT&T TECH. LABEL ALL WIRES
7	AUTOMATIC TRANSFER SWITCH	ALARM BLOCK	(2) 12-PAIR 24 AWG OR (2) 6-PAIR CATS (1) 1-PAIR 24AWG	N/A	1"	ALARM CABLES (1) 12 PAIR 24 AWG (RUN THRU INTERIOR OF SHELTER OR GROUND EQUIPMENT & INTO ALARM BOX). PROVIDE SINGLE PAIR FOR COMMERCIAL POWER FAIL ALARM. PROVIDE 24" OF SLACK CABLE. FINAL PUNCH DOWN IS BY AT&T TECH. LABEL ALL WIRES

NOTE: ALL CONDUCTORS TO BE COPPER UNLESS NOTED OTHERWISE.

ALARM WIRE IDENTIFICATION CHART:

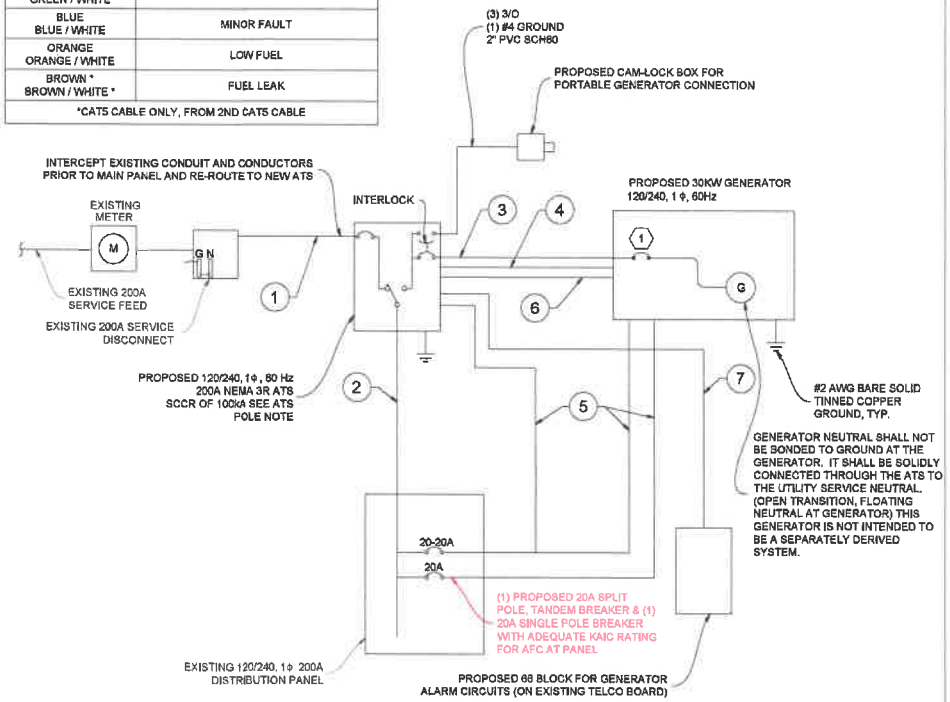
WIRE	ALARM
BROWN BROWN / WHITE	GENERATOR RUNNING
GREEN GREEN / WHITE	CRITICAL FAULT
BLUE BLUE / WHITE	MINOR FAULT
ORANGE ORANGE / WHITE	LOW FUEL
BROWN * BROWN / WHITE *	FUEL LEAK
*CATS CABLE ONLY, FROM 2ND CATS CABLE	

GENERATOR TO ATS:

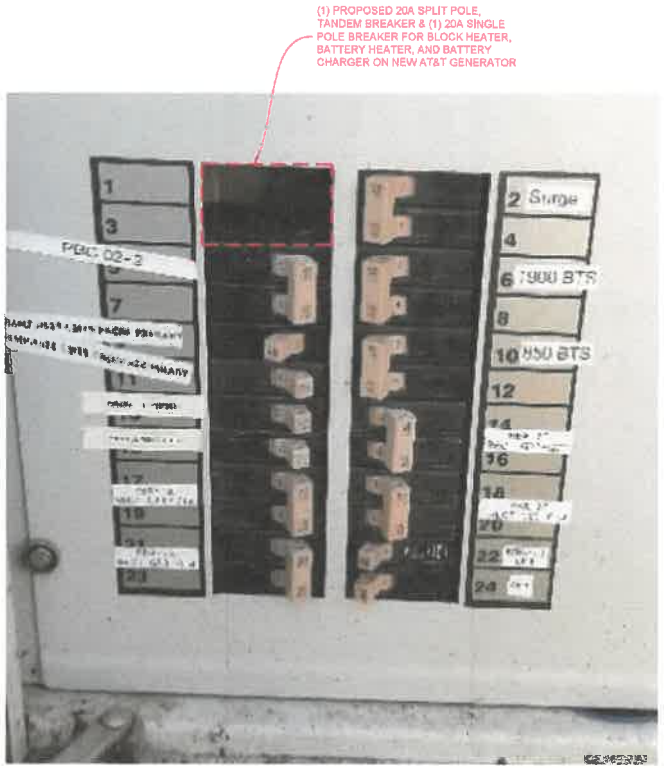
(1) CONTRACTOR TO CONFIRM GENERATOR CIRCUIT BREAKER SIZE PRIOR TO INSTALLATION AND USE THE APPROPRIATE SIZE CONDUCTORS FOR THE BREAKER TO ATS ACCORDINGLY PER NEC REQUIREMENTS.

ATS POLE NOTE:

PROPOSED ATS/CAMLOCK ARE CONFIGURABLE FOR SINGLE OR THREE PHASE OPERATION. IN SINGLE PHASE INSTALLATIONS, 3-POLE ATS TO BE INSTALLED WITH ONE POLE NOT CONNECTED (UNUSED) AND TO BE CONFIGURED FOR DUAL-POLE USE. NEUTRAL SHALL NOT BE SWITCHED.



SINGLE LINE DIAGRAM



EXISTING DISTRIBUTION PANEL

PANEL NOTES:

1. CONTRACTOR TO LABEL WIRES WITH P-TOUCH OR SIMILAR LABELS ONLY. ABSOLUTELY NO HANDWRITTEN LABELS.
2. CONTRACTOR SHALL PERFORM A POWER STUDY ON EXISTING AC PANEL PRIOR TO INSTALLING, CHANGING, ALTERING, OR REMOVING ANY BREAKER. NO WORK SHALL BE COMPLETED ON AC PANEL WITHOUT PROPER INSPECTOR OR ENGINEER APPROVED DOCUMENTATION CONFIRMING CAPACITY ON SITE. ALL WORK SHALL CONFORM TO NEC VERSION ENFORCED BY A.H.J. AT TIME OF INSTALLATION.
3. CONTRACTOR SHALL VERIFY THAT THE MAXIMUM DEMAND FOR ALL CONNECTED EQUIPMENT AT THIS SITE AS CALCULATED PER NEC 220 DOES NOT EXCEED THE GENERATOR OUTPUT CIRCUIT BREAKER RATING. (SEE NOTE #4 ALSO.)
4. IF MAXIMUM DEMAND OF GENERATOR OUTPUT CIRCUIT BREAKER RATING AS CALCULATED PER NEC 220 IS CONTINGENT ON THE TWO HVAC UNITS NOT OPERATING CONCURRENTLY, THEN CONTRACTOR SHALL VERIFY THAT THE HVAC LEAD/LAG CONTROLLER IS CONFIGURED TO PREVENT CONCURRENT OPERATION. IF NOT, THEN CONTRACTOR SHALL RECONFIGURE IT AS NEEDED TO PREVENT TRIPPING THE CIRCUIT BREAKER.

CONTRACTOR SHALL NOT SUBMIT BIDS OR PERFORM CONSTRUCTION WORK ON THIS PROJECT WITHOUT ACCESS TO THE CURRENT COMPLETE SET OF DRAWINGS LISTED IN THE TITLE-SHEET INDEX.

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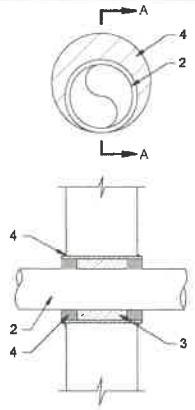
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SITE INFORMATION:
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10067275
GENERATOR INSTALLATION PROJECT
1550 MAIDU DRIVE
ROSEVILLE, CA 95661

JURISDICTION USE:

SHEET TITLE:
ELECTRICAL DETAILS

SHEET NUMBER:
E-1



SECTION A-A

NOTE:
1. IF EXISTING CONSTRUCTION VARIES FROM THIS DETAIL, AN EQUAL 3-HR U.L. PENETRATION APPROPRIATE FOR THE EXISTING WALL TYPE SHALL BE CONSTRUCTED
2. GC SHALL USE NON-SHRINKING CAULK TO WEATHERSEAL ALL PENETRATIONS INTO OR THRU SHELTER WALL.

U.L. SYSTEM NO. C-AJ-1150
CONDUIT THROUGH BEARING WALL SIMILAR TO U.L. DESIGN NO. U802
F RATING = 3 HR
T RATING = 0 HR

1. FLOOR OR WALL ASSEMBLY : MINIMUM 4-1/2" THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX DIAMETER OF OPENING IS 4". (SEE CONCRETE BLOCKS (CAZT2) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
2. THROUGH PENETRATIONS : ONE METALLIC PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE ANNULAR SPACE SHALL BE MINIMUM 0". (POINT CONTACT) TO MAXIMUM 1-3/8". THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR CONDUITS MAY BE USED:
   A. STEEL PIPE-NOMINAL 6" DIAMETER (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE
   B. IRON PIPE-NOMINAL 6" DIAMETER (OR SMALLER) CAST OR DUCTILE IRON PIPE.
   C. CONDUIT - NOMINAL 4" DIAMETER (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR NOMINAL 3-1/2" DIAMETER (OR SMALLER) STEEL CONDUIT.
3. PACKING MATERIAL: MINIMUM 6" THICKNESS OF MIN 4.0 PCF MINERAL WOOL BATTING INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.
4. FILL, VOID, OR CAVITY MATERIAL*: SEALANT: MINIMUM 1/4" THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR AND WITH BOTH SURFACES OF WALL. AT THE POINT CONTACT LOCATION BETWEEN PIPE AND CONCRETE, A MINIMUM 1/2" DIAMETER BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE CONCRETE/PIPE INTERFACE ON THE TOP SURFACE OF FLOOR AND ON BOTH SURFACES OF WALL. W-RATING APPLIES ONLY WHEN CP601S OR CP604 SEALANT IS USED.

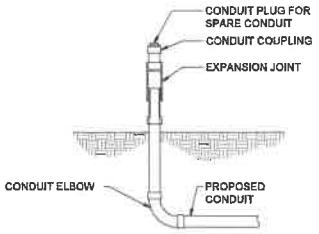
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC. : CP601S, CP604, CP606, OR FS-ONE SEALANT.

* BEARING THE UL CLASSIFICATION MARK

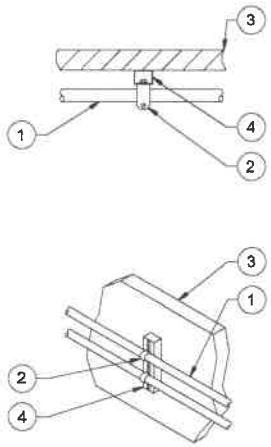
OUTER WALL PENETRATION DETAIL (IF APPLICABLE)

CONDUIT NOTES:

1. VERIFY WIRE AND CONDUIT QUANTITY & SIZES WITH GENERATOR MAKE & MODEL # PRIOR TO INSTALLATION. VERIFY ELECTRICAL REQUIREMENTS WITH LOCAL UTILITY PROVIDER.
2. ALL CONDUIT ABOVE GRADE OR IN AREAS OF HIGH TRAFFIC SHALL BE SCH 80 PVC
3. PROVIDE SCH 40 PVC CONDUIT BELOW GRADE EXCEPT AS NOTED BELOW.
4. PROVIDE RGS CONDUIT AND ELBOWS AT STUB UP LOCATIONS (I.E. SERVICE POLE, BTS EQUIPMENT, ETC.)
5. INSTALL UTILITY PULLBOXES PER NEC.



SLIP JOINT DETAIL



UNISTRUT WALL ATTACHMENT:	
WALL CONSTRUCTION TYPE	FASTENER
HOLLOW	3/8" DIA. TOGGLE BOLT
HOLLOW, AT STUD	3/8" DIA. LAG SCREW
CONCRETE BLOCK (HOLLOW)	7/16" DIA. HILTI HY-270 WITH SCREEN, MINIMUM EMBEDMENT 2-1/2"
CONCRETE (SOLID)	7/16" DIA. HILTI HY-200, MINIMUM EMBEDMENT 2-1/2"

NOTES:
1. USE GALVANIZED OR STAINLESS STEEL HARDWARE FOR WALL MOUNT AND CONNECTION OF CHANNELS

2. GC SHALL USE NON-SHRINKING CAULK TO WEATHER SEAL ALL PENETRATIONS INTO OR THROUGH SHELTER WALL

(1) CONDUIT (TYP)

(2) P1119 OR P2558 CLAMP

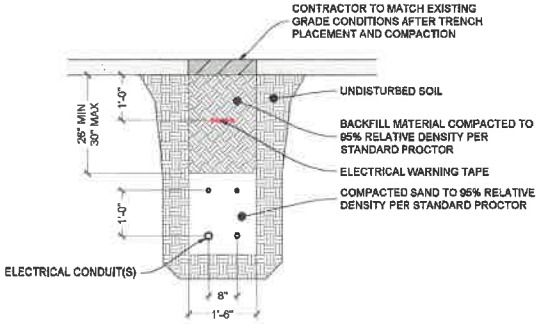
(3) EXISTING WALL/CEILING/PAVEMENT

(4) VERTICAL "UNISTRUT" P1000T. REQUIRED LENGTH BASED ON QUANTITY OF CONDUIT TO BE MOUNTED. INSTALL AT 5'-0" O.C. MAX. W/ FASTENER AT EACH END.

CONDUIT WALL MOUNT DETAIL (IF APPLICABLE)

CONDUIT NOTES:

1. VERIFY WIRE AND CONDUIT QUANTITY & SIZES WITH GENERATOR MAKE & MODEL # PRIOR TO INSTALLATION. VERIFY ELECTRICAL REQUIREMENTS WITH LOCAL UTILITY PROVIDER.
2. ALL CONDUIT ABOVE GRADE OR IN AREAS OF HIGH TRAFFIC SHALL BE SCH 80 PVC
3. PROVIDE SCH 40 PVC CONDUIT BELOW GRADE EXCEPT AS NOTED BELOW.
4. PROVIDE RGS CONDUIT AND ELBOWS AT STUB UP LOCATIONS (I.E. SERVICE POLE, BTS EQUIPMENT, ETC.)
5. INSTALL UTILITY PULLBOXES PER NEC.



UTILITY TRENCH SECTION (IF APPLICABLE)

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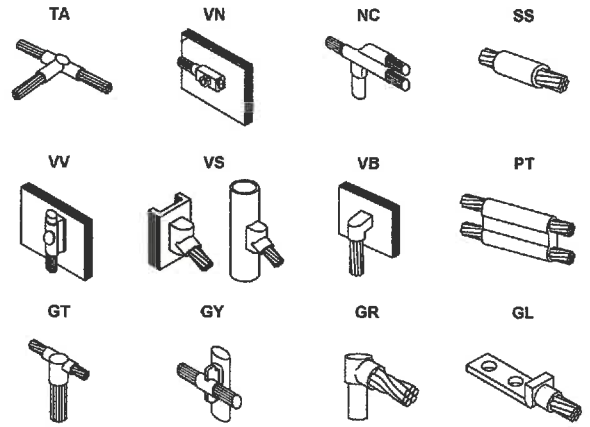
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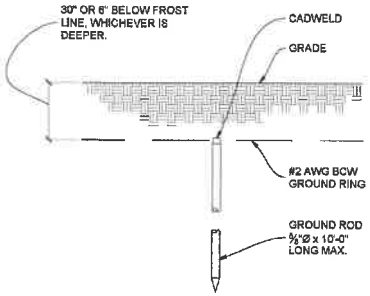
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E-2



CADWELD DETAILS



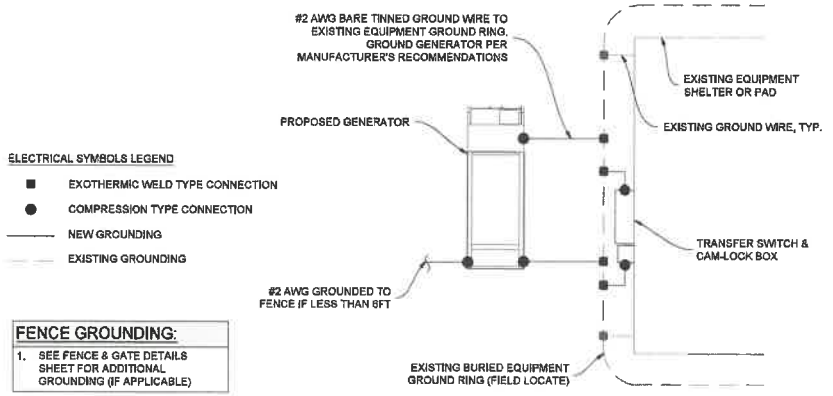
GROUND ROD NOTES:

1. GROUND RODS MAY BE:
   - COPPER CLAD STEEL
   - SOLID COPPER
2. GROUND RODS SHALL HAVE A MAXIMUM SPACING TWICE THE LENGTH OF ROD
3. SEE RESISTIVITY REPORT FOR VERIFICATION AS AVAILABLE
4. A LARGER CONDUCTOR SHALL BE REQUIRED IN AREAS HIGHLY PRONE TO LIGHTNING AND/OR AREAS WITH HIGHLY ACIDIC SOIL
5. GROUND RODS INSTALLED WITHIN CLOSE PROXIMITY TO TOWER OR WHEN SOIL IS AT OR BELOW 2,000 OHM-CM, SHALL BE GALVANIZED TO PREVENT GALVANIC CORROSION OF TOWER, (SEE ANSI/TIA-EIA-222)
6. PROVIDE (1) GROUND LEAD TO EACH SIDE OF THE GENERATOR

GROUND ROD DETAILS

GROUNDING NOTES:

1. IF MORE THAN 20' FROM EXISTING GROUND RING, INSTALL GROUND ROD (5/8" x 10' SS). ROD SPACING: 8' MAX. TOP OF ROD AND GROUND WIRE TO BE BELOW FROST LINE.
2. CONTRACTOR SHALL COORDINATE INCOMING SERVICES WITH LOCAL UTILITIES PRIOR TO TRENCHING.
3. ALL CONDUCTORS SHALL BE COPPER, 75 DEGREES C RATED, AND CONDUCTOR INSULATION BE THWN OR THHN.
4. ALL TERMINATION SHALL BE LISTED AND IDENTIFIED FOR USE WITH 75°C RATED CONDUCTORS OPERATING AT 75°C.
5. GROUND FAULT PROTECTION REQUIRED FOR UTILITY RECEPTACLES.
6. GENERATOR NEUTRAL SHALL NOT BE GROUNDED AT THE GENERATOR. REFER TO SINGLE LINE DETAIL, SHEET E-1.
7. EQUIPMENT LOCATED OUTSIDE OR EXPOSED TO MOISTURE SHALL BE NEMA 3R RATED.
8. CONTRACTOR SHALL USE SCHEDULE 80 PVC CONDUIT THROUGH CONCRETE AND ABOVE GROUND, UNLESS OTHERWISE NOTED.
9. ALL NEWLY INSTALLED EQUIPMENT SHALL BE RATED "AT 10K AIC" MINIMUM. HIGHER RATINGS SHALL BE REQUIRED WHERE AVAILABLE FAULT CURRENT EXCEEDS THIS VALUE. EXACT FAULT CURRENT AVAILABLE SHALL BE COORDINATED WITH LOCAL UTILITY BASED ON EXACT CONDITIONS (XFMR SIZE, PERCENT IMPEDANCE, LENGTH OF CONDUCTORS, ETC).



FENCE GROUNDING:

1. SEE FENCE & GATE DETAILS SHEET FOR ADDITIONAL GROUNDING (IF APPLICABLE)

TYPICAL GROUNDING DIAGRAM

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ELECTRICAL DETAILS

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E-3

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

GENERAC | INDUSTRIAL POWER

Standby Power Rating
30 kW, 38 kVA, 60 Hz

Prime Power Rating*
27 kW, 34 kVA, 60 Hz

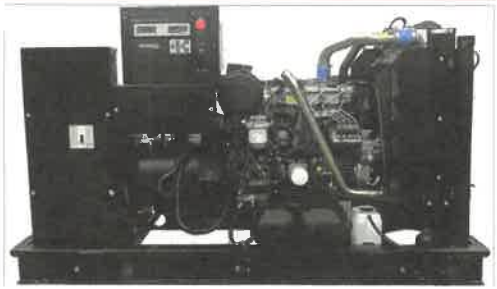


Image used for illustration purposes only

*EPA Certified Prime ratings are not available in the US or its Territories

Codes and Standards

Not all codes and standards apply to all configurations. Contact factory for details.

- UL2200, UL508, UL489, UL142
- CSA C22.2
- BS5514 and DIN 6271
- SAE J1349
- NFPA 37, 70, 99, 110
- NEC700, 701, 702, 708
- ISO 3046, 7637, 8528, 9001
- NEMA ICS10, MG1, 250, ICS6, AB1
- ANSI C62.41

Powering Ahead

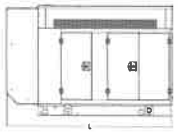
For over 50 years, Generac has provided innovative design and superior manufacturing.

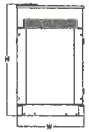
Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial applications under adverse conditions.

Generac is committed to ensuring our customers' service support continues after their generator purchase.





LEVEL 2 ACOUSTIC ENCLOSURE

Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Weight - lbs (kg) Enclosure Only Steel	Aluminum
No Tank	-	94.8 (2,407) x 38.0 (965) x 61.1 (1,551)		
19	64 (204)	94.8 (2,407) x 38.0 (965) x 74.1 (1,881)		
47	132 (501)	94.8 (2,407) x 38.0 (965) x 86.1 (2,186)	510 (232)	341 (155)
75	211 (799)	94.8 (2,407) x 38.0 (965) x 98.1 (2,491)		
107	300 (1,136)	94.8 (2,407) x 38.0 (965) x 98.1 (2,491)		

* All measurements are approximate and for estimation purposes only. Specification characteristics may change without notice. Please contact a Generac Power Systems Industrial Dealer for detailed installation drawings.

SPEC SHEET

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

GENERAC | INDUSTRIAL POWER

STANDARD FEATURES

ENGINE SYSTEM
- Oil Drain Extension
- Air Cleaner
- Fan Guard
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil and Coolant
- Radiator Duct Adapter (Open Set Only)
- Critical Silencer (Enclosed Unit Only)
- Engine Coolant Heater

Fuel System
- Fuel Lockoff Solenoid
- Primary Fuel Filter

Cooling System
- Closed Coolant Recovery System
- UV/Ozone Resistant Hoses
- Factory-Installed Radiator
- Radiator Drain Extension
- 50/50 Ethylene Glycol Antifreeze

Electrical System
- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Booted Engine Electrical Connections
- Solenoid Activated Starter Motor

ALTERNATOR SYSTEM
- UL2200 GENprotect™
- Class H Insulation Material
- 2/3 Pitch
- Skewed Stator
- Brushless Excitation
- Sealed Bearing
- Rotor Dynamically Spin Balanced
- Amortisseur Winding (3-Phase Only)
- Full Load Capacity Alternator
- Protective Thermal Switch

GENERATOR SET
- Internal Genset Vibration Isolation
- Separation of Circuits - High/Low Voltage
- Separation of Circuits - Multiple Breakers
- Wrapped Exhaust Piping
- Standard Factory Testing
- 2 Year Limited Warranty (Standby Rated Units)
- 1 Year Limited Warranty (Prime Rated Units)
- Silencer Mounted in the Discharge Hood (Enclosed Unit Only)

NOTE: IT IS RECOMMENDED THAT BATTERY BE WITHIN LEAK CONTAINMENT BOX OR TRAY

ENCLOSURE (If Selected)
- Rust-Proof Fasteners with Nylon Washers to Protect Finish
- High Performance Sound-Absorbing Material (Sound Attenuation Enclosures)
- Gasketed Doors
- Stamped Air-Intake Louvers
- Upward Facing Discharge Hoods (Radiator and Exhaust)
- Stainless Steel Lift Off Door Hinges
- Stainless Steel Lockable Handles
- RhinoCoat™ - Textured Polyester Powder Coat Paint

FUEL TANKS (If Selected)
- UL 142/ULC S601
- Double Wall
- Normal and Emergency Vents
- Sloped Top
- Sloped Bottom
- Factory Pressure Tested
- Rupture Basin Alarm
- Fuel Level
- Check Valve In Supply and Return Lines
- RhinoCoat™ - Textured Polyester Powder Coat Paint
- Stainless Steel Hardware

CONTROL SYSTEM



Digital H Control Panel- Dual 4x20 Display

Program Functions
- Programmable Crank Limiter
- 7-Day Programmable Exerciser
- Special Applications Programmable Logic Controller
- RS-232/485 Communications
- All Phase Sensing Digital Voltage Regulator
- 2-Wire Start Capability
- Date/Time Fault History (Event Log)
- Isochronous Governor Control
- Waterproof/Sealed Connectors
- Audible Alarms and Shutdowns
- Not In Auto (Flashing Light)
- Auto/Off/Manual Switch
- E-Stop (Red Mushroom-Type)
- NFPA110 Level I and II (Programmable)
- Customizable Alarms, Warnings, and Events
- Modbus® Protocol
- Predictive Maintenance Algorithm
- Sealed Boards
- Password Parameter Adjustment Protection
- Single Point Ground
- 16 Channel Remote Trending
- 0.2 msec High Speed Remote Trending
- Alarm Information Automatically Annunciated on the Display

Full System Status Display
- Power Output (kW)
- Power Factor
- kW Hours, Total, and Last Run
- Real/Reactive/Apparent Power
- All Phase AC Voltage
- All Phase Currents
- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Speed
- Battery Voltage
- Frequency

Alarms and Warnings
- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Overspeed
- Battery Voltage
- Alarms and Warnings Time and Date Stamped
- Snap Shots of Key Operation Parameters During Alarms and Warnings
- Alarms and Warnings Spelled Out (No Alarm Codes)

SPEC SHEET

GENERAC 30KW GENERATOR SPECIFICATIONS

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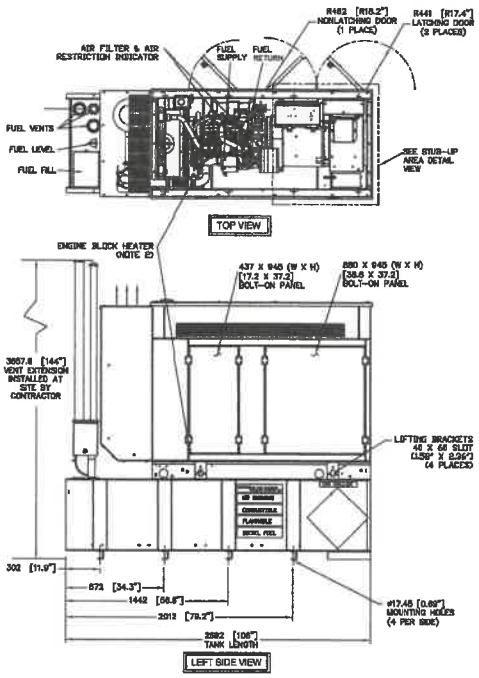
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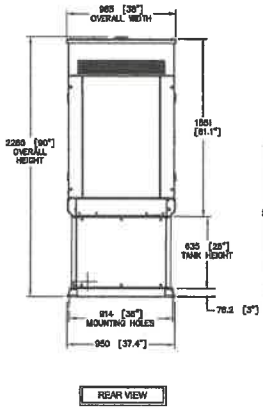
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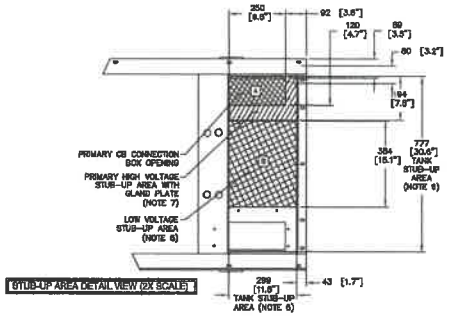
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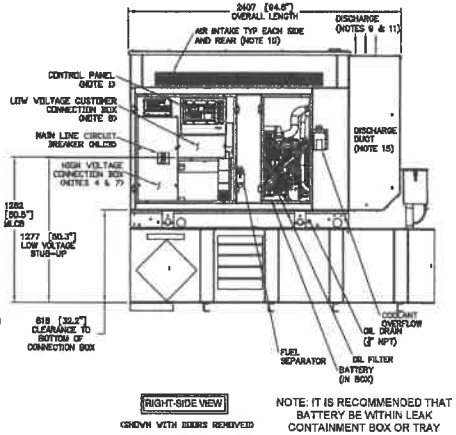
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E-4.0

0J7500D-ATT









NOTE: IT IS RECOMMENDED THAT BATTERY BE WITHIN LEAK CONTAINMENT BOX OR TRAY

RECOMMENDED ELECTRICAL STUB-UPS (SEE DETAILED VIEW & TOP VIEW)

DESCRIPTION	STUB-UP AREA
HIGH VOLTAGE STUB-UP AREA 1) AC LOAD LEAD CONDUIT AREA. 2) 120/240 VAC FROM UTILITY (BY OTHERS) (GLAND PLATE INCLUDED)	A
LOW VOLTAGE STUB-UP AREA 1) TRANSFER SWITCH/ COMMUNICATION CONDUITS. COMMUNICATIONS AND 2-WIRE START MUST NOT BE RUN IN CONDUIT WITH AC WIRING. (SEE NOTE 8)	B

NOTES:

1. CONTROL PANEL INCLUDES BATTERY CHARGER WITH THREE PRONG CORD.
2. 1500W 120VAC ENGINE BLOCK HEATER WITH THREE PRONG CORD.
3. 13 VOLT NEGATIVE GROUND SYSTEM.
4. GENERATOR MUST BE GROUNDED.
5. CENTER OF GRAVITY & WEIGHT MAY SHIFT SLIGHTLY DUE TO UNIT OPTIONS.
6. STUB-UPS: BASE TANK REQUIRES ALL STUB-UPS TO BE IN THE REAR TANK STUB-UP AREA.
7. HIGH VOLTAGE STUB-UP AREA INCLUDES THE AC LOAD LEAD CONNECTION TO THE MAIN LINE CIRCUIT BREAKER, THE NEUTRAL CONNECTION, AND AUXILIARY 120/240V CONNECTION.
8. CONNECTION POINTS FOR CONTROL WIRES, BOTTOM OF LOW VOLTAGE CUSTOMER CONNECTION BOX HAS KNOCKOUTS FOR 1/2" AND 3/4" CONDUIT FITTINGS.
9. MUST ALLOW FREE FLOW OF DISCHARGE AIR AND EXHAUST. SEE SPEC SHEET FOR MINIMUM AIR FLOW AND MAXIMUM RESTRICTION REQUIREMENTS.
10. MUST ALLOW FREE FLOW OF INTAKE AIR. SEE SPEC SHEET FOR MINIMUM AIR FLOW AND MAXIMUM RESTRICTION REQUIREMENTS.
11. GENERATOR MUST BE INSTALLED SUCH THAT FRESH COOLING AIR IS AVAILABLE AND THAT DISCHARGE AIR FROM THE RADIATOR IS NOT RECIRCULATED.
12. IT IS THE RESPONSIBILITY OF THE INSTALLATION TECHNICIAN TO ENSURE THAT THE GENERATOR INSTALLATION COMPLIES WITH ALL APPLICABLE CODES, STANDARDS, AND REGULATIONS.
13. 190 GALLON USEABLE CAPACITY BASETANK IS INCLUDED WITH GENERATOR.
14. UNIT IS SHIPPED WITH FUEL SUPPLY AND RETURN LINES DISCONNECTED AND PLUGGED BETWEEN ENGINE AND FUEL TANK. THIS HAS BEEN DONE TO FACILITATE PRESSURE TESTING OF THE TANK IN THE FIELD. FOR INFORMATION REGARDING CONNECTING THE FUEL SUPPLY AND RETURN LINES PRIOR TO START UP, SEE THE FUEL TANK FIELD TESTING PROCEDURE (0E5062) SUPPLIED IN THE TANK LOOSE VENTS KIT, WHICH IS SHIPPED WITH THIS GENERATOR.
15. SEE DRAWING 0C3850 FOR DISCHARGE DUCT REMOVAL. REMOVAL OF DUCT WILL PROVIDE ACCESS TO MUFFLER FOR SERVICING.

WEIGHT DATA: (INCLUDES EMPTY FUEL TANK)
GENERATOR: 1409 KG (3108 LBS)
GENERATOR WITH WOODEN SHIPPING SKID: 1474 KG (3250 LBS)

UNITS: mm [INCHES]

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INSTALLATION DRAWING

INSTALL SD030
DIESEL 2.4L G16
L2A Y02 SSM
190 GAL EXT VNT/FILL BASETANK

GENERAC POWER SYSTEMS
Waukesha
P.O. BOX 8
WAUKESHA, WIS. 53187

FILE NAME
SIZE B
SCALE
FIRST USE CALIFORNIA
DWG NO. 0J7500D
REV A

GENERAC 30KW GENERATOR SPECIFICATIONS

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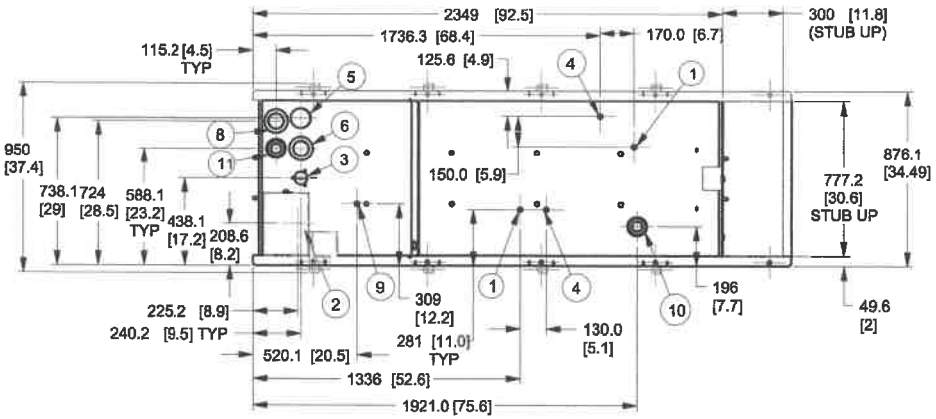
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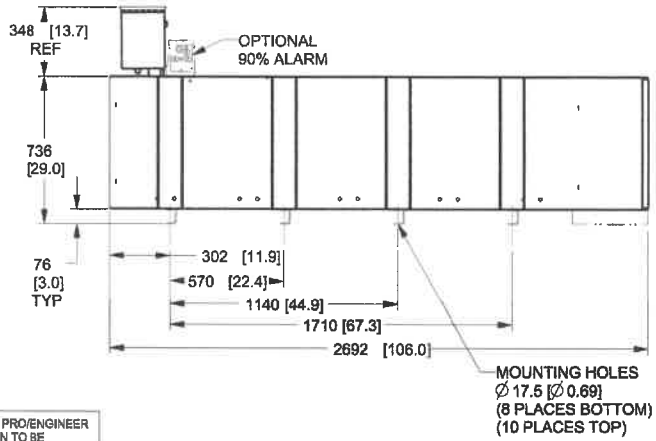
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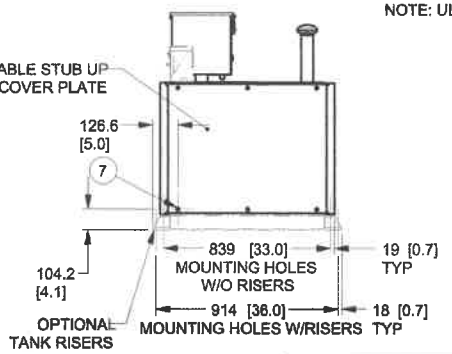
SHEET TITLE:
GENERATOR SPECIFICATIONS

SHEET NUMBER:
E-4.1

SH	REV	WINDCHILL VERSION
1/1	A	A.3







I/N	TANK FITTING	PROVIDING FUNCTION
1	3/8" NPT COUPLING	FUEL SUPPLY
2	2" NPT WELD FLANGE	FUEL FILL
3		MECH/ELEC. FUEL LEVEL
4	3/8" NPT COUPLING	FUEL RETURN
5	2" NPT WELD FLANGE	VENT
6	3" NPT WELD FLANGE	INNER EMERGENCY VENT
7	1/2" NPT HALF COUPLING	RUPTURE BASIN LEAK SENSOR
8	3" NPT WELD FLANGE	OUTER TANK EMERGENCY VENT
9	3/8" NPT COUPLING	5 GALLON SPILL/FILL DRAIN
10	2" NPT WELD FLANGE	90% FUEL SWITCH
11	2" NPT WELD FLANGE	RUPTURE BASIN ALARM

TANK P/N	0L35190ST03
TOTAL CAPACITY	757 [200]
USABLE CAPACITY	720 [190]
EST. DRY WEIGHT	420 [924]

CAPACITY SHOWN: LITER [GALLONS]
WEIGHT SHOWN:KILOGRAMS[POUNDS]
LENGTH SHOWN: MM [INCH]

NOTE: UL 142 / ULC-S601 LISTED

DRAWING CREATED FROM PRO/ENGINEER 3D F/LE. ECO MODIFICATION TO BE APPLIED TO SOLID MODEL ONLY.

INSTALLATION DRAWING

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ELECTRONICALLY APPROVED
INSIDE WINDCHILL

GENERAC

TITLE
INSTALL BASETANK
A-GROUP EXTENDED
190G (USEABLE) / 200 G (TOTAL)

ISSUE DATE: 12/15/17

SIZE	CAGE NO	DWG NO	REV
B	N/A	10000026896	A

SCALE	WT-KG	SHEET
0.050	958.184	1 of 1

GENERAC 30KW GENERATOR SPECIFICATIONS

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GENERATOR SPECIFICATIONS

SHEET NUMBER:
E-4.2

TTS Series Switches

200 Amps
600 VAC

GENERAC | INDUSTRIAL POWER

TAS200

200A Automatic Transfer Switch

TAS200 TAS200

The Generac TAS200 Automatic Transfer Switch

Flexibility for multiple application installations

Multiple generator support with 3 source panel

Designed with a 6 inch touch screen controller for improved user interface

Camlock functionality for mobile generator sources



Image used for illustration purposes only.

Features

- STEEL CONSTRUCTION
- NEMA 3R ENCLOSURE WITH HINGED "PADLOCKING" DOORS
- STAINLESS STEEL HARDWARE
- CAMLOCK "QUICK CONNECT" CAPABILITY
- OPERATIONAL STATUS VIEW VIA 6 INCH TOUCH SCREEN
- TEST FUNCTION - FAST TEST & NORMAL TEST
- UL1008 LISTED - FOR EMERGENCY SYSTEMS

Optional Features

- EXTENDED WARRANTY
- THREE-PHASE VOLTAGE CONFIGURATIONS

Codes and Standards

Generac products are designed to the following standards:

c UL us LISTED — UL1008, UL508, UL50, CSA C22.2 No. 178

nec — NEC 700, 701 and 702

NEMA — NEMA 250

Application and Engineering Data

Cabinet Specifications	
Dimensions	24"W x 12"D x 48"H
Weight	210 lbs.
Construction	Single Chamber with Main Door
	Steel
	UL Type / NEMA 3R Rated
	Powder Coat Finish for Corrosion Resistance
	C-UL-US Listed - Automatic Transfer Switch
	Stainless Steel Hardware
	3-Point Latching System with Pad-Lockable Handles
Mounting Options	Wall
	H-frame
Installed	Pre-wired alarm terminal strip

Electrical Specifications	
Voltage/Phase/Amps	120/240 Single-Phase, 200A 120/208 3-Phase, 200A 120/240 3-Phase, 200A
Breaker	Eaton 200 amp Utility Breaker
	Eaton 200 amp Generator Breaker
Maximum RMS Symmetrical Fault Current - Amps	25k AIC Rated
Protective Device Continuous Rating (Max) Amp	200
Input to Generator	350MCM - #6 AWG
Output to Site	350MCM - #6 AWG
Generator Annunciator Connector	Deutsch DTM04-12PA-L012
Alarm Terminal Board	Generator Run Alarm
	Generator Fail – Shutdown Alarm
	Generator Fail – Non Shutdown Alarm
	Low Fuel Alarm
	Generator Theft Alarm
	AC Utility Fail Alarm

GENERAC ATS SPECIFICATIONS

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ATS SPECIFICATIONS

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GENERAC | INDUSTRIAL POWER

TAS200

3 of 3

TTS Control Systems

Touch Screen Interface





INDICATORS AND BUTTONS

• System Ready Indicator • Standby Operating Indicator • Utility Available Indicator • GEN/UTIL Switch Position Indicator • TVSS status	• Normal Test button • Fast Test button • Return to Normal button • Reset button • Exercising Indicator

DETAILS SCREEN

System Settings:
- System Voltage/Phases:
  - 120/240V single phase (standard)
  - 120/208V three phase (optional)
  - 120/240V three phase (optional)
- Utility Fail Monitor:
  - Under Voltage: 75-95% of nominal voltage
  - Over Voltage: 105%-125% of nominal voltage
  - Pickup (hysteresis): fixed at 5 volts
  - Delay time: 0-60s
- Utility Interrupt Delay: 0-60s
- Return to Utility Timer: 1-30 minutes
- Transfer:
  - In-phase, or
  - Time-Delay-Neutral at 0.0-10.0s in 1 second increments

Engine Settings:
- Engine Warm-up timer: 0-20 minutes
- Generator Load Accept:
  - Time-Delay-Neutral at 0.0-10.0s in 1 second increments
  - Voltage: 85-95% of nominal
  - Frequency: 85-95% of nominal
- Engine Minimum Run Timer: 5-30 minutes
- Engine Cooldown Timer: 0-20 minutes

Exercise Settings:
- Time of day
- Day of week
- Exercise:
  - Exercise with/without load
  - Exercise once every 1, 2, or 4 weeks.
  - Exercise time-of-day
  - Exercise day of week
  - Exercise duration: 15-30 minutes

Screen Settings:
- Brightness & Contrast button
- Screen Calibration button
- Startup/Clean screen

Diagnostics:
- Digital I/O bits status
- Voltage A/D readings

Mimic Diagram:
- System Ready
- Transfer switch position
- Utility available
- Standby available
- Maintenance/Auto switch position
- Generator source TS position
- TVSS status

Camlock Component		
Camlock Component	Shipped loose for multiple installation options	
Dimensions	9" W x 9.4" D x 24.25" H	
200A Camlock Generator Connection	Single-Phase: Black L1, Red L2, White-Neutral, Green-Ground	
	3-Phase: Black L1, Red L2, Blue L3, White-Neutral, Green-Ground	
	Uses 4 CH E1016 Male Connectors	
	Mating Connector – CH E1016 Female	

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CAM-LOCK BOX SPECIFICATIONS

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CAM-LOCK BOX SPECIFICATIONS

SHEET NUMBER:
E-5.1

COUNCIL COMMUNICATION

CC #: 1257
File #: 0110-01

Title:	Placer Valley Tourism - Annual Budget and Strategic Work Plan
Contact:	Jeannine Thrash 916-774-5473 jthrash@roseville.ca.us Dennis Kauffman 916-774-5313 dkauffman@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 7.17.

RECOMMENDATION TO COUNCIL

Staff recommends that Council adopt a resolution to approve the 2021 Budget and Strategic Marketing Plan for Placer Valley Tourism (PVT).

BACKGROUND

The South Placer County Tourism Corporation, dba Placer Valley Tourism (PVT), exists to create a revenue source that specifically promotes and supports tourism efforts that generate overnight stays within the region. Revenue is generated by assessments on hotel room nights for all hotels in the cities of Lincoln, Rocklin and Roseville. This assessment was voted on and approved by all hotel owners in 2014.

On November 5, 2014 the City entered into a Marketing Management Agreement with PVT which authorizes PVT to administer and implement all of the activities and improvements of the Placer Valley Sports Complex and Tourism Marketing District (District). Expenditure of assessments received from the District are directed by the PVT Board, which is comprised of hotel, Chamber and City representatives from Roseville, Rocklin and Lincoln. Pursuant to the Marketing Management Agreement, and as required by state law, the PVT strategic marketing plan and budget shall undergo annual review and approval by the City Council. The City Council has the discretion to approve the strategic marketing plan and budget as submitted or may modify any particular matter contained within these documents.

The attached strategic marketing plan and budget were approved by the PVT Board of Directors on November 19, 2020. Revenues are estimated to exceed expenses, assuming possibly less room nights as compared to 2020. The key strategies in the 2021 Strategic Marketing plan include:

1. Deliver room night producing groups for the Roebbelen Center
2. Monitor new room night production at the Roebbelen Center and make adjustments for the future
3. Prepare for and explore outdoor events and sports as guidance allows for a faster return than

indoor sports
4. Continue support for existing events and their organization's sustainability
5. Build national and regional brand for Placer Valley and the Roebbelen Center
6. Strengthen cash position by accumulating available capital for reserves and future projects

The attached Placer Valley Tourism 2021 Strategic Marketing Plan provides more detailed information. Staff has reviewed and recommends approval of the PVT's 2021 Strategic Marketing Plan and the 2021 Budget.

FISCAL IMPACT

There is not a fiscal impact associated with this recommendation. Funding for these PVT activities is derived from room night assessments for all hotels in the cities of Lincoln, Rocklin and Roseville. These assessments were voted on and approved by a majority of affected hotel owners in 2014. This assessment is separate and distinct from the 6% transient occupancy tax (TOT) collected by the City of Roseville for all Roseville hotels. As noted in the attached documents, the City is in discussions with PVT about the timing of repayment to the City for the long field project design costs incurred by the City's Citywide Park - West Roseville Specific Plan Fund.

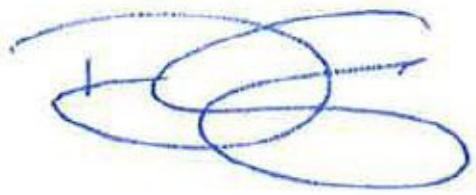
ENVIRONMENTAL REVIEW

The California Environmental Quality Act (CEQA) does not apply to activities that will not result in a direct or reasonably foreseeable indirect physical change in the environment, or is otherwise not considered a project as defined by CEQA Statute §21065 and CEQA State Guidelines §15060(c)(3) and §15378. The approval of the Placer Valley Tourism Annual Budget and Strategic Work Plan meets the above criteria and is not subject to CEQA. No additional environmental review is required.

Respectfully Submitted,

Jeannine Thrash, Management Analyst

Dennis Kauffman, Assistant City Manager/Chief Financial Officer



_____
Dominick Casey, City Manager

ATTACHMENTS:

Description

Resolution 21-040

2021 PVT Strategic Marketing Plan

2021 PVT Annual Budget

RESOLUTION NO. 21-040

APPROVING THE 2021 PLACER VALLEY TOURISM STRATEGIC MARKETING PLAN AND BUDGET

WHEREAS. the Placer Valley Sports Complex and Tourism Marketing District (District) was created in November 2014 to replace the former South Placer County Tourism Business hnprovement Area; and

WHEREAS, Placer Valley Tourism (PVT) administers the District under a Marketing Management Agreement which requires PVT to submit an annual budget and work plan to the City; and

WHEREAS, the 2021 Placer Valley Tourism Strategic Marketing Plan and 2021 Placer Valley Tourism Budget have been reviewed by the City Council;

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Roseville that the 2021 Placer Valley Tourism Strategic Marketing Plan and 2021 Placer Valley Tourism Budget is hereby approved.

PASSED AND ADOPTED by the Council of the City of Roseville this____day of _____, 20_, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk

Adapt & Overcome

2021 Strategic Plan
Placer Valley Tourism









ADAPT AND OVERCOME.

2020 was unprecedented and while we had anticipated the year would be unmatched and even unparalleled to any previous years' expectations, we thought it would have been due to the opening of the new Roebbelen Center…not a worldwide pandemic.

COVID-19 officially hit Placer Valley bringing everything to a halt in March 2020 and remains on-going. Fortunately, three events were successfully hosted in the Roebbelen Center prior to the shutdown. Unfortunately, circumstances are still unknown as we look to 2021. At what level will youth sports be allowed to play and with what restrictions or modifications? When will large gatherings be allowed and to what extent? Due to the restrictions surrounding most of 2020, we will look to accomplish most of the same key strategies for 2021 with the exception of meeting/group business. The meeting and group business segment will have a slower return as they ease back into the market after COVID-19 and with so many unknowns, this has been shifted to a longer-term strategy.

The California Interscholastic Federation (CIF) which is the governing body for high school sports has developed a condensed sports calendar where they have taken three seasons and modified them into two seasons. With this new schedule for high school sports, club sports are also having to pivot to find new dates and open facilities. Although the CIF schedule shows sports starting in December 2020, new guidance from the State has yet to be received, making the much-anticipated delayed start of high school and youth sports still very much undetermined moving forward.

At the forefront of this year's Strategic Plan, Placer Valley Tourism (PVT) remains fluid while closely monitoring room sales, revenue generation and managing cash reserves. While pandemic related restrictions still remain unclear for 2021, there are a few key assumptions we are making in order to move forward:

- No 2021 Placer Valley Welcome Guide will be issued; unused 2020 Guides will be utilized
- Hotel Occupancy at 62% which will be less or equal to 2020 projections
- Youth Sports Guidance will allow for tournaments aligning with the CIF schedule of sports
- The Plan will likely need to adapt and overcome challenges throughout the year
- Much of the 2020 Plan will be included in the 2021 Plan since most was not done and remains relevant

@the Grounds, a $47M project, was created through an amazing collaboration of finances and effort by PVT and Placer County. The crown jewel of that project, the Roebbelen Center, opened in February 2020, just weeks prior to the COVID-19 shutdown. The Roebbelen Center provides the location and opportunity to pursue a long-term event strategy to increase occupancies during the winter season. This multi-purpose event venue has 12 basketball courts which can convert to 24 volleyball courts, 35-foot clear ceiling height and 6,000-person capacity which is ideal for many event types.

The overarching strategy of the Roebbelen Center is to give PVT the capability to drive more events into hotel shoulder months to replicate our success in the May – October time period. PVT is mindful that "build it and they will come" is not true; it takes hard work soliciting, recruiting, growing and positioning the right events that can deliver the room nights needed. With the unexpected downtime due to the pandemic, PVT has sought out events and has successfully booked more events for 2021 than originally scheduled for 2020. The uncertainty of when Placer Valley will get the approval to start hosting youth

sports remains a challenge so until that time, PVT will remain nimble and focused on shorter-term strategies.

This year, PVT will evaluate the room night production from all events in order to maximize room nights moving forward. It is projected that basketball or volleyball will become the number one room night generating event type. The new events at the Roebbelen Center will add to those already in the market and produced by Hardwood Palace, William Jessup University and Sierra College. Other event types such as cheer/dance, wrestling and gymnastics will also grow significantly.

If our winter event strategy becomes as successful as we think in the next few years, and assuming we can host events again, lack of capacity on weekends and the need for growing midweek demand will cause us to pivot our focus to midweek and other need periods. We know that PVT's success in sports tourism sometimes confuses people that sports tourism is our mission, when in reality, our mission is to improve the health of the hotel industry in Placer Valley, primarily through driving occupancy and rate.

In the past, PVT has contributed many capital investments to existing and new facilities that support room night production. Because PVT provided more than 85% of the expenditures towards ATG along with the County's $7M investment, and due to the impact COVID-19 has had on reserves, we will have none to very little excess capital over the next few years. In recognition of this situation our Board of Directors believes it is most prudent to save any cash resources until after we understand how hotel demand will change with the Roebbelen Center and any lingering effects of COVID-19.

Hotel industry experts forecast hotel demand to dip slightly but to remain at 65% - 68% of its revenue levels by the end of 2021. However, it is expected to take until 2024 for revenues to fully bounce back to 2019 levels as average daily rate will lag behind occupancy. For 2021 planning purposes, PVT is assuming a conservative 62% occupancy. Beyond the national trends, Placer Valley hotels will have some unexpected relief, as Placer Valley is in a suburban environment which will recover more quickly than an urban/city location. Additionally, and for unfortunate circumstances, Placer Valley hotels have seen an increase in occupancy during wild fire season on an annualized basis.

Chart A: PVT vs National YTD September

	2020 – YTD September			2019 – YTD September		
Location	**Occupancy**	**ADR**	**RevPAR**	**Occupancy**	**ADR**	**RevPAR**
Placer Valley	77.2%	$ 98.24	$ 75.85	78.2%	$ 124.28	$ 97.15
National	48.3%	$ 99.12	$ 47.87	67.4%	$ 131.93	$ 88.91
Variance	28.9	$ (0.88)	$ 27.98	10.8	$ (7.65)	$ 8.24
Variance %	37%	-1%	37%	14%	-6%	8.5%

Chart A: PVT relative to National hotel numbers. We continue to outpace occupancy and have lessened our ADR deficit when compared to National data as full service and urban market hotels continue to take the brunt of the COVID-19 restrictions.

2020 brought unexpected challenges and while much is still unknown for the short term, what we do know is that we will have to adapt and find ways to overcome and be prepared for multiple outcomes in 2021.

2021 Key Strategies: Flexibility Plan to Change

1. **Deliver room night producing groups for the Roebbelen Center**
2. **Monitor new room night production at the Roebbelen Center and make adjustments for the future**
3. **Prepare for and explore outdoor events and sports as guidance allows for a faster return than indoor sports**
4. **Continue support for existing events and their organization's sustainability**
5. **Build national and regional brand for Placer Valley and the Roebbelen Center**
6. **Strengthen cash position by accumulating available capital for reserves and future projects**

Key Strategy #1: Deliver room night producing events for the Roebbelen Center

LET THE GAMES FINALLY BEGIN!!!!

2020 was definitely impactful but for all the wrong reasons so we're eagerly closing the chapter on 2020 and moving forward into a more prosperous 2021!

But not all was lost in 2020. Prior to COVID-19 shutdowns, two Northern California Volleyball Association (NCVA) tournaments and one basketball tournament hosted by Xtreme Hoops (Hardwood Palace) were able to transpire following the mid-February opening of the Roebbelen Center.

The post-event results were reassuring; the Roebbelen Center will indeed generate incremental room nights while providing an overall economic impact! Organizers, players and families were in awe of the new venue thereby exceeding everyone's expectations including staff. The parking lot was full, the venue was alive and 690 room nights were tracked. And to think this is just a mere start to what the future holds; momentum will not be lost to COVID-19 shutdowns.

While taking full advantage of "downtime", a concerted effort towards rebooking cancelled 2020 events and uncovering new events for 2021 moved to the forefront and became priorities. Time spent towards research, qualifying organizations and solicitation successfully parlayed into more bookings for the Roebbelen Center in 2021 than were originally booked in 2020.

To follow is a brief summary of some events that will have a positive impact on hotel occupancies in 2021:

BASKETBALL:
Nike, Adidas, Under Armour, Zero Gravity, etc. are some of the world renowned "big brand sponsors" affiliated with tournaments being hosted in 2021. Securing branded events is a huge coup with so many other destinations competing for the honor. Branded events tend to showcase an elite level of youth athlete which to our benefit will generate positive exposure for both the Roebbelen Center and Placer Valley. A few of the major events worth highlighting are as follows:

3STEP Sports will host a solo event and partner with Select Events to host a second event. 3STEP is known across the nation for their high-quality tournaments sponsored by Zero Gravity. The tournaments to be

hosted at the Roebbelen Center will feature both boys' and girls' divisions of 3rd - 12th grades and are expected to each generate approximately 300+ room nights for PVT hotels.

Select Events who was previously mentioned will also host their own event; Under Armour Future Circuit in which 100-130 4th - 8th grade teams of boys and girls will descend from all over the West Coast to compete. It is estimated that approximately 400+ room nights will be generated in the tournament's first year.

BAB Events/Grassroots Sports Ventures is eagerly awaiting to finally host West Coast Clash which should have occurred in July 2020. This event rescheduled for 2021 and has since added 2 additional bookings for the Roebbelen Center in August and Labor Day weekend. These 3 Adidas sponsored events will attract upwards of 150 teams each resulting in 300- 750 room nights per event.

Soldiers Basketball is a premier youth basketball league with a prominent Nike Elite Youth Basketball Team. Oakland Soldiers will partner with East Coast company MadeHoops to host the West Winter Circuit Elite Middle School League Championship in combination with an all new open league tournament for qualified teams. Room night production should minimally be around 300+.

Hoop Source Grassroots Basketball is patiently awaiting their first opportunity to kickoff NorCal Rising, one of five new Blue Chip Circuit tournaments. NorCal Rising, a Gatorade sponsored event, will be attended by National Collegiate Athletic Association (NCAA) Division I, II, III coaches as well as recruiters from National Association of Intercollegiate Athletics (NAIA), National Christian College Athletic Association (NCCAA) and Junior College (JUCO)programs. There is a potential of 400-750 room nights to be generated from this premier event.

VOLLEYBALL:
In 2020, volleyball played second fiddle only to basketball but will now take on more dates in 2021 due to the formation of a new league and unremitting solicitation of new event organizers:
Northern California Volleyball Association (NCVA) took full advantage of "downtime" by focusing on the development of their Boys Division. The boys club season runs through the fall and will be filling dates in September, October, November and December. During year one, room night production is expected to be moderate compared to a girls' tournament but will continue to grow year over year.

NCVA will also host three girls' volleyball tournaments in early 2021 which are expected to attract 190 teams each and produce between 300-500 room nights each.

Synergy Force Volleyball (SFV) benefited from "downtime" by joining forces with five other strong clubs in northern California and Reno to create a new league; West Coast Volleyball Association (WCVB). Three new tournaments will be hosted as a result of this newly formed league and will be sanctioned by Junior Volleyball Association rather than USA Volleyball who is the sanctioning body for NCVA.

The owner of SFV formed Elite Event Partners (EEP), and will be hosting 3 additional tournaments with the first beginning over Martin Luther King weekend. The event sold out within days of its announcement with teams from across California and Nevada. The expectations are high for room night production as hotels are already receiving reservations.

In addition to tournament bookings, SFV will continue to contract court time for the purpose of hosting mid-week trainings which provide supplemental income for the Roebbelen Center.

CHEER:
Cheer organizations anxiously await the opportunity in 2021 to host their previously booked 2020 events in the "still new" Roebbelen Center. It goes without saying, Cheer will generate substantial room nights when PVT hotels need them most as events typically occur in January, February, November and December.

Varsity Cheer, the most prominent umbrella organization in the world of cheer, will finally see two different cheer events hosted in 2021:

National Cheerleaders Association (NCA) NorCal Open Championship will kick-off the year with an event in February 2021. Golden State Spirit Association (GSSA) will host their Nor Cal Classic in December 2021. Both events will include Elite, Allstar, Solo and Rec Teams and feature all youth age groups.

JAMZ, a California-based organization will host two back-to-back competitions in November; Battle at the Capitol and Capital City Championship. JAMZ will then return to finally host JAMZ Adrenaline in early January 2022.

WRESTLING:
We had high hopes that our very own signature event, Women's West Coast Tournament of Champions (WWCTOC), would be allowed to take place in December 2020 but sadly it too will be pushed to 2021. On a positive note, discussions about hosting an abbreviated version with just a high school girls' division in May 2021 is being considered as a result of numerous inquiries and interest from athletes and coaches. The goal would be to host the mini WWCTOC in Jones and Johnson Halls at @the Grounds so attendees can physically see the Roebbelen Center and get excited about returning to compete there in December 2021.

GYMNASTICS:
PVT and Byer's Gymnastics were slated to host the 2020 USA Gymnastics (USAG) Level 9 Championship May 8-10 at the Roebbelen Center but due to COVID-19 restrictions could not. Although given the option by USAG to roll-over the event to May 2021, PVT and Byer's mutually agreed to forgo the opportunity and instead create and develop a mega meet during a shoulder month that would ultimately be more viable for Byer's and more beneficial for Placer Valley hotels. Consequently, the Rose Gold Classic will be hosted in mid-February 2021 – annually. To date, the Rose Gold Classic already has 650 registrants with Byer's projecting upwards of 1,000 in all. The potential for room night generation will eventually if not immediately surpass that of a USA Gymnastics championship which makes for an exciting outcome for hotels during a need period.

Key Strategy #2: Monitor new room night production at the Roebbelen Center and make adjustments for the future

ADJUSTING TO OUR BRIGHT FUTURE

With the addition of the Roebbelen Center, the expected room nights generated by this facility could shift traditionally low occupancy periods for the market. PVT will continue to track and analyze occupancy and Average Daily Rate as it impacts the traditional shoulder months of January, February, November and December.

The type of events that will be hosted at the Roebbelen Center will likely have a longer booking lead time which will allow PVT to plan and strategize the next 3-5 years. These events will also have a much stronger impact on the market. Moreover, the need to replace lost or underperforming business will be crucial to the overall ongoing success of the building.

MONITOR AND EVALUATE ROOM NIGHTS:

PVT will monitor and evaluate room night production of events held at the Roebbelen Center in order to maximize growth. Additionally, we will consider length of stay, days of the week and potential for growth when deciding which events to book.

Prior to COVID-19 past room night history showed weekend occupancy rates outpacing midweek business, 77% to 84% comparatively. This past year hotel weekend occupancy rates still outpaced midweek business 58% to 64% comparatively. With the opening of the Roebbelen Center and the calendar of booked events starting to fill-in, the widening between these rates could become more prevalent. As we continue to monitor and evaluate room nights, the need to shift focus to drive midweek business will become a priority.

INCENTING AT ITS BEST:

As eluded to in many of the previously mentioned events, the PVT incentive program also referred to as a “grant program”, has been most effective in attracting and retaining events for Placer Valley. Monetizing organizations for room night production will continue to be a focus in 2021 but to maintain our competitiveness, may need some adjustments to appeal to the quality and sophistication of our new event organizers. For instance, a standard incentive across the U.S. can go as high as $25.00+ per room night. Our standard program is tier-based according to tracked room nights and currently peaks at $8.00 per room night. An additional dollar per room night is added when organizers assist with tracking. Based on the differential between our award and that of the industry’s, a review of the program, numbers, process and eligibility will occur in 2021.

Key Strategy #3: Prepare for and explore outdoor events and sports as guidance allows for a faster return than indoor sports

ARE YOU READY?

Once updated Youth Sports Guidelines are handed down by the State, it is very likely outdoor sports will be allowed to reopen sooner than indoor sports. In anticipation of this, PVT is working with existing partner organizations to find ways to be ready to host events as soon as possible. From Placer Valley specific events, to larger events that could utilize multiple facilities throughout the Sacramento region, PVT is exploring all possible options. At a time when everything is so uncertain, PVT is utilizing all assets and resources to be able to respond quickly when the time comes.

Key Strategy #4: Continue support for existing events and their organization's sustainability

POKE – POKE – POKE

It is critical PVT stays in tune with existing outdoor event organizers and facility operators to make sure they are healthy and ready to host events. Likewise, it's imperative we touch base with all other event organizers for the same reason to stay ahead of any potential obstacles.

PVT's ingredients for maintaining a healthy rapport with event organizers and facility operators are as follows:

Event Organizers

- Call, text, IM, email event organizers to say "hi" and see how they are doing
- Review organization websites and social media posts for updates
- Move forward with gathering event dates for 2021
- Assist with "Back to Play" guidelines
- Evaluate basic needs to determine if PVT can help
- Determine expectations of facilities once play is allowed to begin

Facility Operators (City, County and Private)

- Call, text and email to say "hi" and see how they are doing
- Follow-up for reopening updates
- Determine what type of safety protocols are being implemented and enforced
- Check-in with how venues have been maintained during COVID-19 shutdown
    - Evaluate for potential support from PVT to make improvements as needed
- Find date availability for venue rentals
- Evaluate expectations of user groups

CONTINUING SUPPORT OF EXISTING EVENTS:

While the primary focus will be getting the Roebbelen Center up and running and ensuring those events are successful, we must not lose sight of the events that currently call Placer Valley home. We will continue to support our existing events through the event grant program, marketing assistance and other additional services.

The Event Grant program has proven to be successful at getting event organizers to understand our mission and their impact to the Placer Valley economy. We will continue to encourage and incent event organizers to track their event, as well as collecting the ongoing tracking from PVT hotels. We will also continue to look for new and/or up and coming events that we can potentially leverage with some additional incentives to fill our need periods as we have done in the past through our event development strategy.

Key Strategy #5: Build national and regional brand for Placer Valley and the Roebbelen Center

TIME TO RECOGNIZE!

REBRANDING OF REGION:

Location and branding of the region are challenges PVT manages on a daily basis. With the opening of the Roebbelen Center, the local market now has a better understanding of what we do and how we impact the region. As we started last year, we are pushing to officially put Placer Valley on the map to help lessen the confusion. Through various marketing strategies PVT looks to rebrand the region not only to the local market but also nationally.

We evaluated other regions that have similar issues but were successful at rebranding. Tri-Valley and Conejo Valley, both located in California, were successful by utilizing Wikipedia and Trip Advisor. In 2020, we were able to find success with Wikipedia and hope to find the same with Trip Advisor in the near term.

Locally, we will continue to work with the Cities and business community, focusing on economic development and how we leverage these partnerships to create the Placer Valley region. Additional tools that will be utilized with focused messaging will include social media campaigns, SEO and sponsorship of local events.

HEALTH AND SAFETY RESOURCE:

In order to maximize room night capacities, it will be important that our event organizers and visitors feel safe prior to scheduling their trip. Our website, social media platforms, monthly newsletters and eblasts will be utilized to communicate all of the health and safety protocols our hotels and venues are taking in light of COVID-19. We will also work with the media to re-establish relationships and encourage event coverage for our organizations.

EXPANDED MARKETING OF THE ROEBBELEN CENTER:

Through increased attendance at tradeshows, sponsorships and advertising, PVT will look to capitalize on the momentum of opening the Roebbelen Center through expanded marketing efforts both in the Sacramento Region and Nationally. Not only will this help marketing of the facility but will also increase brand awareness of the Placer Valley region as a whole. Social media will also be a key communications channel as content creation and authenticity in today's marketplace are crucial.

- Possible Tradeshows with Sponsorship Opportunities:
  - TEAMS
  - SportsETA
  - US Sports Congress
  - Connect Sports Marketplace
  - S.P.O.R.TS.
- Print and Digital Opportunities:
  - Sacramento Business Journal
  - Sacramento Magazine
  - Comstock's
  - Sports Destination Management
  - Sports Planning Guide
- Social Media Opportunities:
  - Paid advertising
  - Boost enhancements
  - Geo-targeting

Key Strategy #6: Accumulate available capital for reserves and future projects

FUTURE CASH FLOW

The construction of the Roebbelen Center, renovations of @the Grounds and now COVID-19 has depleted much of the reserves PVT had accumulated over the years. Additionally, in 2020 and the prior two years, PVT has needed to provide support dollars for @the Grounds' operational losses. PVT also has an obligation to repay the City of Roseville for the long field project that did not materialize due to previously unknown environmental restraints. There are currently many conceptual projects the Board has discussed that may change due to the evolving needs of an unknown future. Moving forward, PVT will become more stringent to improve our cash position so we are prepared for challenges and/or projects that may arise.

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Placer Valley Tourism

2021 Budget

		2021 Budget	Budget 2020	2020 Total Year Projection	Budget 2021 vs Budget 2020	Budget 2021 vs 2020 Projections
Revenues						
Net Hotel Assessment to PVT	1	1,814,069	2,740,250	1,624,430	(926,181)	189,639
				-	-	-
Other Revenues:				-	-	-
7010 · Interest Income	2	2,500	20,000	35,379	(17,500)	(32,879)
7020 · County Shares Grant			-	10,000	-	(10,000)
Subtotal		2,500	20,000	35,379	(17,500)	(32,879)
				-	-	-
TOTAL REVENUES		1,816,569	2,760,250	1,659,809	(943,681)	156,760
				-	-	
Expenses				-	-	
Projects:				-	-	
4100 · Marketing	3	200,000	400,000	293,127	(200,000)	(93,127)
4140 · Tourism Study		9,000	12,000	9,000	(3,000)	-
4160 · Professional Development		8,000	8,000	4,198	-	3,802
4250 · Event Support	4	300,000	475,000	93,628	(175,000)	206,372
4550 · Board/Staff Development		16,000	16,000	8,812	-	7,188
4800 · Web Site		20,000	20,000	22,588	-	(2,588)
4900 · Community Events	5	40,000	50,000	28,034	(10,000)	11,966
Total Projects		593,000	981,000	459,387	(388,000)	133,613
				-	-	-
Payroll Expenses:				-	-	-
2210-2220 · Salaries + Hourly Wages	6	520,000	660,000	487,097	(140,000)	32,903
2300-2400 · Payroll Taxes and W/C Ins		45,000	60,000	40,496	(15,000)	4,504
2450 · Incentive		20,000	60,000	47,063	(40,000)	(27,063)
2500-2600 · Employee Benefits		90,000	96,000	80,373	(6,000)	9,627
2650 · Temp Labor			-	165	-	(165)
Total Payroll		675,000	876,000	655,194	(201,000)	19,806
				-	-	

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Placer Valley Tourism

2021 Budget

		2021 Budget	Budget 2020	2020 Total Year Projection	Budget 2021 vs Budget 2020	Budget 2021 vs 2020 Projections
Operations:				-	-	
3090 · Common Area Maintenance/Assoc Dues		12,500	11,000	11,239	1,500	1,261
3110 · Janitorial/Maintenance		7,000	3,000	4,154	4,000	2,846
3200 · Utilities		6,000	4,000	4,996	2,000	1,004
3300 · Telephone		4,500	4,500	4,394	-	106
3155 · Office Supplies		7,000	14,000	7,012	(7,000)	(12)
3400 · Insurance-Liability/D&O		6,500	6,500	5,994	-	506
3600 · Postage and Delivery		1,500	1,500	1,120	-	380
3700 · Accounting and Payroll		3,500	3,500	3,714	-	(214)
3990 · Property Tax		6,300	6,000	6,218	300	82
3810 · Dues and Subscriptions		6,000	6,000	3,574	-	2,426
3820 · Legal and Professional	7	14,000	13,000	55,049	1,000	(41,049)
3831 · Expense Reimbursement-Travel		12,000	12,000	8,404	-	3,596
3832 · Expense Reimbursement-Meals		10,000	10,000	2,835	-	7,165
3850 · Audit Fee		7,000	8,000	6,000	(1,000)	1,000
3900 · City of Roseville Admin Fee		3,000	2,800	2,800	200	200
Total Operations		106,800	105,800	127,503	1,000	(20,703)
				-	-	-
SUBTOTAL EXPENSES		1,374,800	1,962,800	1,242,084	1,625,483	132,716
				-	-	-
Special Projects:				-	-	-
4855 · Major Projects Rollover	8	50,000	50,000	50,000	-	-
4880 · Major Projects			100,000	-	(100,000)	-
Total Special Projects		50,000	150,000	50,000	(100,000)	-
				-	-	-
				0	0	-
Grand Total Expense		1,424,800	2,112,800	1,292,084	1,725,483	132,716
				-		-
Revenue Over Entire Expense		391,769	647,450	367,725	592,086	24,045
Repay Roseville long fields	9	200,000				
ATG support back stop loss	10	200,000				
PVT available cash		(8,231)				

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Placer Valley Tourism

2021 Budget

1	Based upon a annual 62% occupancy. This should be a conservative number. 2020 may exceed this.							
2	Interest significantly reduced since we don't have the capital that was used to build center to earn interest.							
3	Marketing reduction due to no grand opening and reduced Superlative costs and reduced trade show sponsorships.							
4	Event development reduction from Budget 2020 due to reduced event development and contract costs as well as more 3rd party housing for many of ATG events.							
5	Community events and sponsorship reduced from budget.							
6	Payroll reduced due to one less position and one unfilled sales position from 2020 budget.							
7	Legal and professional back to more normalized. The major change in 2020 was all of the work on new county agreement.							
8	Technically ATG has only used $50,000 of total grant project in 2020. PVT could always rescind the grant if we need to in 2021							
9	We will ask City of Roseville to see if we can delay the start of our repayment till 2022							
10	PVT provides the backstop for any ATG losses.							

These are for you to see how occupancy change will affect revenue.

			Rooms daily	***Annual***	62%	*65%*	*68%*	
			2,631	*960,315*	595,395	624,205	653,014	
					3,870,069	4,057,331	4,244,592	
				Bond Payment	2,056,000	2,056,000	2,056,000	
				net assessments	1,814,069	2,001,331	2,188,592	

COUNCIL COMMUNICATION

CC #: 1258
File #: 0900-04-01 & 0201-01

Title:	2018 Regional Surface Transportation Program Arterial Resurfacing Project - Award of Contract and Budget Adjustment
Contact:	Jesse Khatkar 916-774-5434 jskhatkar@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 7.18.

RECOMMENDATION TO COUNCIL

Staff recommends that City Council:

1. Adopt a resolution awarding the 2018 Regional Surface Transportation Program (RSTP) Arterial Resurfacing Project to A. Teichert & Son, Inc. dba Teichert Construction, and authorizing the City Manager to execute it on behalf of the City of Roseville. Staff also requests authorization for the City Manager or designee to approve change orders up to 15% as a construction contingency; and

2. Adopt an ordinance approving a budget adjustment in the amount of $8,357,422 in Regional Surface Transportation Program funds.

BACKGROUND

The scope of this project includes:

- Replacement of failed sections of asphalt roadway pavement;
- Resurfacing;
- Curb ramp reconstruction to comply with ADA requirements; and
- Replacement of signal detector loops at various locations throughout the City.

The streets included in the project are portions of (see attached map for locations):

- Blue Oaks Blvd.;
- Cirby Way;
- Estates Dr.;
- Eureka Rd.;
- Foothills Blvd.;
- Folsom Rd.;
- Harding Blvd.;

- Orlando Ave.;
- Pleasant Grove Blvd.;
- Riverside Ave.;
- East Roseville Pkwy.;
- Sierra College Blvd.;
- Sutter Ave.;
- Stanford Ranch Rd.;
- Vernon St.;
- Douglas Blvd; and
- Woodcreek Oaks Blvd.

The sections of road chosen for maintenance were identified as the best locations to prioritize our road maintenance funding by the City's Pavement Management System. The System optimizes maintenance priorities by balancing the resurfacing needs throughout the City with the amount of available funding. The goal is to provide the overall best roads the City can afford.

On July 10, 2019, the City Council approved the plans and specifications for the project and authorized staff to call for bids. Six bids were received and opened on November 9, 2020. The three lowest bids and the Engineers estimate are shown below. The low bid came in approximately $1,200,000 below the engineers estimate. The lower costs can be partly attributed to the large size of the project and the early advertisement of the project.

Bid Summary	
Bidder's Name	**Amount**
Engineer's Estimate	$7,600,000
Teichert Construction	$6,397,758
Martin Brothers Construction	$6,996,261
Central Valley Engineering & Asphalt	$7,216,845

It is anticipated construction will begin in early spring and be completed by late fall of 2021. All multi-lane roads will remain open during construction. Single lane (one lane in each direction) collector roads may require temporary construction closures. Staff will work with the contractor to ensure that ample notice is provided to the public and that detours are in place. Working hours will vary depending upon the specific traffic characteristics of each roadway. Due to high traffic volumes, night work will be required on various arterial roadway segments throughout the project.

The design of this project was originally budgeted with the establishment of a new CIP titled the 2017 Arterial Resurfacing project during the FY2016-17 budget development process. Construction has been delayed due to staff resources and shifting priorities. The project title was changed to the year staff originally began the federal funding project authorization process.

PUBLIC OUTREACH

Public Affairs & Communications staff will inform residents and businesses about the project benefits and construction impacts through a variety of methods including, but not limited to:

- Direct mail;

- Signage;
- Social media;
- Web; and
- Email notifications.

More details about the project will be shared at roseville.ca.us/resurfacing. Informational mailers will be sent to residents and businesses adjacent to the construction.

FISCAL IMPACT

This project is funded through $898,730 in Highway Infrastructure Program (HIP) grant funds and two Regional Surface Transportation Program (RSTP) allotments; approximately $4.9 million from 2020 and $2.5 million in funds advanced from 2023. The recommended budget adjustment totaling $8.3 million will fully fund construction, construction contingency, and construction management. No General Fund resources are allocated for this project.

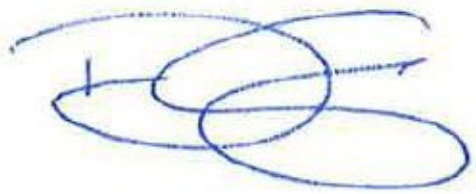
ENVIRONMENTAL REVIEW

The proposed project involves the repair, maintenance, and minor alteration of existing facilities. This activity is categorically exempt from CEQA as a Class 1 Exemption (State CEQA Guidelines Section 15301). The Exemption has been prepared and no further CEQA action is required.

Respectfully Submitted,

Jesse Khatkar, Assistant Engineer

Jason Shykowski, Public Works Director



_____
Dominick Casey, City Manager

ATTACHMENTS:

Description

Resolution 21-041

Contract

Project Location Map

Ordinance 6326

Budget Adjustment

RESOLUTION NO. 21-041

APPROVING AN AGREEMENT, BY AND BETWEEN THE CITY OF ROSEVILLE AND A. TEICHERT & SON, INC. DBA TEICHERT CONSTRUCTION, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE

WHEREAS, an Agreement regarding the 2018 Regional Surface Transportation Program Arterial Resurfacing Project, by and between the City of Roseville and A. Teichert & Son, Inc. dba Teichert Construction, has been reviewed by City Council; and

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Roseville that said Agreement is hereby approved and that the City Manager is authorized to execute it on behalf of the City of Roseville; and

BE IT FURTHER RESOLVED that the City Manager or his designee is authorized to approve change orders for the project, consistent with the contract terms, provided that the net cost of all change orders shall not exceed ten percent (15%) of the contract price.

PASSED AND ADOPTED by the Council of the City of Roseville this____day of _____, 2021, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk

AGREEMENT

THIS AGREEMENT, is made and entered into this _____day of _____, 20_____, by and between the City of Roseville, a municipal corporation, ("CITY"), and A. Teichert & Son dba Teichert Construction, a Corporation, ("CONTRACTOR"); and

WITNESSETH:

WHEREAS, the City Council of the CITY, at a meeting held on the 10th day of July, 2019, approved plans and specifications for the 2018 RSTP Arterial Resurfacing Project and directed the City Clerk to advertise for sealed proposals for doing said work and providing that bids be submitted on the 9th day of November, 2020; and

WHEREAS, the City Clerk, thereafter duly and regularly caused a notice to be published in the manner and for the time prescribed by law; and

WHEREAS, CONTRACTOR, pursuant to the provisions of said notice duly filed a bid with the City Clerk, a true copy of which bid is now on file in the office of the City Clerk, and is hereby referred to and by this reference made a part hereof as fully as if set forth at length herein; and

WHEREAS, all bids received pursuant to said notice were opened and examined and publicly declared at the time specified in said advertisement for bids and at a meeting of the City Council held on the 3rd day of February, 2021, the Council found and

declared the bid of CONTRACTOR to be the lowest responsible bid and thereupon awarded a contract to CONTRACTOR to do the work referred to in the aforementioned specifications.

NOW, THEREFORE, the parties agree as follows:

1. THE WORK. CONTRACTOR agrees:

a. To do the work and furnish all the labor, materials, tools, supplies, equipment, superintendence, insurance, and bonds required for the 2018 RSTP Arterial Resurfacing Project _____ in accordance with the Contract Documents (the Work).

b. To do and perform the Work contemplated hereby in a good and workmanlike manner under the direction of and to the satisfaction of the Director of Public Works of the City of Roseville.

2. PAYMENT. CITY shall pay CONTRACTOR Six Million Three Hundred Ninety Seven Thousand Seven Hundred Fifty Eight dollars ($ 6,397,758.00) for the Work to be done under this Agreement in accordance with the Contract Documents.

3. CONTRACT DOCUMENTS. The complete Agreement between the parties hereto consists of the following documents:

a. The advertisement for bids (including the notice to bidders, instructions to bidders and proposals);

b. The accepted bid;

c. Plans and specifications (including standard construction specifications, special provisions and construction details);

d. Bonds and insurance required by the specifications; and

e. This contract.

All documents specified above are intended to operate so that any work called for in any one and not mentioned in the other, or vice versa, is to be executed the same as if mentioned in all said documents.

4. LIQUIDATED DAMAGES. In the event CONTRACTOR does not complete the Work within the time specified, CONTRACTOR agrees that CITY will suffer damages. Inasmuch as the actual damages which would result from such breach by CONTRACTOR under this Agreement are uncertain, and would be impractical or extremely difficult to fix, CONTRACTOR agrees that it shall pay, or CITY shall deduct from CONTRACTOR's fee, the amount of $ 5400 per day as liquidated damages, in the event of such delay.

5. TIME OF COMPLETION. Time is of the essence of this Agreement. CONTRACTOR shall complete all Work under the Contract Documents within 135 Days of the date of this Contract. CONTRACTOR shall begin work by the date specified in the "Notice to Proceed" letter and shall diligently prosecute all of the Work under this Contract in all parts and requirements as defined in the Contract Documents.

6. SERVICE OF NOTICE. Any notice required or permitted to be given under this Agreement shall be deemed given when (a) personally delivered to the recipient identified below; (b) mailed by registered or certified mail, return receipt requested, postage pre-paid, to the address specified below; or (c) sent by facsimile, with confirmation of receipt, to the facsimile number identified below.

CITY OF ROSEVILLE	CONTRACTOR
Public Works - Engineering	Kyle Deller, Project Manager
311 Vernon St	4401 Duluth Ave.
Roseville CA 95678	Rocklin, CA 95765
(916)746-1300	916-645-4800

CITY may also act through either its architect or construction manager if CITY expressly gives notice to CONTRACTOR, in writing, that CITY's designee has authority to act for CITY in a specific capacity.

7. DISPUTES. Disputes arising from this Agreement will be determined in accordance with the Contract Documents and Public Contract Code Sections 10240-10240.13.

8. GOVERNING LAW. This Agreement shall be governed by and construed in accordance with the laws of the State of California.

9. INDEPENDENT CONTRACTOR. CONTRACTOR shall act as an independent contractor, and covenants and agrees that it will conduct itself consistent with such status, that it will neither hold itself out as, nor claim to be, an officer or employee of CITY by reason of this Agreement.

10. SUCCESSORS IN INTEREST. This Agreement shall be binding upon the heirs, successors, executors, administrators and assigns of the respective parties hereto.

11. MODIFICATION. This Agreement and each provision contained herein may be waived, amended, supplemented or eliminated only by mutual written agreement of the parties.

12. SEVERABILITY. If any of the provisions contained in this Agreement are for any reason held invalid or unenforceable, such holding shall not affect the remaining provisions or the validity and enforceability of the Agreement as a whole.

13. INTEGRATED AGREEMENT. This is an integrated agreement and contains all of the terms, considerations, understanding and promises of the parties. It shall be read as a whole.

14. CONTRACTORS LICENSE LAW. CONTRACTORS ARE REQUIRED BY LAW TO BE LICENSED AND REGULATED BY THE CONTRACTORS' STATE LICENSE BOARD WHICH HAS JURISDICTION TO INVESTIGATE COMPLAINTS AGAINST CONTRACTORS IF A COMPLAINT REGARDING A PATENT ACT OR OMISSION IS FILED WITHIN FOUR (4) YEARS OF THE DATE OF THE ALLEGED VIOLATION. A COMPLAINT REGARDING A LATENT ACT OR OMISISON PERTAINING TO STRUCTURAL DEFECTS MUST BE FILED WITHIN TEN (10) YEARS OF THE DATE OF THE ALLEGED VIOLATION. ANY QUESTIONS CONCERNING A CONTRACTOR MAY BE REFERRED TO THE REGISTRAR, CONTRACTORS' STATE LICENSE BOARD, P.O. BOX 26000, SACRAMENTO, CALIFORNIA 95826.

15. FEDERAL CONTRACTING REQUIREMENTS. CONTRACTOR shall adhere to all requirements set forth in the FHWA-1273 form entitled "Required Contract Provisions Federal-Aid Construction Contracts" which is attached hereto in its entirety as Exhibit "A" and incorporated herein by this reference. The current wage determination for federal minimum wage rates established by the United States Secretary of Labor referenced in Section IV of Exhibit "A" is set forth in Exhibit "B," also attached hereto and incorporated herein by this reference.

IN WITNESS WHEREOF, the City of Roseville, a municipal corporation, has authorized the execution of this Agreement in duplicate by its City Manager and attestation by its City Clerk under authority of Resolution No. _____, adopted by the Council of the City of Roseville on the ____day of _____, 20_____, and CONTRACTOR has caused this Agreement to be duly executed.

CITY OF ROSEVILLE, a municipal corporation

BY: _____
DOMINICK CASEY
City Manager

ATTEST:

BY: _____
SONIA OROZCO
City Clerk

APPROVED AS TO FORM:

BY: _____
ROBERT R. SCHMITT
City Attorney

APPROVED AS TO SUBSTANCE:

BY: _____

Print Name: Jason Shykowski

Title: Public Works Director

A. Teichert & Son dba Teichert Construction, a Corporation

BY: _____
its: Eric Stannard, Vice President

and

BY: _____
its: _____

A. TEICHERT & SON, INC., 3500 American River Drive, Sacramento, California 95864

I, PAULA D. JAMES, Secretary of A. TEICHERT & SON, INC., a California Corporation, which does business under the fictitious names of TEICHERT CONSTRUCTION, TEICHERT MATERIALS, TEICHERT AGGREGATES, TEICHERT ROCK PRODUCTS, and TEICHERT WATERWORK SERVICES, as well as under its own name, certify that the following is a true and correct copy of a resolution unanimously passed and adopted by the Board of Directors of this corporation at a meeting held on May 13, 2020:

RESOLVED, That

	MARY T. TEICHERT	President
and	RONALD L. GATTO	Executive Vice President, Chief Financial Officer & Assistant Secretary
and	PAULA D. JAMES	Secretary

any two of whom acting in combination, are authorized on behalf of this corporation and in its name or in any of the fictitious names under which this corporation does business, to sign, seal, acknowledge, verify and deliver deeds, deeds of trust, mortgages, pledges, transfers, promissory notes, and any other documents and instruments relating to the business and properties, real and personal, of this corporation;

RESOLVED FURTHER, That the following officers of this corporation:

Mary T. Teichert	President
Ronald L. Gatto	Executive Vice President, Chief Financial Officer & Assistant Secretary
David A. Swartz	Executive Vice President
Dana M. Davis	Senior Vice President
A. Ed Herrnberger	Senior Vice President & General Manager
Christopher C. Barkley	Vice President, Director Field Operations
Clark J. Hulbert	Vice President Organizational Development
Francis C. Johnson	Vice President & Regional Manager, Bay Area
Scott R. Lewis	Vice President & Regional Manager, Greater Sacramento
Timothy B. Murphy	Vice President, Manager Mobile Equipment
Mark A. Nilsen	Vice President & Regional Manager, Central Valley
Eric D. Stannard	Vice President Public Works
Paula D. James	Secretary
Christopher M. McCaffree	Treasurer
Kathy Radley-Timberlake	Controller

are authorized, acting alone or in any combination, on behalf of this corporation and in its name or in any of the fictitious names under which this corporation does business, to execute and deliver proposals, bids, bonds, contracts, and agreements for construction work; and to do all other acts of a business nature that this corporation is empowered to do by law;

RESOLVED FURTHER, That the following employees of this corporation:

Wee Chu	Senior Estimator, North Region
Rick Czuleger	Chief Estimator, North Region
Jeff Feusi	Chief Estimator, North Region
Jim Gallagher	Area Manager, Bay Area Region
Darryl Hansen	Senior Estimator, North Region
Stephen Muck	Area Manager, North Region
Tom Musson	Chief Estimator, Central Valley Region
Raul Ortiz	Area Manager, Central Valley Region
Bryan Ramirez	Area Manager, North Region
Nathan Rinaldi	Senior Estimator, Central Valley Region
Alexander Salcedo	Area Manager, South Valley Region
Janez Seliskar	Chief Estimator, Central Valley Region
Mike Stephenson	Senior Estimator, Bay Area Region
Jason Theriault	Chief Estimator, Bay Area Region

are designated as attorneys in fact of this corporation with full authority to execute proposals, bids, bonds, contracts, and agreements for construction work;

RESOLVED FURTHER, That the following employee of this corporation:

Sean Collins	Credit & Contracts Manager

is designated as attorney in fact of this corporation with full authority to execute credit agreements, credit settlement agreements, lien rights, contracts and other documents relating to the credit and contracts for this corporation.

DATED: January 7, 2021

Paula D. James
Secretary of A. Teichert & Son, Inc.

EXHIBIT "A"

FHWA-1273 Form

REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS

I. General
II. Nondiscrimination
III. No segregated Facilities
IV. Davis-Bacon and Related Act Provisions
V. Contract Work Hours and Safety Standards Act Provisions
VI. Subletting or Assigning the Contract
VII. Safety: Accident Prevention
VIII. False Statements Concerning Highway Projects
IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
X. Compliance with Government wide Suspension and Debarment Requirements
XI. Certification Regarding Use of Contract Funds for Lobbying

ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

I. GENERAL

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under Title 23 (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services). The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in bid proposal or request for proposal documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors.

II. NONDISCRIMINATION

The provisions of this section related to 23 CFR Part 230 are applicable to all Federal-aid construction contracts and to all related construction subcontracts of $10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR 60, 29 CFR 1625-1627, Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding $10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR 60, and 29 CFR 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), and Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR 230, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

1. Equal Employment Opportunity: Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630, 29 CFR 1625-1627, 41 CFR 60 and 49 CFR 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract.

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

2. EEO Officer: The contractor will designate and make known to the contracting officers and EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting and active EEO program and who must be assigned adequate authority and responsibility to do so.

3. Dissemination of Policy: All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

4. Recruitment: When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

5. Personnel Actions: Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

6. Training and Promotion:

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

7. Unions: If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

8. Reasonable Accommodation for Applicants / Employees with Disabilities: The contractor must be familiar with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established there under. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment: The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors and suppliers and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

10. Assurance Required by 49 CFR 26.13(b):

a. The requirements of 49 CFR Part 26 and the State DOT's U.S. DOT-approved DBE program are incorporated by reference.

b. The contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the contracting agency deems appropriate.

11. Records and Reports: The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women.

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on Form FHWA-1391. The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of $10,000 or more.

The contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location, under the contractor's control, where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding $2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size). The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. Contracting agencies may elect to apply these requirements to other projects.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

1. Minimum wages

a. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.d. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph 1.b. of this section) and the Davis-Bacon poster (WH–1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b. (1) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is utilized in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(3) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. The Wage and Hour Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(4) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs 1.b.(2) or 1.b.(3) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

c. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

d. If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

2. Withholding

The contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor under this contract, or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the contracting agency may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

3. Payrolls and basic records

a. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

b. (1) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the contracting agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g. , the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH–347 is available for this purpose from the Wage and Hour Division Web site at http://www.dol.gov/esa/whd/forms/wh347instr.htm or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the contracting agency for transmission to the State DOT, the FHWA or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the contracting agency.

(2) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(i) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(ii)That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(3) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH–347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(2) of this section.

(4) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

c. The contractor or subcontractor shall make the records required under paragraph 3.a. of this section available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the FHWA may, after written notice to the contractor, the contracting agency or the State DOT, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

4. Apprentices and trainees

a. Apprentices (programs of the USDOL).

Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

b. Trainees (programs of the USDOL).

Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration.

The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration.

Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

d. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

6. Subcontracts. The contractor or subcontractor shall insert Form FHWA-1273 in any subcontracts and also require the subcontractors to include Form FHWA-1273 in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

7. Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

9. Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility.

a. By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

c. The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

The following clauses apply to any Federal-aid construction contract in an amount in excess of $100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

1. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1.) of this section, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph(1.) of this section, in the sum of $10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1.) of this section.

3. Withholding for unpaid wages and liquidated damages. The FHWA or the contacting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2.) of this section.

4. Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1.) through (4.) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1.) through (4.) of this section.

VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term "perform work with its own organization" refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions:

(1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;
(2) the prime contractor remains responsible for the quality of the work of the leased employees;
(3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and
(4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract.

2. The contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. The contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

5. The 30% self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements.

VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C.3704).

VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

By submission of this bid/proposal or the execution of this contract, or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any person who is or will be utilized in the performance of this contract is not prohibited from receiving an award due to a violation of Section 508 of the Clean Water Act or Section 306 of the Clean Air Act.
2. That the contractor agrees to include or cause to be included the requirements of paragraph (1) of this Section X in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements.

X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost $25,000 or more – as defined in 2 CFR Parts 180 and 1200.

1. Instructions for Certification – First Tier Participants:

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (https://www.epls.gov/), which is compiled by the General Services Administration.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

* * *

2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency;

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

2. **Instructions for Certification - Lower Tier Participants:**

(Applicable to all subcontracts, purchase orders and other lower tier transactions requiring prior FHWA approval or estimated to cost $25,000 or more - 2 CFR Parts 180 and 1200)

a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (https://www.epls.gov/), which is compiled by the General Services Administration.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

* * * * *

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

* * * * *

XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed $100,000 (49 CFR 20).

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed information of participant is not required to exceed that which is $100,000 and that all such recipients shall certify and disclose accordingly.

EXHIBIT "B"

Federal Minimum Wage Rates

"General Decision Number: CA20200007 10/23/2020

Superseded General Decision Number: CA20190007

State: California

Construction Types: Building, Heavy (Heavy and Dredging) and Highway

Counties: Alpine, Amador, Butte, Colusa, El Dorado, Glenn, Lassen, Marin, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, Shasta, Sierra, Siskiyou, Solano, Sonoma, Sutter, Tehama, Trinity, Yolo and Yuba Counties in California.

BUILDING CONSTRUCTION PROJECTS (excluding Amador County only); DREDGING CONSTRUCTION PROJECTS (does not include hopper dredge work); HEAVY CONSTRUCTION PROJECTS (does not include water well drilling); AND HIGHWAY CONSTRUCTION PROJECTS

Note: Under Executive Order (EO) 13658, an hourly minimum wage of $10.80 for calendar year 2020 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least $10.80 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2020. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate,if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/03/2020
1	01/24/2020
2	01/31/2020
3	03/06/2020
4	03/13/2020
5	04/17/2020
6	05/08/2020
7	06/12/2020
8	06/19/2020
9	07/03/2020
10	07/10/2020
11	07/17/2020
12	07/24/2020
13	07/31/2020
14	08/07/2020
15	08/14/2020

16	08/21/2020
17	08/28/2020
18	09/04/2020
19	09/11/2020
20	09/18/2020
21	10/02/2020
22	10/09/2020
23	10/16/2020
24	10/23/2020

ASBE0016-001 01/01/2020

AREA 1: MARIN, NAPA, SAN BENITO, SAN FRANCISCO, SOLANO, & SONOMA COUNTIES

AREA 2: ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHEMA, TRINITY, YOLO, & YUBA COUNTIES

	Rates	Fringes
Asbestos Workers/Insulator (Includes the application of all insulating materials, Protective Coverings, Coatings, and Finishes to all types of mechanical systems)		
Area 1	$ 71.16	23.39
Area 2	$ 54.26	23.39

ASBE0016-007 01/01/2019

AREA 1 : ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SOLANO, SONOMA, SUTTER, TEHAMA, TRINITY, YOLO & YUBA COUNTIES

AREA 2: MARIN & NAPA COUNTIES

	Rates	Fringes
Asbestos Removal worker/hazardous material handler (Includes preparation, wetting, stripping, removal, scrapping, vacuuming, bagging and disposing of all insulation materials from mechanical systems, whether they contain asbestos or not)		
AREA 1	$ 30.81	22.71
AREA 2	$ 36.53	9.27

BOIL0549-002 10/01/2016

	Rates	Fringes
BOILERMAKER		
(1) Marin & Solano Counties	$ 43.28	37.91
(2) Remaining Counties	$ 39.68	35.71

BRCA0003-001 08/01/2020

	Rates	Fringes
MARBLE FINISHER	$ 36.53	17.08

BRCA0003-004 05/01/2019

AREA 1: ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SUTTER, TEHAMA, YOLO AND YUBA COUNTIES

AREA 2: MARIN, NAPA, SISKIYOU, SOLANO, SONOMA AND TRINITY COUNTIES

	Rates	Fringes
BRICKLAYER		
AREA 1	$ 43.24	21.63
AREA 2	$ 45.92	26.70

SPECIALTY PAY:
(A) Underground work such as tunnel work, sewer work, manholes, catch basins, sewer pipes and telephone conduit shall be paid $1.25 per hour above the regular rate. Work in direct contact with raw sewage shall receive $1.25 per hour in addition to the above.
(B) Operating a saw or grinder shall receive $1.25 per hour above the regular rate.
(C) Gunite nozzle person shall receive $1.25 per hour above the regular rate.

BRCA0003-008 07/01/2019

	Rates	Fringes
TERRAZZO FINISHER	$ 37.58	17.33
TERRAZZO WORKER/SETTER	$ 48.53	26.84

BRCA0003-010 04/01/2019

	Rates	Fringes
TILE FINISHER		
Area 1	$ 27.31	14.75
Area 2	$ 27.10	16.50
Area 3	$ 29.94	16.38
Area 4	$ 28.06	15.82
Tile Layer		
Area 1	$ 45.51	17.64
Area 2	$ 45.15	19.06
Area 3	$ 49.90	19.16
Area 4	$ 46.77	19.08

AREA 1: Butte, Colusa, El Dorado, Glenn, Lassen, Modoc, Nevada, Placer, Plumas, Sacramento, Shasta, Sierra, Sutter, Tehema, Yolo, Yuba
AREA 2: Alpine, Amador
AREA 3: Marin, Napa, Solano, Siskiyou
AREA 4: Sonoma

BRCA0003-014 08/01/2020

	Rates	Fringes
MARBLE MASON	$ 51.30	28.47

CARP0034-001 07/01/2020

	Rates	Fringes
Diver		
Assistant Tender, ROV Tender/Technician	$ 51.90	34.02
Diver standby	$ 58.09	34.02
Diver Tender	$ 57.09	34.02
Diver wet	$ 101.42	34.02
Manifold Operator (mixed gas)	$ 62.09	34.02
Manifold Operator (Standby)	$ 57.09	34.02

DEPTH PAY (Surface Diving):
050 to 100 ft $2.00 per foot
101 to 150 ft $3.00 per foot
151 to 220 ft $4.00 per foot
221 ft.-deeper $5.00 per foot

SATURATION DIVING:
The standby rate shall apply until saturation starts. The saturation diving rate applies when divers are under pressure continuously until work task and decompression are complete. The diver rate shall be paid for all saturation hours.

DIVING IN ENCLOSURES:
Where it is necessary for Divers to enter pipes or tunnels, or other enclosures where there is no vertical ascent, the following premium shall be paid: Distance traveled from entrance 26 feet to 300 feet: $1.00 per foot. When it is necessary for a diver to enter any pipe, tunnel or other enclosure less than 48"" in height, the premium will be $1.00 per foot.

WORK IN COMBINATION OF CLASSIFICATIONS:
Employees working in any combination of classifications within the diving crew (except dive supervisor) in a shift are paid in the classification with the highest rate for that shift.

CARP0034-003 07/01/2020

	Rates	Fringes
Piledriver	$ 52.90	34.02

CARP0035-001 08/01/2020

AREA 1: MARIN, NAPA, SOLANO & SONOMA

AREA 3: SACRAMENTO, WESTERN EL DORADO (Territory west of an including highway 49 and the territory inside the city limits of Placerville), WESTERN PLACER (Territory west of and including highway 49), & YOLO

AREA 4: ALPINE, BUTTE, COLUSA, EASTERN EL DORADO, GLENN, LASSEN, MODOC, NEVADA, EASTERN PLACER, PLUMAS, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHAMA, TRINITY, & YUBA

	Rates	Fringes
Drywall Installers/Lathers:		
Area 1	$ 50.50	30.64
Area 3	$ 47.27	31.26
Area 4	$ 45.92	31.26
Drywall Stocker/Scrapper		
Area 1	$ 25.25	17.86
Area 3	$ 23.64	18.22
Area 4	$ 22.97	18.22

CARP0035-009 07/01/2020

Marin County

	Rates	Fringes
CARPENTER		
Bridge Builder/Highway Carpenter	$ 52.65	30.82
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer	$ 52.80	30.82
Journeyman Carpenter	$ 52.65	30.82
Millwright	$ 52.75	32.41

CARP0035-010 07/01/2017

AREA 1: Marin, Napa, Solano & Sonoma Counties

AREA 2: Monterey, San Benito and Santa Cruz

AREA 3: Alpine, Butte, Colusa, El Dorado, Glenn, Lassen, Modoc, Nevada, Placer, Plumas, Sacramento, Shasta, Sierra, Siskiyou, Sutter, Tehama, Trinity, Yolo & Yuba counties

	Rates	Fringes
Modular Furniture Installer		
Area 1		
Installer I	$ 24.91	19.63
Installer II	$ 22.18	20.42
Lead Installer	$ 29.06	20.92
Master Installer	$ 33.28	20.92
Area 2		
Installer I	$ 22.96	20.42
Installer II	$ 20.01	20.42
Lead Installer	$ 25.93	20.92
Master Installer	$ 29.56	20.92
Area 3		
Installer I	$ 22.01	20.42
Installer II	$ 19.24	20.42
Lead Installer	$ 24.81	20.92
Master Installer	$ 31.83	20.92

CARP0046-001 07/01/2020

El Dorado (West), Placer (West), Sacramento and Yolo Counties

	Rates	Fringes

Carpenters		
Bridge Builder/Highway Carpenter	$ 52.65	30.82
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer	$ 46.92	30.82
Journeyman Carpenter	$ 46.77	30.82
Millwright	$ 49.27	32.41

Footnote: Placer County (West) includes territory West of and including Highway 49 and El Dorado County (West) includes territory West of and including Highway 49 and territory inside the city limits of Placerville.

CARP0046-002 07/01/2020

Alpine, Colusa, El Dorado (East), Nevada, Placer (East), Sierra, Sutter and Yuba Counties

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter	$ 52.65	30.82
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer	$ 45.57	30.82
Journeyman Carpenter	$ 44.42	30.82
Millwright	$ 47.92	32.41

CARP0152-003 07/01/2020

Amador County

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter	$ 52.65	30.82
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer	$ 45.57	30.82
Journeyman Carpenter	$ 45.42	30.82
Millwright	$ 47.92	32.41

CARP0180-001 07/01/2020

Solano County

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter	$ 52.65	30.82
Hardwood Floorlayer, Shingler, Power Saw		

Operator, Steel Scaffold &
Steel Shoring Erector, Saw
Filer.....$ 52.80 30.82
Journeyman Carpenter.....$ 52.65 30.82
Millwright.....$ 52.75 32.41

CARP0751-001 07/01/2020

Napa and Sonoma Counties

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter	$ 52.65	30.82
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer	$ 52.80	30.82
Journeyman Carpenter	$ 52.65	30.82
Millwright	$ 52.75	32.41

CARP1599-001 07/01/2020

Butte, Glenn, Lassen, Modoc, Plumas, Shasta, Siskiyou, Tehama and Trinity Counties

	Rates	Fringes
Carpenters		
Bridge Builder/Highway Carpenter	$ 52.65	30.82
Hardwood Floorlayer, Shingler, Power Saw Operator, Steel Scaffold & Steel Shoring Erector, Saw Filer	$ 45.57	30.82
Journeyman Carpenter	$ 45.42	30.82
Millwright	$ 47.92	32.41

ELEC0180-001 06/01/2020

NAPA AND SOLANO COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 58.51	24.74
ELECTRICIAN	$ 52.01	24.54

ELEC0180-003 12/01/2019

NAPA AND SOLANO COUNTIES

	Rates	Fringes
Sound & Communications		
Installer	$ 40.31	3%+19.80
Technician	$ 46.36	3%+19.80

SCOPE OF WORK INCLUDES-
SOUND & VOICE TRANSMISSION (Music, Intercom, Nurse Call, Telephone); FIRE ALARM SYSTEMS [excluding fire alarm work when installed in raceways (including wire and cable

pulling) and when performed on new or major remodel building projects or jobs],
TELEVISION & VIDEO SYSTEMS, SECURITY SYSTEMS, COMMUNICATIONS SYSTEMS that transmit or receive information and/or control systems that are intrinsic to the above.

EXCLUDES-
Excludes all other data systems or multiple systems which include control function or power supply; excludes installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excludes energy management systems.

ELEC0340-002 02/01/2018

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, NEVADA, PLACER, PLUMAS, SACRAMENTO, TRINITY, YOLO, YUBA COUNTIES

	Rates	Fringes
Communications System		
Sound & Communications Installer	$ 29.35	3%+15.35
Sound & Communications Technician	$ 33.75	3%+15.35

SCOPE OF WORK

Includes the installation testing, service and maintenance, of the following systems which utilize the transmission and/or transference of voice, sound, vision and digital for commercial, education, security and entertainment purposes for the following TV monitoring and surveillance, background-foreground music, intercom and telephone interconnect, inventory control systems, microwave transmission, multi-media, multiplex, nurse call system, radio page, school intercom and sound, burglar alarms, and low voltage master clock systems.

A. SOUND AND VOICE TRANSMISSION/TRANSFERENCE SYSTEMS
Background foreground music Intercom and telephone interconnect systems, Telephone systems, Nurse call systems, Radio page systems, School intercom and sound systems; Burglar alarm systems, Low voltage master clock systems, Multi-media/multiplex systems; Sound and musical entertainment systems, RF systems, Antennas and Wave Guide.

B. FIRE ALARM SYSTEMS
Installation, wire pulling and testing

C. TELEVISION AND VIDEO SYSTEMS Television monitoring and surveillance systems, Video security systems, Video entertainment systems, Video educational systems, Microwave transmission systems, CATV and CCTV

D. SECURITY SYSTEMS Perimeter security systems Vibration sensor systems Card access systems Access control systems Sonar/infrared monitoring equipment

E. COMMUNICATIONS SYSTEMS THAT TRANSMIT OR RECEIVE INFORMATION AND/OR CONTROL SYSTEMS THAT ARE INTRINSIC TO

THE ABOVE LISTED SYSTEMS SCADA (Supervisory Control and Data Acquisition) PCM (Pulse Code Modulation) Inventory Control Systems Digital Data Systems Broadband and Baseband and Carriers Point of Sale Systems VSAT Data Systems Data Communication Systems RF and Remote Control Systems Fiber Optic Data Systems WORK EXCLUDED Raceway systems are not covered (excluding Ladder-Rack for the purpose of the above listed systems). Chases and/or nipples (not to exceed 10 feet) may be installed on open wiring systems. Energy management systems. SCADA (Supervisory Control and Data Acquisition) when not intrinsic to the above listed systems (in the scope). Fire alarm systems when installed in raceways (including wire and cable pulling) shall be performed at the electrician wage rate, when either of the following two (2) conditions apply:
1. The project involves new or major remodel building trades construction.
2. The conductors for the fire alarm system are installed in conduit.

ELEC0340-003 08/01/2020

ALPINE (West of Sierra Mt. Watershed), AMADOR, BUTTE, COLUSA, EL DORADO (West of Sierra Mt. Watershed), GLENN, LASSEN, NEVADA (West of Sierra Mt. Watershed), PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA (West of Sierra Mt. Watershed), SUTTER, TEHAMA, TRINITY, YOLO & YUBA COUNTIES

	Rates	Fringes
ELECTRICIAN		
Remaining area	$ 40.56	32.46
Sierra Army Depot, Herlong	$ 48.83	18.54
Tunnel work	$ 41.01	18.54

CABLE SPLICER: Receives 110% of the Electrician basic hourly rate.

ELEC0401-005 07/01/2020

ALPINE (east of the main watershed divide), EL DORADO (east of the main watershed divide), NEVADA (east of the main watershed), PLACER (east of the main watershed divide) and SIERRA (east of the main watershed divide) COUNTIES:

	Rates	Fringes
ELECTRICIAN	$ 41.50	20.17

ZONE RATE:

70-90 miles - $8.00 per hour
91+ miles - $10.00 per hour

ELEC0551-004 06/01/2020

MARIN AND SONOMA COUNTIES

	Rates	Fringes

ELECTRICIAN.....$ 52.40 3%+23.31

ELEC0551-005 12/01/2019

MARIN & SONOMA COUNTIES

	Rates	Fringes
Sound & Communications		
Installer	$ 40.31	3%+19.80
Technician	$ 50.39	3%+19.80

SCOPE OF WORK INCLUDES-
SOUND & VOICE TRANSMISSION (Music, Intercom, Nurse Call, Telephone); FIRE ALARM SYSTEMS [excluding fire alarm work when installed in raceways (including wire and cable pulling) and when performed on new or major remodel building projects or jobs], TELEVISION & VIDEO SYSTEMS, SECURITY SYSTEMS, COMMUNICATIONS SYSTEMS that transmit or receive information and/or control systems that are intrinsic to the above.

EXCLUDES-
Excludes all other data systems or multiple systems which include control function or power supply; excludes installation of raceway systems, line voltage work, industrial work, life-safety systems (all buildings having floors located more than 75' above the lowest floor level having building access); excludes energy management systems.

ELEC0659-006 01/01/2020

DEL NORTE, MODOC and SISKIYOU COUNTIES

	Rates	Fringes
ELECTRICIAN	$ 36.59	17.39

ELEC0659-008 02/01/2019

DEL NORTE, MODOC & SISKIYOU COUNTIES

	Rates	Fringes
Line Construction		
(1) Cable Splicer	$ 59.09	20.22
(2) Lineman, Pole Sprayer, Heavy Line Equipment Man	$ 52.76	19.96
(3) Tree Trimmer	$ 31.10	11.32
(4) Line Equipment Man	$ 52.76	19.96
(5) Powdermen, Jackhammermen	$ 33.80	13.35
(6) Groundman	$ 33.24	14.79

ELEC1245-004 06/01/2020

ALL COUNTIES EXCEPT DEL NORTE, MODOC & SISKIYOU

	Rates	Fringes
LINE CONSTRUCTION		
(1) Lineman; Cable splicer	$ 59.14	20.78

(2) Equipment specialist (operates crawler tractors, commercial motor vehicles, backhoes, trenchers, cranes (50 tons and below), overhead & underground distribution line equipment).....$ 47.24 19.59
(3) Groundman.....$ 36.12 19.19
(4) Powderman.....$ 51.87 18.79

HOLIDAYS: New Year's Day, M.L. King Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day and day after Thanksgiving, Christmas Day

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ELEV0008-001 01/01/2020

	Rates	Fringes
ELEVATOR MECHANIC	$ 69.78	34.765+a+b

FOOTNOTE:
a. PAID VACATION: Employer contributes 8% of regular hourly rate as vacation pay credit for employees with more than 5 years of service, and 6% for 6 months to 5 years of service.
b. PAID HOLIDAYS: New Years Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, Friday after Thanksgiving, and Christmas Day.

ENGI0003-008 07/01/2019

	Rates	Fringes
Dredging: (DREDGING: CLAMSHELL & DIPPER DREDGING; HYDRAULIC SUCTION DREDGING:)		
AREA 1:		
(1) Leverman	$ 47.88	33.10
(2) Dredge Dozer; Heavy duty repairman	$ 42.92	33.10
(3) Booster Pump Operator; Deck Engineer; Deck mate; Dredge Tender; Winch Operator	$ 41.80	33.10
(4) Bargeman; Deckhand; Fireman; Leveehand; Oiler	$ 38.50	33.10
AREA 2:		
(1) Leverman	$ 49.88	33.10
(2) Dredge Dozer; Heavy duty repairman	$ 44.92	33.10
(3) Booster Pump Operator; Deck Engineer; Deck mate; Dredge Tender; Winch Operator	$ 43.80	33.10
(4) Bargeman; Deckhand; Fireman; Leveehand; Oiler	$ 40.50	33.10

AREA DESCRIPTIONS

AREA 1: ALAMEDA,BUTTE, CONTRA COSTA, KINGS, MARIN, MERCED, NAPA, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN,

SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO, STANISLAUS, SUTTER, YOLO, AND YUBA COUNTIES

AREA 2: MODOC COUNTY

THE REMAINGING COUNTIES ARE SPLIT BETWEEN AREA 1 AND AREA 2 AS NOTED BELOW:

ALPINE COUNTY:
Area 1: Northernmost part
Area 2: Remainder

CALAVERAS COUNTY:
Area 1: Remainder
Area 2: Eastern part

COLUSA COUNTY:
Area 1: Eastern part
Area 2: Remainder

ELDORADO COUNTY:
Area 1: North Central part
Area 2: Remainder

FRESNO COUNTY:
Area 1: Remainder
Area 2: Eastern part

GLENN COUNTY:
Area 1: Eastern part
Area 2: Remainder

LASSEN COUNTY:
Area 1: Western part along the Southern portion of border with Shasta County
Area 2: Remainder

MADERA COUNTY:
Area 1: Except Eastern part
Area 2: Eastern part

MARIPOSA COUNTY
Area 1: Except Eastern part
Area 2: Eastern part

MONTERREY COUNTY
Area 1: Except Southwestern part
Area 2: Southwestern part

NEVADA COUNTY:
Area 1: All but the Northern portion along the border of Sierra County
Area 2: Remainder

PLACER COUNTY:
Area 1: Al but the Central portion
Area 2: Remainder

PLUMAS COUNTY:
Area 1: Western portion
Area 2: Remainder

SHASTA COUNTY:
Area 1: All but the Northeastern corner
Area 2: Remainder

SIERRA COUNTY:
Area 1: Western part
Area 2: Remainder

SISKIYOU COUNTY:
Area 1: Central part
Area 2: Remainder

SONOMA COUNTY:
Area 1: All but the Northwestern corner
Area 2: Remainder

TEHAMA COUNTY:
Area 1: All but the Western border with Mendocino & Trinity Counties
Area 2: Remainder

TRINITY COUNTY:
Area 1: East Central part and the Northeastern border with Shasta County
Area 2: Remainder

TUOLUMNE COUNTY:
Area 1: Except Eastern part
Area 2: Eastern part

ENGI0003-018 06/26/2017

""AREA 1"" WAGE RATES ARE LISTED BELOW

""AREA 2"" RECEIVES AN ADDITIONAL $2.00 PER HOUR ABOVE AREA 1 RATES.

SEE AREA DEFINITIONS BELOW

	Rates	Fringes
OPERATOR: Power Equipment (AREA 1:)		
GROUP 1	$ 44.67	30.39
GROUP 2	$ 43.14	30.39
GROUP 3	$ 41.66	30.39
GROUP 4	$ 40.28	30.39
GROUP 5	$ 39.01	30.39
GROUP 6	$ 37.69	30.39
GROUP 7	$ 36.55	30.39
GROUP 8	$ 35.41	30.39
GROUP 8-A	$ 33.20	30.39
OPERATOR: Power Equipment (Cranes and Attachments - AREA 1:)		
GROUP 1		
Cranes	$ 46.30	30.39
Oiler	$ 36.63	30.39
Truck crane oiler	$ 39.20	30.39
GROUP 2		
Cranes	$ 43.79	30.39
Oiler	$ 36.36	30.39
Truck crane oiler	$ 38.98	30.39
GROUP 3		
Cranes	$ 42.05	30.39
Hydraulic	$ 38.32	30.39

Oiler	$ 36.14	30.39
Truck Crane Oiler	$ 38.71	30.39
GROUP 4		
Cranes	$ 39.01	30.39
OPERATOR: Power Equipment (Piledriving - AREA 1:)		
GROUP 1		
Lifting devices	$ 45.89	30.39
Oiler	$ 36.63	30.39
Truck crane oiler	$ 39.20	30.39
GROUP 2		
Lifting devices	$ 44.07	30.39
Oiler	$ 36.36	30.39
Truck Crane Oiler	$ 38.98	30.39
GROUP 3		
Lifting devices	$ 42.39	30.39
Oiler	$ 36.14	30.39
Truck Crane Oiler	$ 38.71	30.39
GROUP 4		
Lifting devices	$ 40.62	30.39
GROUP 5		
Lifting devices	$ 39.32	30.39
GROUP 6		
Lifting devices	$ 37.98	30.39
OPERATOR: Power Equipment (Steel Erection - AREA 1:)		
GROUP 1		
Cranes	$ 46.30	30.39
Oiler	$ 36.63	30.39
Truck Crane Oiler	$ 39.20	30.39
GROUP 2		
Cranes	$ 43.79	30.39
Oiler	$ 36.36	30.39
Truck Crane Oiler	$ 38.98	30.39
GROUP 3		
Cranes	$ 42.05	30.39
Hydraulic	$ 38.32	30.39
Oiler	$ 36.14	30.39
Truck Crane Oiler	$ 38.71	30.39
GROUP 4		
Cranes	$ 39.01	30.39
GROUP 5		
Cranes	$ 35.13	30.39
OPERATOR: Power Equipment (Tunnel and Underground Work - AREA 1:)		
SHAFTS, STOPES, RAISES:		
GROUP 1	$ 40.77	30.39
GROUP 1-A	$ 43.24	30.39
GROUP 2	$ 39.51	30.39
GROUP 3	$ 38.18	30.39
GROUP 4	$ 37.04	30.39
GROUP 5	$ 35.90	30.39
UNDERGROUND:		
GROUP 1	$ 40.67	30.39
GROUP 1-A	$ 43.14	30.39
GROUP 2	$ 39.41	30.39
GROUP 3	$ 38.08	30.39
GROUP 4	$ 36.94	30.39
GROUP 5	$ 35.80	30.39

FOOTNOTE: Work suspended by ropes or cables, or work on a Yo-Yo Cat: $.60 per hour additional.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Operator of helicopter (when used in erection work); Hydraulic excavator, 7 cu. yds. and over; Power shovels, over 7 cu. yds.

GROUP 2: Highline cableway; Hydraulic excavator, 3-1/2 cu. yds. up to 7 cu. yds.; Licensed construction work boat operator, on site; Power blade operator (finish); Power shovels, over 1 cu. yd. up to and including 7 cu. yds. m.r.c.

GROUP 3: Asphalt milling machine; Cable backhoe; Combination backhoe and loader over 3/4 cu. yds.; Continuous flight tie back machine assistant to engineer or mechanic; Crane mounted continuous flight tie back machine, tonnage to apply; Crane mounted drill attachment, tonnage to apply; Dozer, slope brd; Gradall; Hydraulic excavator, up to 3 1/2 cu. yds.; Loader 4 cu. yds. and over; Long reach excavator; Multiple engine scraper (when used as push pull); Power shovels, up to and including 1 cu. yd.; Pre-stress wire wrapping machine; Side boom cat, 572 or larger; Track loader 4 cu. yds. and over; Wheel excavator (up to and including 750 cu. yds. per hour)

GROUP 4: Asphalt plant engineer/box person; Chicago boom; Combination backhoe and loader up to and including 3/4 cu. yd.; Concrete batch plant (wet or dry); Dozer and/or push cat; Pull- type elevating loader; Gradesetter, grade checker (GPS, mechanical or otherwise); Grooving and grinding machine; Heading shield operator; Heavy-duty drilling equipment, Hughes, LDH, Watson 3000 or similar; Heavy-duty repairperson and/or welder; Lime spreader; Loader under 4 cu. yds.; Lubrication and service engineer (mobile and grease rack); Mechanical finishers or spreader machine (asphalt, Barber-Greene and similar); Miller Formless M-9000 slope paver or similar; Portable crushing and screening plants; Power blade support; Roller operator, asphalt; Rubber-tired scraper, self-loading (paddle-wheels, etc.); Rubber- tired earthmoving equipment (scrapers); Slip form paver (concrete); Small tractor with drag; Soil stabilizer (P & H or equal); Spider plow and spider puller; Tubex pile rig; Unlicensed constuction work boat operator, on site; Timber skidder; Track loader up to 4 yds.; Tractor-drawn scraper; Tractor, compressor drill combination; Welder; Woods-Mixer (and other similar Pugmill equipment)

GROUP 5: Cast-in-place pipe laying machine; Combination slusher and motor operator; Concrete conveyor or concrete pump, truck or equipment mounted; Concrete conveyor, building site; Concrete pump or pumpcrete gun; Drilling equipment, Watson 2000, Texoma 700 or similar; Drilling and boring machinery, horizontal (not to apply to waterliners, wagon drills or jackhammers); Concrete mixer/all; Person and/or material hoist; Mechanical finishers (concrete) (Clary, Johnson, Bidwell Bridge Deck or similar types); Mechanical burm, curb and/or curb and gutter machine, concrete or asphalt); Mine or shaft hoist; Portable crusher; Power jumbo operator (setting slip-forms, etc., in tunnels); Screed (automatic or manual); Self-propelled compactor with dozer; Tractor with boom D6 or smaller; Trenching machine, maximum digging capacity over 5 ft. depth; Vermeer T-600B rock cutter or similar

GROUP 6: Armor-Coater (or similar); Ballast jack tamper; Boom- type backfilling machine; Assistant plant engineer; Bridge and/or gantry crane; Chemical grouting machine, truck-mounted; Chip spreading machine operator; Concrete saw (self-propelled unit on streets, highways, airports and canals); Deck engineer; Drilling equipment Texoma 600, Hughes 200 Series or similar up to and including 30 ft. m.r.c.; Drill doctor; Helicopter radio operator; Hydro-hammer or similar; Line master; Skidsteer loader, Bobcat larger than 743 series or similar (with attachments); Locomotive; Lull hi-lift or similar; Oiler, truck mounted equipment; Pavement breaker, truck-mounted, with compressor combination; Paving fabric installation and/or laying machine; Pipe bending machine (pipelines only); Pipe wrapping machine (tractor propelled and supported); Screed (except asphaltic concrete paving); Self- propelled pipeline wrapping machine; Tractor; Self-loading chipper; Concrete barrier moving machine

GROUP 7: Ballast regulator; Boom truck or dual-purpose A-frame truck, non-rotating - under 15 tons; Cary lift or similar; Combination slurry mixer and/or cleaner; Drilling equipment, 20 ft. and under m.r.c.; Firetender (hot plant); Grouting machine operator; Highline cableway signalperson; Stationary belt loader (Kolman or similar); Lift slab machine (Vagtborg and similar types); Maginnes internal full slab vibrator; Material hoist (1 drum); Mechanical trench shield; Pavement breaker with or without compressor combination); Pipe cleaning machine (tractor propelled and supported); Post driver; Roller (except asphalt); Chip Seal; Self-propelled automatically applied concrete curing mahcine (on streets, highways, airports and canals); Self-propelled compactor (without dozer); Signalperson; Slip-form pumps (lifting device for concrete forms); Tie spacer; Tower mobile; Trenching machine, maximum digging capacity up to and including 5 ft. depth; Truck- type loader

GROUP 8: Bit sharpener; Boiler tender; Box operator; Brakeperson; Combination mixer and compressor (shotcrete/gunite); Compressor operator; Deckhand; Fire tender; Forklift (under 20 ft.); Generator; Gunite/shotcrete equipment operator; Hydraulic monitor; Ken seal machine (or similar); Mixermobile; Oiler; Pump operator; Refrigeration plant; Reservoir-debris tug (self-propelled floating); Ross Carrier (construction site); Rotomist operator; Self-propelled tape machine; Shuttlecar; Self-propelled power sweeper operator (includes vacuum sweeper); Slusher operator; Surface heater; Switchperson; Tar pot firetender; Tugger hoist, single drum; Vacuum cooling plant; Welding machine (powered other than by electricity)

GROUP 8-A: Elevator operator; Skidsteer loader-Bobcat 743 series or smaller, and similar (without attachments); Mini excavator under 25 H.P. (backhoe-trencher); Tub grinder wood chipper

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ALL CRANES AND ATTACHMENTS

GROUP 1: Clamshell and dragline over 7 cu. yds.; Crane, over 100 tons; Derrick, over 100 tons; Derrick barge pedestal-mounted, over 100 tons; Self-propelled boom-type lifting device, over 100 tons

GROUP 2: Clamshell and dragline over 1 cu. yd. up to and including 7 cu. yds.; Crane, over 45 tons up to and including 100 tons; Derrick barge, 100 tons and under; Self-propelled boom-type lifting device, over 45 tons; Tower crane

GROUP 3: Clamshell and dragline up to and including 1 cu. yd.; Cranes 45 tons and under; Self-propelled boom-type lifting device 45 tons and under;

GROUP 4: Boom Truck or dual purpose A-frame truck, non-rotating over 15 tons; Truck-mounted rotating telescopic boom type lifting device, Manitex or similar (boom truck) over 15 tons; Truck-mounted rotating telescopic boom type lifting device, Manitex or similar (boom truck) - under 15 tons;

PILEDRIVERS

GROUP 1: Derrick barge pedestal mounted over 100 tons; Clamshell over 7 cu. yds.; Self-propelled boom-type lifting device over 100 tons; Truck crane or crawler, land or barge mounted over 100 tons

GROUP 2: Derrick barge pedestal mounted 45 tons to and including 100 tons; Clamshell up to and including 7 cu. yds.; Self-propelled boom-type lifting device over 45 tons; Truck crane or crawler, land or barge mounted, over 45 tons up to and including 100 tons; Fundex F-12 hydraulic pile rig

GROUP 3: Derrick barge pedestal mounted under 45 tons; Self-propelled boom-type lifting device 45 tons and under; Skid/scow piledriver, any tonnage; Truck crane or crawler, land or barge mounted 45 tons and under

GROUP 4: Assistant operator in lieu of assistant to engineer; Forklift, 10 tons and over; Heavy-duty repairperson/welder

GROUP 5: Deck engineer

GROUP 6: Deckhand; Fire tender

STEEL ERECTORS

GROUP 1: Crane over 100 tons; Derrick over 100 tons; Self-propelled boom-type lifting device over 100 tons

GROUP 2: Crane over 45 tons to 100 tons; Derrick under 100 tons; Self-propelled boom-type lifting device over 45 tons to 100 tons; Tower crane

GROUP 3: Crane, 45 tons and under; Self-propelled boom-type lifting device, 45 tons and under

GROUP 4: Chicago boom; Forklift, 10 tons and over; Heavy-duty repair person/welder

GROUP 5: Boom cat

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TUNNEL AND UNDERGROUND WORK

GROUP 1-A: Tunnel bore machine operator, 20' diameter or more

GROUP 1: Heading shield operator; Heavy-duty repairperson; Mucking machine (rubber tired, rail or track type); Raised bore operator (tunnels); Tunnel mole bore operator

GROUP 2: Combination slusher and motor operator; Concrete pump or pumpcrete gun; Power jumbo operator

GROUP 3: Drill doctor; Mine or shaft hoist

GROUP 4: Combination slurry mixer cleaner; Grouting Machine operator; Motorman

GROUP 5: Bit Sharpener; Brakeman; Combination mixer and compressor (gunite); Compressor operator; Oiler; Pump operator; Slusher operator

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AREA DESCRIPTIONS:

POWER EQUIPMENT OPERATORS, CRANES AND ATTACHMENTS,TUNNEL AND UNDERGROUND [These areas do not apply to Piledrivers and Steel Erectors]

AREA 1: ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MARIN, NAPA, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SOLANO, SONOMA, SUTTER, TEHAMA, TRINITY, YOLO, YUBA

AREA 2 - MODOC COUNTY

THE REMAINING COUNTIES ARE SPLIT BETWEEN AREA 1 AND AREA 2 AS NOTED BELOW:

ALPINE COUNTY:
Area 1: Northernmost part
Area 2: Remainder

COLUSA COUNTY:
Area 1: Eastern part
Area 2: Remainder

DEL NORTE COUNTY:
Area 1: Extreme Southwestern corner
Area 2: Remainder

ELDORADO COUNTY:
Area 1: North Central part
Area 2: Remainder

GLENN COUNTY:
Area 1: Eastern part
Area 2: Remainder

LASSEN COUNTY:
Area 1: Western part along the Southern portion of border with Shasta County
Area 2: Remainder

NEVADA COUNTY:

Area 1: All but the Northern portion along the border of Sierra County
Area 2: Remainder

PLACER COUNTY:
Area 1: All but the Central portion
Area 2: Remainder

PLUMAS COUNTY:
Area 1: Western portion
Area 2: Remainder

SHASTA COUNTY:
Area 1: All but the Northeastern corner
Area 2: Remainder

SIERRA COUNTY:
Area 1: Western part
Area 2: Remainder

SISKIYOU COUNTY:
Area 1: Central part
Area 2: Remainder

SONOMA COUNTY:
Area 1: All but the Northwestern corner
Area 2: Reaminder

TEHAMA COUNTY:
Area 1: All but the Western border with mendocino & Trinity Counties
Area 2: Remainder

TRINITY COUNTY:
Area 1: East Central part and the Northeaster border with Shasta County
Area 2: Remainder

ENGI0003-019 06/29/2020

SEE AREA DESCRIPTIONS BELOW

	Rates	Fringes
OPERATOR: Power Equipment (LANDSCAPE WORK ONLY)		
GROUP 1		
AREA 1	$ 39.95	30.28
AREA 2	$ 41.95	30.28
GROUP 2		
AREA 1	$ 36.35	30.28
AREA 2	$ 38.35	30.28
GROUP 3		
AREA 1	$ 31.74	30.28
AREA 2	$ 33.74	30.28

GROUP DESCRIPTIONS:

GROUP 1: Landscape Finish Grade Operator: All finish grade work regardless of equipment used, and all equipment with a rating more than 65 HP.

GROUP 2: Landscape Operator up to 65 HP: All equipment with a manufacturer's rating of 65 HP or less except equipment

covered by Group 1 or Group 3. The following equipment shall be included except when used for finish work as long as manufacturer's rating is 65 HP or less: A-Frame and Winch Truck, Backhoe, Forklift, Hydragraphic Seeder Machine, Roller, Rubber-Tired and Track Earthmoving Equipment, Skiploader, Straw Blowers, and Trencher 31 HP up to 65 HP.

GROUP 3: Landscae Utility Operator: Small Rubber-Tired Tractor, Trencher Under 31 HP.

AREA DESCRIPTIONS:

AREA 1: ALAMEDA, BUTTE, CONTRA COSTA, KINGS, MARIN, MERCED, NAPA, SACRAMENTO, SAN BENITO, SAN FRANCISCO, SAN JOAQUIN, SAN MATEO, SANTA CLARA, SANTA CRUZ, SOLANO, STANISLAUS, SUTTER, YOLO, AND YUBA COUNTIES

AREA 2 - MODOC COUNTY

THE REMAINING COUNTIES ARE SPLIT BETWEEN AREA 1 AND AREA 2 AS NOTED BELOW:

ALPINE COUNTY:
Area 1: Northernmost part
Area 2: Remainder

CALAVERAS COUNTY:
Area 1: Except Eastern part
Area 2: Eastern part

COLUSA COUNTY:
Area 1: Eastern part
Area 2: Remainder

DEL NORTE COUNTY:
Area 1: Extreme Southwestern corner
Area 2: Remainder

ELDORADO COUNTY:
Area 1: North Central part
Area 2: Remainder

FRESNO COUNTY
Area 1: Except Eastern part
Area 2: Eastern part

GLENN COUNTY:
Area 1: Eastern part
Area 2: Remainder

HUMBOLDT COUNTY:
Area 1: Except Eastern and Southwestern parts
Area 2: Remainder

LAKE COUNTY:
Area 1: Southern part
Area 2: Remainder

LASSEN COUNTY:
Area 1: Western part along the Southern portion of border with Shasta County
Area 2: Remainder

MADERA COUNTY

Area 1: Remainder
Area 2: Eastern part

MARIPOSA COUNTY
Area 1: Remainder
Area 2: Eastern part

MENDOCINO COUNTY:
Area 1: Central and Southeastern parts
Area 2: Remainder

MONTEREY COUNTY
Area 1: Remainder
Area 2: Southwestern part

NEVADA COUNTY:
  Area 1: All but the Northern portion along the border of
  Sierra County
Area 2: Remainder

PLACER COUNTY:
Area 1: All but the Central portion
Area 2: Remainder

PLUMAS COUNTY:
Area 1: Western portion
Area 2: Remainder

SHASTA COUNTY:
Area 1: All but the Northeastern corner
Area 2: Remainder

SIERRA COUNTY:
Area 1: Western part
Area 2: Remainder

SISKIYOU COUNTY:
Area 1: Central part
Area 2: Remainder

SONOMA COUNTY:
Area 1: All but the Northwestern corner
Area 2: Reaminder

TEHAMA COUNTY:
  Area 1: All but the Western border with mendocino & Trinity
  Counties
Area 2: Remainder

TRINITY COUNTY:
  Area 1: East Central part and the Northeaster border with
  Shasta County
Area 2: Remainder

TULARE COUNTY;
Area 1: Remainder
Area 2: Eastern part

TUOLUMNE COUNTY:
Area 1: Remainder
Area 2: Eastern Part

IRON0433-006 07/01/2020

	Rates	Fringes
IRONWORKER		
Fence Erector	$ 34.58	24.81
Ornamental, Reinforcing and Structural	$ 41.00	33.45

PREMIUM PAY:

$6.00 additional per hour at the following locations:

China Lake Naval Test Station, Chocolate Mountains Naval Reserve-Niland,
Edwards AFB, Fort Irwin Military Station, Fort Irwin Training Center-Goldstone, San Clemente Island, San Nicholas Island, Susanville Federal Prison, 29 Palms - Marine Corps, U.S. Marine Base - Barstow, U.S. Naval Air Facility - Sealey, Vandenberg AFB

$4.00 additional per hour at the following locations:

Army Defense Language Institute - Monterey, Fallon Air Base, Naval Post Graduate School - Monterey, Yermo Marine Corps Logistics Center

$2.00 additional per hour at the following locations:

Port Hueneme, Port Mugu, U.S. Coast Guard Station - Two Rock

LABO0067-001 06/29/2020

AREA ""A"" - MARIN COUNTY

AREA ""B"" - ALPINE, AMADOR, BUTTE COLUSA EL DORADO, GLENN, LASSEN, MODOC, NAPA, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SOLANO, SONOMA, SUTTER, TEHAMA, TRINITY, YOLO, AND YUBA COUNTIES

	Rates	Fringes
Asbestos Removal Laborer	$ 25.05	12.00
LABORER (Lead Removal)		
Marin County	$ 33.07	25.30
Remaining Counties	$ 32.07	25.30

LABO0067-005 06/27/2017

AREA ""A"" - ALAMEDA, CONTRA COSTA, MARIN, SAN FRANCISCO, SAN MATEO AND SANTA CLARA COUNTIES

AREA ""B"" - ALPINE, AMADOR, BUTTE, CALAVERAS, COLUSA, DEL NORTE, EL DORADO, FRESNO, GLENN, HUMBOLDT, KINGS, LAKE, LASSEN, MADERA, MARIPOSA, MENDOCINO, MERCED, MODOC, MONTEREY, NAPA, NEVADA, PLACER, PLUMAS, SANCREMENTO, SAN BENITO, SAN JOAQUIN, SANTA CRUZ, SIERRA, SHASTA, SISKIYOU, SOLANO, SONOMA, STANISLAUS, TEHAMA, TRINITY, TULARE, TUOLUMNE, YOLO AND YOUBA COUNTIES

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		

Escort Driver, Flag Person		
Area A	$ 29.54	22.17
Area B	$ 28.54	22.17
Traffic Control Person I		
Area A	$ 29.84	22.17
Area B	$ 28.84	22.17
Traffic Control Person II		
Area A	$ 27.34	22.17
Area B	$ 26.34	22.17

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

LABO0185-002 07/01/2020

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHAMA, TRINITY, YOLO AND YUBA COUNTIES

	Rates	Fringes
LABORER		
Mason Tender-Brick	$ 32.84	23.71

LABO0185-005 06/25/2018

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHAMA, TRINITY, YOLO AND YUBA COUNTIES

	Rates	Fringes
Tunnel and Shaft Laborers:		
GROUP 1	$ 37.82	24.11
GROUP 2	$ 37.59	24.11
GROUP 3	$ 37.34	24.11
GROUP 4	$ 36.89	24.11
GROUP 5	$ 36.35	24.11
Shotcrete Specialist	$ 38.34	24.11

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Gunite and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Gunite & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work);

Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

LABO0185-006 06/25/2018

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHIASTA, SIERRA, SISKIYOU, SUTTER, TEHAMA, TRINITY, YOLO, YUBA COUNTIES

	Rates	Fringes
LABORER (CONSTRUCTION CRAFT LABORERS - AREA B:)		
Construction Specialist Group	$ 30.49	23.20
GROUP 1	$ 29.79	23.20
GROUP 1-a	$ 30.01	23.20
GROUP 1-c	$ 30.01	23.20
GROUP 1-e	$ 30.34	23.20
GROUP 1-f	$ 30.37	23.20
GROUP 2	$ 29.64	23.20
GROUP 3	$ 29.54	23.20
GROUP 4	$ 23.23	23.20
See groups 1-b and 1-d under laborer classifications.		
LABORER (GARDENERS, HORTICULTURAL & LANDSCAPE LABORERS - AREA B:)		
(1) New Construction	$ 29.54	23.20
(2) Establishment Warranty Period	$ 23.23	23.20
LABORER (GUNITE - AREA B:)		
GROUP 1	$ 29.75	22.31
GROUP 2	$ 29.25	22.31
GROUP 3	$ 28.66	22.31
GROUP 4	$ 28.54	22.31
LABORER (WRECKING - AREA B:)		
GROUP 1	$ 29.79	23.20
GROUP 2	$ 29.64	23.20

FOOTNOTES:

Laborers working off or with or from bos'n chairs, swinging scaffolds, belts shall receive $0.25 per hour above the applicable wage rate. This shall not apply to workers entitled to receive the wage rate set forth in Group 1-a below.

LABORER CLASSIFICATIONS

CONSTRUCTION SPECIALIST GROUP: Asphalt ironer and raker; Chainsaw; Laser beam in connection with laborers' work; Cast-in- place manhole form setter; Pressure pipelayer; Davis trencher - 300 or similar type (and all small trenchers); Blaster; Diamond driller; Multiple unit drill; Hydraulic drill

GROUP 1: Asphalt spreader boxes (all types); Barko, Wacker and similar type tampers; Buggymobile; Caulker, bander, pipewrapper, conduit layer, plastic pipelayer; Certified hazardous waste worker including Leade Abatement; Compactors of all types; Concrete and magnesite mixer, 1/2 yd. and under; Concrete pan work; Concrete sander; Concrete saw; Cribber and/or shoring; Cut granite curb setter; Dri-pak-it machine; Faller, logloader and bucker; Form raiser, slip forms; Green cutter; Headerboard, Hubsetter, aligner, by any method; High pressure blow pipe (1-1/2"" or over, 100 lbs. pressure/over); Hydro seeder and similar type; Jackhammer operator; Jacking of pipe over 12 inches; Jackson and similar type compactor; Kettle tender, pot and worker applying asphalt, lay-kold, creosote, lime, caustic and similar type materials (applying means applying, dipping or handling of such materials); Lagging, sheeting, whaling, bracing, trenchjacking, lagging hammer; Magnesite, epoxyresin, fiberglass, mastic worker (wet or dry); No joint pipe and stripping of same, including repair of voids; Pavement breaker and spader, including tool grinder; Perma curb; Pipelayer (including grade checking in connection with pipelaying); Precast-manhole setter; Pressure pipe tester; Post hole digger, air, gas and electric; Power broom sweeper; Power tampers of all types (except as shown in Group 2); Ram set gun and stud gun; Riprap stonepaver and rock-slinger, including placing of sacked concrete and/or sand (wet or dry) and gabions and similar type; Rotary scarifier or multiple head concrete chipping scarifier; Roto and Ditch Witch; Rototiller; Sandblaster, pot, gun, nozzle operators; Signalling and rigging; Tank cleaner; Tree climber; Turbo blaster; Vibrascreed, bull float in connection with laborers' work; Vibrator; Hazardous waste worker (lead removal); Asbestos and mold removal worker

GROUP 1-a: Joy drill model TWM-2A; Gardner-Denver model DH143 and similar type drills; Track driller; Jack leg driller; Wagon driller; Mechanical drillers, all types regardless of type or method of power; Mechanical pipe layers, all types regardless of type or method of power; Blaster and powder; All work of loading, placing and blasting of all powder and explosives of whatever type regardless of method used for such loading and placing; High scalers (including drilling of same); Tree topper; Bit grinder

GROUP 1-b: Sewer cleaners shall receive $4.00 per day above Group 1 wage rates. ""Sewer cleaner"" means any worker who handles or comes in contact with raw sewage in small diameter sewers. Those who work inside recently active, large diameter sewers, and all recently active sewer manholes shal receive $5.00 per day above Group 1 wage rates.

GROUP 1-c: Burning and welding in connection with laborers' work; Synthetic thermoplastics and similar type welding

GROUP 1-d: Maintenance and repair track and road beds. All employees performing work covered herein shall receive $ .25 per hour above their regular rate for all work performed on underground structures not specifically covered herein. This paragraph shall not be construed to apply to work below ground level in open cut. It shall apply to cut and cover work of subway construction after the temporary cover has been placed.

GROUP 1-e: Work on and/or in bell hole footings and shafts thereof, and work on and in deep footings. (A deep footing is a hole 15 feet or more in depth.) In the event the depth of the footing is unknown at the commencement of excavation, and the final depth exceeds 15 feet, the deep footing wage rate would apply to all employees for each and every day worked on or in the excavation of the footing from the date of inception.

GROUP 1-f: Wire winding machine in connection with guniting or shot crete

GROUP 2: Asphalt shoveler; Cement dumper and handling dry cement or gypsum; Choke-setter and rigger (clearing work); Concrete bucket dumper and chute; Concrete chipping and grinding; Concrete laborer (wet or dry); Driller tender, chuck tender, nipper; Guinea chaser (stake), grout crew; High pressure nozzle, adductor; Hydraulic monitor (over 100 lbs. pressure); Loading and unloading, carrying and hauling of all rods and materials for use in reinforcing concrete construction; Pittsburgh chipper and similar type brush shredders; Sloper; Single foot, hand-held, pneumatic tamper; All pneumatic, air, gas and electric tools not listed in Groups 1 through 1-f; Jacking of pipe - under 12 inches

GROUP 3: Construction laborers, including bridge and general laborer; Dump, load spotter; Flag person; Fire watcher; Fence erector; Guardrail erector; Gardener, horticultural and landscape laborer; Jetting; Limber, brush loader and piler; Pavement marker (button setter); Maintenance, repair track and road beds; Streetcar and railroad construction track laborer; Temporary air and water lines, Victaulic or similar; Tool room attendant (jobsite only)

GROUP 4: Final clean-up work of debris, grounds and building including but not limited to: street cleaner; cleaning and washing windows; brick cleaner (jobsite only); material cleaner (jobsite only). The classification ""material cleaner"" is to be utilized under the following conditions:
A: at demolition site for the salvage of the material.
B: at the conclusion of a job where the material is to be salvaged and stocked to be reused on another job.
C: for the cleaning of salvage material at the jobsite or temporary jobsite yard.

The material cleaner classification should not be used in the performance of ""form stripping, cleaning and oiling and moving to the next point of erection"".

GUNITE LABORER CLASSIFICATIONS

GROUP 1: Structural Nozzleman

GROUP 2: Nozzleman, Gunman, Potman, Groundman

GROUP 3: Reboundman

GROUP 4: Gunite laborer

WRECKING WORK LABORER CLASSIFICATIONS

GROUP 1: Skilled wrecker (removing and salvaging of sash, windows and materials)

GROUP 2: Semi-skilled wrecker (salvaging of other building materials)

LABO0185-008 07/01/2018

	Rates	Fringes
Plasterer tender	$ 32.02	23.00

Work on a swing stage scaffold: $1.00 per hour additional.

LABO0261-002 06/25/2018

MARIN COUNTY

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		
Escort Driver, Flag Person	$ 30.54	23.65
Traffic Control Person I	$ 30.84	23.65
Traffic Control Person II	$ 28.34	23.65

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

LABO0261-004 06/25/2018

MARIN COUNTY

	Rates	Fringes
Tunnel and Shaft Laborers:		
GROUP 1	$ 37.82	24.11
GROUP 2	$ 37.59	24.11
GROUP 3	$ 37.34	24.11
GROUP 4	$ 36.89	24.11
GROUP 5	$ 36.35	24.11
Shotcrete Specialist	$ 38.34	24.11

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Gunite and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Gunite & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer,

Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

LABO0261-007 07/01/2018

MARIN AND NAPA COUNTIES

	Rates	Fringes
LABORER		
Mason Tender-Brick	$ 32.45	22.20

LABO0261-010 06/25/2018

MARIN COUNTY

	Rates	Fringes
LABORER (CONSTRUCTION CRAFT LABORERS - AREA A:)		
Construction Specialist Group	$ 31.49	23.20
GROUP 1	$ 30.79	23.20
GROUP 1-a	$ 31.01	23.20
GROUP 1-c	$ 30.84	23.20
GROUP 1-e	$ 31.34	23.20
GROUP 1-f	$ 31.37	23.20
GROUP 2	$ 30.64	23.20
GROUP 3	$ 30.54	23.20
GROUP 4	$ 24.23	23.20
See groups 1-b and 1-d under laborer classifications.		
LABORER (GARDENERS, HORTICULTURAL & LANDSCAPE LABORERS - AREA A:)		
(1) New Construction	$ 30.54	23.20
(2) Establishment Warranty Period	$ 24.23	23.20
LABORER (GUNITE - AREA A:)		
GROUP 1	$ 30.75	22.31
GROUP 2	$ 30.25	22.31
GROUP 3	$ 29.66	22.31
GROUP 4	$ 29.54	22.31
LABORER (WRECKING - AREA A:)		
GROUP 1	$ 30.79	23.20
GROUP 2	$ 30.64	23.20

FOOTNOTES:

Laborers working off or with or from bos'n chairs, swinging scaffolds, belts shall receive $0.25 per hour above the applicable wage rate. This shall not apply to workers entitled to receive the wage rate set forth in Group 1-a below.

LABORER CLASSIFICATIONS

CONSTRUCTION SPECIALIST GROUP: Asphalt ironer and raker; Chainsaw; Laser beam in connection with laborers' work; Cast-in- place manhole form setter; Pressure pipelayer; Davis trencher - 300 or similar type (and all small trenchers); Blaster; Diamond driller; Multiple unit drill; Hydraulic drill

GROUP 1: Asphalt spreader boxes (all types); Barko, Wacker and similar type tampers; Buggymobile; Caulker, bander, pipewrapper, conduit layer, plastic pipelayer; Certified hazardous waste worker including Leade Abatement; Compactors of all types; Concrete and magnesite mixer, 1/2 yd. and under; Concrete pan work; Concrete sander; Concrete saw; Cribber and/or shoring; Cut granite curb setter; Dri-pak-it machine; Faller, logloader and bucker; Form raiser, slip forms; Green cutter; Headerboard, Hubsetter, aligner, by any method; High pressure blow pipe (1-1/2"" or over, 100 lbs. pressure/over); Hydro seeder and similar type; Jackhammer operator; Jacking of pipe over 12 inches; Jackson and similar type compactor; Kettle tender, pot and worker applying asphalt, lay-kold, creosote, lime, caustic and similar type materials (applying means applying, dipping or handling of such materials); Lagging, sheeting, whaling, bracing, trenchjacking, lagging hammer; Magnesite, epoxyresin, fiberglass, mastic worker (wet or dry); No joint pipe and stripping of same, including repair of voids; Pavement breaker and spader, including tool grinder; Perma curb; Pipelayer (including grade checking in connection with pipelaying); Precast-manhole setter; Pressure pipe tester; Post hole digger, air, gas and electric; Power broom sweeper; Power tampers of all types (except as shown in Group 2); Ram set gun and stud gun; Riprap stonepaver and rock-slinger, including placing of sacked concrete and/or sand (wet or dry) and gabions and similar type; Rotary scarifier or multiple head concrete chipping scarifier; Roto and Ditch Witch; Rototiller; Sandblaster, pot, gun, nozzle operators; Signalling and rigging; Tank cleaner; Tree climber; Turbo blaster; Vibrascreed, bull float in connection with laborers' work; Vibrator; Hazardous waste worker (lead removal); Asbestos and mold removal worker

GROUP 1-a: Joy drill model TWM-2A; Gardner-Denver model DH143 and similar type drills; Track driller; Jack leg driller; Wagon driller; Mechanical drillers, all types regardless of type or method of power; Mechanical pipe layers, all types regardless of type or method of power; Blaster and powder; All work of loading, placing and blasting of all powder and explosives of whatever type regardless of method used for such loading and placing; High scalers (including drilling of same); Tree topper; Bit grinder

GROUP 1-b: Sewer cleaners shall receive $4.00 per day above Group 1 wage rates. ""Sewer cleaner"" means any worker who handles or comes in contact with raw sewage in small diameter sewers. Those who work inside recently active, large diameter sewers, and all recently active sewer manholes shal receive $5.00 per day above Group 1 wage rates.

GROUP 1-c: Burning and welding in connection with laborers' work; Synthetic thermoplastics and similar type welding

GROUP 1-d: Maintenance and repair track and road beds. All employees performing work covered herein shall receive $ .25 per hour above their regular rate for all work performed on underground structures not specifically covered herein. This paragraph shall not be construed to apply to work below ground level in open cut. It shall apply to cut and cover work of subway construction after the temporary cover has been placed.

GROUP 1-e: Work on and/or in bell hole footings and shafts thereof, and work on and in deep footings. (A deep footing is a hole 15 feet or more in depth.) In the event the depth of the footing is unknown at the commencement of excavation, and the final depth exceeds 15 feet, the deep footing wage rate would apply to all employees for each and every day worked on or in the excavation of the footing from the date of inception.

GROUP 1-f: Wire winding machine in connection with guniting or shot crete

GROUP 2: Asphalt shoveler; Cement dumper and handling dry cement or gypsum; Choke-setter and rigger (clearing work); Concrete bucket dumper and chute; Concrete chipping and grinding; Concrete laborer (wet or dry); Driller tender, chuck tender, nipper; Guinea chaser (stake), grout crew; High pressure nozzle, adductor; Hydraulic monitor (over 100 lbs. pressure); Loading and unloading, carrying and hauling of all rods and materials for use in reinforcing concrete construction; Pittsburgh chipper and similar type brush shredders; Sloper; Single foot, hand-held, pneumatic tamper; All pneumatic, air, gas and electric tools not listed in Groups 1 through 1-f; Jacking of pipe - under 12 inches

GROUP 3: Construction laborers, including bridge and general laborer; Dump, load spotter; Flag person; Fire watcher; Fence erector; Guardrail erector; Gardener, horticultural and landscape laborer; Jetting; Limber, brush loader and piler; Pavement marker (button setter); Maintenance, repair track and road beds; Streetcar and railroad construction track laborer; Temporary air and water lines, Victaulic or similar; Tool room attendant (jobsite only)

GROUP 4: Final clean-up work of debris, grounds and building including but not limited to: street cleaner; cleaning and washing windows; brick cleaner (jobsite only); material cleaner (jobsite only). The classification ""material cleaner"" is to be utilized under the following conditions:
A: at demolition site for the salvage of the material.
B: at the conclusion of a job where the material is to be salvaged and stocked to be reused on another job.
C: for the cleaning of salvage material at the jobsite or temporary jobsite yard.

The material cleaner classification should not be used in the performance of ""form stripping, cleaning and oiling and moving to the next point of erection"".

GUNITE LABORER CLASSIFICATIONS

GROUP 1: Structural Nozzleman

GROUP 2: Nozzleman, Gunman, Potman, Groundman

GROUP 3: Reboundman

GROUP 4: Gunite laborer

WRECKING WORK LABORER CLASSIFICATIONS

GROUP 1: Skilled wrecker (removing and salvaging of sash, windows and materials)

GROUP 2: Semi-skilled wrecker (salvaging of other building materials)

LABO0261-015 07/01/2018

	Rates	Fringes
Plasterer tender	$ 32.02	23.00

Work on a swing stage scaffold: $1.00 per hour additional.

LABO0324-004 06/25/2018

NAPA, SOLANO, AND SONOMA, COUNTIES

	Rates	Fringes
LABORER (TRAFFIC CONTROL/LANE CLOSURE)		
Escort Driver, Flag Person	$ 29.54	23.65
Traffic Control Person I	$ 29.84	23.65
Traffic Control Person II	$ 27.34	23.65

TRAFFIC CONTROL PERSON I: Layout of traffic control, crash cushions, construction area and roadside signage.

TRAFFIC CONTROL PERSON II: Installation and removal of temporary/permanent signs, markers, delineators and crash cushions.

LABO0324-008 06/25/2018

NAPA, SOLANO, AND SONOMA COUNTIES

	Rates	Fringes
Tunnel and Shaft Laborers:		
GROUP 1	$ 37.82	24.11
GROUP 2	$ 37.59	24.11
GROUP 3	$ 37.34	24.11
GROUP 4	$ 36.89	24.11
GROUP 5	$ 36.35	24.11
Shotcrete Specialist	$ 38.34	24.11

TUNNEL AND SHAFT CLASSIFICATIONS

GROUP 1: Diamond driller; Groundmen; Gunite and shotcrete nozzlemen

GROUP 2: Rodmen; Shaft work & raise (below actual or

excavated ground level)

GROUP 3: Bit grinder; Blaster, driller, powdermen, heading; Cherry pickermen - where car is lifted; Concrete finisher in tunnel; Concrete screedman; Grout pumpman and potman; Gunite & shotcrete gunman & potman; Headermen; High pressure nozzleman; Miner - tunnel, including top and bottom man on shaft and raise work; Nipper; Nozzleman on slick line; Sandblaster - potman, Robotic Shotcrete Placer, Segment Erector, Tunnel Muck Hauler, Steel Form raiser and setter; Timberman, retimberman (wood or steel or substitute materials therefore); Tugger (for tunnel laborer work); Cable tender; Chuck tender; Powderman - primer house

GROUP 4: Vibrator operator, pavement breaker; Bull gang - muckers, trackmen; Concrete crew - includes rodding and spreading, Dumpmen (any method)

GROUP 5: Grout crew; Reboundman; Swamper/ Brakeman

LABO0324-010 07/01/2018

SOLANO AND SONOMA COUNTIES

	Rates	Fringes
LABORER		
Mason Tender-Brick	$ 31.45	22.20

LABO0324-013 06/25/2018

NAPA, SOLANO, AND SONOMA COUNTIES

	Rates	Fringes
LABORER (CONSTRUCTION CRAFT LABORERS - AREA B:)		
Construction Specialist Group	$ 30.49	23.20
GROUP 1	$ 29.79	23.20
GROUP 1-a	$ 30.01	23.20
GROUP 1-c	$ 29.84	23.20
GROUP 1-e	$ 30.34	23.20
GROUP 1-f	$ 29.37	23.20
GROUP 2	$ 29.64	23.20
GROUP 3	$ 29.54	23.20
GROUP 4	$ 23.23	23.20
See groups 1-b and 1-d under laborer classifications.		
LABORER (GARDENERS, HORTICULTURAL & LANDSCAPE LABORERS - AREA B:)		
(1) New Construction	$ 29.54	23.20
(2) Establishment Warranty Period	$ 23.23	23.20
LABORER (GUNITE - AREA B:)		
GROUP 1	$ 29.75	22.31
GROUP 2	$ 29.25	22.31
GROUP 3	$ 28.66	22.31
GROUP 4	$ 28.54	22.31
LABORER (WRECKING - AREA B:)		
GROUP 1	$ 29.79	23.20
GROUP 2	$ 29.64	23.20

FOOTNOTES:

Laborers working off or with or from bos'n chairs, swinging scaffolds, belts shall receive $0.25 per hour above the applicable wage rate. This shall not apply to workers entitled to receive the wage rate set forth in Group 1-a below.

LABORER CLASSIFICATIONS

CONSTRUCTION SPECIALIST GROUP: Asphalt ironer and raker; Chainsaw; Laser beam in connection with laborers' work; Cast-in- place manhole form setter; Pressure pipelayer; Davis trencher - 300 or similar type (and all small trenchers); Blaster; Diamond driller; Multiple unit drill; Hydraulic drill

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GROUP 1-b: Sewer cleaners shall receive $4.00 per day above Group 1 wage rates. ""Sewer cleaner"" means any worker who

handles or comes in contact with raw sewage in small diameter sewers. Those who work inside recently active, large diameter sewers, and all recently active sewer manholes shal receive $5.00 per day above Group 1 wage rates.

GROUP 1-c: Burning and welding in connection with laborers' work; Synthetic thermoplastics and similar type welding

GROUP 1-d: Maintenance and repair track and road beds. All employees performing work covered herein shall receive $ .25 per hour above their regular rate for all work performed on underground structures not specifically covered herein. This paragraph shall not be construed to apply to work below ground level in open cut. It shall apply to cut and cover work of subway construction after the temporary cover has been placed.

GROUP 1-e: Work on and/or in bell hole footings and shafts thereof, and work on and in deep footings. (A deep footing is a hole 15 feet or more in depth.) In the event the depth of the footing is unknown at the commencement of excavation, and the final depth exceeds 15 feet, the deep footing wage rate would apply to all employees for each and every day worked on or in the excavation of the footing from the date of inception.

GROUP 1-f: Wire winding machine in connection with guniting or shot crete

GROUP 2: Asphalt shoveler; Cement dumper and handling dry cement or gypsum; Choke-setter and rigger (clearing work); Concrete bucket dumper and chute; Concrete chipping and grinding; Concrete laborer (wet or dry); Driller tender, chuck tender, nipper; Guinea chaser (stake), grout crew; High pressure nozzle, adductor; Hydraulic monitor (over 100 lbs. pressure); Loading and unloading, carrying and hauling of all rods and materials for use in reinforcing concrete construction; Pittsburgh chipper and similar type brush shredders; Sloper; Single foot, hand-held, pneumatic tamper; All pneumatic, air, gas and electric tools not listed in Groups 1 through 1-f; Jacking of pipe - under 12 inches

GROUP 3: Construction laborers, including bridge and general laborer; Dump, load spotter; Flag person; Fire watcher; Fence erector; Guardrail erector; Gardener, horticultural and landscape laborer; Jetting; Limber, brush loader and piler; Pavement marker (button setter); Maintenance, repair track and road beds; Streetcar and railroad construction track laborer; Temporary air and water lines, Victaulic or similar; Tool room attendant (jobsite only)

GROUP 4: Final clean-up work of debris, grounds and building including but not limited to: street cleaner; cleaning and washing windows; brick cleaner (jobsite only); material cleaner (jobsite only). The classification ""material cleaner"" is to be utilized under the following conditions:
A: at demolition site for the salvage of the material.
B: at the conclusion of a job where the material is to be salvaged and stocked to be reused on another job.
C: for the cleaning of salvage material at the jobsite or temporary jobsite yard.

The material cleaner classification should not be used in

the performance of ""form stripping, cleaning and oiling and moving to the next point of erection"".

GUNITE LABORER CLASSIFICATIONS

GROUP 1: Structural Nozzleman

GROUP 2: Nozzleman, Gunman, Potman, Groundman

GROUP 3: Reboundman

GROUP 4: Gunite laborer

WRECKING WORK LABORER CLASSIFICATIONS

GROUP 1: Skilled wrecker (removing and salvaging of sash, windows and materials)

GROUP 2: Semi-skilled wrecker (salvaging of other building materials)

LABO0324-019 07/01/2018

	Rates	Fringes
Plasterer tender	$ 32.02	23.00

Work on a swing stage scaffold: $1.00 per hour additional.

PAIN0016-004 01/01/2019

MARIN, NAPA, SOLANO & SONOMA COUNTIES

	Rates	Fringes
Painters:	$ 42.67	24.03

PREMIUMS:
EXOTIC MATERIALS - $0.75 additional per hour.
SPRAY WORK: - $0.50 additional per hour.
INDUSTRIAL PAINTING - $0.25 additional per hour
[Work on industrial buildings used for the manufacture and processing of goods for sale or service; steel construction (bridges), stacks, towers, tanks, and similar structures]

HIGH WORK:
over 50 feet - $2.00 per hour additional
100 to 180 feet - $4.00 per hour additional
Over 180 feet - $6.00 per houir additional

PAIN0016-005 06/01/2020

ALPINE, BUTTE, COLUSA, EL DORADO (west of the Sierra Nevada Mountains), GLENN, LASSEN (west of Hwy. 395, excluding Honey Lake); MARIN, MODOC, NAPA, NEVADA (west of the Sierra Nevada Mountains), PLACER (west of the Sierra Nevada Mountains), PLUMAS, SACRAMENTO, SHASTA, SIERRA (west of the Sierra Nevada Mountains), SISKIYOU, SOLANO, SONOMA, SUTTER, TEHAMA, TRINITY, YOLO AND YUBA COUNTIES

	Rates	Fringes
DRYWALL FINISHER/TAPER	$ 47.38	25.99

PAIN0016-007 01/01/2019

ALPINE, AMADOR, BUTTE, COLUSA. EL DORADO (west of the Sierra Nevada Mountains), GLENN, LASSEN (west of Highway 395, excluding Honey Lake), MODOC, NEVADA (west of the Sierra Nevada Mountains), PLACER (west of the Sierra Nevada Mountains), PLUMAS, SACRAMENTO, SHASTA, SIERRA (west of the Sierra Nevada Mountains), SISKIYOU, SUTTER, TEHAMA, TRINITY, YOLO & YUBA COUNTIES

	Rates	Fringes
Painters:	$ 33.68	20.24

SPRAY/SANDBLAST: $0.50 additional per hour.
EXOTIC MATERIALS: $1.00 additional per hour.
HIGH TIME: Over 50 ft above ground or water level $2.00 additional per hour. 100 to 180 ft above ground or water level $4.00 additional per hour. Over 180 ft above ground or water level $6.00 additional per hour.

PAIN0016-008 01/01/2019

MARIN, NAPA, SOLANO AND SONOMA COUNTIES

	Rates	Fringes
SOFT FLOOR LAYER	$ 48.60	27.43

PAIN0169-004 07/01/2020

MARIN , NAPA & SONOMA COUNTIES; SOLANO COUNTY (west of a line defined as follows: Hwy. 80 corridor beginning at the City of Fairfield, including Travis Air Force Base and Suisun City; going north of Manakas Corner Rd., continue north on Suisun Valley Rd. to the Napa County line; Hwy. 80 corridor south on Grizzly Island Rd. to the Grizzly Island Management area)

	Rates	Fringes
GLAZIER	$ 52.17	30.55

* PAIN0567-001 07/01/2020

EL DORADO COUNTY (east of the Sierra Nevada Mountains); LASSEN COUNTY (east of Highway 395, beginning at Stacey and including Honey Lake); NEVADA COUNTY (east of the Sierra Nevada Mountains); PLACER COUNTY (east of the Sierra Nevada Mountains); AND SIERRA COUNTY (east of the Sierra Nevada Mountains)

	Rates	Fringes
Painters:		
Brush and Roller	$ 29.80	13.44

Spray Painter & Paperhanger.$ 31.29 13.44

PREMIUMS:
Special Coatings (Brush), and Sandblasting = $0.50/hr
Special Coatings (Spray), and Steeplejack = $1.00/hr
Special Coating Spray Steel = $1.25/hr
Swing Stage = $2.00/hr

*A special coating is a coating that requires the mixing of 2 or more products.

PAIN0567-007 07/01/2020

EL DORADO COUNTY (east of the Sierra Nevada Mountains); LASSEN COUNTY (east of Highway 395, beginning at Stacey and including Honey Lake); NEVADA COUNTY (east of the Sierra Nevada Mountains); PLACER COUNTY (east of the Sierra Nevada Mountains) AND SIERRA COUNTY (east of the Sierra Nevada Mountains)

	Rates	Fringes
SOFT FLOOR LAYER	$ 31.01	15.48

PAIN0567-010 07/01/2020

EL DORADO COUNTY (east of the Sierra Nevada Mountains); LASSEN COUNTY (east of Highway 395, beginning at Stacey and including Honey Lake); NEVADA COUNTY (east of the Sierra Nevada Mountains); PLACER COUNTY (east of the Sierra Nevada Mountains); AND SIERRA COUNTY (east of the Sierra Nevada Mountains)

	Rates	Fringes
Drywall		
(1) Taper	$ 35.20	14.02
(2) Steeplejack - Taper, over 40 ft with open space below	$ 36.70	14.02

PAIN0767-004 07/01/2020

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SOLANO (Remainder), SUTTER, TEHAMA, TRINITY, YOLO, YUBA

	Rates	Fringes
GLAZIER	$ 40.61	30.76

PAID HOLIDAYS: New Year's Day, Martin Luther King, Jr. Day, President's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, and Christmas Day.

Employee rquired to wear a body harness shall receive $1.50 per hour above the basic hourly rate at any elevation.

PAIN1176-001 07/01/2020

HIGHWAY IMPROVEMENT

	Rates	Fringes
Parking Lot Striping/Highway Marking:		
GROUP 1	$ 38.48	16.88
GROUP 2	$ 32.71	16.88
GROUP 3	$ 33.09	16.88

CLASSIFICATIONS

GROUP 1: Striper: Layout and application of painted traffic stripes and marking; hot thermo plastic; tape, traffic stripes and markings

GROUP 2: Gamecourt & Playground Installer

GROUP 3: Protective Coating, Pavement Sealing

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* PAIN1237-001 06/01/2020

ALPINE; COLUSA; EL DORADO (west of the Sierra Nevada Mountains); GLENN; LASSEN (west of Highway 395, beginning at Stacey and including Honey Lake); MODOC; NEVADA (west of the Sierra Nevada Mountains); PLACER (west of the Sierra Nevada Mountains); PLUMAS; SACRAMENTO; SHASTA; SIERRA (west of the Sierra Nevada Mountains); SISKIYOU; SUTTER; TEHAMA; TRINITY; YOLO AND YUBA COUNTIES

	Rates	Fringes
SOFT FLOOR LAYER	$ 39.61	22.59

PLAS0300-003 07/01/2018

	Rates	Fringes
PLASTERER		
AREA 295: Alpine, Amador, Butte, Colusa, El Dorado, Glenn, Lassen, Modoc, Nevada, Placer, Plumas, Sacramento, Shasta, Sierra, Siskiyou, Solano, Sutter, Tehema, Trinity, Yolo & Yuba Counties	$ 32.70	31.68
AREA 355: Marin	$ 36.73	31.68
AREA 355: Napa & Sonoma Counties	$ 32.70	31.68

PLAS0300-005 07/01/2017

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER	$ 33.49	23.67

PLUM0038-002 07/01/2020

MARIN AND SONOMA COUNTIES

	Rates	Fringes
PLUMBER (Plumber,		

Steamfitter, Refrigeration
Fitter)
(1) Work on wooden frame structures 5 stories or less excluding high-rise buildings and commercial work such as hospitals, prisons, hotels, schools, casinos, wastewater treatment plants, and resarch facilities as well as refrigeration pipefitting, service and repair work - MARKET RECOVERY RATE.....$ 64.86 43.54
(2) All other work - NEW CONSTRUCTION RATE.....$ 76.30 45.27

PLUM0038-006 07/01/2019

MARIN & SONOMA COUNTIES

	Rates	Fringes
Landscape/Irrigation Fitter (Underground/Utility Fitter).....	$ 63.04	31.48

PLUM0228-001 07/01/2020

BUTTE, COLUSA, GLENN, LASSEN, MODOC, PLUMAS, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHAMA, TRINITY & YUBA COUNTIES

	Rates	Fringes
PLUMBER.....	$ 41.50	34.39

PLUM0343-001 07/01/2019

NAPA AND SOLANO COUNTIES

	Rates	Fringes
PLUMBER/PIPEFITTER		
Light Commercial.....	$ 30.85	20.40
All Other Work.....	$ 52.50	37.37

DEFINITION OF LIGHT COMMERICIAL:
Work shall include strip shopping centers, office buildings, schools and other commercial structures which the total plumbing bid does not exceed Two Hundred and Fifty Thousand ($250,000) and the total heating and cooling does not exceed Two Hundred Fifty Thousand ($250,000); or Any projects bid in phases shall not qualify unless the total project is less than Two Hundred Fifty Thousand ($250,000) for the plumbing bid; and Two Hundred Fifty Thousand ($250,000) for the heating and cooling bid. Excluded are hospitals, jails, institutions and industrial projects, regardless size of the project

FOOTNOTES: While fitting galvanized material: $.75 per hour additional. Work from trusses, temporary staging, unguarded structures 35' from the ground or water: $.75 per hour additional. Work from swinging scaffolds, boatswains chairs or similar devices: $.75 per hour additional.

PLUM0350-001 08/01/2019

EL DORADO COUNTY (Lake Tahoe area only); NEVADA COUNTY (Lake Tahoe area only); AND PLACER COUNTY (Lake Tahoe area only)

	Rates	Fringes
PLUMBER/PIPEFITTER	$ 45.84	13.81

PLUM0355-001 07/01/2020

ALPINE, AMADOR, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NAPA, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SOLANO, SUTTER, TEHAMA, TRINITY, YOLO, AND YUBA COUNTIES

	Rates	Fringes
Underground Utility Worker /Landscape Fitter	$ 29.90	16.30

PLUM0442-003 07/01/2020

AMADOR (South of San Joaquin River) and ALPINE COUNTIES

	Rates	Fringes
PLUMBER	$ 45.50	31.89

PLUM0447-001 07/01/2020

AMADOR (north of San Joaquin River), EL DORADO (excluding Lake Tahoe area), NEVADA (excluding Lake Tahoe area); PLACER (excluding Lake Tahoe area), SACRAMENTO AND YOLO COUNTIES

	Rates	Fringes
PLUMBER/PIPEFITTER		
Journeyman	$ 54.37	25.75
Light Commercial Work	$ 36.23	17.72

ROOF0081-006 08/01/2019

MARIN, NAPA, SOLANO AND SONOMA COUNTIES

	Rates	Fringes
Roofer	$ 40.10	18.88

ROOF0081-007 08/01/2020

ALPINE, BUTTE, COLUSA, EL DORADO, GLENN,LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHAMA, TRINITY, YOLO, AND YUBA COUNTIES

	Rates	Fringes
Roofer	$ 39.73	19.11

SFCA0483-003 07/29/2019

MARIN, NAPA, SOLANO AND SONOMA COUNTIES

	Rates	Fringes
SPRINKLER FITTER (Fire Sprinklers)	$ 65.52	32.67

SFCA0669-003 04/01/2020

ALPINE, BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHAMA, TRINITY, YOLO AND YUBA COUNTIES

	Rates	Fringes
SPRINKLER FITTER	$ 40.87	25.77

SHEE0104-006 06/29/2020

MARIN, NAPA, SOLANO SONOMA & TRINITY COUNTIES

	Rates	Fringes
Sheet Metal Worker		
Mechanical Contracts		
$200,000 or less	$ 55.92	45.29
All other work	$ 64.06	46.83

SHEE0104-009 07/01/2020

AMADOR, COLUSA, EL DORADO, NEVADA, PLACER, SACRAMENTO, SUTTER, YOLO AND YUBA COUNTIES

	Rates	Fringes
SHEET METAL WORKER	$ 46.60	40.21

SHEE0104-010 07/01/2020

AlPINE COUNTY

	Rates	Fringes
SHEET METAL WORKER	$ 43.50	37.42

SHEE0104-011 07/01/2020

BUTTE, COLUSA, EL DORADO, GLENN, LASSEN, MODOC, NEVADA, PLACER, PLUMAS, SACRAMENTO, SHASTA, SIERRA, SISKIYOU, SUTTER, TEHAMA, YOLO AND YUBA COUNTIES

	Rates	Fringes
Sheet Metal Worker (Metal decking and siding only)	$ 44.45	35.55

SHEE0104-014 07/01/2020

MARIN, NAPA, SOLANO, SONOMA AND TRINITY COUNTIES

	Rates	Fringes
SHEET METAL WORKER (Metal Decking and Siding only)	$ 44.45	35.55

SHEE0104-019 07/01/2020

BUTTE, GLENN, LASSEN, MODOC, PLUMAS, SHASTA, SIERRA, SISKIYOU AND TEHAMA COUNTIES

	Rates	Fringes
SHEET METAL WORKER		
Mechanical Jobs $200,000 & under	$ 35.16	35.88
Mechanical Jobs over $200,000	$ 46.60	40.21

TEAM0094-001 07/01/2018

	Rates	Fringes
Truck drivers:		
GROUP 1	$ 31.68	27.86
GROUP 2	$ 31.98	27.86
GROUP 3	$ 32.28	27.86
GROUP 4	$ 32.63	27.86
GROUP 5	$ 32.98	27.86

FOOTNOTES:
Articulated dump truck; Bulk cement spreader (with or without auger); Dumpcrete truck; Skid truck (debris box); Dry pre-batch concrete mix trucks; Dumpster or similar type; Slurry truck: Use dump truck yardage rate.
Heater planer; Asphalt burner; Scarifier burner; Industrial lift truck (mechanical tailgate); Utility and clean-up truck: Use appropriate rate for the power unit or the equipment utilized.

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Dump trucks, under 6 yds.; Single unit flat rack (2-axle unit); Nipper truck (when flat rack truck is used appropriate flat rack shall apply); Concrete pump truck (when flat rack truck is used appropriate flat rack shall apply); Concrete pump machine; Fork lift and lift jitneys; Fuel and/or grease truck driver or fuel person; Snow buggy; Steam cleaning; Bus or personhaul driver; Escort or pilot car driver; Pickup truck; Teamster oiler/greaser and/or serviceperson; Hook tender (including loading and unloading); Team driver; Tool room attendant (refineries)

GROUP 2: Dump trucks, 6 yds. and under 8 yds.; Transit mixers, through 10 yds.; Water trucks, under 7,000 gals.; Jetting trucks, under 7,000 gals.; Single-unit flat rack (3-axle unit); Highbed heavy duty transport; Scissor truck; Rubber-tired muck car (not self-loaded); Rubber-tired truck jumbo; Winch truck and ""A"" frame drivers; Combination winch truck with hoist; Road oil truck or bootperson; Buggymobile; Ross, Hyster and similar straddle carriers; Small rubber-tired tractor

GROUP 3: Dump trucks, 8 yds. and including 24 yds.; Transit

mixers, over 10 yds.; Water trucks, 7,000 gals. and over; Jetting trucks, 7,000 gals. and over; Vacuum trucks under 7500 gals. Trucks towing tilt bed or flat bed pull trailers; Lowbed heavy duty transport; Heavy duty transport tiller person; Self- propelled street sweeper with self-contained refuse bin; Boom truck - hydro-lift or Swedish type extension or retracting crane; P.B. or similar type self-loading truck; Tire repairperson; Combination bootperson and road oiler; Dry distribution truck (A bootperson when employed on such equipment, shall receive the rate specified for the classification of road oil trucks or bootperson); Ammonia nitrate distributor, driver and mixer; Snow Go and/or plow

GROUP 4: Dump trucks, over 25 yds. and under 65 yds.; Water pulls - DW 10's, 20's, 21's and other similar equipment when pulling Aqua/pak or water tank trailers; Helicopter pilots (when transporting men and materials); Lowbedk Heavy Duty Transport up to including 7 axles; DW10's, 20's, 21's and other similar Cat type, Terra Cobra, LeTourneau Pulls, Tournorocker, Euclid and similar type equipment when pulling fuel and/or grease tank trailers or other miscellaneous trailers; Vacuum Trucks 7500 gals and over and truck repairman

GROUP 5: Dump trucks, 65 yds. and over; Holland hauler; Low bed Heavy Duty Transport over 7 axles

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage

determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

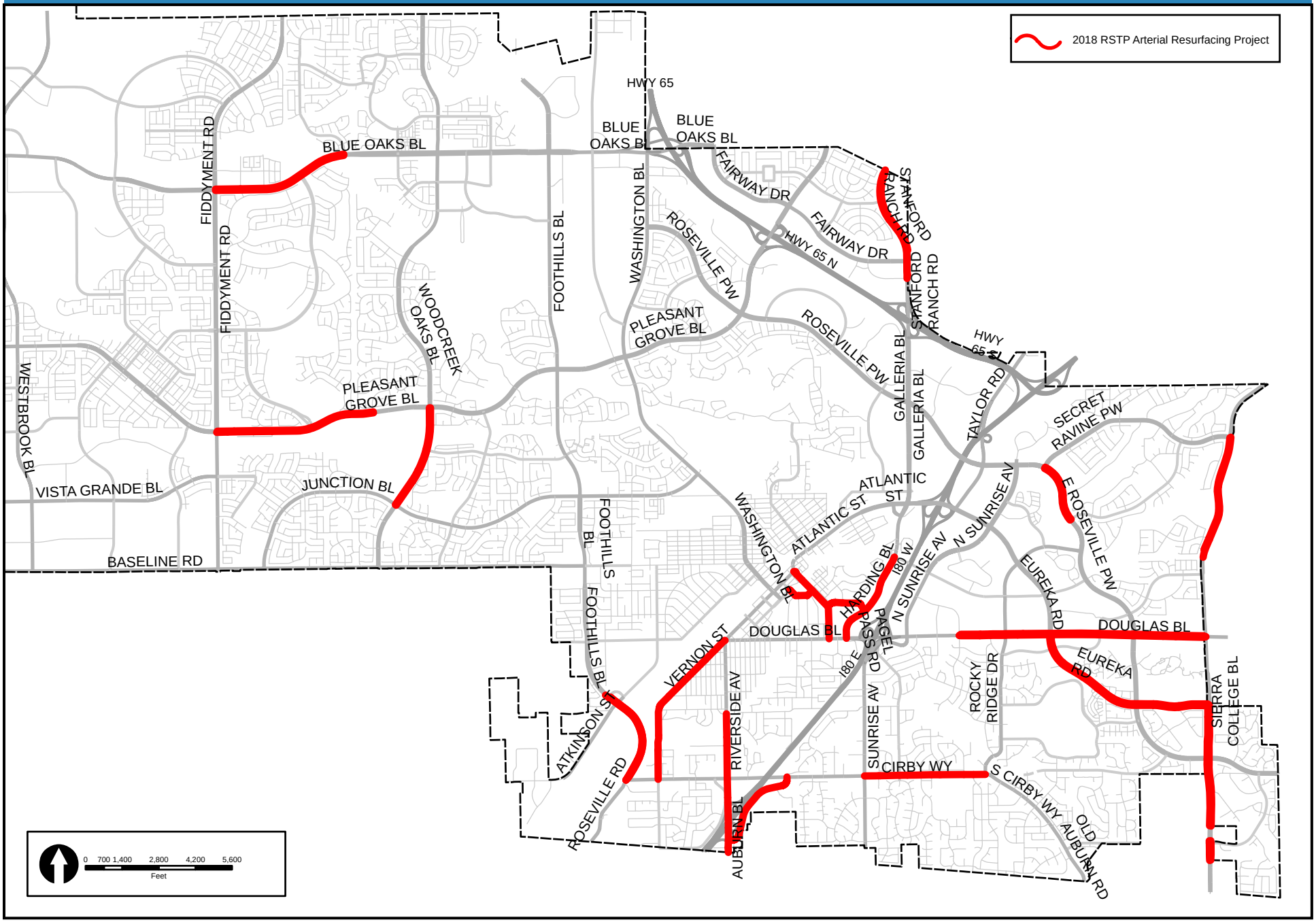
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END OF GENERAL DECISION"

CITY OF ROSEVILLE CALIFORNIA

Exhibit A - 2018 RSTP Arterial Resurfacing

Public Works - Engineering



S:\Arcdata\publicworks\CIP\2019 RSTP ArterialResurfacing Plan.mxd Date Saved: 3/21/2019 2:25:15 PM

ORDINANCE NO. 6326

ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE FISCAL YEAR 2020-21 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN APPROPRIATION MEASURE

THE CITY OF ROSEVILLE ORDAINS:

SECTION 1. The City of Roseville Annual Budget, Fiscal Year 2020-21, is hereby amended as listed on the attached budget adjustment for the 2018 Regional Surface Transportation Program Arterial Resurfacing Project.

SECTION 2. This ordinance is hereby declared to be an appropriation measure, immediately effective pursuant to the provisions of Section 5.03 of the Charter.

SECTION 3. The City Clerk is hereby authorized and directed to post a true copy of the foregoing ordinance in each of three (3) conspicuous locations in the City and she shall immediately after such posting enter in the ordinance book, under the record of the ordinance, a certificate under her hand stating the time and place of such publication by posting.

PASSED AND ADOPTED by the Council of the City of Roseville, this _____ day of _____, 2021, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk

REQUEST FOR BUDGET ADJUSTMENT

REQUESTER NAME & TITLE:	Jesse Khatkar, Assistant Engineer	FISCAL YEAR:	2021
PREPARER NAME & TITLE:	Jesse Khatkar, Assistant Engineer	COUNCIL DATE (if applicable):	2/03/2021
DEPARTMENT/DIVISION:	Public Works - Engineering	ORDINANCE:	

EXPENDITURES/EXPENSES/TRANSFERS OUT

ACCOUNT STRING				BUDGET ($)	DESCRIPTION
Fund	Account	Center	Project	Adjustment	
2305	5411	84001	400096	7,357,422	Establish Project Budget for Project Construction
2305	5301	84001	400096	800,000	Establish Project Budget for Professional Services
2305	5080	84001	400096	200,000	Establish Project Budget for Staff Time
			TOTAL	8,357,422	

REVENUES/TRANSFERS IN

ACCOUNT STRING				BUDGET ($)	DESCRIPTION
Fund	Account	Center	Project	Adjustment	
2305	4401	84001	400096	5,754,369	Federal Funds Obligated
2305	4401	84001	400096	2,603,053	Federal Funds Programmed
			TOTAL	8,357,422	

NET ADJUSTMENT	-	

FUND BALANCE

ACCOUNT STRING				BUDGET ($)	DESCRIPTION
Fund	Account	Center	Project	Adjustment	
			TOTAL	-	

Justification for Budget Adjustment:

This budget adjustment is requested to fund the 2018 Regional Surface Transportation Program (RSTP) Arterial Resurfacing Project (2017 Arterial Resurfacing). This project's scope includes replacing failed sections of asphalt roadway pavement, resurfacing, curb ramp reconstruction to comply with ADA requirements, and replacing signal detectors at various locations throughout the City. The streets included in the project are portions of Blue Oaks Blvd.; Cirby Way; Estates Dr.; Eureka Rd.; Foothills Blvd.; Folsom Rd.; Harding Blvd.; Orlando Ave.; Pleasant Grove Blvd.; Riverside Ave.; East Roseville Pkwy.; Sierra College Blvd.; Sutter Ave.; Stanford Ranch Rd.; Vernon St.; Douglas Blvd; and Woodcreek Oaks Blvd.

REQUIRED APPROVALS:

Jason Shykowski Digitally signed by Jason Shykowski Date: 2021.01.12 15:50:54 -08'00'

REQUESTING DEPARTMENT HEAD / DESIGNEE	DATE	BUDGET MANAGER / DESIGNEE	DATE
CHIEF FINANCIAL OFFICER / DESIGNEE	DATE	CITY MANAGER / DESIGNEE	DATE

BUDGET DEPARTMENT USE ONLY:

POSTED BY	DATE

Revised: June 24, 2019

COUNCIL COMMUNICATION

CC #: 1251
File #: 0900-02 & 0201-01

Title:	Downtown Water Mains Replacement Project – Hillcrest Neighborhood - Project Approval, Design-Assist Construction Agreement, and Budget Adjustment
Contact:	Janice Gainey 916-223-7860 jrgainey@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 7.19.

RECOMMENDATION TO COUNCIL

Staff recommends that City Council:

1. Approve the project's construction plans and specifications.
2. Approve the Design-Assist Construction Agreement for the Downtown Water Mains Replacement Project – Hillcrest Neighborhood with A. Teichert & Son, Inc. in the amount of $6,995,535 and adopt a resolution authorizing the City Manager to execute the attached Design-Assist Construction agreement for the project.
3. Authorize the Environmental Utilities Director or his designee to approve and pay for contract change orders for this project that could increase the contract amount by no more than 10 percent ($699,554) or a not-to-exceed total contract amount of $7,695,089.
4. Adopt an ordinance to approve a budget adjustment of $7,495,089 from available resources in the Water Rehabilitation Fund to fully fund the remaining elements of this project.

BACKGROUND

An analysis of maintenance history, flow capacity limitations, and age of the water distribution pipelines in the Roseville downtown area has identified the need for mainline replacements and upsizing. The scope of this project includes Design-Assistance and Construction of approximately 20,315 feet of 8-inch and 12-inch water mains and associated appurtenances including fire hydrants, valves, blow-offs, cathodic protection system and test stations, installation of 348 new 1-inch potable water service lines (up to existing meters), survey, potholing, geotechnical testing and inspection, and abandonment of existing facilities.

In October 2020, the City released a request for proposals (RFP) for construction services of the facilities, using a Design-Assist project delivery method. On November 20, 2020, three (3) construction firms submitted proposals to the City Clerk’s office for review and consideration. Based upon review of the proposals by the Environmental Utilities Department's Proposal Evaluation Committee, the proposal of A. Teichert & Son, Inc. was identified as providing the best value to the City and was ranked the highest based on the evaluation criteria outlined in the RFP. Staff therefore recommends that the contract be awarded to A. Teichert & Son, Inc.

This project supports the City's Strategic Plan Goal F (Invest in Well-Planned Infrastructure and Growth) by reinvesting in aging infrastructure.

FISCAL IMPACT

The Downtown Water Mains Replacement Project has a remaining budget of approximately $200,000 and will require an additional $7,495,089 from available resources in the Water Rehabilitation Fund to cover the not-to-exceed contract amount of $7,695,089. The recommended budget adjustment will increase the total budget for this project to $9,028,337.

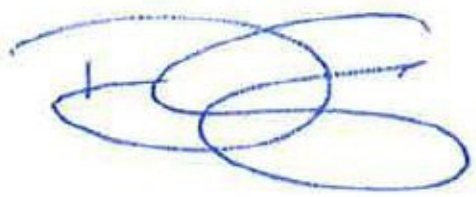
ENVIRONMENTAL REVIEW

The proposed project involves the replacement and reconstruction of existing utility service facilities, that will not result in expansion of use. This activity is categorically exempt from CEQA as a Class 2 Exemption (State CEQA Guidelines Section 15302). The Exemption has been prepared and no further CEQA action is required.

Respectfully Submitted,

Janice Gainey, Senior Engineer

Richard Plecker, Environmental Utilities Director



_____

Dominick Casey, City Manager

ATTACHMENTS:

Description

Resolution 21-036

Volume 1 of 4 - Request for Proposals

Volume 2 of 4 - Agreement

Volume 3 of 4 - Specifications

Volume 4 of 4 - Drawings

Ordinance 6324

Budget Adjustment

RESOLUTION NO. 21-036

APPROVING A DESIGN-ASSIST CONSTRUCTION AGREEMENT BETWEEN THE CITY OF ROSEVILLE AND A. TEICHERT & SON, INC. DBA TEICHERT CONSTRUCTION, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE

WHEREAS, a design-assist construction agreement regarding the Oak Street Parking Facility Project, between the City of Roseville and A. Teichert & Son, Inc. dba Teichert Construction, has been reviewed by the City Council; and

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Roseville that said agreement is approved and that the City Manager is authorized to execute it on behalf of the City of Roseville.

BE IT FURTHER RESOLVED that the City Manager or his designee is authorized to approve change orders for the project, consistent with the contract terms, provided that the net cost of all change orders shall not exceed ten percent (10%) of the contract price.

PASSED AND ADOPTED by the Council of the City of Roseville this____day of _____, 20_, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk

CONTRACT DOCUMENTS FOR

DESIGN-ASSIST AND CONSTRUCTION OF DOWNTOWN WATER MAINS REPLACEMENT PROJECT HILLCREST NEIGHBORHOOD

VOLUME 1 OF 4:

REQUEST FOR PROPOSALS (RFP)

INCLUDING:
Proposal Selection Process, Instructions,
Requirements and Forms

DUE: Friday November 20, 2020 at 3:00 PM

DELIVER TO:
City of Roseville
Attn: City Clerk Department
311 Vernon Street
Roseville, CA 95678

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CITY OF ROSEVILLE

NOTICE FOR PROPOSALS

DESIGN-ASSIST AND CONSTRUCTION OF DOWNTOWN WATER MAINS REPLACEMENT PROJECT HILLCREST NEIGHBORHOOD

NOTICE IS HEREBY GIVEN that proposals for **Downtown Water Mains Replacement Project – Hillcrest Neighborhood** will be received by the City of Roseville. Proposals will be accepted **ONLY** at the office of the **City Clerk, Civic Center, 311 Vernon Street, Roseville, CA, 95678**, until **3:00 p.m., Friday, November 20, 2020**.

Said proposals will be evaluated and results will be made public after completion of the negotiation process with the selected contractor. The City reserves the right to reject any or all proposals and to waive any informalities or irregularities in any proposal or in the proposal process.

October 19, 2020
Date

Janice Gainey, Senior Engineer
Environmental Utilities

CITY OF ROSEVILLE

** IMPORTANT – RFP DELIVERY **

- The City is not responsible for misdelivered proposals, and the proposer is strictly liable for its chosen method of delivery.
- It is the proposer's sole responsibility to make sure that proposals arrive at the proper location.
- Any proposal which does not actually arrive in the City Clerk's Office by the RFP due date and time will be rejected as non-responsive, even if properly addressed or delivered to another City Department.

Your proposal **MUST** be addressed and delivered as follows:

City of Roseville
Attn: City Clerk Department
311 Vernon Street
Roseville, CA 95678

- The proposer is also directed to include the attached "Sealed Proposal" label on the outside of the package or envelope so that it is visible when delivered to the City.

CITY OF ROSEVILLE

PREVAILING WAGE NOTIFICATION

This is a prevailing wage project. Accordingly, all prevailing wage and fair employment laws and regulations shall be adhered to. For prevailing wage contracts over $25,000.00, copies of certified payroll must be submitted with invoices. Prevailing wage rates may be obtained from the Department of Industrial Relations and/or the following website address:

http://www.dir.ca.gov/dlsr/DPreWageDetermination.htm

CITY OF ROSEVILLE

DEPARTMENT OF INDUSTRIAL RELATIONS CONTRACTOR REGISTRATION

No contractor or subcontractor may be listed on a Proposal for or work on a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5. The Contractor shall provide proof of current registration with the Department of Industrial Relations for both itself and all listed subcontractors with their Proposal. The Contractor is hereby notified that this Project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

https://www.dir.ca.gov/Public-Works/Contractor-Registration.html

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CITY OF ROSEVILLE
ENVIRONMENTAL UTILITIES-ENGINEERING

RFP
FOR DESIGN-ASSIST AND CONSTRUCTION OF THE DOWNTOWN WATER MAINS REPLACEMENT PROJECT – HILLCREST NEIGHBORHOOD

1.0 INTRODUCTION

The City of Roseville (hereinafter "City") is soliciting proposals for the Downtown Water Mains Replacement Project – Hillcrest Neighborhood. This will be a competitive negotiation process. Qualified individuals, firms, contractors, consultants or entities (hereinafter "Contractor(s)"), that meet the requirements set forth in this Request for Proposals (hereinafter "RFP"), and are capable of providing the services requested are encouraged to participate.

1.1 BACKGROUND

An analysis of maintenance history, flow capacity limitations, and age of the water distribution pipelines in the Roseville downtown area has identified the need for mainline replacements and upsizing. Project includes construction of new water mains, re-installation of service laterals, and upsizing of existing fire hydrants in the Hillcrest neighborhood. See Section 5 – Scope of Services for more information.

1.2 CITY OVERVIEW

The City of Roseville is an incorporated city with a population of more than 122,000 residents, located in Placer County off of Interstate 80, approximately 16 miles northeast of Sacramento, California. The City of Roseville is a Charter city operating under the City Council/City Manager form of government.

1.3 SCOPE OVERVIEW

The work includes but is not limited to Design-Assist and Construction of approximately 20,315 feet of 8-inch and 12-inch water mains and associated appurtenances including fire hydrants, valves, blow-offs, cathodic protection system and test stations, installation of 348 new services with new service lines, survey, potholing, geotechnical testing and inspection, and abandonment of existing facilities.

The contract time is 280 days, with the Notice to Proceed projected to be issued by February 1, 2021.

1.4 TENTATIVE SCHEDULE

The following represents the tentative schedule for this RFP. Any change in the scheduled dates for the Pre-Proposal, Deadline for Final Questions, or Proposal Submission Deadline will be advertised in the form of an addendum to this RFP. The schedule for the evaluation process and other future dates may be adjusted without notice.

Table 1: Tentative Schedule

Event	Date
RFP Released by the City	10/19/20
Pre-Proposal Conference (Attend Online) 9AM	10/28/20
Deadline for Final Questions	11/10/20
Proposal Submission Deadline 3PM	11/20/20
Anticipated Contractor Interviews as needed	12/10/20
Anticipated Contract Negotiations	12/14/20
Anticipated Contract Approval by City Council	1/20/21
Anticipated Notice to Proceed	1/28/21
Anticipated Final Completion	11/1/21

2.0 AVAILABLE INFORMATION

2.1 CONTRACT DOCUMENTS

The Contract Documents consist of:

- VOLUME 1 – Request of Proposals (this document) and all of the required forms and attachments.
- VOLUME 2 – Sample Agreement (Contract)
- VOLUME 3 – Technical Specifications
- VOLUME 4 – Drawings

Any Proposer planning to submit a Proposal, is responsible for examining with appropriate care, the complete Contract Documents and all Addenda, and is also responsible for informing themselves with respect to all conditions, which might in any way affect the cost or the performance of the Work. Failure to do so will be at the sole risk of the Proposer, and no relief shall be given for errors or omissions by the Proposer. The submission of a Proposal shall constitute an acknowledgment upon which City shall rely on as a confirmation that the Proposer has thoroughly examined and is familiar with the Contract Documents and that the Proposer has waived any objections or contentions regarding the Contract Documents and/or the Proposal submission requirements. The failure or neglect of a Proposer to receive or examine any of the Contract Documents shall in no way relieve it from any obligation with respect to its Proposal or to the Agreement. No claim for additional compensation will be allowed which is based upon a lack of knowledge of any Contract Documents.

2.2 SUPPLEMENTAL INFORMATION

Supplemental information that is available includes:

- Hillcrest Storm Drain Improvements Project – Geotechnical Investigation – Wood Rodgers – February 15, 2017
- Downtown Water Mains Replacement – Hillcrest – Corrosion Study – June 5, 2020

3.0 MANDATORY PRE-PROPOSAL MEETING

A mandatory pre-proposal conference has been scheduled for **Wednesday, October 28th at 9AM** via a Microsoft Teams video call. Below are instructions for connecting to this conference either through your computer or telephone.

- **Computer link:** Copy the below link into your internet browser.

https://teams.microsoft.com/l/meetup-join/19%3ameeting_NzdhZmJhNmYtOTk3MC00YmExLWE4ZjktZGMzMDcyMDBlMzAx%40thread.v2/0?context=%7b%22Tid%22%3a%22446c7c35-e59d-4e53-84df-3832018aec5a%22%2c%22Oid%22%3a%22cf40f9df-090c-4107-90dd-44e975585bdf%22%7d

The Microsoft Teams app does not need to be installed on the connecting computer as you will be presented an option to join using a web browser or the application.

- **Telephone:** 1 213-282-6642
- **Conference ID:** 367 544 245#

The City will be sharing a PowerPoint Presentation on the screen share of Microsoft Teams therefore it is recommended that Potential Proposers connect via a computer if possible.

During the conference potential proposers will have an opportunity to ask questions regarding the scope of the project or requirements of this RFP. To make the meeting more effective for all participants, attendees are strongly encouraged to review the RFP and associated documents prior to the meeting.

Substantial clarifications or changes required as a result of the meeting will be issued as an addendum to the RFP. A list of attendees will be distributed upon request.

4.0 INSTRUCTIONS TO PROPOSERS

This RFP includes a description of the scope of services, proposal requirements, and instructions for submitting your proposal. Failure to follow these instructions may result in rejection of your proposal.

4.1 OVERVIEW OF PROPOSAL PROCESS

- ✓ Attend Mandatory Pre-Proposal Conference (Section 3).
- ✓ Study all RFP/Contract Documents and Supplemental Information.
- ✓ Prepare Proposal Parts 1 and 2. (Section 7).
- ✓ Follow Proposal Submittal Instructions (Section 8) to submit by due date and time.

4.2 COMMUNICATIONS REGARDING THIS RFP AND PROJECT

To protect the integrity of the procurement process, by shielding it from undue influences prior to the recommendation of Project award, there are strict prohibitions regarding communications between potential Proposers and the City. From the publication of this RFP until the time of City's publication of the Notice of Intent to Award, the following rules will apply:

- City's Representative for this project is:

  Janice Gainey, P.E.
  Senior Engineer
  City of Roseville Environmental Utilities-Engineering
  2005 Hilltop Circle
  Roseville, CA 95747
  JRGainey@roseville.ca.us.

- Direct all inquiries regarding this RFP in writing to: http:www.publicpurchase.com.

- No oral representations or interpretations will be made to any Proposer as to the meaning of this RFP.

- Do not contact any other CITY staff or departments in regard to this project. Information provided by anyone other than the above contact may be invalid and Proposals which are submitted in accordance with such information may be declared non-responsive.

- Other than contact with the City's Representative, communication (of any form) with any City staff including its consultants and City Council members and their staff, is prohibited.

- If the City determines that the communication prohibition rules have been violated, the City may use this as grounds for Proposal rejection.

4.3 REVISIONS TO REQUEST FOR PROPOSALS

In the event that it becomes necessary to revise any part of this RFP, written addenda will be issued. Any amendment to this RFP is valid only if it is in writing and issued by the City department issuing the RFP. No oral interpretations or answers shall bind the City unless confirmed by the City in writing.

All addenda for this RFP will be distributed to Proposers who have registered with PublicPurchase.com and who have downloaded the RFP. Additionally, the Notice of Intent to Award will be posted on PublicPurchase.com. **It is the proposer's sole responsibility to monitor PublicPurchase.com for possible addenda to this RFP and for the Notice of Intent to Award**. Failure of proposer to retrieve addenda or the Notice of Intent to Award from PublicPurchase.com shall not relieve him/her of the requirements contained therein or the timelines associated therewith. Additionally, failure of proposer to return a signed addendum, when required, may be cause for rejection of his/her proposal.

5.0 SCOPE OF SERVICES

5.1 PROJECT OBJECTIVES

One of the City's strategic goals is to invest in well-planned infrastructure and growth. This project supports that goal by reinvesting in aging infrastructure in the Downtown Roseville area. Additionally, the City has some specific objectives for the successful execution of the Downtown Water Mains Replacement project in the Hillcrest neighborhood.

1. Minimize impacts to local residents. By utilizing a phased construction sequence, minimize disruptions to residents in each area. Provide clear communications with project schedules and requirements. Provide information and answer resident's questions.
2. Construction sequencing by area to allow City's Public Works Department to follow water pipeline installation with scheduled roadway resurfacing.
3. Folsom Road prioritized for early completion.
4. Streamline construction process by creating a teaming relationship with the Contractor through a Design-Assist contracting arrangement.

5.2 DESIGN ASSIST

Design-assist is a project delivery method in which the construction team is engaged by the City to collaborate with the City hired engineer during the design phase. It is intended to reduce the cost and time for construction, improve constructability and add value. This teaming arrangement is being implemented to fully capitalize on the strengths of all parties, detect and resolve constructability issues, identify and consider more efficient construction methods, and reduce change orders.

The Contractor is a Design-Assist Team member with responsibility to complete the following design assist activities.

Prior to Construction:

- Conduct a constructability review of the Final Design Submittal Drawings and Specifications.

- Identify cost savings, added value alternative design[1], and construction solutions.
- Identify construction sequencing options and the impacts of the alternatives to the local residents and the City.
- Conduct potholing and utility location activities to provide data to the Design-Assist Team allowing time for plan revisions prior to the start of construction. Includes all labor, equipment and materials for potholing potential mainline utility conflicts with the proposed water main alignment. An estimated 730 potholes are required per the current alignment.
- Produce detailed markups of the plans with pothole data and any field observations to aid the Engineer in final design.
- Develop a detailed work schedule.
- Participate in a cooperative partnership relationship with City, Engineer, and Construction Manager to develop a comprehensive construction plan that minimizes project risk and meets City's project objectives including development of final Project Drawings and Specifications for Construction.

Once Plans and Specifications are Finalized:

- Permitting,
- Development of Traffic Control Plans for installation,
- Procurement, and
- Resolving site logistics.

During Construction:

- Coordinate with Design-Assist Team and work collaboratively to resolve unforeseen site conditions/complications. In particular, any field changes to storm drain and sewer crossings must be coordinated with the Engineer.
- Provide Best Management Practices (BMP) per the project Storm Water Pollution Prevention Plan (SWPPP) and provide inspections as required.
- Provide continued value engineering and schedule efficiency input to the Design-Assist Team.

[1] Note that the Engineer is the entity professionally responsible for the design of the Project. City acknowledges that Contractor is a general contractor and not an architect or engineer. Except with respect to any subcontractors of Contractor providing architectural or engineering services for the Project as design-build work, the Contractor's review of or input for any design documents, or Contractor's recommendation for any design concepts, is made solely in Contractor's capacity as a licensed contractor and not as a licensed design professional. Contractor is not responsible for any errors in the Engineer's design or failure of the design to comply with applicable laws, codes, rules and regulations, or lawful orders of public authorities; however, if Contractor observes any such nonconformity or errors it shall promptly notify City's Representative and the Engineer.

- Provide all third party geotechnical testing services from a licensed geotechnical engineer approved by the City.
- Participate in regularly scheduled construction meetings.
- Interface with City staff (Water Utility, Sewer Utility, Inspections, Permitting, etc.).
- Interface with local residents.

5.3 CONSTRUCTION

The work to be performed under this contract includes furnishing all of the labor, materials, equipment, and associated appurtenances for the installation of approximately 20,315 feet of 8-inch and 12-inch water mains and associated appurtenances including fire hydrants, valves, blow-offs, cathodic protection system and test stations. Included in the work is installation of a total of 348 new services with new service lines from the new mains to meters/boxes. Three (3) of these include relocating existing meters as shown on the plans which will require reconnection of the existing service on the customer's side of the meter (intract). Eight (8) of these services will include new service lines with new meter boxes and a stub-out pipe for future connection within Folsom Road. The project also consists of the abandonment of the existing services and appurtenances.

The scope of work includes notifications and coordination with local residents, verifying location of existing and proposed elevations of each meter and service line to be installed or relocated, locating all conflicting utilities, implementing the Traffic Control Plans, implementing the SWPPP, excavating, shoring, dewatering (groundwater removal), pipe and appurtenance installation, pipe and appurtenance abandonment, backfilling, surface restoration, landscape restoration, and all other work required to complete the work as shown on the plans and specified documents.

The following briefly describes the major project component/cost items for the project. This information is intended as a partial list and does not include all items. The Contractor is required to include all costs associated with the work in the Guaranteed Maximum Price (GMP) including all incidental work.

- **Mobilization, Demobilization, Admin., Construction Staking, Insurance, Bonds, and Permits** – Contractor must include all equipment, materials, and labor associated with mobilization, demobilization, administration, construction staking, insurance, bonds and permits necessary to complete the work.
- **Sheeting/Shoring/Bracing** – Per Labor Code Section 6707, each Proposal submitted in response to this RFP shall contain, as a separate cost item, adequate sheeting, shoring, and bracing, or equivalent method, for the protection of life or limb in trenches and open excavation, exceeding five (5) feet, which shall conform to applicable safety orders. See Attachment H for additional information.
- **Traffic Control** – Includes all tools, equipment, materials, and labor necessary to provide and implement a traffic control plans in compliance with City of Roseville standards. Includes both day and night construction.

- **Storm Water Pollution Prevention Plan Implementation** – Includes all costs associated with implementation of the project SWPPP. The Contractor is required to have a registered QSP on staff or under contract for the duration of the project. The QSP shall be named and certification provided prior to the start of construction.
- **Demolition and Abandonment** – Includes demolition, dismantling and removal of the sections of the existing pipeline and services necessary for abandonment (in-place), and visible appurtenances such as, but not limited to, fittings, valves, and valve boxes. All mainlines and services are to be abandoned in place. Also includes all necessary fittings to connect to the existing pipeline (spools, flex coupling, etc.). Contractor is responsible for determining size and fittings required. This item also includes demolition and removal of pavement sections and capping ends of pressurized and non-pressurized pipe. All demolished materials described above shall be removed from the site and properly disposed of by the Contractor.
- **Pipeline Installation (including all utility crossings)** – Includes all equipment, materials, and labor necessary to furnish and install all 8-inch and 12-inch pipelines including but not limited to, location wire, fabrication, freighting, fittings, 8 mil plastic sheeting, tees and crosses, placement, excavation, bedding, backfilling, compacting of backfill, dewatering (groundwater removal), pipeline restraint (mechanical joint and push-on joint restraints), thrust blocking, temporary surface pavement repair (hot mix) and striping.
- **Corrosion Protection System** – Includes all equipment, materials and labor associated with providing corrosion protection per the project plans, specifications, and the City of Roseville Design and Construction Specifications.
- **Tie-ins to existing system** – Includes furnishing and installing fittings required to make the connection between the new mainline piping and the existing water system.
- **Fire Hydrant Assembly Installation** – Includes furnishing and installing a complete fire hydrant installation per City of Roseville Design and Construction Standards including the mainline tees, 6- or 8-inch gate valves, valve boxes and covers, fire hydrants, knock off assembly, and installation of extension piping from the hydrant to the main line.
- **Install 2-in Blow Off** – Includes furnishing and installing temporary 2-inch blow-off assemblies per City of Roseville Design and Construction Standards. Includes all costs for labor, tools, equipment and materials necessary to complete installation of valves including preparation, excavation, backfill, valve, gaskets, valve extenders, riser pipe, poly wrap, nuts and bolts and valve box and lid.
- **Install New Service, Reconnect to Existing Meter, and Reconnect Existing Service** Includes furnishing and installing all appurtenances necessary to install new copper service line and reconnect the existing water service per City of Roseville Design and Construction Standards, but not limited to, potholing, locating and exposing existing service, excavating, boring, saw cutting, bedding, backfilling, compacting, temporary hot-mix, permanent patch paving for potholes and any work beyond the limits of the standard trench section replacement, concrete (include 20 SF of concrete repair per

property), fittings, insulated locating wire, jumper and washers, brass nipple and meter box and lid. Also includes installation of polyethylene service pipe, meter and transponder, meter assembly, or relocating the existing meter on property.

- **Flush/Pressure Test/ Disinfection** – Includes all materials, equipment and labor to furnish and perform testing and disinfection services associated with the pipelines and appurtenances, including but not limited to, joint and pipeline hydrostatic testing, flushing, chlorination, de-chlorination, and test water disposal and monitoring. This also includes all flushing, pressure testing and disinfection coordination with a Contractor provided and Agency approved third-party who will perform the Bac-T test. Contractor shall ensure that the Agency's representative (inspector) is available to witness the testing.
- **Pavement and Miscellaneous Restoration** – Includes all costs for freighting, labor, tools, equipment and materials necessary to complete permanent pavement restoration per the City of Roseville Design and Construction Standards. Based on the current alignments it is estimated that 155,000-square-feet of pavement restoration will be necessary. Also, includes all miscellaneous property restoration, including all concrete restoration, necessary, landscaping, concrete center island repair or replacement, concrete sidewalk repair, restoration of all roadside drainage, and all incidental work in the installation of the pipeline complete.

6.0 ASSURANCE OF DESIGNATED PROJECT TEAM

Proposer shall assure that the designated project team, including sub-consultants or sub-contractors (if any), is used for this project. Departure or reassignment of, or substitution for, any member of the designated project team, sub-consultant(s) or sub-contractor(s) shall not be made without the prior written approval of the City.

7.0 PROPOSAL REQUIREMENTS AND FORMAT

There are two parts to the Proposal. Part 1 is the Proposer's Technical Proposal and Required Proposal Form Attachments. Part 2 is the Proposer's Guaranteed Maximum Price (GMP), Cost Information, and Proposal Guarantee. Part 1 should be submitted in a separate sealed envelope from Part 2's sealed envelope. Both sealed envelopes shall be submitted simultaneously before the Proposal submission deadline.

Proposal Development. Contractors are encouraged to keep the proposals brief and to the point, but sufficiently detailed to allow evaluation of the Proposer's: project understanding; approach to the design-assist methodology; strategy/approach for execution of the scope of work, qualifications and expertise of the team; and quality control processes. Unauthorized conditions, omissions, limitations or provisions attached to a proposal will render the proposal non-responsive and may cause its rejection.

Proposal Organization. Each response to this RFP must include all of the information described in this section. Provide the information in the specified order. Failure to include all of the information specified may be cause for rejection. Additional

information may be provided, but should be succinct and relevant to the goals of this RFP. Any additional information that a proposing Contractor wishes to include that is not specifically requested should be included in an appendix to the Proposal.

Proposers are warned against making erasures or alterations of any kind, without initialing each and every such change. Proposals that contain erasures or irregularities of any kind, without such initialing, or omissions, may be rejected.

The Proposal should be bound or contained in a loose-leaf binder. Document pages should be 8-1/2 inches by 11 inches in size or folded to such a size. Use section dividers, tabbed in accordance with this section as specified below.

There are page limits for specific sections of the Proposal which are indicated below. For counting of page limits, each single page of text is counted as one page. Double sided pages are counted as two pages. The following sections do not have page limits: cover sheet; index sheets (tab dividers), table of contents, references, signature requirements, safety record, resumes (in the appendix), sample documents, proposed project schedule, financial status documents, and cost proposal.

7.1 PART 1 –TECHNICAL PROPOSAL

Proposer must submit all forms and information required as described in Section 7.1 in a sealed envelope (or container) labeled as Part 1. See Section 8 for additional labeling and delivery instructions.

The following sections are to be included within Part 1 of the Proposer's submittal. Use section dividers (Tabs) as specified below.

COVER LETTER (1-PAGE MAXIMUM)

Include a Cover Letter with, at a minimum, the following information:

- ✓ Title of this RFP
- ✓ Name and Mailing Address of Firm (include physical location if mailing address is a PO Box)
- ✓ Contact Person, Telephone Number, Fax Number, and Email Address

TAB A: FIRM AND TEAM QUALIFICATIONS (4-PAGE MAXIMUM)

Describe your firm and provide a statement of your firm's qualifications for performing the requested services. Provide a brief summary of the role, qualifications and experience of each team member and designated project manager/lead assigned to this project, including length of service with the firm.

Identify the services which would be completed by your firm's staff and those that would be provided by sub-consultants or sub-contractors, if any. Provide a statement of the qualifications/experience of any sub-consultant or sub-contractor staff on your project team.

Include a project organizational chart identifying roles and responsibilities.

Full resumes may be included in an appendix to the proposal (not included in page count).

TAB B: PROJECT UNDERSTANDING (3-PAGE MAXIMUM)

Based on the available information, supplemental research, field observations, and experience with similar projects, provide a narrative describing your understanding of the services requested in this RFP. Describe what you see as the major challenges to achieving the City's stated goals. Identify any issues that you believe will require special consideration for this project.

TAB C: PROJECT APPROACH (3-PAGE MAXIMUM)

Provide a detailed narrative of your firm's approach to the successful implementation of this project. How will the challenges and issues identified in Project Understanding (Tab B) be addressed or mitigated with your unique project approach? Include thorough discussions of methodologies you believe are essential to accomplishing this project, any unique approaches or strengths that your firm may have that will be relevant and advantageous to this project and a description of your quality control process.

Provide information on your public notification process to ensure adequate and timely information is provided to the residents.

Provide proposed work schedule and work sequence to accomplish all of the required tasks within the desired timeline. Sample/proposed work schedule does not count toward the page limit for this section.

TAB D: EXPERIENCE AND REFERENCES (4-PAGE MAXIMUM)

Provide a summary of your firm's experience in providing these or similar services. Provide a minimum of three (3) references for projects or services similar in nature and scope that your firm's team members have completed in the last five (5) years. Include brief descriptions of the projects, dates, a list of proposed staff that were part of the project, client names and contact persons' names, addresses and telephone numbers. Public sector references are preferred.

TAB E: REQUIRED STATEMENTS/DOCUMENTS

Include statements of assurance regarding the following requirements in the proposal:

- Non-substitution for the designated members of the team without approval by City staff **(Section 6.0)**
- The absence of a conflict of interest **(Section 11.4)**
- Indicate your ability and agreement to fulfill the indemnification and insurance requirements contained in the sample contract **(Section 11.7)**. Insurance and Indemnification Requirements are detailed in the Sample Agreement is Volume 2 of the Contract Documents (Article 11). Please note that actual certificates of insurance are not required as part of your submittal.

- A statement that nothing contained in the submitted proposal will be proprietary. (**Section 11.22**), or include Confidential Envelope in Part 2 of Proposal (**Section 7.2**)

Also submit the following documents (completed form attachments) in Tab E.

- Executed copy of Proposer's Certification (**Attachment A**)
- Contractor Licenses (**Attachment B**)
- Subcontractor List (**Attachment C**)
- Executed copy of Noncollusion Declaration (**Attachment D**)
- Iran Contracting Act (**Attachment G**)

TAB F: EXCEPTIONS

Describe any and all proposed exceptions, alterations or amendments to the Scope of Services or other requirements of this RFP, including the Sample Contract (**Volume 2 of the Contract Documents**). The nature and scope of your proposed exceptions may negatively affect the evaluation of your submittal and the City's determination of whether it is possible to successfully negotiate a contract with your firm.

TAB G: LEGAL AND FINANCIAL

The City wants to ensure that the successful Contractor has the necessary facilities, ability, experience, and financial resources to provide the services specified herein in a satisfactory and timely manner. Please list and explain any pending bankruptcies, liens, stop payment notices, judgments, lawsuits, arbitrations, mediations, foreclosures, and any similar actions filed or resolved in the past seven (7) years. Please indicate whether a client has ever terminated a contract with your firm for breach, and if so, please explain.

7.2 PART 2 – COST PROPOSAL

Proposer shall submit all forms and information required as described in Section 7.2 in a separate sealed envelope (or container) labeled as "Part 2". See Section 8 for additional instruction for delivery and labeling.

The following sections must be in included within Part 2 of the Proposal submittal.

TAB H: Guaranteed Maximum Price, Cost of Work and Fee

Contractor must include in their GMP, any work which is not shown on the Design Drawings or outlined in the Technical Specifications but which is necessary or normally required as a part of the Work outlined in the Contract Documents, to provide a complete and fully operable installation. Contractor shall not be able to make any claim to the City for a Change Order, if Contractor does not include the cost of any such work.

Complete **Attachment H** to provide a total cost proposal for all products and services to be delivered; GMP, breakdown of GMP, schedules of hourly rates, equipment, allowance items. Define any reimbursable expenses requested to be paid by the City.

OPTIONAL CONFIDENTIAL ENVELOPE

If a Proposer desires to claim a **privilege against public disclosure** as described in Section 11.23, for a trade secret or other proprietary information, such information must be submitted with the Part 2 Envelope (or container). Seal this statement in a separate envelope, clearly marked "CONFIDENTIAL ENVELOPE" and include in Part 2 Original.

8.0 SUBMITTAL INSTRUCTIONS

8.1 Submittal Package Structure and Contents

There are two parts to the Proposal. Part 1 is the Technical Proposal. Part 2 is the Cost Proposal.

Each part must be labeled appropriately, sealed, and submitted simultaneously before the Proposal submission deadline.

Your submittal packages shall be sealed and include the following:

Envelope 1 (or Container 1)

- One (1) original and five (5) printed copies of your Part 1 – Firm's Qualifications and Technical Proposal (Reference Section 7.1 for contents); and
- Two (2) electronic copies of your entire Part 1 proposal in PDF format on flash drives or other electronic media

Envelope 2 (or Container 2)

- One (1) original and one (1) printed copy of your Part 2 – Cost Proposal and Confidential Financial data.
- Two (2) electronic copies of your entire Part 2 in PDF format on two separate flash drives or other electronic media (one copy on each device).
- Optional "Confidential" Envelope. If a Proposer desires to claim a privilege against public disclosure as described in Section 11.23, for a trade secret or other proprietary information, such information must be submitted with the Proposal in a separate envelope marked "confidential." This confidential envelope should be included in Part 2 Envelope (or container). Only one Confidential Envelope should be submitted. City Staff will ensure that this Confidential Envelope is reviewed by City Attorney's office for future handling. Submit in the Original Part 2 only (not in additional copy and not electronically).

8.2 Proposal Deadline

Proposals must be submitted not later than the date and time and date indicated on the cover page of this RFP.

Postmarks will not be accepted, and Proposals received after the deadline date and time will not be opened and will be returned to Proposer.

8.3 Proposal Delivery Address

Proposals must be submitted ONLY to:

City of Roseville
Attn: City Clerk Department
311 Vernon Street
Roseville, CA 95678

Re: Downtown Water Mains Replacement Project

Attention: Janice Gainey, Environmental Utilities-Engineering

8.4 Delivery Responsibility

The City will not be responsible for proposals delivered to a person or location other than that specified in Section 8.3 above.

8.5 Hard Copy Proposals Only

Only hard copy proposals will be accepted. Faxed and/or emailed proposals will not be accepted.

8.6 Labeling

Each submittal envelope/container (Part 1 and Part 2) must include the City's "Sealed Proposal" label. In addition to the City's label, clearly mark each envelope as either Part 1 or Part 2. See Attachment I for "Sealed Proposal" label.

8.7 Postmarks

Postmarks will not be accepted, and proposals received after the deadline date and time will not be accepted or considered.

8.8 Proposal Preparation Costs

All costs associated with proposal preparation will be borne by the proposer.

8.9 Minor Irregularities

The City reserves the right to waive minor defects and/or irregularities in proposals and will be the sole judge of the materiality of any such defect or irregularity.

8.10 Department of Industrial Relations Contractor Registration:

No contractor or subcontractor may be listed on a proposal for or work on a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5. The Contractor must provide proof of current registration with the Department of Industrial Relations for both itself and all listed subcontractors with their

proposal. The Contractor is hereby notified that this project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

9.0 EVALUATION CRITERIA and PROPOSAL SCORING

A selection committee consisting of City employees will evaluate and rank the Proposals received. The City may conduct such reference checks as the City deems necessary to establish the responsibility, and qualifications of the Proposer's team, to perform the Work.

The following evaluation criteria and rating schedule will be used to determine the most highly qualified firm(s).

Table 2: Proposal Scoring

Tab	Evaluation Category	Maximum Score
	Part One - Technical Proposal and Proposal Forms	
A	Firm and Team Qualifications	40
B	Project Understanding	20
C	Project Approach	60
D	Experience and References	30
E	Required Statements/Documents	Pass/Fail
F	Exceptions	Pass/Fail
G	Legal and Financial	Pass/Fail
	Part 1 Maximum Score	**150**
	Part Two – Cost Proposal	
	Proprietary Information Letter (Optional)	N/A
	Guaranteed Maximum Price, Cost of Work, and Fee (See scoring details below)	50
	Part 2 Maximum Score	**50**
	Total Maximum Score Parts 1 and 2	**200**
	Part 3 (OPTIONAL) Interviews if needed	30
	Total Possible Maximum Score	**230**

Points Scoring Formulas for Part Two (Envelope 2) of the Proposal.
The Part Two scoring will order the Proposals received and score each using the following formulas:

- Total Proposed GMP Score
  - Lowest GMP receives 40 Points
  - GMP within 3% of Lowest GMP receives 40 Points
  - GMP more than 3% and less than or equal to 6% of Lowest GMP receives 30 points

- GMP more than 6% and less than or equal to 10% of Lowest GMP receives 20 points
- GMP more than 10% and less than or equal to 13% of Lowest GMP receives 10 points
- GMP greater than 13% of Lowest GMP receives 0 Points

- Proposed Total Fee Mark-Up for General Overhead & Profit Score = 5 Points x Lowest Fee / Proposer's Fee
- Proposed Shared Savings = 5 Points x Proposer's % to Owner / Highest % to Owner

10.0 SELECTION PROCESS

10.1 Award of Contract

Award of the RFP shall be made to the responsible Proposer whose Proposal is determined, through a formal evaluation panel process, to be the most advantageous to the City after the evaluation panel has taken into consideration the evaluation factors set forth in the RFP. A master score sheet shall be created based on the evaluation panel's initial evaluation. Proposals shall be scored according to the criteria stated in the RFP.

10.2 Interviews

If City determines that a Proposer cannot be selected based solely on the Proposals submitted, the top ranked Proposers submitting the most highly rated technical Proposals may be invited for interviews with the selection committee. The Proposer's proposed Project Manager must be present at the interview; up to three (3) others may attend at the discretion of the Proposer. After this process, the Proposers will be ranked and notified.

The City reserves the right to make a selection after review of the Proposals without oral interviews; therefore, the Proposal should be submitted initially on the most favorable terms that the contractor might propose.

10.3 Contract Negotiation

A contract will be negotiated with the Contractor considered best meeting the City's need for this project. In the event a mutually satisfactory contract cannot be negotiated with the City's first choice, negotiations may be terminated and commenced with the Contractor considered next best in meeting the City's needs for this particular project.

10.4 Contract Execution

The selected Contractor will be required to execute a City prepared contract (Agreement). Sample Agreement is included in these documents as "Volume 2 – Agreement". The contract may further refine the scope of services and will provide for the terms and conditions.

10.5 City Council Approval

The award of any contract is expressly contingent upon City Council approval and the availability of funds. City staff may not legally bind the City to a contract.

10.6 City's Right to Reject All Proposals

The City reserves the right to reject any or all proposals, or to waive minor irregularities in said proposals, or to negotiate minor deviations with the successful Contractor(s). In the case of differences between written words and figures in a proposal, the amount stated in written words shall govern. In the case of a difference in unit price versus the extended figure, the unit price shall govern.

10.7 City's Right to Seek Clarification

The City reserves the right to seek clarification on any or all proposal submittals to ensure the RFP specifications are met. Proposals may be rejected from any proposer who does not comply with the City's request for clarification.

10.8 Notice of Intent (NOI)

Once a decision has been made to award the contract, then a formal notice of the intent to award to the recommended proposer(s) shall be made by the Department.

10.9 License, Permits, and Certifications

A City of Roseville business license as well as all applicable permits, licenses and certifications required by local, state or federal law are required before the award of contract.

Contractors are not required to have a City of Roseville Business license to submit a proposal; however, it will be required before executing a Contract. Contractors may apply for a business license at:
https://www.roseville.ca.us/government/departments/finance/licensing/business

11.0 GENERAL TERMS & CONDITIONS

11.1 Standard Contract

Upon completion of the evaluation and recommendation for award, the selected Contractor will be required to execute an agreement prepared by the City, a sample of which is included as **Volume 2 of the Contract Documents**.

11.2 Independent Contractor

At all times the Contractor shall represent himself/herself to be an independent contractor offering such services to the general public and shall not represent himself/herself, or his/her employees, to be an employee of the City. Therefore, the Contractor shall assume all legal and financial responsibility for taxes, FICA, employee fringe benefits, workers'

compensation, employee insurance, minimum wage requirements, overtime, etc., and agrees to indemnify, save, and hold the City, its officers, agents, and employees, harmless from and against, any and all loss, cost (including attorneys' fees), and damage of any kind related to such matters.

11.3 Non-Appropriation

The City may terminate any resulting contract at the end of any fiscal year, June 30th, without further liability other than payment of debt incurred during such fiscal year, should funds not be appropriated by its governing body to continue services for which the contract was intended.

11.4 Conflict of Interest

The Contractor shall warrant that no official or employee of the City has an interest, has been employed or retained to solicit or aid in the procuring of the resulting contract, nor that any such person will be employed in the performance of such contract without immediate divulgence of such fact to the City. Contractors submitting a proposal in response to this RFP must disclose any actual, apparent, direct, indirect, or potential conflicts of interest that may exist with respect to the Contractor or the Contractor's management or employees relative to the services to be provided to the City. Conflict of interest issues may require consultation with legal counsel. If a Contractor has no conflicts of interest, a statement to that effect must be included in the proposal. Violation of this section shall be a material breach of the contract entitling the City to any and all remedies by law or in equity.

11.5 Undue Influence

The Contractor shall warrant via an executed Proposer's Certification (**Attachment A**) that no undue influence or pressure is used against or in concert with any officer or employee of the City in connection with the award or terms of the contract that will be executed as a result of this RFP, including any method of coercion, confidential financial arrangement or financial inducement. No officer or employee of the City shall receive compensation, directly or indirectly, from the Contractor, or from any officer, employee or agent of the Contractor, in connection with the award of the contract or any work to be conducted as a result of this RFP. Violation of this section shall be a material breach of the contract entitling the City to any and all remedies by law or in equity.

11.6 Non-Collusion

Contractors submitting proposals shall warrant via an executed Proposer's Certification (**Attachment A**) that their offer is made without any previous understanding, agreement or connection with any person, firm or corporation submitting a separate proposal for the same project and is in all respects fair, without outside control, collusion, fraud or otherwise illegal action. This condition shall not apply to proposals which are submitted by firms who have partnered with others to submit a cooperative proposal that clearly identifies a primary contractor and the associated sub-consultants or sub-contractors. For construction contracts, proposers shall submit a properly completed and executed "Non-collusion Declaration" which is attached as **Attachment D**.

11.7 Indemnification & Insurance Requirements

The City's standard indemnification and insurance requirements are provided in the sample contract, included in **Volume 2 to the Contract Documents**.

11.7.1 Insurance

Insurance requirements are provided in Volume 2 of the Contract Documents – Agreement Article 11-Insurance to be provided by CONTRACTOR, only an overview is provided in Table 3, refer to the agreement for all requirements.

Table 1: Insurance Requirements

Insurance	Requirement
Commercial General Liability Major Construction Projects (Projects over $1,000,000)	$5,000,000 each occurrence $10,000,000 aggregate Personal Injury: $5,000,000 each occurrence $10,000,000 aggregate
Comprehensive Automobile Liability For bodily injury (including death) and property damage which provides	Total limits of not less than One Million Dollars ($1,000,000) combined single limits per accident, applicable to all owned, non-owned, and hired vehicles.
Statutory Workers' Compensation and Employer's Liability Insurance	Limits of not less than One Million Dollars ($1,000,000) per occurrence.
Builder's Risk/Course of Construction Insurance	All Risk type of builder's Risk Insurance of the type covering one hundred percent (100%) of the value of the Work performed under this Contract

All costs of complying with the insurance requirements shall be as included in Contractor's Proposal pricing (GMP). The selected Contractor shall provide complete and valid insurance certificates within ten (10) days of the City's written request. Failure to provide the documents within the time stated may result in rejection of the Contractor's proposal. Alterations to the terms and conditions shall not be allowed.

11.7.2 Bonds

The Contract's Article 11.12-Payment, Performance and Warranty Bonds contains requirements for Performance, Labor & Materials and Warranty Bonds. The successful Contractor will be required to provide a Faithfull Performance Bond and a Labor and Materials Bond using the City's forms. The successful contractor will also be required to execute Warranty Bond issued by a corporate surety, acceptable to City. The Payment Bond and Labor and Material Bond shall be for not less than one hundred percent (100%) of the Total GMP; and the Warranty Bond shall be not less than ten percent (10%) of the Agreement cost. Pursuant to California Code of Civil Procedures Section 995.311, the City will verify all bonds for this Project are issued and executed by a California admitted

surety. A summary of the Bonding requirements is presented in Table 4-Bonding Requirements below.

Table 2: Bonding Requirements

Bond Type	Requirement
Faithful Performance	100% of the Total Contract Price
Labor and Materials	100% of the Total Contract Price

All costs of complying with the insurance requirements shall be as included in Contractor's pricing. The selected Contractor shall provide complete and valid insurance certificates within ten (10) days of the City's written request. Failure to provide the documents within the time stated may result in rejection of the Contractor's proposal. Alterations to the terms and conditions shall not be allowed.

11.8 Cost of Preparing Proposal

The City will not pay any costs incurred by any Contractor in preparing or submitting a proposal in response to this RFP.

11.9 Proposals Property of the City

All documents or materials submitted with or in conjunction with any proposal, including but not limited to electronic files, shall become the property of the City after the proposal submission deadline. No submission documents will be returned. During negotiations, the scope of services may be amended by the City and negotiated based upon ideas provided by other proposers or any other source.

11.10 Proposals are Public Records

All proposals submitted are subject to the public disclosure requirements under the laws of the State of California, unless the City identifies and exercises a right or obligation to exempt any record from public disclosure. However, proposals will not be disclosed until negotiations are complete and a recommendation for selection and award is made.

11.11 Protests

A. Protest Requirements

Any Proposer who is aggrieved in connection with the solicitation or award of a contract may file a protest with the City Clerk's office. The protest must be received in writing by the City Clerk's office within seven (7) calendar days after such aggrieved proposer 1) knows or should have known of the facts giving rise thereto or 2) the date of the notice of intent to award, whichever is sooner. In no event shall a protest be allowed after an award has been made by City Council. If the seventh calendar day falls on a weekend or City holiday, the protesting party may submit the protest prior to close of business on the first

business day following such weekend or holiday. Failure to submit a timely protest shall bar consideration of a protest.

B. Grounds for Protest

1. The alleged grounds for protest shall be limited to the following: (a) computation errors, (b) violations of local, state, or federal law, or (c) the City failed to follow the procedures specified in this Policy.

2. The protest shall state all grounds claimed for the protest and include supporting documentation. Failure to clearly state the grounds for the protest and provide supporting documentation shall be deemed a waiver of all protest rights.

C. Administrative Review

Upon receipt of the protest and after determining the protest was properly filed, the Department Director shall provide a copy of the protest to other proposers who might become aggrieved as a result of the protest and issue a written decision within fourteen (14) calendar days after receipt of the protest. The protest will be evaluated by the Department Director, the City Attorney's Office, and the Purchasing Manager. The protesting proposer shall promptly provide any information requested by City staff as part of such investigation. The decision shall either deny or uphold the protest and include reasons for the decision. The written decision shall be final.

D. Stay of Action During a Protest

In the event a protest is filed under Section 11.11, the City shall not proceed further with the award of the contract until the protest is resolved, unless:

1. The Director of Environmental Utilities makes a determination that the award of the contract without delay is necessary to protect a substantial interest of the City, or

2. The City decides to reject all proposals and issue a new RFP.

11.12 Rejection of RFP

The City reserves the right to reject any or all proposals, to waive defects or irregularities in any proposal or in the RFP process, and to offer to negotiate or contract with any Contractor in response to any RFP. This RFP does not constitute any form of offer to contract.

11.13 Multiple Award

The City reserves the right to award the contract to multiple contractors when applicable.

11.14 Increasing/Decreasing Portions of RFP

The City reserves the right to increase or decrease the amount of any portions of the work represented in the RFP and/or to omit portions of said work, as may be deemed necessary by the City.

11.15 Rejection as Non-Responsive

Proposals may be rejected as non-responsive at the City's sole discretion if there are alterations of form, the proposal is conditional or the proposal is incomplete.

11.16 Modifying RFP

The City reserves the right to modify any portion of, or to postpone or cancel this RFP at any time, and/or reject any and all submissions without indicating any reason.

11.17 No Proposal Accepted

If no proposal is accepted, the City may elect to have the services performed in some other manner.

11.18 Rejecting Team Members, Firms or Sub-contractors

The City reserves the right to reject individual team members, firms, sub-consultants or sub-contractors and request substitution prior to contract award.

11.19 Local Business, Small Business, Minority and Women Owned Business

Although no preferences will be given, the City highly encourages submission of proposals by local businesses, by small business owners, and by minority and women-owned businesses.

11.20 Withdrawal of Proposals

Proposals may be withdrawn prior to the date and time specified for proposal submission with a formal written notice by an authorized representative of the proposer delivered to the City Clerk's Office. Proposals submitted will become property of the City after the proposal submission deadline.

Proposals may not be withdrawn for ninety (90) days after the due date unless the City enters into a contract with another Contractor prior to the expiration of that ninety (90) day period.

11.21 Electronic Transmittals

No electronic mail, telephone or facsimile proposals will be accepted. If a photocopy is submitted, the proposal must be signed in ink.

11.22 Proposal Postponement and Amendment

The City reserves the right to revise or amend the RFP or specifications up to the time set for opening of the proposals. Such revisions and amendments, if any, shall be announced by amendments to this RFP through the City's web site. Copies of such amendments shall be furnished to all prospective proposers. Prospective proposers are defined as those proposers who have registered and are on the City's RFP list for this material/service. If revisions and amendments require changes in quantities, prices or scope of services, the date set for opening of the proposals may be postponed by such number of days as in the opinion of the City shall enable proposers to revise their

proposals. Proposals which fail to acknowledge a substantive addendum to the RFP, as determined by the City Attorney's Office, on the City supplied addendum form will be rejected as non-responsive. Any revisions or amendments to the RFP will become incorporated into any contract awarded pursuant to the RFP.

11.23 Proprietary Information

Proposers submitting a proposal in response to this RFP must provide a statement that nothing contained in the submitted proposal will be proprietary. However, if a proposer desires to claim a privilege against public disclosure for a trade secret or other proprietary information, such information must be submitted with the proposal in a separate envelope marked "confidential." The City Attorney's Office will determine if the information is in fact proprietary, based on state and federal law. Note that under California law, a price proposal to a public agency is not a trade secret. The Contractor shall defend, indemnify and hold harmless the City regarding any claim by any third party for the public disclosure of the "confidential" portion of the proposal.

11.24 Right to Request Additional Information

During the evaluation process, the City reserves the right, where it may serve the best interests of the City, to request additional information and clarifications from proposers. Such information will be requested in writing to the specific proposer. This information will become a part of the original proposal submitted by the specific proposer and will be used by the City in evaluating the proposal and will not be shared with other proposers during the evaluation and negotiation process.

11.25 Modification of Proposals

Modification of a proposal already received will be considered only if the modification is received prior to the deadline date for receiving proposals. All modifications shall be made in writing, executed, and submitted in the same form and manner as the original proposal.

11.26 Examination of Contract Documents

Each proposer shall thoroughly examine and be familiar with the terms of this RFP, the sample contract attached (Volume 2), Technical Specifications (Volume 3), Drawings (Volume 4), legal and procedural documents, general conditions, specifications, and addenda (if any), which will constitute the contract documents. Submission of a proposal shall constitute acknowledgement, upon which the City may rely, that the proposer has thoroughly examined and is familiar with the contract documents. Failure or neglect of a proposer to receive or examine any of the contract documents shall in no way relieve the proposer of any obligation with respect to their proposal or to the contract. No claim for additional compensation will be allowed which is based upon lack of knowledge of any contract document.

11.27 Non-Discrimination

The City maintains various policies related to contractual service providers. Among these is an anti-discrimination policy, which requires that the City's contractors not

discriminate in hiring on the basis of gender, race, religion, sexual orientation, medical condition, and all other categories protected by law. Upon acceptance of a proposal, the City may request that the selected Contractor sign a statement affirming its compliance with this policy.

11.28 No Assignment or Modifications

This awarded contract is to be binding on the successors and assigns of the parties hereto. The services called for herein are deemed unique and except as provided herein Contractor shall not assign, transfer, subcontract, or otherwise substitute its interest in the agreement or any of its obligations herein without the written consent of the City. The Agreement may be modified only by a written amendment signed by the parties.

11.29 Bankruptcy

Upon filing for any bankruptcy or insolvency proceeding whether voluntary or involuntary, or upon the appointment of a receiver, trustee, or assignee for the benefit of creditors, the Contractor must notify the City immediately. Upon learning the actions herein identified, the City reserves the right, at its sole discretion, to cancel the contract.

12.0 LIST OF ATTACHMENTS

Attachment A PROPOSER'S CERTIFICATION

Attachment B LICENSES and DIR REGISTRATION

Attachment C SUBCONTRACTORS LIST

Attachment D NON-COLLUSION DECLARATION

Attachment E ASSEMBLY BILL NO. 626

Attachment F PROPRIETARY INFORMATION STATEMENT

Attachment G IRAN CONTRACTING ACT DISCLOSURE FORM

Attachment H GUARANTEED MAXIMUM PRICE, COST OF WORK AND FEE

Attachment I PROPOSAL ENVELOPE LABEL

Attachment A – PROPOSER'S CERTIFICATION

I hereby propose to furnish the goods or services specified in the Request for Proposals ("RFP"). I agree that my proposal will remain firm for a period of up to ninety (90) days in order to allow the City of Roseville ("City") adequate time to evaluate the qualifications submitted.

I have carefully examined the Request for Proposals and any other documents accompanying or made a part of this RFP. The information contained in this proposal is true and correct to the best of my knowledge and is signed under penalty of perjury under the laws of the State of California. I further certify that I am duly authorized to submit this proposal on behalf of the firm as its authorized agent and that the firm is ready, willing and able to perform if awarded the contract.

I further certify that this proposal is made without prior understanding, agreement, connection, discussion, or conspiracy with any other person, firm or corporation submitting a proposal for the same product or service; that this proposal is fair and made without outside control, collusion, fraud or illegal action; that no officer, employee or agent of the City or any other proposer is financially interested in said proposal; that no undue influence or pressure was used against or in concert with any officer, employee or agent of the City in connection with the award or terms of the contract that will be executed as a result of this RFP; and that the undersigned executed this Proposer's Certification with full knowledge and understanding of the matters therein contained and was duly authorized to do so.

_____
NAME OF BUSINESS

_____
SIGNATURE

_____
NAME & TITLE, TYPED OR PRINTED

_____
MAILING ADDRESS

_____
TELEPHONE NUMBER

_____
EMAIL

Type of Organization:

_____ Sole Proprietorship
_____ Corporation _____ State of Incorporation
_____ Partnership
_____ Limited Liability Company

The undersigned Proposer acknowledges receipt, understanding, and full consideration of the following Addenda:

Table A.1 – Acknowledgement of Addenda

Addendum Number	**Addendum Date**	**Signature of Proposer**

Table A.2 - Certification if proposing firm is a **Sole Proprietorship:**

Name (typed or printed):			
By:			
		(Individual's signature)	
Doing business as:			
Business Address:			
Phone Number:	( )	FAX Number:	( )
Email Address of Authorized Representative:			

Table A.3 - Certification if proposing firm is a **Partnership**

Partnership Name (typed or printed):			
By:			
	(Signature of general partner- attach evidence of authority to sign)		
Name (typed or printed):			
Business Address:			
Phone Number:	( )	FAX Number:	( )
Email Address of Authorized Representative:			

Table A.4 - Certification if proposing firm is a **Corporation:**

Corporation Name (typed or printed):	
State of Incorporation:	
By:	
	(Signature - attach evidence of authority to sign – Board Resolution)
Name (typed or printed):	
Title:	
(CORPORATE SEAL)	

Attest:			
		(Signature of Corporate Secretary)	
Name:			
Date of Qualification to do business:			
Business Address:			
Phone Number:	( )	FAX Number:	( )
Email Address of Authorized Representative:			

***If person executing on behalf of a Corporation is not the President or Vice President, evidence of authority to sign on behalf of Corporation must be attached.**

Table A.5 - Certification if proposing firm is a **Limited Liability Company:**

Limited Liability Company Name:			
By:			
	(Signature of Managing Member - attach evidence of authority to bind the LLC under the LLC's articles of organization)		
Name (typed or printed):			
Title:			
Business Address:			
Phone Number:	( )	FAX Number:	( )
Email Address of Authorized Representative:			

****END OF ATTACHMENT A****

Attachment B – LICENSES AND DIR REGISTRATION

List the licenses held by your company and/or employees. The following representations are made under penalty of perjury.

A. CONTRACTOR'S LICENSES

CA State License No.	Name on License	Class/Type	Expiration Date

B. CITY OF ROSEVILLE BUSINESS LICENSE

Contractors are not required to have a City of Roseville Business license to submit a proposal; however, it will be required before executing a contract. Contractors may apply for a business license at: https://www.roseville.ca.us/government/departments/finance/licensing/business

Do you currently have a City of Roseville Business License? _____Yes _____No

License No._____

C. DEPARTMENT OF INDUSTRIAL RELATIONS CONTRACTOR REGISTRATION

***For Public Works Projects (SB854)**: Contractors must register with the Department of Industrial Relations (DIR) pursuant to Labor Code section 1725.5. The Contractor shall provide proof of current registration with the Department of Industrial Relations for both itself and all listed subcontractors with their proposal. Contractors may register at: http://www.dir.ca.gov/public-works/publicworks.html

DIR contractor registration number and expiration date:

No.: _____ Expiration Date: _____

****END OF ATTACHMENT B****

Attachment C – SUBCONTRACTOR LIST

In accordance with the Public Contract Code, Part 1, Chapter 4, Subletting and Subcontracting, Contractors must list the name and business address of each subcontractor who will perform work or labor or render service to the prime contractor in or about the construction of the work or improvement, or who will specially fabricate and install a portion of the work or improvement according to detailed drawings contained in the plans and specifications, in an amount in excess of one-half of one percent (0.5%) of the prime contractor's total bid, or in the case of bids or offers for the construction of streets and highways, including bridges, in excess of one-half of one percent (0.5%) of the prime contractor's total bid or ten thousand dollars ($10,000) whichever is greater. If subcontractors will not be used, proposer must write "NONE".

Company Name:	
Principal:	
Address:	
Phone:	
Job Capacity:	
Percentage of Total Work:	
CSLB Contractor License Number:	
DIR Registration Number, and Expiration Date:	

Company Name:	
Principal:	
Address:	
Phone:	
Job Capacity:	
Percentage of Total Work:	
CSLB Contractor License Number:	
DIR Registration Number, and Expiration Date:	

Company Name:	
Principal:	
Address:	
Phone:	
Job Capacity:	
Percentage of Total Work:	
CSLB Contractor License Number:	
DIR Registration Number, and Expiration Date:	

Company Name:	
Principal:	
Address:	
Phone:	
Job Capacity:	
Percentage of Total Work:	
CSLB Contractor License Number:	
DIR Registration Number, and Expiration Date:	

Reproduce this page for additional Subcontractors.

****END OF ATTACHMENT C****

Attachment D – NONCOLLUSION DECLARATION

NONCOLLUSION DECLARATION TO BE EXECUTED BY BIDDER AND SUBMITTED WITH PROPOSAL

The undersigned declares:

I am the _____ of _____, the party making the foregoing Proposal.

The Proposal is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The Proposal is genuine and not collusive or sham. The Proposer has not directly or indirectly induced or solicited any other Proposer to put in a false or sham Proposal. The Proposer has not directly or indirectly colluded, conspired, connived, or agreed with any Proposer or anyone else to put in a sham Proposal, or to refrain from proposing. The Proposer has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the Proposal price of the Proposer or any other Proposer, or to fix any overhead, profit, or cost element of the Proposer price, or of that of any other Proposer. All statements contained in the Proposal are true. The Proposer has not, directly or indirectly, submitted his or her Proposal price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham Proposal, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a Proposer that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the Proposer.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on _____ [date], at _____ [city], _____ [state].

_____

(Signature of Declarant)

****END OF ATTACHMENT D****

Attachment E – ASSEMBLY BILL NO. 626

CHAPTER 810

An act to add and repeal Section 9204 of the Public Contract Code, relating to public contracts.

[Approved by Governor September 29, 2016. Filed with Secretary of State September 29, 2016.]

LEGISLATIVE COUNSEL'S DIGEST

AB 626, Chiu. Public contracts: claim resolution.

Existing law prescribes various requirements regarding the formation, content, and enforcement of state and local public contracts. Existing law applicable to state public contracts generally requires that the resolution of claims related to those contracts be subject to arbitration. Existing law applicable to local agency contracts prescribes a process for the resolution of claims related to those contracts of $375,000 or less.

This bill would establish, for contracts entered into on or after January 1, 2017, a claim resolution process applicable to any claim by a contractor in connection with a public works project. The bill would define a claim as a separate demand by the contractor for one or more of the following: a time extension for relief from damages or penalties for delay, payment of money or damages arising from work done pursuant to the contract for a public work, or payment of an amount disputed by the public entity, as specified.

This bill would require a public entity, defined to exclude certain state entities, upon receipt of a claim sent by registered or certified mail, to review it and, within 45 days, provide a written statement identifying the disputed and undisputed portions of the claim. The bill would authorize the 45-day period to be extended by mutual agreement. The bill would require any payment due on an undisputed portion of the claim to be processed within 60 days, as specified. The bill would require that the claim be deemed rejected in its entirety if the public entity fails to issue the written statement.

This bill would authorize, if the claimant disputes the public entity's written response of if the public entity fails to respond to a claim within the time prescribed, the claimant to demand to meet and confer for settlement of the issues in dispute. The bill would require any disputed portion of the claim that remains in dispute after the meet and confer conference to be subject to nonbinding mediation, as specified. The bill would provide that unpaid claim amounts accrue interest at 7% per annum. The bill would prescribe a procedure by which a subcontractor or lower tier contractor may make a claim through the contractor.

This bill would require the text of these provisions, or a summary, to be set forth in the plans or specifications for any public work which may give rise to a claim. The bill would specify that a waiver of these rights is void and contrary to public policy, except as specified. The bill would also specify that it does not impose liability on a public entity that makes loans or grants available through a competitive application process, for the failure of an awardee to meet its contractual obligations.

By increasing the duties of local agencies and officials, this bill would impose a state-mandated local program.

This bill would, on January 1, 2020, repeal the provision establishing the claim resolution process.

This bill would specify that these provisions constitute a matter of statewide concern.

The California Constitution requires the state to reimburse local agencies and school districts for certain costs mandated by the state. Statutory provisions establish procedures for making that reimbursement.

This bill would provide that, if the Commission on State Mandates determines that the bill contains costs mandated by the state, reimbursement for those costs shall be made pursuant to these statutory provisions.

The people of the State of California do enact as follows:

SECTION 1. Section 9204 is added to the Public Contract Code, to read: 9204. (a) The Legislature finds and declares that it is in the best interests of the state and its citizens to ensure that all construction business performed on a public works project in the state that is complete and not in dispute is paid in full and in a timely manner.

(b) Notwithstanding any other law, including, but not limited to, Article 7.1 (commencing with Section 10240) of Chapter 1 of Part 2, Chapter 10 (commencing with Section 19100) of Part 2, and Article 1.5 (commencing with Section 20104) of Chapter 1 of Part 3, this section shall apply to any claim by a contractor in connection with a public works project.

(c) For purposes of this section:

(1) "Claim" means a separate demand by a contractor sent by registered mail or certified mail with return receipt requested, for one or more of the following:

(A) A time extension, including, without limitation, for relief from damages or penalties for delay assessed by a public entity under a contract for a public works project.

(B) Payment by the public entity of money or damages arising from work done by, or on behalf of, the contractor pursuant to the contract for a public works project and payment for which is not otherwise expressly provided or to which the claimant is not otherwise entitled.

(C) Payment of an amount that is disputed by the public entity.

(2) "Contractor" means any type of contractor within the meaning of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code who has entered into a direct contract with a public entity for a public works project.

(3) (A) "Public entity" means, without limitation, except as provided in subparagraph (B), a state agency, department, office, division, bureau, board, or commission, the California State University, the University of California, a city, including a charter city, county, including a charter county, city and county, including a charter city and county, district, special district, public authority, political subdivision, public corporation, or nonprofit transit corporation wholly owned by a public agency and formed to carry out the purposes of the public agency.

(B) "Public entity" shall not include the following:

(i) The Department of Water Resources as to any project under the jurisdiction of that department.

(ii) The Department of Transportation as to any project under the jurisdiction of that department.

(iii) The Department of Parks and Recreation as to any project under the jurisdiction of that department.

(iv) The Department of Corrections and Rehabilitation with respect to any project under its jurisdiction pursuant to Chapter 11 (commencing with Section 7000) of Title 7 of Part 3 of the Penal Code.

(v) The Military Department as to any project under the jurisdiction of that department.

(vi) The Department of General Services as to all other projects.

(vii) The High-Speed Rail Authority.

(4) "Public works project" means the erection, construction, alteration, repair, or improvement of any public structure, building, road, or other public improvement of any kind.

(5) "Subcontractor" means any type of contractor within the meaning of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code who either is in direct contract with a contractor or is a lower tier subcontractor.

(d) (1) (A) Upon receipt of a claim pursuant to this section, the public entity to which the claim applies shall conduct a reasonable review of the claim and, within a period not to exceed 45 days, shall provide the claimant a written statement identifying what portion of the claim is disputed and what portion is undisputed. Upon receipt of a claim, a public entity and a contractor may, by mutual agreement, extend the time period provided in this subdivision.

(B) The claimant shall furnish reasonable documentation to support the claim.

(C) If the public entity needs approval from its governing body to provide the claimant a written statement identifying the disputed portion and the undisputed portion of the claim, and the governing body does not meet within the 45 days or within the mutually agreed to extension of time following receipt of a claim sent by registered mail or certified mail, return receipt requested, the public entity shall have up to three days following the next duly publicly noticed meeting of the governing body after the 45-day period, or extension, expires to provide the claimant a written statement identifying the disputed portion and the undisputed portion.

(D) Any payment due on an undisputed portion of the claim shall be processed and made within 60 days after the public entity issues its written statement. If the public entity fails to issue a written statement, paragraph (3) shall apply.

(2) (A) If the claimant disputes the public entity's written response, or if the public entity fails to respond to a claim issued pursuant to this section within the time prescribed, the claimant may demand in writing an informal conference to meet and confer for settlement of the issues in dispute. Upon receipt of a demand in writing sent by registered mail or certified mail, return receipt requested, the public entity shall schedule a meet and confer conference within 30 days for settlement of the dispute.

(B) Within 10 business days following the conclusion of the meet and confer conference, if the claim or any portion of the claim remains in dispute, the public entity shall provide the claimant a written statement identifying the portion of the claim that remains in dispute and the portion that is undisputed. Any payment due on an undisputed portion of the claim shall be processed and made within 60 days after the public entity issues its written statement. Any disputed portion of the claim, as identified by the contractor in writing, shall be submitted to nonbinding mediation, with the public entity and the claimant sharing the associated costs equally. The public entity and claimant shall mutually agree to a mediator within

10 business days after the disputed portion of the claim has been identified in writing. If the parties cannot agree upon a mediator, each party shall select a mediator and those mediators shall select a qualified neutral third partyto mediate with regard to the disputed portion of the claim. Each party shallbear the fees and costs charged by its respective mediator in connectionwith the selection of the neutral mediator. If mediation is unsuccessful, the parts of the claim remaining in dispute shall be subject to applicable procedures outside this section.

(C) For purposes of this section, mediation includes any nonbinding process, including, but not limited to, neutral evaluation or a dispute review board , in which an independent third party or board assists the parties in dispute resolution through negotiation or by issuance of an evaluation. Any mediation utilized shall conform to the timeframes in this section.

(D) Unless otherwise agreed to by the public entity and the contractor in writing, the mediation conducted pursuant to this section shall excuse any further obligation under Section 20104.4 to mediate after litigation has been commenced.

(E) This section does not preclude a public entity from requiring arbitration of disputes under private arbitration or the Public Works Contract Arbitration Program, if mediation under this section does not resolve the parties' dispute.

(3) Failure by the public entity to respond to a claim from a contractor within the time periods described in this subdivision or to otherwise meet the time requirements of this section shall result in the claim being deemed rejected in its entirety. A claim that is denied by reason of the public entity's failure to have responded to a claim, or its failure to otherwise meet the time requirements of this section, shall not constitute an adverse finding with regard to the merits of the claim or the responsibility or qualifications of the claimant.

(4) Amounts not paid in a timely manner as required by this section shall bear interest at 7 percent per annum.

(5) If a subcontractor or a lower tier subcontractor lacks legal standing to assert a claim against a public entity because privity of contract does not exist, the contractor may present to the public entity a claim on behalf of a subcontractor or lower tier subcontractor. A subcontractor may request in writing, either on his or her own behalf or on behalf of a lower tier subcontractor, that the contractor present a claim for work which was performed by the subcontractor or by a lower tier subcontractor on behalf of the subcontractor. The subcontractor requesting that the claim be presented to the public entity shall furnish reasonable documentation to support the claim. Within 45 days of receipt of this written request, the contractor shall notify the subcontractor in writing as to whether the contractor presented the claim to the public entity and, if the original contractor did not present the claim, provide the subcontractor with a statement of the reasons for not having done so.

(e) The text of this section or a summary of it shall be set forth in the plans or specifications for any public works project that may give rise to a claim under this section.

(f) A waiver of the rights granted by this section is void and contrary to public policy, provided, however, that (1) upon receipt of a claim, the parties may mutually agree to waive, in writing, mediation and proceed directly to the commencement of a civil action or binding arbitration, as applicable; and (2) a public entity may prescribe reasonable change order, claim, and dispute resolution procedures and requirements in addition to the provisions of this section, so long as the contractual provisions do not conflict with or otherwise impair the timeframes and procedures set forth in this section.

(g) This section applies to contracts entered into on or after January 1, 2017.

(h) Nothing in this section shall impose liability upon a public entity that makes loans or grants available through a competitive application process, for the failure of an awardee to meet its contractual obligations.

(i) This section shall remain in effect only until January 1, 2020, and as of that date is repealed, unless a later enacted statute, that is enacted before January 1, 2020, deletes or extends that date.

SEC. 2. The Legislature finds and declares that it is of statewide concern to require a charter city, charter county, or charter city and county to follow a prescribed claims resolution process to ensure there are uniform and equitable procurement practices.

SEC. 3. If the Commission on State Mandates determines that this act contains costs mandated by the state, reimbursement to local agencies and school districts for those costs shall be made pursuant to Part 7 (commencing with Section 17500) of Division 4 of Title 2 of the Government Code.

****END OF ATTACHMENT E****

Attachment F – PROPRIETARY INFORMATION STATEMENT

Complete and sign one of the following statements.

No Proprietary Information

Contractor hereby certifies that nothing contained in the submitted Proposal is to be proprietary information.

_____
NAME OF BUSINESS

_____
SIGNATURE

_____
NAME & TITLE, TYPED OR PRINTED

Existence of Proprietary Information.

Contractor desires to claim a privilege against public disclosure for a trade secret or other proprietary information.

_____
NAME OF BUSINESS

_____
SIGNATURE

_____
NAME & TITLE, TYPED OR PRINTED

****END OF ATTACHMENT F***

*****

Attachment G - IRAN CONTRACTING ACT DISCLOSURE FORM

GENERAL REQUIREMENTS

Pursuant to the Iran Contract Act of 2010 (California Public Contract Code, Sections 2202-2208), Proposers are ineligible to propose on projects with a public entity for goods or services of one million dollars ($1,000,000) or more if the Proposer engages in investment activities in Iran.

Proposers must provide the below disclosure form as a mandatory submittal for all projects in excess of $1,000,000. The Iran Contracting Act Disclosure Form shall be submitted by all Proposers as a mandatory submittal.

(California Public Contract, Sections 2202-2208)

When responding to a bid or proposal or executing a contract or renewal for a City contract for goods or services of $1,000,000 or more, a vendor must either: a) certify it is **not** on the current list of persons engaged in investment activities in Iran created by the California Department of General Services ("DGS") pursuant to Public Contract Code section 2203(b) and is not a financial institution extending twenty million dollars ($20,000,000) or more in credit to another person, for 45 days or more, if that other person will use the credit to provide goods or services in the energy sector in Iran and is identified on the current list of persons engaged in investment activities in Iran created by DGS; or b) demonstrate it has been exempted from the certification requirement for that solicitation or contract pursuant to Public Contract Code Section 2203(c) or (d).

To comply with this requirement, please provide your vendor or financial institution name and complete **one** of the options on the following page. Please note: California law establishes penalties for providing false certifications, including civil penalties equal to the greater of $250,000 or twice the amount of the contract for which the false certification was made; contract termination; and three-year ineligibility to bid on contracts. (Public Contract Code section 2205.)

OPTION #1 – CERTIFICATION

I, the official named below, certify I am duly authorized to execute this certification on behalf of the vendor/financial institution identified below, and the vendor/financial institution identified below is **not** on the current list of persons engaged in investment activities in Iran created by DGS and is not a financial institution extending twenty million ($20,000,000) or more in credit to another person/vendor, for 45 days or more, if that other person/vendor will use the credit to provide goods or services in the energy sector in Iran and is identified on the current list of persons engaged in investment activities in Iran created by DGS.

Vendor Name/Financial Institution (Printed)	
By (Authorized Signature)	
Printed Name and Title of Person Signing	
Date Executed	*Executed in*

OPTION #2 – EXEMPTION

Pursuant to Public Contract Code sections 2203(c) and (d), a public entity may permit a vendor/financial institution engaged in investment activities in Iran, on a case-by-case basis, to be eligible for, or to bid on, submit a proposal for, or enters into or renews, a contract for goods and services.

If you have obtained an exemption from the certification requirement under the Iran Contracting Act, please fill out the information below, and attach documentation demonstrating the exemption approval.

Vendor Name/Financial Institution (Printed)	
By (Authorized Signature)	
Printed Name and Title of Person Signing	
Date Executed	*Executed in*

****END OF ATTACHMENT G****

Attachment H - GUARANTEED MAXIMUM PRICE, COST OF WORK AND FEE

Downtown Water Mains Replacement Project – Hillcrest Neighborhood

1.0 TOTAL PROPOSED GUARANTEED MAXIMUM PRICE (GMP)

The undersigned proposes and agrees to contract with the City to perform all of the Work for the Design Assist and Construction of the **Downtown Water Mains Replacement Project – Hillcrest Neighborhood** including subsidiary obligations as defined in the Contract, for a **Guaranteed Maximum Price ("GMP")** of _____ dollars ($_____.00), U.S. Currency.

Subject to the provisions of this Proposal and the Contract, the costs and expenses which the Contractor may include in the Cost of Work for purposes of determining that aspect of the Contractor's compensation are as set forth below. The Contractor's total compensation, including Fee and allowable mark-ups, shall not exceed the GMP.

The GMP may be adjusted by Change Order in accordance with the Agreement.

2.0 BREAKDOWN OF GUARANTEED MAXIMUM PRICE

Proposer provides the breakdown of the Contractor's GMP by major items of work as shown in **Table H.1**. The cost breakdown should sum to a total that equals the GMP given in this Attachment H Section 1.0 – Total Proposed Guaranteed Maximum Price. Contractor must include all costs required to complete the work within the scope area items listed.

Table H.1: Breakdown of Guaranteed Maximum Price

#	**Scope Area**	**Cost**
1	Design Assist: Miscellaneous Items	
2	Design-Assist: Pothole Existing Utilities	
3	Design-Assist: Geotechnical Testing	
4	Mobilization, Demobilization, Admin., Insurance, Bonds, and Permits	
5	Sheeting/Shoring/bracing per Labor Code Section 6707 (From Table H.5)	
6	Traffic Control	
7	Storm Water Pollution Prevention Plan Implementation	
8	Demolition and Abandonment	
9	Pipeline Installation (including all utility crossings)	
10	Tie-ins to existing system	
11	Fire Hydrant Assembly Installation	
12	Install 2" Blow Off	

#	Scope Area	Cost
13	Install New Service, Reconnect to Existing Meter, and Reconnect Existing Service	
14	Flush/Pressure Test/ Disinfection	
15	Pavement and Miscellaneous Restoration	
16	City's Required Allowance Items Total (From Table H.6)	
17	Proposer's Volunteer Allowance Items Total (From Table H.7)	
	Total GMP:	

3.0 Schedule of Values

Contractor will be required to submit a complete schedule of values upon selection to facilitate contract negotiation within ten (10) days of notice.

A. The Schedule of values must include a detailed breakdown of quantities and prices of work and materials required to perform and complete the contract, including Contractor Allowance Items.

B. The Schedule of Values shall provide a cost breakdown for each element detailed in the approved Construction Schedule. The total of the price breakdown must agree with the GMP. The elements listed and price breakdown shall not be front end loaded or unbalanced, shall be subject to adjustment between the ENGINEER and the CONTRACTOR, and will be used as a basis for progress payments.

C. Acceptance of the Schedule of values shall not relieve the CONTRACTOR of the responsibility of performing all the work needed to complete the project at the GMP.

Volume 2 – Agreement incorporates additional details and definitions that pertain to the Guaranteed Maximum Price, Fee, and Cost of Work.

4.0 COST OF THE WORK

The term "Cost of Work" means the sum of all costs necessarily incurred and paid by the Contractor for labor, materials, equipment, subcontractors, special services, bonds, liability, workers' compensation and errors and omissions insurance, direct job overhead expenses, taxes and other necessary expenses incurred in the performance of the work, that do not exceed the GMP.

4.1 Hourly Field Labor

The cost of hourly field craft labor for workers used in actual and direct performance of the work by the Contractor will be the sum of the following:

A. The actual wages paid plus any employer payments to, or on behalf of workers for fringe benefits including health and welfare, pension, vacation and similar purposes.

B. All payments imposed by State and Federal Laws including, but not limited to, workers' compensation insurance, and social security payments. The rates used for workers' compensation insurance shall be actual rates paid by the Contractor for each specific craft and broken down by wage rate if applicable to that craft.

C. Actual General Liability insurance burden, if applied to Contractor's payroll.

4.2 Hourly Field Craft Labor Rates Limitations

The cost of hourly field craft labor for workers used in actual and direct performance of the work by the Contractor will be limited by the following:

A. Except as otherwise may be agreed to in writing by the City, the actual wages and benefits paid for manual classifications of Contractor's on-site workers will not, in the aggregate, be greater than the current applicable wage for each classification as established by the State of California Department of Industrial Relations.

B. Specifically prohibited from the labor costs are other payroll burden factors such as small tools (as defined in Attachment H Section 4.6-Construction Equipment), bonuses of any kind and safety incentives.

C. The Hourly Field Labor Rates will remain unchanged for the duration of the Project unless changed in accordance with an Industry Master Labor Agreement, if the Contractor is signatory to any such Agreements, changes by the Department of Industrial Relations, or changes made company-wide in the Contractor's organization for a craft classification in the Project's geographic area. All changes to these hourly field labor rates must be submitted by the Contractor to the City for review and approval prior to billing the City for work performed with new hourly labor rates. Increase in labor rates is not an allowable increase in the GMP.

4.3 Contractor's Hourly Field Craft Labor Rates

A. Based on the requirements and limitations of Sections; 4.1-Hourly Field Labor, and 4.2-Hourly Field Craft Labor Rates Limitations, the undersigned Proposer provides their hourly field labor rates set forth in **Table H.2** for all labor employed by Contractor used in the performance all of the Work for the Downtown Water Mains Replacement Project – Hillcrest Neighborhood.

B. The proposer is to list the crafts and classifications, up to foreman level, they anticipate using in the performance of the work when completing this **Table H.2**. Should the contractor ultimately use a craft classification not listed in table below, the contractor will submit backup cost information for that craft classification to the city.

C. Contractor shall include the actual travel and/or subsistence costs, if any, as a separate line item under the labor cost category when submitting progress billings to the City. Except as otherwise may be agreed to in writing by the City, the actual travel and/or subsistence costs will not be more than established in an applicable Master Labor Agreement or the State of California Department of Industrial Relations.

Table H.2: Hourly Rates. Contractor Name: _____

Craft	Classification	Base Wage	Fringes Plus Vacation	P/R Tax & Insurance	Straight Time Hourly Rate	Overtime Daily /Saturday Rate (1.5 X)	Overtime Sunday /Holiday Rate (2 X)

4.4 Management and Administrative Labor

A. Wages and Salaries of Contractor's management and administrative personnel assigned to this Project to directly manage and administer the Work on-site shall be included in Table H.3. These positions may include a Principal-in-Charge or Project Director, On-site Project Manager, On-site Project Engineer, On-site Superintendents listed by trade or title, General Foremen, On-site Office Manager, Yardman/Delivery Driver and On-site Administrative Assistant. These positions will be paid in accordance with the following **Table H.3** for the entire duration of the Project and include all labor burden, overhead and profit mark-ups. The Principal-in-Charge can only charge for hours worked at the Site for this Project and can also charge for attendance of on-site Project Meetings. Any off-site Principal-in-Charge time spent on this Project shall be included in the Contractor's Fee Markups Schedule for the Project under subsection 10 below.

B. The Contractor is allowed to charge up to a maximum of fifty (50) hours per week for each full-time assigned supervisory and administrative personnel even if an employee works more than fifty (50) hours in a week. The Contractor can only charge for supervisory and administrative hours if they also pay those same hours to the employee that worked up to fifty (50) hours in any given week. The Contractor is not allowed to charge for any supervisory and administrative personnel hours not paid to any employee.

Other company personnel such as Corporate Officers and Division/Area Managers (unless either are designated as the Principle-in-Charge), Quality Control Managers, Safety Officers, Project Schedulers, Project Coordinators, Estimators, Business Supervisors and Accountants are not allowed to charge any hours to the Project. The Proposer should include the anticipated cost of such personnel in the Contractor's Fee Schedule for the Project under the Contractor's Fee Markups Subsection 10 below.

C. Based on the above requirements for Management and Administrative Labor, the undersigned Proposer proposes the rates set forth in **Table H.3** for all Management and Administrative labor employed by Contractor used in the performance all of the Work for the Downtown Water Mains Replacement Project - Hillcrest Neighborhood.

Table H.3: On-Site Management and Administrative Labor Rates

Management and Administrative Position	Hourly Rate
	$
	$
	$
	$

4.5 Materials

The cost of all materials, including all factory testing, freight and delivery costs of materials, used in performing the work will be the cost to the Contractor from the supplier thereof. All discounts for early payment shall accrue to the Contractor unless the City's payment to Contractor is paid to Contractor before discount payment is due in which case discount savings will be fully credited to the City on next progress billing. All rebates and all returns from the sale of surplus materials shall be credited to the Cost of the Work. Any rebates from future use of re-usable materials, such as concrete forming materials, shall be negotiated between the Contractor and City as materials are evaluated for possible Contractor re-use on other projects.

4.6 Construction Equipment

A. The undersigned Proposer proposes the initial Contractor Owned Equipment Rates set forth in **Table H.4** for all Contractor Owned Equipment used in the performance all of the Work for the Downtown Water Mains Replacement Project - Hillcrest Neighborhood. The rates found in this table for equipment owned by the Contractor will, in all cases, be understood to cover all fuel, supplies, repairs, maintenance, insurance, ownership, and incidental costs and no further allowances will be made for those items, unless specifically approved in writing by the City.

B. Equipment owned by Contractor will only be paid for the actual time equipment is used in performing work and will be rounded to the closest full hour if paid by an hourly rate.

C. Compensation for idle time of equipment through delays caused by the City will be made consistent with Article 9-Changes in the Work in the Design-Assist Agreement, provided as Volume 2 to the Contract Documents; however, that the Owned Equipment Rates set forth below in **Table H.4** will apply.

D. All changes to these equipment rates must be submitted by the Contractor to the City for review and approval prior to billing the City for work performed with new hourly labor rates. Approved changes to equipment rates are not an allowable increase in the GMP.

E. The Proposer is to list the contractor owned construction equipment they anticipate using in the performance of the work when completing this table. Should the contractor ultimately use equipment not listed in table below, the contractor will submit backup cost information for that equipment item to the City for approval.

F. Equipment not owned by Contractor which is rented by Contractor and used in performing work will be paid by the City based on actual invoiced cost to Contractor, plus actual fuel/lube costs, provided the rental rate is not in excess of rental rates established by distributors or equipment rental companies in the local area. Owner-operated equipment will also be paid by the City based on actual invoiced cost to Contractor provided the City does not deem any charges excessive. All transportation costs to move equipment on and off the Work will be paid by the City up to a maximum of four (4) hours total travel time each way.

G. For equipment with a value less than $500.00: The Contractor will be paid an amount of three percent (3%) of total hourly field labor costs as defined in paragraph 4.3-Contractor's Hourly Field Craft Labor Rates above to cover the cost of small tools and safety supplies for work directly performed at the Site.

Table H.4: Contractor Owned Equipment. Contractor Name: _____

Equipment Description	Hourly Rate	Daily Rate

Attach additional sheets as needed.

4.7 Subcontractors and Sub Tier Subcontractors

The Contractor will be paid for all work performed by a subcontractor at the actual invoiced amount. Should a Subcontractor be required to perform extra work caused by a contract change order, the subcontractor will be allowed a mark-up as provided for in Volume 2 of the Contract Documents - Agreement..

4.8 Bonds and Insurance

The Contractor will be paid the actual cost for the 100% payment bond and 100% performance bond, as well as the cost of all insurance costs required for the Work (such costs are deemed a Cost of Work and are therefore contained within the GMP). Additional details regarding requirements for Bonds and

Insurance are included in Volume 2 of the Contract Documents – Agreement Article 11 – Insurance and Bonds; Indemnification.

4.9 Direct Job Overhead Expenses

The Contractor will be paid for the actual cost of job overhead expenses which may include such expenses as office trailers, storage vans, temporary fencing/security, toilets, dumpsters, waste removal, water, utility power, jobsite landline telephone costs, jobsite internet provider costs, reasonable room and board subsistence for employees who live farther than 40 miles from the Work Site or as required by California prevailing wage laws, copy machine, water cooler and any office furniture required for the Work needs, including mobilization and demobilization of same. There will be no warranty reserve.

4.10 Taxes

The Contractor acknowledges it will be liable for all sales, use, gross receipts or other taxes, tariffs or duties related to the Work and that these taxes and tariffs are included in the GMP. All invoices to the City will include the applicable taxes and tariffs that are the Contractor's responsibility and will not be shown as a separate line item on the Contractor's invoice.

5.0 CALIFORNIA LABOR CODE SECTION 6707

Pursuant to the provisions of California Labor Code Section 6707, each Proposal submitted in response to this RFP shall contain, as a separate cost item, adequate sheeting, shoring, and bracing, or equivalent method, for the protection of life or limb in trenches and open excavation, exceeding five (5) feet, which shall conform to applicable safety orders. By entering an amount for this cost item below, the Proposer warrants that its action does not convey tort liability to the City, the Engineer, the Construction Manager, the Funding Agencies and their respective officers, employees, agents, and subconsultants.

Table H.5: Total Amount for Worker Protection for CA Labor Code Section 6707

Protection in trenches and Open Excavations - Description	Total Cost
	$

6.0 SPECIAL SERVICES

Special work or services are defined as that work not included in this agreement and characterized by extraordinary complexity, sophistication, or innovation or a combination of the foregoing attributes which are unique to the construction industry. These special services may include such services as registered land surveyor, licensed geotechnical engineer, licensed structural engineer, special testing or laboratory work. The Contractor will be paid for special services based on actual invoiced cost, provided the City does not determine any special services costs to be excessive.

7.0 CITY REEQUIRED ALLOWANCES

The City is allowed to propose allowances for minor portions of the Work. The following City's cost allowances and allowance amounts must be included in the GMP:

Table H.6: City's Required Cost Allowances

Item#	Allowance Description	Allowance Amount
1	**Additional Potholing –** This includes all materials, labor, and equipment associated with potholes above and beyond the number required to identify existing utility crossings as shown on the plans. An estimated 730 potholes are required per the current alignment to verify parallel utility separations Contractor should include an additional 50 pothole locations for this allowance amount. Contractor must include all mobilization and demobilization costs associated with potholing at separate times. Assume a group of 10 potholes to be completed during each mobilization/demobilization.	**$**
2	**Additional Utility Crossings and Parallel DDW sections** – This includes materials, labor, and equipment associated with pipe crossing under a utility not shown on the plans and additional restrained pipe associated with a parallel DDW location not identified on the plans. Contractor should assume an additional five (5) utility crossings at a depth of 5-7 feet and an additional 300-feet of restrained pipe at minimum depth.	**$**
3	**Additional Pavement Restoration** – This includes materials, labor, and equipment associated with pavement restoration beyond the limits shown on the plans and required by the City Standards. All pavement restoration must be approved by the City in advance. This item will not be used for additional restoration required due to Contractor errors and lack of protection or care. Contractor should assume 20,000 square feet additional pavement restoration for this allowance.	**$**
4	**Excessive Groundwater Dewatering** – This includes materials, labor, and equipment associated with removal and disposal of excessive groundwater. Contractor should assume dewatering operations may be necessary for installation of pipelines along Colnar Street and Melrose Avenue for this allowance.	**$**
	Total of City's Required Cost Allowances:	**$**

7.0 PROPOSER'S VOLUNTARY COST ALLOWANCES

The Proposer is allowed to propose allowances for minor portions of the Work. Proposers are limited to a maximum of three (3) proposed allowances and the total amount for all proposed allowances cannot exceed One Hundred Thousand Dollars ($100,000.00).

Each proposed allowance description should be well-defined. There are no scoring points assigned to any proposed allowances, but they may be discussed during the final negotiations with the highest ranked Proposer. Proposers are not required to propose any voluntary allowance item. Allowances shall not be considered for compensation as proposed shared savings as defined in Section 8.0 of this Attachment H.

The following Proposer's cost allowances and allowance amounts are included in the GMP:

Table H-6: Proposer's Voluntary Cost Allowances

Item#	Allowance Description	Allowance Amount
1		**$**
2		**$**
3		**$**
	Total of Allowances:	**$**

8.0 PROPOSED SHARED SAVINGS

In the event the final Cost of Work, plus the Proposed Total Fee Mark-up for General Overhead and Profit, is less than the GMP, as adjusted by the Change Orders, the undersigned Proposer proposes a sharing of the savings as follows.

_____% of the savings to the City

_____% of the savings to the Contractor

Percent of Savings to the contractor must be a minimum of 20% plus the Total Fee Markup percentage for General Overhead and Profit as shown in the Section 1 of this Attachment H.

"GMP" Savings shall mean the positive difference, if any, when the actual Total Cost of the Work and Fee is subtracted from the GMP; provided, however, that unused Allowance monies, if any, shall not be subject to shared savings.

Should there be savings shared, City will pay the Contractor its share of the savings at the same time as the final retention payment.

9.0 ITEMS NOT INCLUDED IN THE COST OF WORK:

A. Salaries and other compensation of Contractor's personnel stationed at Contractor's principal office or offices other than the Site, except as specifically provided in this Attachment H Section 4.4 – Management and Administrative Labor.

B. Expenses of Contractor's principal office and offices, other than the Site office.

C. Contractor's General Overhead and Expenses, except as specifically provided for in the Contract Documents.

D. The capital expenses of Contractor, including interest on capital employed for the Work and charges to Contractor for delinquent payments.

E. Hours in excess of fifty (50) hours per week for each full-time assigned supervisory and administrative personnel even if a supervisory or administrative employee works more than fifty (50) hours in a week.

F. Costs due to correction of Defective Work, disposal of materials or equipment wrongfully supplied, and making good any damage to property.

G. Costs that would cause the GMP to be exceeded.

H. Any costs incurred after Owner's Final Acceptance of the Project.

10.0 CONTRACTOR'S FEE MARKUPS

A. The undersigned Proposer proposes the following mark-up fees for general overhead and profit in the performance all of the Work for the Downtown Water Mains Replacement Project - Hillcrest Neighborhood as shown in **Table H.7.**

Table H.7: Contractor's Fee Mark-up Schedule

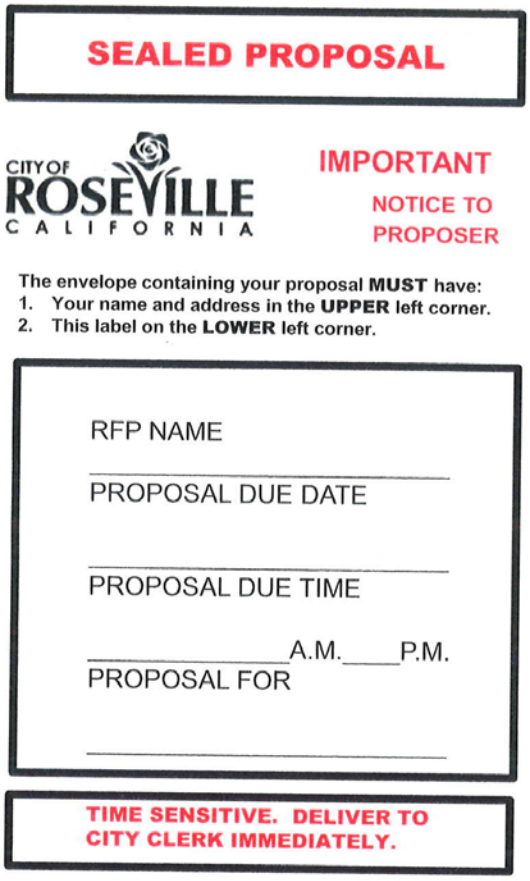
Attachment H Section	Cost Category	Fee Mark-Ups For General Overhead And Profit
4.1-4.3	Hourly Field Labor	%
4.4	Management and Administrative Labor	Included in hourly rates
4.5	Materials	%

Attachment H Section	Cost Category	Fee Mark-Ups For General Overhead And Profit
4.6	Construction Equipment	%
4.7	Subcontractors	%
4.8	Bonds and Insurance	%
4.9	Direct Job Overhead Expenses	%
4.10	Taxes	%

B. Based on the above percentages for each cost category, the Proposed Total Fee Markup-for General Overhead and Profit percentage included in the Contractor's GMP is _____%.

****END OF ATTACHMENT H****

Attachment I - PROPOSAL ENVELOPE LABEL



****END OF ATTACHMENT I****

13.0 ADDITIONAL CONTRACT DOCUMENTS

The following additional contract documents are incorporated by reference here to the Downtown Water Mains Replacement Project – Hillcrest Neighborhood Request for Proposals.

VOLUME 2 OF 4 - AGREEMENT

VOLUME 3 OF 4 – SPECIFICATIONS

VOLUME 4 OF 4 – DRAWINGS

CONTRACT DOCUMENTS FOR

DESIGN-ASSIST AND CONSTRUCTION OF
DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

VOLUME 2 of 4:
AGREEMENT

INCLUDING:

Agreement and Agreement Exhibits

December 16, 2020

Note: Final Executed Agreement will be conformed to all Addenda and incorporate final negotiations with Contractor prior to award of Agreement

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DESIGN-ASSIST CONSTRUCTION AGREEMENT

DOWNTOWN WATER MAINS REPLACEMENT PROJECT – HILLCREST NEIGHBORHOOD

This Design-Assist Construction Agreement ("Agreement") is made and entered into on this ____ day of _____, 20___, by and between the CITY of Roseville, a municipal corporation ("CITY"), and A. Teichert & Son, Inc. (CSLB License #5663440 A), doing business as a Teichert Construction, hereinafter referred to as "CONTRACTOR").

RECITALS

WHEREAS, CITY has issued a Request for Proposals ("RFP") pursuant to which CITY solicited proposals from design-assist contractors to construct the Downtown Water Mains Replacement Project – Hillcrest Neighborhood (Project); and

WHEREAS, CONTRACTOR has submitted a Proposal, dated _November 20, 2020__ attached hereto and made a part hereof as Exhibit B – Contractor's Technical Proposal, and CITY has selected CONTRACTOR to provide design and construction services as set forth in this Agreement; and

WHEREAS, CONTRACTOR is ready, willing and able to perform the aforementioned services required in accordance with the terms and conditions of this Agreement; and

NOW, THEREFORE, CITY and CONTRACTOR agree as follows:

ARTICLE 1 - DEFINITIONS OF LANGUAGE USED, WORDS AND TERMS

Where used in the Contract Documents, the following words and terms shall have the meanings indicated. The meanings shall be applicable to the singular, plural, masculine and feminine of the words and terms.

The Contract Documents include the terms "as allowed," "as approved," "as ordered", "as directed" or terms of like effect to authorize an exercise of professional judgment by the CITY, Construction Manager or Engineer. The adjectives/terms "reasonable," "suitable," "acceptable," "proper," "satisfactory," and "of like effect" are used to describe an action or determination of the CITY, Construction Manager or Engineer as to the Work. It is intended that such exercise of professional judgment, action or determination will be solely to evaluate, in general, the Work for compliance with the requirements of and information in the Contract Documents and conformance with the design concept of the completed Project as a functioning whole as shown or indicated in the Contract Documents (unless there is a specific statement indicating otherwise). The use of any such term is not intended to and shall not be effective to assign to CITY, Construction Manager or Engineer any duty or authority to supervise or direct the performance of the Work or any duty or authority contrary to the other provisions of the Contract Documents.

Specification Section Paragraphs entitled "Section Includes" summarize briefly what is generally included in the section. Requirements of Specifications are not limited by "Section Includes" paragraphs.

1.1. **"Agreement" or "Contract"** means this Design-Assist Construction Agreement, its exhibits, and all amendments and/or modifications hereto executed by the parties. The defined terms "Contract" and "Agreement" may be used throughout interchangeably and should be considered as one in the same defined term.

1.2. **"Allowance" or "Construction Allowance"** is an amount of money set aside under the Contract for a special purpose identified and defined in the Contract Documents. Both required and voluntary allowance items are described in Exhibit C – Guaranteed Maximum Price, Fee, and Cost of Work and are included in the total GMP. Time and materials for all allowance items must be tracked separately and unused portions/funds for Allowance items are not included in potential shared savings.

1.3. **"Applicable Laws"** means all laws, codes, ordinances, rules and regulations of **governmental** authorities having jurisdiction over the Site and/or the Work.

1.4. **"Application for Payment"** means the document prepared by CONTRACTOR and **submitted** to CITY showing CONTRACTOR's entitlement to progress payments, the requirements of which are more fully described in Article 8 hereof.

1.5. **"Architect/Engineer"** means a licensed professional(s) (and/or entity(ies)) retained by CITY, who provides architectural, design and/or engineering services as may be required by the Work. The Architect/Engineer shall be registered in the State of California and the architect and/or engineer of record for the Work pursuant to their design responsibilities. The Architect/Engineer may be substituted or replaced at the discretion of CITY.

1.6. **"Asbestos"** is any material that contains more than one percent asbestos and is friable or is releasing asbestos fibers into the air above current action levels established by the United States Occupational Safety and Health Administration.

1.7. **"Authorized Representatives"** means the Design-Assist Team and those individuals appointed by CITY and CONTRACTOR from time to time in accordance with the provisions of Article 4.2.1.

1.8. **"Beneficial Occupancy" or "Beneficial Occupation**" is a term that can be used to describe a distinct portion of the Work, that in the CITY's Representative's opinion, is capable of being used for its intended purpose, even though it may have some minor deficiencies, including outstanding punch list items to complete.

1.9. **"Business Day"** means any day when the office of the CITY Clerk of the CITY of Roseville is open for business.

1.10. **"Certificate of Substantial Completion"** means a certificate prepared by CONTRACTOR in accordance with Article 8.13 and forwarded to CITY.

1.11. **"Certificate of Final Completion"** means a certificate prepared by CONTRACTOR and forwarded to CITY stating that the Project is finally complete and that CONTRACTOR is entitled to Final Payment in accordance with Article 8.14 hereof.

1.12. **"Change Directive", "Change Order"**, **or "Construction Change Directive (CCD)"** is a written order prepared by the Construction Manager and signed by the CITY, directing a change in the Work and stating a proposed basis for adjustment, if any, in the Contract GMP amount or Contract Time.

1.13. **"Change Proposal"** means a proposal for a Change Order submitted by CONTRACTOR to CITY, either at the request of CITY, or at CONTRACTOR's own initiative.

1.14. **"CITY"** refers to the CITY of Roseville, the governing body of which is termed the "CITY Council".

1.15. **"CITY's Representative"** is the person(s) designated by the Director of the CITY's Environmental Utilities Department who has been duly authorized to exercise control and supervision of the Work. A CITY's Representative generally will be either a professional engineer or architect, depending on the nature of the Work, but is not required to be a

professional engineer or architect. The CITY may change the individual(s) acting as the CITY's Representative(s), or delegate one or more specific functions to one or more specific CITY's Representative at any time without notice and without liability to Contractor. Each CITY's Representative is the beneficiary of all Contractor obligations to CITY, including without limitation, all releases and indemnities

1.16. **"Claim".** A demand or assertion by the Contractor seeking an adjustment of the GMP or Contract Times, or both, or other relief with respect to the terms of the Contract. A demand for money or services by a third party is not a Claim.

1.17. **"Construction Documents"** means the plans and specifications prepared by the Design Assist Team for the Project, approved by CITY, and incorporated into this Agreement by reference after such approval, to be used to construct the Project. The Construction Documents shall set forth in detail all items necessary to complete the construction of the Project in accordance with the Contract Documents (subject to their completion following commencement of the Construction Phase). All amendments and modifications to the Plans and Specifications must be approved by CITY prior to incorporation into this Agreement. CONTRACTOR's attention is hereby directed to the confidentiality requirements of Article 2.12.

1.18. **"Construction Consultant".** The CITY may retain a Construction Consultant(s) as it deems necessary to assist/advise the CITY staff and/or other CITY consultants during the progress of the Work. Any Construction Consultant retained by CITY for this Project will not have any formal contract administration responsibilities. The Construction Consultant(s) is the beneficiary of all Contractor obligations to CITY, including without limitation, all releases and indemnities.

1.19. **"Construction Manager"** is the person designated, in writing, by the CITY to act as its representative at the Site and to perform administrative functions relating to this Agreement. The Construction Manager shall also furnish inspection services as provided by the contract between the Construction Manager and the CITY. All contact between the Contractor and the CITY shall be through the Construction Manager; unless otherwise specified or directed. Only the CITY may modify the Agreement. The CITY may assign all or part of the CITY's Representative's duties, rights and responsibilities to the Construction Manager. The Construction Manager is the beneficiary of all Contractor obligations to CITY, including without limitation, all releases and indemnities.

1.20. **"Construction Phase"** means the period beginning with the issuance of the Construction Notice to Proceed (NTP) and ending on the date of Final Completion of the Project.

1.21. **"Construction Work"** means that portion of the Work consisting of the provision of labor, materials, equipment and services in connection with the construction of the Project as set forth in the Contract Documents.

1.22. **"Contingency Costs"** means those items of Cost of the Work attributable to a contingency for which CITY is responsible and which are payable by CITY to CONTRACTOR pursuant to a Change Order as provided in Article 9.7-CHANGE ORDERS ON ACCOUNT OF CONTINGENCIES.

1.23. **"Contract"** means this Design-Assist Construction Agreement, its exhibits, and all amendments and/or modifications hereto executed by the parties. The defined terms "Contract" and "Agreement" may be used throughout interchangeably and should be considered as one in the same defined term.

1.24. **"Contract Documents"** means 1) the Request for Proposals (and Contractor's Proposal), 2) this document (Agreement) and its Exhibits, 3) the Technical Specifications, and 4) Project Drawings, all of which form the entire integrated agreement between CITY and

CONTRACTOR. In the event of a conflict between any of these documents, this Agreement controls, followed by its Exhibits.

1.25. **"Contract Time"** The number of days or the dates stated in the Agreement to: (i) achieve Milestones, (ii) achieve Substantial Completion; and (iii) complete the Work so that it is ready for final payment as evidenced by Construction Manager's written recommendation of final payment. See Exhibit H - COMPLETION TIMES AND LIQUIDATED DAMAGES.

1.26. **"CONTRACTOR"** means the individual or entity identified in the preamble to this Agreement.

1.27. **"CONTRACTOR'S Plant and Equipment"** means the equipment, material, supplies and all other items, except labor, brought onto the Site by the Contractor to carry out the Work, but not to be incorporated in the Work.

1.28. **"CONTRACTOR Event of Default"** shall have the meaning set forth in Article 14.1 hereof.

1.29. **"Cost of the Work"** consists of those items of Work, which are paid for by CITY to CONTRACTOR, and consist of those categories of costs set forth as allowable on Exhibit C.

1.30. "**County**" refers to Placer County where the Site is located.

1.31. **"CPM"** means a critical path method schedule in the form of precedents, networks and time sequences.

1.32. **"Day" or "Days"** means calendar days, including legal holidays, Saturdays and Sundays, unless specifically noted otherwise. The day shall be 24 hours measured from midnight to the next midnight.

1.33. "**Defective Work**" refers to Work that does not meet the requirements of the Contract Documents and has been identified to the Contractor by the Construction Manager in writing because the Work:

a. Does not meet the requirements of or conform to the Contract Documents; or

b. Does not meet the requirements of any applicable inspection, reference standard, test, or approval referred to in the Contract Documents; or

c. Has been damaged prior to Construction Manager's or Engineer's recommendation of final payment (unless responsibility for the protection thereof has been assumed by CITY as of the Substantial Completion date in accordance with the Contract Documents).

Punch list or other minor corrective items of work that are not in compliance with the Contract Documents do not meet to the definition of "Defective Work" as used in these Contract Documents. For work to be deemed "Defective Work," the Construction Manager must have notified the Contractor in writing of a defective item of the Work.

1.34. **"Design-Assist Team"** includes the following: Architect/Engineer; CONTRACTOR; and/or others as coordinated by CONTRACTOR and CITY.

1.35. **"Design Development Documents"** means the drawings, specifications and other documents prepared by the Design-Assist Team for CITY's review and approval prior to the preparation of the Construction Documents. The Design Development Documents shall illustrate the scale and relationship of Project components, outline the nature and structural exterior and three dimensional scale of the Project and shall fix and describe in detail the configuration and character of the Project concerning all items of the Project necessary for the complete and final preparation of the Construction Documents in accordance with the requirements of the Contract Documents, including architectural and electrical systems, materials and such other elements as may be appropriate. CONTRACTOR's attention is hereby directed to the confidentiality

requirements of Article 2.12.

1.36. **"Design Materials"** means any and all documents, shop drawings, electronic information, data, plans, drawings, sketches, illustrations, specifications, descriptions, models and other information developed, prepared, furnished, delivered or required to be delivered by CONTRACTOR to CITY under the Contract Documents or developed or prepared by CONTRACTOR specifically to discharge its duties under the Contract Documents. CONTRACTOR's attention is hereby directed to the confidentiality requirements of Article 2.12.

1.37. **"Design-Assist Work"** means that portion of the Work consisting of the design-assist services required to be provided in connection with the Architect/Engineer's design of the Project as set forth in the Contract Documents, which shall be performed consistent with the standards of care set forth herein.

1.38. "**Direct**" is an action of the CITY or Construction Manager by which the Contractor is ordered to perform or refrain from performing work under the Agreement.

1.39. "**Drawings**", also referred to as "**Plans**" are that part of the Contract Documents consisting of the graphical and technical requirements of the Agreement as included on the plan, profile, section and detail sheets, included in a response to Request for Information or any revisions issued by Engineer. Drawings, or reproductions thereof, show the location, character, dimensions and details of the Work to be done. Shop drawings and other Contractor submittals are not Drawings as so defined.

1.40. "**Engineer**". The engineer, architect or specialty design consultant designated by the CITY to have design control over the Work or a specified portion of the Work, acting either directly or through duly authorized representatives. Such representatives shall act within the scope of the particular duties delegated to them. The Engineer may also furnish inspection services as provided by the Agreement. The Engineer may also be referred to as the "CITY's Representative" if the definition is used in an Engineer role and capacity. The CITY may assign all or part of the CITY's Representative's duties, rights and responsibilities to the Engineer. The Engineer is the beneficiary of all Contractor obligations to CITY, including without limitation, all releases and indemnities.

1.41. **"Equipment"** (Construction) is all machinery and equipment, together with the necessary supplies for upkeep and maintenance, including tools and apparatus necessary for the proper construction and acceptable completion of the Work contemplated. Equipment (Installation) is all material or articles used in equipping a facility or apparatus required to fulfill a functional design.

1.42. **"Execution"** means field or site performance, workmanship, installation, erection, application, field fabrication, quality control, and protection of installed products on the Site.

1.43. **"Excusable Delay"** shall have the meaning set forth in Article 7.3.3.

1.44. **"Extra Work"** is new or unforeseen work, or added work of a different character or function; or that involves revisions of the details of the Work on which Contractor based its GMP. If the extra work increases the Contractor's Cost of the Work and/or time to perform the Work, and is approved by the CITY via a written Change Order, the GMP and/or Contract Times shall be adjusted as provided in the Contract Documents. Extra Work shall not include Work which is shown, detailed or specified in the Contract Documents or which constitutes "Incidental Work" as defined within the Contract Documents definition below.

1.45. **"Fee"**, if applicable, means the fee payable to CONTRACTOR pursuant to this Agreement and as part of the GMP, if shown on Exhibit C – GUARANTEED MAXIMUM PRICE, COST OF

WORK AND FEE attached hereto.

1.46. **"Field Directive**" is a change in the scope of the Agreement that does not cause an increase in the Cost of the Work, nor an adjustment to the GMP or the Contract Time(s), unless the Construction Manager determines the Field Directive warrants a Change Order.

1.47. **"Field Order"** is a written instruction given to the Contractor by Construction Manager authorizing work that is a change to the scope of Work to be performed on a time and material basis or a lump sum cost agreed to between CITY and the Contractor and documented in a Change Order.

1.48. **"Final Acceptance"** is the formal approval by CITY in accepting a portion of the Contractor's work as completed.

1.49. **"Final Completion"** means the date when the work is 100% complete in accordance with the terms and conditions of the Contract Documents, including completion of all Punch list items as certified by the Construction Manager.

1.50. **"Force Majeure**" includes industry wide or nationwide labor dispute (excluding labor shortage), fire, unusual delay in transportation or delivery, unavoidable casualty, flood (assuming CONTRACTOR has taken reasonable precautions), earthquake, epidemic, civil disturbance, war, freight embargo, riot, sabotage (by persons other than CONTRACTOR or Subcontractors), material shortage or any other similar act or condition, in each case only to the extent the event in question is beyond the reasonable control of and without the fault or negligence of CONTRACTOR. It is expressly agreed that the following matters shall not constitute Force Majeure:

a. Lack of or inability to use funds for any reason;

b. Any occurrence which results from the wrongful act, or wrongful omission, of the affected party, or the failure by the affected party to act in a prudent and proper manner and in accordance with good and accepted industry practices;

c. Any failure by the affected party to reach agreement with any third party necessary to enable the affected party to perform its obligations under this Agreement;

d. An event or circumstance, where the event or circumstance, or its effects on the affected party, or the resulting inability of the affected party to perform its obligations could have been prevented, overcome or remedied by the exercise by the affected party of the standard of care and diligence consistent with that of a reasonable and prudent person;

e. Breakdown of Contractor's Equipment;

f. Strike or industrial action of Contractor's employees or those of subcontractors; or

g. Adverse weather conditions including, without limitation, wet weather, unless the weather is unusually severe for the Site.

1.51. **"Governmental Approvals"** means those CITY approvals necessary for the completion of the Project, including, but not limited to, modification of existing zoning, vacation of certain streets and/or alleys, and modifications to or variances from applicable building or zoning regulations.

1.52. **"Guaranteed Maximum Price"** or **"GMP"** means the amount set forth on Exhibit C-GUARANTEED MAXIMUM PRICE, FEE, AND COST OF WORK hereto, which may be increased or decreased in accordance with the provisions of the Contract Documents.

1.53. **"Hazardous Materials"** means those items identified on Exhibit E-HAZARDOUS MATERIALS hereto.

1.54. **"Holidays"** are the legal holidays as designated by the CITY including: New Year's Day, Martin Luther King Jr. Day, President's Day, Memorial Day, Independence Day, Labor Day, Columbus Day, Veteran's Day, Thanksgiving Day, the day after Thanksgiving and Christmas Day.

1.55. **Incidental Work.** Incidental work includes reasonably implied parts of the not shown on Drawings nor described in Specifications, but which is necessary or normally or customarily required as a part of the Work shown on the Drawings or described in the Specifications to provide a complete installation which is fully connected and tied into the existing facilities and processes and is fully functional and operational. Incidental work shall be treated as if fully described in Specifications and shown on Drawings, and expense thereof shall be included in the GMP. Incidental work shall be performed by Contractor and included in the Cost of the Work without an increase in the GMP.

1.56. **"Indemnified Parties"** includes, but is not limited to, CITY, its agents, officers, employees, and volunteers.

1.57. **"Inspector"** shall mean the person(s), firm(s), or agency(ies) employed by the CITY to perform inspection during construction of the Work, under the direction of the Construction Manager. It shall also mean any representative of the CITY who will perform inspections of the Work for code compliance and quality assurance reporting in addition to those inspections performed by the CITY's Representative and/or the Engineer. Said inspector may be the Construction Manager or may be another representative of the CITY.

1.58. **"Liquidated Damages"** means the damages payable by CONTRACTOR to CITY in the event CONTRACTOR does not achieve project Milestones Final Completion of the Project by the date required on the Schedule, as adjusted, as more fully described in Article 7.5 and Exhibit H-COMPLETION TIMES AND LIQUIDATED DAMAGES hereof.

1.59. **"Modification"** means an amendment to this Agreement executed by the parties after the date hereof.

1.60. **"Non-Excusable Delay"** shall have the meaning set forth in Article 7.3.2.

1.61. **"Notice of Completion"** is the formal action taken by the CITY in determining that the Contractor's Work has been completed, or as delegated pursuant to a CITY Council resolution, accepting the Work as fully completed. The written notice is signed by the CITY and filed with the County Recorder.

1.62. **"Notice to Proceed"** (NTP) is the written notice given by the CITY to the Contractor fixing the date on which the Contract Times will commence to run and on which Contractor shall start to perform the Work under the Contract Documents.

1.63. **"Or Equal"** means any product, equipment, material, thing, service, mean/method or service which is proposed by the Contractor for use in the Work, which is equal to or better than, and is as suitable as the product, equipment, material, thing, service, mean/method or service specified in the Contract Documents as to function, performance, reliability, quality, schedule and general configuration. Any "or equal" substitutions must be approved by the CITY.

1.64. **"Owner"** refers to the CITY, or authorized representative as approved by the CITY.

1.65. **"Party"** shall mean CITY or CONTRACTOR individually, and **"Parties"** shall mean CITY and CONTRACTOR collectively.

1.66. **"Payment and Performance Bonds"** means the payment bond and performance bond issued by an admitted Surety covering the faithful performance and completion of the Construction Work, including payment for all materials and labor furnished or supplied in connection with the

Construction Work, by CONTRACTOR. Such bonds shall be in the form described in Exhibit G-BOND FORMS.

1.67. **"Plans".** See "Drawings".

1.68. **"Project"** means the design and construction of the project described in the Recitals, together with all on-site infrastructure, site improvements and appurtenances to be designed, constructed and installed in connection therewith, as more fully set forth and described in the Contract Documents and as required thereby or reasonably inferred therefrom.

1.69. **"Project Manager"** means the person assigned by the Director of the CITY's administering department to monitor the Project and Work.

1.70. **"Proposal"** is the offer of a Proposer to perform the Work pursuant to completed prescribed Bid Proposal requirements and forms, properly executed and guaranteed, and timely submitted.

1.71. **"Punch List"** means those minor items of Work to be completed after Substantial Completion and prior to Final Completion, which do not prevent the Project from being used for the purpose for which it is intended and which will not prevent beneficial occupancy or use.

1.72. **"Reference Specifications"** are those standards, rules, method of tests or analysis, codes, and specifications of other agencies, engineering societies, or industrial associations referred to in the Contract Documents.

1.73. **"Request for Information"** also referred to as "Request for Clarification". A Request for Information (RFI) is issued by the Contractor to the Construction Manager requesting additional information necessary to clarify or amplify an item in the Contract Documents that the Contractor believes is not clearly shown or called for in the Drawings or Specifications or other portions of the Contract Documents, or to address problems which have arisen under field conditions. A RFI is not to be used for request for materials/equipment substitutions or value engineering/cost reduction incentive proposals.

1.74. **"Request for Quotation"** is a request for a proposed cost made to the Contractor by the CITY to add, delete or change the Work. A Request for Quote (RFQ) shall not be deemed to be a direction to proceed with any addition, deletion or change to the Work.

1.75. **"Retention"** means the amount withheld from progress payments from CITY to CONTRACTOR from time to time, as more fully described in Article 8.6-RETENTION, ESCROW AGREEMENT, FINAL PAYMENTS hereof.

1.76. **"Samples"** refers to physical examples of materials, equipment, or workmanship that are representative of some portion of the Work and which establish the standards by which such portion of the Work will be judged.

1.77. **"Schedule"** means the schedule pursuant to the Proposal and/or other Contract Documents to which CONTRACTOR has agreed to complete the Work. The Schedule shall be adjusted pursuant to the provisions of the Contract Documents. In the event the Schedule is not contained within the Proposal, then CONTRACTOR shall provide to CITY, within fifteen (15) days of issuance of a Notice To Proceed by CITY, with a complete milestone schedule identifying, among other things, critical paths (if any) and total calendar days until Substantial and Final Completion. In the event the Schedule is contained in the Proposal, the start of the Schedule shall be adjusted by the CONTRACTOR to reflect the date of the Notice To Proceed.

1.78. **"Scheduled Date of Substantial Completion"** means the date CONTRACTOR has agreed to achieve Substantial Completion of the Project in accordance with the Schedule, as adjusted.

1.79. **"Scope Change Costs"** means those items of Cost of the Work attributable to changes in scope of the Work and payable by CITY to CONTRACTOR pursuant to a Change Order, as provided

in Article 9-CHANGES IN THE WORK.

1.80. **"Separate Contractors"** means those individuals or entities (including, but not limited to, concessionaires) who have entered into arrangements with CITY for the provision of labor, materials or other services in connection with the Project.

1.81. **"Shop Drawings (Submittals)"** are drawings, diagrams, illustrations, schedules, performance charts, instructions, brochures, and other data which are prepared by the Contractor or any subcontractor, manufacturer, supplier, or distributor and which illustrate some portion of the Work.

1.82. **"Site"** is the real property on which the Project will be located.

1.83. **"Specifications"** are that part of the Contract Documents consisting of written descriptions of the technical features of materials, equipment, construction systems, standards, and workmanship.

1.84. **"Specify"** refers to information described, shown, noted or presented in any manner in any part of the Agreement.

1.85. **"State"** is the State of California.

1.86. **"State of California Specifications"** are the State of California Department of Transportation Standard Specifications in effect as documented in the Specifications and/or Drawings. Also referred to as State Standard Specifications and Caltrans Standard Specifications.

1.87. **"Subcontract"** means an agreement between CONTRACTOR and another person or entity engaged to perform a portion of the Work.

1.88. **"Subcontractor"** means an individual or entity who has entered into an agreement with CONTRACTOR or another Subcontractor for the provision of labor, materials or other services required to be performed by CONTRACTOR under the Contract Documents.

1.89. **"Subcontractor-LISTED**". Listed subcontractors are defined as a subcontractor who will perform greater than one half percent (>0.5%) of the GMP.

1.90. **"Submittals"** are the information which is specified for submission to the Construction Manager in accordance with the Contract Documents.

1.91. **"Substantial Completion"** means the stage in the progress of the Work when the Work or a designated portion thereof is sufficiently complete in accordance with the Contract Documents so that CITY may use the Project for its intended purpose. Determination of Substantial Completion is solely at the discretion of the CITY. Substantial Completion does not mean complete in accordance with the Agreement nor shall Substantial Completion of all or any part of the Project entitle the Contractor to Final Completion under the Agreement.

1.92. **"Surety"** means one or more issuers of the Payment and Performance Bonds, each of which shall be admitted and licensed to do business in the State of California.

1.93. **"Surveyor"** means a land surveyor licensed in the State of California.

1.94. **"Trade Names".** Where a certain product is called by its Trade Name, it is intended as a guide for type and quality.

1.95. **"Typical Details"** are details of standard structures, devices or instructions referred to on the Plans and Specifications by title or number and developed by the Engineer.

1.96. **"Underground Facilities"** means all underground pipelines, including but not limited to, conduits, ducts, cables, wires, manholes, vaults, tanks, tunnels, or other such facilities or attachments, and any encasements containing such facilities, including those that convey

electrical, gases, steam, liquid petroleum products, telephone or other communications, cable television, water, wastewater, storm water, other liquids or chemicals, or traffic or other control systems.

1.97. **"Unit Price Work"** is work to be paid for on the basis of unit prices.

1.98. **"Utility"** is a public or private fixed works for, including but not limited to, the transportation of fluids, gasses, power, signals, or communications.

1.99. **"Work"** or **"Scope of Work"** means the Project, inclusive of all labor, materials and services required to be performed or provided by CONTRACTOR officers, employees, agents, Subcontractors or Suppliers pursuant to the provisions of this Agreement and its Exhibits.

1.100. **"Work Day".** A working day is defined as any day, except Saturdays, Sundays and CITY's Legal Holidays. Any work scheduled by the Contractor on non-working days (Saturdays, Sundays, and CITY Legal Holidays) shall be verified with the CITY at least 72 hours in advance. Depending on the circumstances, the CITY may request Contractor compensation for inspection work, at an hourly rate, for any work performed on non-working days and for overtime.

ARTICLE 2 - SCOPE OF WORK / PROJECT REQUIREMENTS

2.1 Scope of Work Summary

The CITY, in conjunction with its Engineer and other consultants, developed the Design-Assist and Construction Contract Documents for the Downtown Water Mains Replacement Project - Hillcrest Neighborhood. The Work includes but is not limited to Construction of approximately 19,50 feet of 8-inch and 12-inch water mains and associated appurtenances including fire hydrants, valves, cathodic protection system and test stations. Included in the work is installation of approximately 340 new service lines from the new mains and connection to existing meters, public and utility coordination, traffic control and all required permits.

Based on the Final Design Submittal, and in accordance with the Contract Documents, the Contractor is a Design-Assist Team member with responsibility to complete the following **design assist activities**. Coordination with other members of the Design-Assist Team will be required; the City, Engineer, Construction Manager and possibly other personnel that have regulatory or funding authority.

A. Conduct a constructability review of the Final Design Submittal Drawings and Specifications, and submit comments and identified mitigation solutions to the City.

B. Identify cost savings and added value alternative design/construction solutions, and submit to the City for evaluation.

C. Identify construction sequencing and the impacts of the identified alternatives on the sequencing.

D. Conduct potholing and utility location activities to provide data to the Design-Assist Team allowing time for plan revisions prior to the start of construction.

E. Contractor will provide detailed markups of the plans with pothole data and any field observations to aid the Engineer in final design.

F. Develop a detailed work schedule.

G. Participate in a cooperative partnership relationship with City, Engineer, and Construction Manager to develop a comprehensive construction plan that minimizes project risk and

meets City's project objectives including development of final Project Drawings and Specifications for Construction.

H. Coordinate with Design-Assist Team and work collaboratively to resolve unforeseen site conditions/complications. In particular, any field changes to storm drain and sewer crossings must be coordinated with the Engineer.

I. Provide BMPs per the project SWPPP and provide inspections as required.

J. Provide continued value engineering and schedule efficiency input to the Design-Assist Team.

K. Participate in regularly scheduled construction meetings.

L. Interface with City staff (Water Department, Inspections, Permitting).

M. Interface with Local Residents.

Note that the Engineer is the entity professionally responsible for the design of the Project. City acknowledges that Contractor is a general contractor and not an architect or engineer. Except with respect to any subcontractors of Contractor providing architectural or engineering services for the Project as design-build work, the Contractor's review of or input for any design documents, or Contractor's recommendation for any design concepts, is made solely in Contractor's capacity as a licensed contractor and not as a licensed design professional. Contractor is not responsible for any errors in the Engineer's design or failure of the design to comply with applicable laws, codes, rules and regulations, or lawful orders of public authorities. However, if Contractor observes any such nonconformity or errors it shall promptly notify City's Representative and the Engineer.

2.2 Performance of Work

CONTRACTOR shall perform the Work in accordance with this Agreement. CONTRACTOR covenants and agrees that it shall be responsible for performing and completing, and for causing all Subcontractors to perform and complete, the Work in accordance with the Contract Documents, standard professional and trade practices, Local Ordinances, and Applicable Laws. CONTRACTOR covenants that the Work and the materials provided thereunder shall be appropriate for the purposes stated in the Request for Proposal and Proposal. Although it is the responsibility of CONTRACTOR to conform the Work to Applicable Laws at all times, to the extent there is a change in one or more Applicable Laws after the date of execution of this Contract, and such change has the effect of increasing the cost or time of performance of the Work, such change may be the subject of a Change Order under the provisions of Article 9-CHANGES IN THE WORK hereof.

2.3 Standards of Performance

The Work shall be performed by CONTRACTOR in accordance with the professional standards applicable to projects, buildings or work of complexity, quality and scope comparable to the Work and the Project. CONTRACTOR may make such additions or substitutions to personnel and responsibilities as it deems necessary or appropriate in order to carry out its responsibilities hereunder, provided such personnel shall be suitably qualified. Nothing in this Agreement shall be construed to create any contractual liability with CITY toward any Subcontractor.

2.4 Execution, Correlation and Intent

2.4.1 Execution of Agreement.

Execution of this Agreement by CONTRACTOR is a representation that CONTRACTOR has visited the Site, become familiar with the local conditions under which the Work is to be performed and correlated personal observations with requirements of the Contract Documents.

2.4.2 Intent of Contract Documents.

The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by CONTRACTOR. The Contract Documents are complementary and what is required by one shall be as binding as if required by all; performance by CONTRACTOR shall be required only to the extent consistent with the Contract Documents and reasonably inferable from them as being necessary to produce the intended results. Any work, materials or equipment that may reasonably be inferred from the requirements of the Contract will be furnished and performed whether or not specifically called for. When words or phrases that have a well-known technical or construction industry or trade meaning are used to describe Work, materials or equipment, such words or phrases shall be interpreted in accordance with that meaning

2.4.3 Organization of Material.

Organization of the Design Materials into divisions, sections and articles, and arrangement of drawings does not necessarily control CONTRACTOR in dividing the Construction Work among Subcontractors or in establishing the extent of Construction Work performed by any trade.

2.4.4 Resolving Conflicts

In resolving conflicts resulting from errors or discrepancies in any of the Contract Documents, the order of precedence shall be as follows:

A. Permits from other agencies specifically required for the performance of the Work as may be required by law;

B. Supplemental Agreements and Change Orders, the one dated later having the precedence over another dated earlier;

C. Agreement;

D. General Requirements (Division 1);

E. Technical Specifications (Division 2 and all other Divisions following);

F. Contract Drawings;

G. CITY of Roseville's most current version of Construction Standards and Design Standards and Amendments to the Current Version

H. Other Referenced Standard Specifications;

I. Other Referenced Standard Plans.

With reference to the Drawings, the order of precedence is as follows:

A. Addenda/Change Order drawings govern over any other drawings;

B. Enumerated dimensions govern over scaled dimensions;

C. Detail drawings govern over general drawings; and

D. Contract Drawings govern over standard drawings/plans.

The provisions of the Contract Documents shall take precedence over any Laws or Regulations applicable to the performance of the work unless such an interpretation of the provisions of the Contract Documents would result in a violation of such Law or Regulation.

2.4.5 Meaning of Words

Unless otherwise stated in this Agreement, words which have well-known technical or construction industry meanings are used in accordance with such recognized meanings.

2.5 Contractor Services and Facilities

2.5.1 General.

CONTRACTOR shall provide everything required for the orderly progress and proper execution and completion of the Work and the Project in accordance with the requirements of the Contract Documents, whether temporary or permanent and whether or not incorporated or to be incorporated into the Work, including, but not limited to, services, labor, materials, equipment, furnishings, tools, construction equipment and machinery, utilities, transportation and other facilities and services.

2.5.2 Supervision

CONTRACTOR must supervise and direct the Work in accordance with its best skill and attention. CONTRACTOR must be solely responsible for and have control over construction means, methods, techniques, sequences and procedures. CONTRACTOR must be responsible to CITY for the acts and omissions of, and whenever this Contract refers to the negligence, fault or omission of CONTRACTOR, such term shall include the negligence, fault or omission of, CONTRACTOR's employees, Subcontractors and their agents and employees, and other persons performing portions of the Work under an agreement with CONTRACTOR. CONTRACTOR shall not be relieved of obligations to perform the Work in accordance with the Contract Documents by tests, inspections or approvals required or performed by persons other than CONTRACTOR.

2.5.3 Coordination

CONTRACTOR must coordinate construction requirements with Governmental agencies, utilities, and all other parties either involved in infrastructure improvements or otherwise affected by the design and construction requirements.

2.5.4 Design-Assist Development Coordination

CONTRACTOR understands and agrees that all Design Development Documents and time schedules prepared by Architect/Engineer must be coordinated with CONTRACTOR and CITY. CONTRACTOR must participate and provide recommendations in the development of the drawings and other documents to fix and describe the size and character of the Project in its entirety as to structural, and electrical systems, materials and other essentials in CONTRACTOR’s capacity as a general contractor and not as a design professional, focusing on constructability and cost implications of the evolving design.

2.5.5 Construction Documents Coordination. [reserved]

2.5.6 Cooperation

CONTRACTOR must cooperate with the Architect/Engineer, and CITY’s financial, design and construction consultants and all other designated representatives during the design and construction of the Project.

2.5.7 Management

CONTRACTOR must implement suitable management systems and work plans for the Project relative to Project safety, quality assurance and managing and controlling the Work.

2.5.8 Reports

CONTRACTOR must prepare and submit to CITY monthly progress reports on the Work accomplished during the previous monthly period, which reports must be prepared in a manner and in a format reasonably acceptable to CITY. Such reports must be furnished at the time of submission of each monthly Application for Payment. As part of such report, CONTRACTOR must provide an updated Schedule, including CPM, if any, illustrating the progress that has been made, by reference to the initial CPM, and specifying whether the Work is on schedule or behind schedule and actions being taken to correct Schedule slippage. The monthly report must also set forth CONTRACTOR's projected progress for the forthcoming month.

2.6 Labor and Materials; Liens (Stop Payment Notice Claims); Indemnity

Unless otherwise provided in the Contract Documents, CONTRACTOR must provide and pay for labor, materials, equipment, tools, construction equipment and machinery, water, heat, utilities, transportation, and other facilities and services necessary for the proper execution and completion of the Work, whether temporary or permanent and whether or not incorporated or to be incorporated in the Work. CONTRACTOR must enforce strict discipline and good order among CONTRACTOR's employees, subcontractors, and other persons carrying out the Work. CONTRACTOR must not permit employment of unfit persons or persons not skilled in tasks assigned to them.

CONTRACTOR must not permit any Subcontractor, materialman, or laborer to place liens on the Project covering any portion of the Work for which CITY has made payment to CONTRACTOR. If any liens (e.g., stop payment notice claims) are imposed, CITY may withhold payment in the amount of 125% of the claim until such time an unconditional release is provided in a form satisfactory to CITY. CONTRACTOR must indemnify, defend, and hold harmless CITY regarding any claim or lien that proceeds to, or is the subject of litigation. CITY may withhold payment(s) pending compliance with this provision.

2.7 Local Conditions; Environmental Site Conditions

2.7.1 Local Conditions

CONTRACTOR represents that it has taken steps reasonably necessary to ascertain the nature and location of the Work, and that it has investigated and satisfied itself as to the general and local conditions which are applicable to the Work such as (a) conditions bearing on transportation, disposal, handling and storage of materials; (b) the availability of labor, water, power and roads; (c) normal weather conditions; (d) observable physical conditions at the Site; (e) the surface conditions of the ground; and (f) the character of equipment and facilities needed prior to and during the performance of the Work. To the extent CONTRACTOR encounters subsurface or concealed conditions which differ materially from that actually known by CONTRACTOR on the date of this Agreement or from those ordinarily found to exist and generally recognized as inherent in the activities of the character provided in the Contract Documents; then CONTRACTOR must give notice to CITY promptly before conditions are disturbed and in no event later than two (2) Days after the first observance of the conditions if a Change Order is contemplated by CONTRACTOR due to such condition. Such materially different conditions may entitle CONTRACTOR to an equitable adjustment in the GMP and/or Schedule pursuant to the Change Order provisions of this Agreement.

2.7.2 Hazardous Materials

The Parties' agreement as to the handling of Hazardous Materials discovered at the Site (and not brought there by CONTRACTOR or any Subcontractor) is set forth in Exhibit E-HAZARDOUS MATERIALS hereto, and the only duties and responsibilities of CONTRACTOR in connection therewith are as therein specified, notwithstanding any other provision of this Agreement.

2.8 Legal Requirements

CONTRACTOR must comply with all Applicable Laws, and must give applicable **notices** pertaining thereto.

2.8.1 Governmental Approvals

CONTRACTOR must comply with Applicable Laws, and must give applicable notices pertaining thereto. Except with respect to Governmental Approvals, CONTRACTOR must prepare and file all documents required to obtain the necessary approvals of governmental authorities having jurisdiction over the Work and/or the Project and must secure and pay for permits and governmental fees, licenses and inspections necessary for the proper execution of the Work and completion of the Project. Notwithstanding the foregoing, CITY has informed CONTRACTOR that fees in connection with building permits, street use permits, and similar permits relating to construction will be waived and are not to be included in the GMP. If and to the extent charges for such permits are imposed in the future, such charges shall be paid by CITY, or shall be the subject of a Change Order to the Contract in accordance with the Change Order provisions of this Agreement.

2.8.2 Permits, Fees and Notices

Unless otherwise provided in the Contract Documents, and subject to the provisions of Article 2.8-Legal Requirements hereof, CONTRACTOR must secure all permits, governmental fees, licenses and inspections necessary for the proper execution and completion of the Work. To the extent there is a change in the type or cost of any of such permits, fees, licenses or inspection occurring after execution of this Agreement, there shall be an equitable adjustment in the GMP and Schedule on account of such change in accordance with the Change Order provisions. CONTRACTOR must comply with and give notices required by Applicable Laws.

2.8.3 Patents, Trademarks, Copyrights

CONTRACTOR must pay, as a Cost of the Work, all-applicable royalties and license fees on any matters arising in connection with the Work. CONTRACTOR must defend all suits or claims for infringement of patent, trademark, and copyrights against the Indemnified Parties, and must save the Indemnified Parties harmless from loss on account thereof for any and all matters arising in connection with the Work or the Project (such costs to be paid as Cost of the Work), except with respect to any particular design process or the product of a particular manufacturer or manufacturers specified and required by CITY, other than pursuant to the recommendation or suggestion of CONTRACTOR or a subcontractor; provided however, if CONTRACTOR has reason to believe that the design, process or product so specified is an infringement of a patent, CONTRACTOR must be responsible for any loss resulting unless CONTRACTOR has provided CITY with prompt written notice of CONTRACTOR's belief, and CITY has nevertheless elected to go forward with such design, process or product so specified.

2.9 Warranty

CONTRACTOR warrants to CITY that any and all materials, equipment and furnishings incorporated in the Work will be of good quality and new unless otherwise required or permitted by the Contract Documents, that the Construction Work will be free from defects not inherent in the quality required or permitted, and that the Construction Work will conform with the requirements of the Contract Documents. Construction Work not conforming to these requirements, including substitutions not properly approved and authorized, may be considered defective by CITY at its sole discretion**.**

CONTRACTOR must warranty the Construction Work for a period of one-year commencing upon recording of the notice of completion. If within this one-year warranty period any of the Work is found to be defective or not in accordance with the requirements of the Contract Documents, CONTRACTOR must correct it promptly after receipt of written notice from CITY to do so. CITY must give such notice promptly after discovery of the condition. CONTRACTOR must bear the cost of correction. CONTRACTOR's attention is directed to Article 11.13-Payment, Performance, and Warranty Bonds and Exhibit G-BOND FORMS regarding Warranty Bond requirements.

2.10 Use of Site.

2.10.1 Beneficial Use

CITY must be permitted beneficial use of the Work.

2.10.2 Access by CITY

CONTRACTOR must afford CITY and its authorized designees access to the Project Site at all times, subject to reasonable prior notice for access outside of normal business hours.

2.10.3 Rubbish; Debris; Cleanup

During the performance of all on-site Work, CONTRACTOR must at all times, as a Cost of the Work, keep the Site and adjacent streets, properties and sidewalks free from waste materials, debris and/or rubbish, and must employ adequate dust control measures. If accumulation of such materials, debris, rubbish or dust constitutes a nuisance or safety hazard or is otherwise objectionable in the reasonable opinion of CITY, CONTRACTOR must promptly remove them. Upon Substantial Completion of the Work, or any portion or component thereof, CONTRACTOR must remove from the Site, or applicable portion thereof, all tools, construction equipment, machinery, surplus materials, waste materials and rubbish and must leave the Site in a "broom clean" condition. If CONTRACTOR fails to clean up as provided in the Contract Documents, CITY may do so and the cost thereof must be charged to CONTRACTOR as a Cost of the Work.

2.10.4 Noise and Night Work

CONTRACTOR must comply with CITY's noise ordinance.

2.11 Taxes

CONTRACTOR must pay, as Cost of the Work, all existing and future applicable federal, state and local sales, consumer, use and similar taxes, whether direct or indirect, relating to, or incurred in connection with, the performance of the Work (excluding taxes based on CONTRACTOR's income). In the event CONTRACTOR is obligated to pay any new or increased taxes or duties adopted after the date hereof, the amount of such new or increased taxes shall increase the GMP pursuant to the Change Order provisions of this Contract. In the event CONTRACTOR receives the benefit of a tax exemption or tax

reduction taking effect after the date hereof, the amount of such exemption or reduction must decrease the GMP pursuant to the Change Order provisions of this Contract

2.12 Ownership of Documents and Materials, and Confidentiality

CITY must have unlimited rights to copy and use in connection with the Project all Design Materials, including the right to use same on the Project at no additional cost to CITY, regardless of degree of completion, provided that said services performed have been fully paid for as required by the terms of this Agreement. CONTRACTOR and its Subcontractors must keep all design documents confidential, and must not disclose such documents except as may be required in performance of the Work or pursuant to legal process.

2.13 Value Engineering

CONTRACTOR must suggest to CITY value engineering to reduce the cost of the Project, which CITY may accept at its sole discretion.

2.13.1 Acceptance of Value Suggestions

To the extent that CONTRACTOR provides value engineering suggestions or comments with respect to the Project's design, CITY acknowledges that such services are advisory only and not professional design services. CITY shall refer all such suggestions and comments to the Architect/Engineer for review and evaluation prior to CITY's acceptance thereof. CITY shall cause the Architect/Engineer to revise the Project's design documents to reflect all value engineering suggestions and comments accepted by CITY without delay or disruption to the timely and orderly progress of the Work, including revisions needed to address the impact of an agreed value engineering solution on other portions of the Work. The GMP and Contract Time shall be adjusted by Change Order promptly after CONTRACTOR's review and pricing of the change to the Work reflected in the revised design documents.

2.13.2 Subcontractors Bids

CONTRACTOR shall make recommendations to the Architect/Engineer regarding the appropriate quality of materials, equipment, component systems and types of construction for the most reasonable prices for inclusion in the Construction Documents, and CONTRACTOR shall also recommend to the Architect/Engineer and CITY reasonable adjustments in the scope of the Project so that the total cost bid by the bidding Subcontractors will not exceed the estimate.

2.14 Design Development Documents and Construction Documents.

2.14.1 General

The Design-Assist Team understands that all construction documents, working drawings and specifications must be coordinated with, submitted to, and approved by, CITY prior to construction. CONTRACTOR must allow CITY a minimum of fourteen (14) days for review of Submittals and corrections made thereto. CONTRACTOR must work with the Design-Assist Team to prepare, for the approval of CITY, working drawings and specifications setting forth in detail the requirements for the construction of the Project in its entirety CITY's review of the Design Development Documents and the Construction Documents must not relieve CONTRACTOR from its responsibilities under this Agreement, or be deemed to be an approval or waiver by CITY of any deviation from, or of CONTRACTOR's failure to comply with, any provision or requirement of the Contract Documents, unless such deviation or failure has been identified as such in writing in the document submitted for approval by CONTRACTOR and approved by CITY. CONTRACTOR must comply with all CITY

construction standards as deemed applicable by the CITY. CONTRACTOR must provide CITY with a complete, accurate, full size, and current set of as built drawings in a hard copy acceptable to City prior to Final Completion.

The Architect/Engineer is the entity professionally responsible for the design of the Project. CITY acknowledges that CONTRACTOR is a general contractor and not an architect or engineer. Except with respect to any subcontractors of CONTRACTOR providing architectural or engineering services for the Project as design-build work, CONTRACTOR's review of or input for any design documents, or CONTRACTOR's recommendation for any design concepts, is made solely in CONTRACTOR's capacity as a licensed contractor and not as a licensed design professional. CONTRACTOR is not responsible for any errors in the design or failure of the design to comply with applicable laws, codes, rules and regulations, or lawful orders of public authorities. However, if CONTRACTOR observes any such nonconformity or errors it must promptly notify CITY and the Architect/Engineer.

2.14.2 Reliance on Approvals

CONTRACTOR shall be entitled to rely on the approvals of CITY with respect to the Design Materials. If CITY revokes, modifies or otherwise changes in a material way its approval of a given system after such system has been designed and approved, or modifies the original Scope of Work in a material manner requiring modification to one or more systems which have been designed and approved, CONTRACTOR shall be entitled to a Change Order in accordance with the provisions of Article 9-CHANGES IN THE WORK hereof. No Change Order shall be issued to the extent such modification is due to the fault or neglect of CONTRACTOR.

2.14.3 Review of Contract Documents and Field Conditions

CONTRACTOR must take field measurements and verify field conditions and must carefully compare such field conditions and other information known to CONTRACTOR with the Contract Documents before commencing activities. CONTRACTOR must perform the Work in accordance with the Contract Documents and submittals approved in accordance with the procedures set forth in this Agreement.

2.15 Shop Drawings, Product Data, Samples and Other Submittals.

2.15.1 Documents and Samples at the Site

From and after commencement of the Construction Work, CONTRACTOR must maintain at the site one (1) record copy of the Construction Documents, and any and all amendments thereto, in good order and marked to record changes and selections made during the Construction Phase. In addition, CONTRACTOR must maintain at the site approved shop drawings, product data, samples and similar required submittals. These must be provided to CITY upon completion of the Work.

2.15.2 Shop Drawings

Shop Drawings are drawings, diagrams, schedules and other data specially prepared for the Work by CONTRACTOR, a Subcontractor, manufacturer, supplier or distributor to illustrate some portion of the Work.

2.15.3 Product Data

Product Data includes illustrations, standard schedules, performance charts, instructions, brochures, diagrams and other information furnished by CONTRACTOR to illustrate materials or equipment for some portion of the Work.

2.15.4 Samples

Samples are physical examples, which illustrate materials, equipment or workmanship and establish standards by which the Work will be judged.

2.15.5 Submittals are not Contract Documents.

Shop Drawings, Product Data, Samples and similar submittals are not Contract Documents. The purpose of their submittal is to demonstrate for those portions of the Work for which submittals are required the way CONTRACTOR proposes to conform the construction to the Construction Documents.

2.15.6 Submission of items listed in Article 2.15.5

Requirements and procedures for submittal of shop drawings, product and equipment data are covered in technical specification section 01322 and 01330.

2.15.7 Responsibility

CONTRACTOR shall not be relieved of responsibility for the deviations from requirements of the Contract Documents by CITY's approval of Shop Drawings, Product Data, Samples or similar submittals unless CONTRACTOR has specifically informed CITY of such deviation at the time of the submittal and CITY has given written approval to the specific deviation. CONTRACTOR shall not be relieved of responsibility for errors or omissions in Shop Drawings, Product Data, Samples or similar submittals by CITY's approval thereof.

2.16 Tests and Inspections

2.16.1 Initial Tests and Inspections

Tests, inspections and approvals of portions of the Construction Work must be made as required by the Contract Documents, Applicable Laws or normal construction practices and/or as directed by CITY. Unless otherwise provided, CONTRACTOR must make arrangements for such tests, inspections and approvals with an independent testing laboratory or entity acceptable to CITY, or with the appropriate public authority. The costs of such tests, inspections and approvals must be a cost paid by CONTRACTOR. CONTRACTOR must give CITY timely notice of when and where tests and inspections are to be made so that CITY may observe such procedures. All costs of tests, inspections or approvals imposed upon CONTRACTOR by changes in Applicable Laws occurring after execution of this Agreement shall be an increase to the GMP in accordance with the Change Order provisions herein.

2.16.2 Additional Tests and Inspections

If CITY, or any other public authority having jurisdiction, determines that portions of the Construction Work require additional testing, inspection or approval beyond that required by Article subsection 2.16.1 above, CITY will instruct CONTRACTOR to make arrangements for such additional testing, inspection or approval by an entity acceptable to CITY, and CONTRACTOR must give timely notice to CITY of when and where tests and inspections are to be made so CITY may observe such procedures. If such additional tests and/or inspections reveal failure of the portions of the Work to comply with the requirements of the Contract Documents, the costs of such tests and required correction must be paid as a Cost of the Work, subject to the limitations set forth in Article 2.19-CORRECTION OF WORK hereof. If the additional tests and/or inspections show that the portions of the Work comply with the requirements of the Contract Documents, the costs thereof shall be an increase to the GMP in accordance with the Change Order provisions of this Agreement.

2.16.3 Required Certificates

Required certificates of testing, inspection or approval must, unless otherwise required by the Contract Documents, be secured by CONTRACTOR and promptly delivered to CITY.

2.16.4 Timing of Testing

Tests or inspections conducted pursuant to the Contract Documents must be made promptly to avoid unreasonable delay in the Work.

2.17 Cutting and Patching

2.17.1 Cutting and Patching of the Work

CONTRACTOR must be responsible for cutting, fitting, or patching required to complete the Work or to make its parts fit together properly.

2.17.2 Damage to Work of CITY or Separate Contractors

CONTRACTOR must not damage or endanger a portion of the completed Work, fully or partially completed construction of CITY, or work or construction by Separate Contractor(s) by cutting, patching or otherwise altering such construction or work, or by excavation. CONTRACTOR must not cut or otherwise alter such construction by CITY or a Separate Contractor except with written consent of CITY and of such Separate Contractor, such consent not to be unreasonably withheld.

2.18 Uncovering of Construction Work.

2.18.1 Uncovering

If a portion of the Construction Work is covered contrary to CITY's written request to observe such work prior to it being covered or contrary to requirements of the Contract Documents, it must, if directed in writing by CITY, be uncovered for CITY's observation and be replaced without change in the Schedule or GMP. The costs of such uncovering and replacement must be Cost of the Work, subject to the limitation set forth in Article 2.19-CORRECTION OF WORK hereof.

2.18.2 Covering of Work Requested to be Observed

If a portion of the Construction Work has been covered, which CITY has not specifically requested to observe prior to being covered, CITY may request to see such Construction Work and it must be uncovered by CONTRACTOR. If such Construction Work is in accordance with the Contract Documents, costs of uncovering and replacement shall, by appropriate Change Order, be charged to CITY and shall increase the GMP. An appropriate time extension shall also be given. If such Construction Work is not in accordance with the Contract Documents, CONTRACTOR must pay such costs as Cost of the Work, unless such condition was caused by CITY or a Separate Contractor in which event CITY shall be responsible for payment of such costs by appropriate Change Order, and an appropriate time extension shall also be given.

2.19 Correction of Work

2.19.1 Work Rejected by CITY

CONTRACTOR must promptly correct Construction Work rejected by CITY or failing to conform to the requirements of the Contract Documents, whether observed before or after Substantial Completion and

whether or not fabricated, installed or completed. CONTRACTOR must bear the costs of correcting such rejected Construction Work, as a Cost of the Work, including additional testing and inspection and compensation for services and expenses of CITY made necessary thereby.

2.19.2 Removal of Work

CONTRACTOR must remove from the Site portions of the Construction Work, which are not in accordance with the requirements of the Contract Documents and are neither corrected by CONTRACTOR nor accepted by CITY. The costs incurred in removing such Work must be a Cost of the Work, subject to the limitation set forth in Article 2.19-CORRECTION OF WORK hereof.

2.19.3 Failure to Correct Nonconforming Work

If CONTRACTOR fails to correct nonconforming Construction Work within a reasonable time, CITY may correct it in accordance with the terms of this Agreement. If CONTRACTOR does not proceed with correction of such nonconforming Construction Work within a reasonable time fixed by written notice from CITY, CITY may remove it and store the salvageable materials or equipment at CONTRACTOR's expense. If CONTRACTOR does not pay costs of such removal and storage within ten (10) Days after written notice, CITY may, upon ten (10) additional Days written notice, sell such materials and equipment at auction or at private sale and shall account for the proceeds thereof, after deducting costs and damages that should have been borne by CONTRACTOR, including compensation for services and expenses made necessary thereby. If such proceeds of sale do not cover costs which CONTRACTOR should have borne, CONTRACTOR must pay such excess to CITY. If such proceeds are in excess of the costs which CONTRACTOR should have borne, such excess must be paid by CITY to CONTRACTOR. If such costs arise during the performance of the Work, such costs must be charged against the Cost of the Work. If such costs arise after Substantial Completion, such costs shall be payable as provided in Article 8.1-GUARANTEED MAXIUMU PRICE.

2.19.4 Damaged or Destroyed Work

CONTRACTOR must bear the cost of correcting destroyed or damaged construction, whether completed or partially completed, of CITY or Separate Contractors caused by CONTRACTOR's correction or removal of Construction Work which is not in accordance with the requirements of the Contract Documents. If such costs arise during the performance of the Work, such costs shall be charged against the Cost of the Work. If such costs arise after Substantial Completion, such costs shall be payable as provided in Article 8.1-GUARANTEED MAXIMUM PRICE.

2.19.5 No Limitation

Nothing contained in this Article 2.19-CORRECTION OF WORK shall be construed to establish a period of limitation with respect to other obligations which CONTRACTOR might have under the Contract Documents.

2.19.6 Acceptance of Nonconforming Work

If CITY prefers to accept Work, which is not in accordance with the requirements of the Contract Documents, CITY may do so instead of requiring its removal and correction, in which case the GMP will be reduced as appropriate and equitable. Such adjustment shall be effected whether or not final payment has been made.

2.20 Contractor Registration

No contractor or subcontractor may work on a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5. During the performance of this Contract, CONTRACTOR and its subcontractors shall have a continuing legal obligation to maintain current registration with the Department of Industrial Relations. CONTRACTOR is hereby notified that this Project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

ARTICLE 3 - CONTRACT ADMINISTRATION

3.1 Administration of the Contract

The CITY's Representative and the Construction Manager will provide administration of the Agreement as hereinafter described. If the status of any of the above parties should change, the CITY will provide written notice to the Contractor of such change.

3.2 CITY's Representative

3.2.1 General

The CITY's Representative has the authority to act on behalf of the CITY on change orders, field orders, progress payments, Contract Decisions, acceptability of the Contractor's work, and early possession.

3.2.2 Change Orders

The CITY's Representative has the authority to accept or reject change orders and cost proposals submitted by the Contractor or as recommended by the Construction Manager.

3.2.3 Progress Payments

CITY's Representative has the authority to accept or reject requests for progress payments which have been submitted by the Contractor and recommended by the Construction Manager.

3.2.4 Contract Decisions

Should CONTRACTOR disagree with the Construction Manager's decision with respect to the Agreement, the CONTRACTOR may appeal to the CITY's Representative in accordance with the provisions of the Agreement.

3.2.5 Acceptability of Work

The CITY's Representative has the authority to make the final determination of the acceptability of the Work.

3.3 Construction Manager

3.3.1 General

The Construction Manager is a representative of the CITY employed to act as advisor and consultant to the CITY in construction matters related to the Agreement. The term Construction Manager may include more than one individual to perform contract administration and construction observation. Hereinafter, the term Construction Manager includes any and all representatives working under the direction of the Construction Manager.

All instructions to the Contractor and all communications from the Contractor to the CITY or the CITY's Representative shall be forwarded through the Construction Manager. The Construction Manager will have authority to act on behalf of the CITY only to the extent provided in the Contract Documents. The CITY has delegated its authority to the Construction Manager to make initial decisions regarding questions which may arise as to the quality or acceptability of materials furnished and work performed, and as to the manner of performance and rate of progress of the Work. The Construction Manager shall make initial decisions with respect to the Contractor's fulfillment of the Agreement and the Contractor's entitlement to compensation. The Contractor shall look initially to the Construction Manager in matters relating to the Agreement.

The Construction Manager's authority to act under Article 3-CONTRACT ADMINISTRATION, herein, and any decision made by it in good faith either to exercise or not to exercise such authority, shall not be interpreted or construed as control of or responsibility for any of the Work performed under this Agreement.

3.3.2 On-Site Representative

The Construction Manager will observe the progress, quality, and quantity of the Work to determine, in general, if the Work is proceeding in accordance with the provisions of the Contract Documents. The Construction Manager shall not be responsible for the superintendence of the construction site conditions; construction means, methods, appliances techniques, sequences, or procedures; operation of equipment; Contractor's personnel; or for safety practices or unsafe practices, precautions, and programs in connection with the Work.

In accordance with the provisions of these Contract Documents, the Construction Manager will make decisions relative to all matters of interpretation or execution of the Contract Documents.

3.3.3 Observation and Inspections of Construction

The Construction Manager shall observe the construction and shall have the authority to reject work and materials which do not conform to the Contract Documents, and to require special inspection or testing. Observation and inspection by the Construction Manager or an inspector is not an authorization to revoke, alter, or waive any requirements of the Specifications. Observation and inspection is the authorization to call the attention of the Contractor to any failure of the Work, materials or workmanship to conform to the Contract Documents. The Construction Manager shall have this authority including the ability to reject materials or, in any emergency, suspend the Work. The Contractor may appeal any such issue which it disagrees with to the Construction Manager for decision. If the decision of the Construction Manager is not satisfactory to the Contractor, the Contractor may appeal such decision to the CITY's Representative.

3.3.4 Acceptability of the Work

The Construction Manager has the authority to make a recommendation as to the acceptability of the Work.

3.3.5 Change Orders

The Construction Manager has the authority to initiate change orders; to reject change orders proposed by the Contractor; to negotiate and recommend acceptance of change orders to the CITY; or to order minor changes in the Work that result in no cost to the CITY.

3.3.6 Construction Schedule

The Construction Manager has the authority to review and recommend acceptance of the progress schedule submitted by the Contractor at the start of the Work and subsequent significant revisions for conformance to the specified sequence of Work and logic.

3.3.7 Progress Payments

The Construction Manager has the authority to recommend acceptance or rejection of requests for progress payments which have been submitted by the Contractor.

3.3.8 Final Payment

The Construction Manager, with the assistance of the CITY's Representative and the Engineer, will conduct inspections to determine the date of Final Completion of the Work, and the Construction Manager will receive and forward to the CITY, for the CITY's review, written warranties and related documents required by the Agreement and assembled by the Contractor.

3.3.9 Contract Interpretation by the Construction Manager

Notwithstanding any omission from the Specifications or the Drawings it shall be the duty of the Contractor to call the Construction Manager's attention to apparent errors or omissions upon discovery by the Contractor and request instructions in writing before proceeding with the Work. The Contractor shall not unreasonably take advantage of any errors or omissions found by Contractor. If the Contractor discovers any errors or omissions that it believes affect the time or cost of performing the Work, it shall be entitled to request a Change Order. Contractor shall promptly notify the Construction Manager in writing of any design, materials, or specified method that the Contractor identifies as defective or insufficient, provided, however, that in doing so Contractor will be acting in its capacity as a contractor and not an architect or engineer, and that this section does not affect CITY's responsibility with regard to the Contract Documents. The Construction Manager may, by appropriate written instructions, correct errors and supply omitted information, which instructions shall be as binding upon the Contractor as though contained in the original Specifications or Drawings when incorporated into Change Orders. Such instructions shall be incorporated into the Agreement in accordance with the Change Order provisions of the Agreement.

Any discrepancies discovered by the Contractor between the Contract Documents and Site conditions or any inconsistencies or ambiguities in the Contract Documents shall be promptly reported, in writing, to the Construction Manager. Questions regarding the meaning and intent of the Contract Documents shall be referred in writing by the Contractor to the Construction Manager with a Request for Information (RFI).

Work done by the Contractor after its discovery of such errors, omissions, discrepancies, inconsistencies or ambiguities without such notice and prior to response from the Construction Manager shall be done at the Contractor's risk and shall not be reimbursed as a Cost of the Work, nor be a basis for an increase in the GMP.

3.4 Engineer

3.4.1 General

The Engineer will have the authority to act on behalf of the CITY only to the extent provided in the Contract Documents. The Engineer shall not be responsible or have authority for the superintendence of construction site conditions; construction means, methods, appliances techniques, sequences, or

procedures; operation of equipment; Contractor's personnel; or for safety practices or unsafe practices; precautions and programs in connection with the Work; or for any failure of the Contractor to comply with laws, regulations, rules, ordinances, codes, or orders applicable to the Contractor furnishing and performing the Work.

3.4.2 Interpretations

The Engineer has the authority to be the initial interpreter of the technical requirements of the Contract Documents. Either party to the Agreement may make written request to the Construction Manager for interpretations necessary for the proper execution or progress of the Work. The Construction Manager shall refer such written requests to the Engineer, who will render such interpretations. Where the Contractor has requested an interpretation from the Construction Manager, or been notified by the Construction Manager that such interpretation has been requested by the CITY, any work done before receipt of such interpretations, if not in accordance with same, shall be removed and replaced or adjusted as directed by the Construction Manager without additional expense to CITY and shall not be reimbursed as a Cost of the Work, or be a basis for an increase in the GMP.

3.4.3 Acceptability of the Work

The Engineer has the authority to make a recommendation as to the acceptability of the Work. The Engineer has the authority to recommend acceptance regarding the remediation or retention of Defective Work.

3.4.4 Submittal

The Engineer shall receive, through the Construction Manager, shop drawings, product data and samples for review.

The Engineer has the authority to review and take other appropriate action upon the Contractor's submittal such as shop drawings, product data and samples, but only for conformance with the design concept of the Work and the information given in the Contract Documents.

ARTICLE 4 - CITY'S RIGHTS AND RESPONSIBILITIES

4.1 General

CITY, acting through the CITY's Representative or the Construction Manager, shall have the authority to act as the sole judge of the Work and materials with respect to both quantity, quality function, performance and reliability as set forth in the Agreement except as delegated to the Construction Manager in these Contract Documents.

4.2 Information and Services Required of CITY

4.2.1 CITY Designation of Authorized Representative

Both Parties shall designate, from time to time, one or more representatives authorized to act on their behalf with respect to the Project, together with the scope of his/her respective authority. CONTRACTOR shall not be entitled to rely on directions from anyone outside the scope of that person's authority as set forth in written delegations pursuant to this Agreement. Directions and decisions made by Authorized Representative(s) of CITY shall be subject to any further approval(s) required by any provisions of CITY's Charter or the Roseville Municipal Code.

4.2.2 Communication

During the term of this Contract, CITY shall communicate with Subcontractors, suppliers and others performing any part of the Work only through CONTRACTOR's Authorized Representative.

4.2.3 CITY'S instruction to CONTRACTOR

Wherever CITY is identified in the contract documents in reference to providing the CONTRACTOR with instruction, the "CITY" reference could mean, Construction Manager, Engineer, or Representative acting on behalf of the CITY as delegated in that instance.

4.3 Activities on Site by CITY or Separate Contractors

4.3.1 Observation and Inspection

In addition to the Construction Manager's designated representative, the CITY may provide one or more inspectors to the Construction Manager to observe the Work and with the same authority as provided for in Article 3.3.3, Observation and Inspections of Construction.

Separate and independent from the observations and inspections above, the Work may be inspected by Building Officials, Fire Officials, Roseville Electric and/or Pacific Gas and Electric for code compliance. Such inspectors shall have the authority provided to them by their jurisdiction. Any design deficiencies or additional work required by these code inspections not required by the Contract Documents may be incorporated into the Work in accordance with the Change Order provisions of the Agreement

4.3.2 CITY'S Right to Award Separate Contracts

CITY reserves the right to perform work or operations related to the Project with the CITY'S own forces, and to award separate contracts to Separate Contractors in connection with the Project or other work on the Site. If the Contractor claims that delay, damage, or additional cost is involved because of such action by the CITY, the Contractor shall make such claim as provided elsewhere in the Contract Documents. When separate agreements are awarded for different portions of the Project or other work on the Site, the term "Contractor" in the Contract Documents in each case shall mean the contractor who executes each separate Agreement.

4.3.3 Integration of the Work with Separate Contractors

Following the request of CITY, CONTRACTOR shall prepare a plan in order to integrate the work performed by Separate Contractors with the performance of the Work, and shall submit such plan to CITY for approval. The plan shall be fair and reasonable for CONTRACTOR and the Separate Contractors, and CONTRACTOR shall work with the Separate Contractors to reach agreement on such plan. CONTRACTOR shall arrange the performance of the Work so that the Work and the work of the Separate Contractors are, to the extent applicable, properly integrated, jointed in an acceptable manner, and performed in the proper sequence so that any disruption or damage to the Work or to any work of Separate Contractors is avoided.

4.3.4 Coordination

CONTRACTOR shall provide for the coordination of the activities of CONTRACTOR and its Subcontractors with the activities of the Separate Contractors. CONTRACTOR shall participate with all Separate Contractors and CITY in reviewing and coordinating the schedules of the Separate Contractors with the Schedule. CONTRACTOR shall make any revisions to the Schedule deemed necessary to properly incorporate the work of the Separate Contractors with the Work. To the extent (a) the date of

Substantial Completion is extended by such Schedule revision; (b) CONTRACTOR is required to perform its Work materially out of sequence, and in a manner which is not as efficient or cost effective as originally planned; or (c) the Scope of Work is increased, an equitable adjustment in the GMP and the Schedule shall be made in accordance with the Change Order provisions of this Agreement.

4.3.5 Use of Site

CONTRACTOR shall afford CITY and all Separate Contractors reasonable opportunity for storage of materials and equipment and performance of their work. CONTRACTOR shall also connect and coordinate its Work and operations with CITY and all Separate Contractors' operations as required by the Contract Documents. CITY shall direct the Separate Contractors to cooperate with CONTRACTOR and to avoid actions or omissions, which could interfere with or delay the activities of CONTRACTOR.

4.3.6 Deficiency in Work of Contractors

If part of CONTRACTOR's Work depends upon proper execution or results upon construction or operations by CITY or a Separate Contractor, CONTRACTOR shall, prior to proceeding with that portion of the Work, promptly report to the Separate Contractor and CITY apparent discrepancies or defects in such other construction that would render it unsuitable for proper execution and results by CONTRACTOR. CONTRACTOR and the Separate Contractor shall use good faith efforts to resolve any such discrepancies or defects or any disagreements relating thereto. Failure of CONTRACTOR to report such discrepancies or defects shall constitute acceptance by CONTRACTOR of the work of Separate Contractors as fit and proper to receive CONTRACTOR's Work (except as to those defects or discrepancies that are not apparent).

4.4 Claims Involving Separate Contractors

In the event that CONTRACTOR unnecessarily and unreasonably delays the work of Separate Contractors by not cooperating with them as required hereby, or by not affording them reasonable opportunity to perform their work as stated herein, CONTRACTOR shall, in such event, pay, as Cost of the Work, all reasonable direct incremental costs and expenses incurred by such Separate Contractors due to any such delays. If any Separate Contractor shall assert a claim or bring an action against CITY alleging damage due to the fault or neglect of CONTRACTOR, CITY shall immediately notify CONTRACTOR, who shall defend such claim. If it is determined that CONTRACTOR was at fault, CONTRACTOR shall pay all costs of defense, including attorney's fees, as well as any resulting judgment or settlement, as a Cost of the Work.

4.5 Assignment of Separate Contracts

If CITY determines that it wishes to assign to CONTRACTOR one or more contracts between CITY and a Separate Contractor, it shall give CONTRACTOR written notice of such desire, including in such notice a copy of such contract for CONTRACTOR's review and approval. The Separate Contractor shall be fully qualified to perform the work under the to-be-assigned contract, shall possess the financial capability to perform its obligations under such to-be-assigned contract, and shall provide one hundred percent (100%) payment and performance bonds covering such work from sureties meeting the standards set forth in Article 11-Insurance and Bonds; Indemnification hereof. Such contract shall contain provisions similar to those contained in CONTRACTOR's agreements with its Subcontractors with respect to liability, indemnification, retention, payment, labor, warranty, and other material items. Upon CONTRACTOR's approval of the assignment of such contract, which approval shall not be unreasonably withheld, delayed or conditioned, such Separate Contractor shall cease to be a Separate Contractor and shall thereafter be deemed to be a Subcontractor of CONTRACTOR, and the GMP shall be increased by

Change Order in the amount of (a) such assigned contract, and (b) the additional Fee pursuant to the provisions of Article 9.6-Change Orders on Account of Scope Change.

4.6 CITY's Right to Stop the Work

If CONTRACTOR persistently fails to correct Work which is not in accordance with the requirements of the Contract Documents and this Agreement or persistently fails to carry out the Work in accordance with the Contract Documents, CITY, by written order signed by CITY, may deliver a notice to CONTRACTOR setting forth that such a persistent and material failure is occurring and has occurred, and demanding that CONTRACTOR commence a cure of such persistent and material failure within twenty (20) Days and diligently pursue such cure thereafter. In the event that the cure is not commenced and pursued diligently, CITY may, by written notice to CONTRACTOR, order CONTRACTOR to stop the Work, or any portion thereof, until the use for such order has been eliminated; provided, however, that the right of CITY to stop the Work shall not give rise to a duty on the part of CITY to exercise this right for the benefit of CONTRACTOR or any other person or entity and shall not give rise to any liability of CITY to CONTRACTOR resulting from any delay (except to the extent that such order is found to be improper).

If CONTRACTOR fails to correct an unsafe condition as specified in Article 12-SAFETY: PROTECTION OF PERSONS AND PROPERTY, the CITY shall have the right to notify the Contractor through the Construction Manager that an unsafe condition may exist and must be corrected or the Work in question can be stopped immediately. CITY's has a right to stop the work, until the condition is corrected to the satisfaction of the CITY.

4.7 CITY's Right to Carry Out the Work

If CONTRACTOR defaults or neglects to carry out the Work in accordance with the Contract Documents and fails within a seven (7) Day period after receipt of written notice from CITY to commence and diligently continue correction of such default or neglect with diligence and promptness, CITY may, after such seven (7) Day period, give CONTRACTOR a second written notice to correct such deficiencies within such second seven (7) Day period. If CONTRACTOR within such second seven (7) Day period after receipt of such second notice fails to commence and diligently continue to correct any deficiencies, CITY, without prejudice to other remedies CITY may have, may correct such deficiencies. In such case an appropriate Change Order shall be issued deducting from payments then or thereafter due to CONTRACTOR the cost of correcting such deficiencies, including Compensation for additional services and expenses made necessary by such default, neglect or failure. If payments then or thereafter due to CONTRACTOR are insufficient to cover such amounts, CONTRACTOR shall pay the difference to CITY.

The CITY also reserves the right to perform and suspend any portion of the Work due to an emergency threatening the safety of the Work, public, CITY, and any property or equipment. No deductive Change Order shall be issued for an emergency not caused by Contractor.

4.8 Non-Responsibility of the CITY

CITY shall not be held responsible for the care or protection of any material or parts of the Work prior to the Final Acceptance, except as expressly provided in the Contract Documents.

ARTICLE 5 - CONTRACTOR RIGHTS AND RESPONSIBILITIES

5.1 Status of Contractor and Subcontractors

5.1.1 Contractor

It is stipulated and agreed that the Contractor shall be an independent contractor in the performance of this Agreement and shall have complete charge of persons engaged in performance of the Work. The Contractor shall perform the Work in accordance with its own means, methods, and appliances subject to compliance with the requirements of the Agreement.

5.1.2 Subcontractors

If any part of the Work to be done under this Agreement is subcontracted, the subcontract shall be in writing and shall provide that all Work to be performed thereunder shall be performed in accordance with the terms of the Contract Documents. The subcontracting of any or all of the Work to be done will in no way relieve the Contractor of any part of its responsibility under the Agreement. Subcontractors will not be recognized as having a direct relationship with the CITY. The persons engaged in the Work, including employees of subcontractors and suppliers, will be considered employees of the Contractor and their work shall be subject to the provisions of the Agreement. References in the Contract Documents to actions required of subcontractors, manufacturers, suppliers, or any person other than the Contractor, the CITY or the Construction Manager shall be interpreted as requiring that the Contractor shall require such subcontractor, manufacturer, supplier or person to perform the specified action.

The Contractor shall only employ subcontractors that are properly licensed in accordance with State law and are registered with the California Department of Industrial Relations (DIR).

Prior to commencement of any work by a subcontractor, the Contractor shall submit to the Construction Manager:

A. Verification that the subcontractor is properly licensed for the work it will perform.

B. Upon CITY'S request, copies of subcontract agreements.

C. Copies of subcontractor's insurance certificates and endorsements.

5.2 Contractor's Representative

The Contractor shall provide in writing, a request to the CITY to delegate authority to an individual to serve in the capacity of authorized representative and shall wait to receive written confirmation from the CITY, before the authorized representative can start work. The authorized representative shall be qualified for the duties required and have complete authority to represent and to act for the Contractor. Said authorized representative has the authority to act in matters relating to the Agreement, and shall be personally present at the Site at all times while work is actually in progress on the Agreement. During periods when the Work is suspended, arrangements acceptable to the Construction Manager shall be made for any emergency work that may be required. The Contractor's authorized representative shall be fluent and proficient in the English language in order to understand, receive, and carry out oral and written communications or instructions relating to all job functions and responsibilities. All communications to and from the Contractor's authorized representative shall be binding as if given to or by the Contractor.

Contractor shall provide its authorized representative's contact information which shall include the representative's name, office street address, office telephone number, mobile phone number, home phone number, email address and the office mailing address if different from the street address.

The Contractor's authorized representative shall give its personal attention to and shall supervise the Work to the end that it shall at all reasonable times be prosecuted faithfully; and when the authorized representative is not personally present on the Work, the representative shall at all reasonable times be

represented by a competent designated alternate, superintendent or foreman (approved in writing by the CITY, to act in this capacity) who shall receive and obey all instructions or orders given under this Agreement, and who shall have full authority to supply materials, tools, and labor without delay, and who shall be the legally appointed representative of the Contractor. The Contractor shall be liable for the faithful observation of any instructions delivered to the Contractor or to its authorized representative.

5.3 Supervision and Superintendence

CONTRACTOR shall supervise, inspect, and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents. Contractor shall be solely responsible for the means, methods, techniques, sequences, and procedures of construction. Contractor shall not be responsible for the negligence of Owner or Engineer in the design or specification of a specific means, method, technique, sequence, or procedure of construction which is shown or indicated in and expressly required by the Contract Documents.

At all times during the progress of the Work, Contractor shall assign a competent resident Superintendent who shall not be replaced without written notice to Owner and Engineer except under extraordinary circumstances.

5.4 Documents and Samples at the Site.

CONTRACTOR shall maintain at the site for CITY one record copy of the drawings, specifications, addenda, Change Order and other Modifications, in good order and marked currently to record changes and selections made during construction, and in addition approved Shop Drawings, Product Data, Samples and similar required submittals. CONTRACTOR shall also prepare one reproducible set of as-built drawings. These shall be provided to CITY upon completion of the Work.

5.5 Use and Protection of CITY'S Site and Adjacent Property

5.5.1 Designated Areas

With the approval of the Construction Manager, the Contractor may use designated portions of the CITY'S Site for storage of construction equipment, materials and field offices provided the Contractor does not interfere with CITY'S operations. The Contractor will not be allowed to unreasonably encumber the Site or adjacent areas with its materials and/or equipment. The CITY will not accept any responsibility for damage to or loss of the Contractor's equipment or materials stored on any Project related site caused by vandalism, nature, or otherwise, suffered by the Contractor. Protection of all construction equipment, stores, and supplies shall be the sole responsibility of the Contractor. Where additional work space is desired by the Contractor or where the CITY cannot provide the space to the Contractor, it shall be the Contractor's sole responsibility and expense to obtain such a space for its use.

5.5.2 Contractor's Site Access

All workers or representatives of the Contractor, subcontractors or suppliers are admitted to the Site only for the proper execution of the Work and have no tenancy without the express written permission of the CITY. Furthermore, no persons may occupy property owned by the CITY outside the limit of the Work, as indicated on the Drawings, without the express written permission of the CITY.

5.5.3 Provisions for Handling Emergencies

It is possible that emergencies may arise during the progress of the Work, which may require special treatment or make advisable extra shifts of labor forces to continue the Work for twenty-four (24) hours per day. These emergencies may be caused by damage or possible damage to nearby existing structures or property by reason of the work under construction, or by storm, accidents, or leakage. The Contractor shall be prepared in case of such emergencies to make all necessary repairs and shall promptly execute such work when required; such emergency work will be reimbursed as a Cost of the Work and the GMP increased accordingly.

Upon start of the Work, Contractor shall provide means for immediate emergency notification of Contractor's designated representative and designated emergency alternates.

5.5.1 Debris, Trash, and Construction Wastes

The Contractor shall keep the Site reasonably free from debris, trash and construction wastes to permit Contractor to perform construction services efficiently, safely and without interfering with the use of adjacent land areas, and as further stipulated in the Contract Documents. When the Work is Substantially Complete, or a portion of the Work has been completed, Contractor shall remove all debris, trash, construction wastes, materials, equipment, machinery and tools arising from the Work or applicable portions thereof to permit CITY to occupy the Project or a portion of the Project for its intended use. Contractor shall provide a finished cleaning of all areas acceptable to the CITY before releasing any area to the CITY for occupancy.

5.6 Compliance with Laws

The CITY is a municipal corporation in the State of California and is subject to the applicable provisions of law relating to public contracts as a Charter CITY. It is agreed that all provisions of law applicable to public contracts are a part of these Contract Documents to the same extent as though set forth herein and will be complied with by Contractor.

The Contractor shall at all times observe and comply with all existing laws, ordinances, regulations, orders and decrees; and shall protect, indemnify, and defend the CITY, the Construction Manager, the Engineer, the Funding Agencies and all of their officers, officials, employees, agents, volunteers, and servants against any claim or liability arising from or based upon the violation of any such law, ordinance, regulation, order, or decree, whether by the Contractor itself, employees, or its subcontractors.

The Contractor, shall at its own cost and expense, observe and keep itself and its subcontractors fully informed of all existing and future legislated State and Federal Laws and CITY and County ordinances and regulations which in any manner affect those engaged or employed in the Work, or the materials and equipment used in the Work, or which in any way affect the conduct of the Work, and all such orders and decrees of bodies or tribunals having any jurisdiction or authority over the same.

If any discrepancy or inconsistency is discovered in the Drawings, Specifications, or in any other part of this Agreement, in relation to any law, ordinance, regulation, order or decree, the Contractor shall immediately report the same to the Construction Manager in writing.

Attention is directed to the following specific regulations and requirements that are hereby included in the Contract Documents. This list of regulations is not warranted to be complete and the burden of ascertaining legal requirements that must be satisfied shall rest solely with the Contractor.

5.6.1 Prevailing Wages

For purposes of this Agreement, CONTRACTOR and its Subcontractors shall comply with all applicable prevailing wage laws, e.g., but not limited to, California Labor Code Sections 1770 et seq. In accordance with said Section 1775, CONTRACTOR shall forfeit as a penalty to the CITY Two Hundred Dollars ($200) for each calendar Day or portion thereof for each worker paid less than the prevailing rates for such work or craft in which such worker is employed for any work done on-Site under the Agreement by CONTRACTOR or by any Subcontractor in violation of the provisions of the Labor Code and in particular, Labor Code Sections 1770 to 1780, inclusive. In addition to said penalty and pursuant to said Section 1775, the difference between such stipulated prevailing wage rates and the amount paid to each worker for each calendar Day or portion thereof for which each worker was paid less than the stipulated prevailing wage shall be paid to each worker by CONTRACTOR or the applicable Subcontractor.

Pursuant to the provisions of California Labor Code Sections 1773, the Department has identified the source, stated below, of the General Prevailing Rate of Wages applicable to the work to be done, for straight time, overtime, and holiday work. The holiday wage rate listed shall be applicable to all holidays recognized in the collective bargaining agreement of the particular craft, classification or type of worker concerned. These wage rates may be obtained from the State Department of Industrial Relations and/or the following website address: http://www.dir.ca.gov/dlsr/DPreWageDetermination.htm, which is a part of this Agreement.

Pursuant to Labor Code Section 1773.2, General Prevailing Wage Rates set forth above, which forms a part of this Agreement, shall be posted by CONTRACTOR at a prominent place at the Site. Prevailing wage rates to be posted at the Site will be furnished by the Department. The possibility of wage increases is one of the elements to be considered by CONTRACTOR in determining its Proposal, and will not under any circumstances be considered as the basis of a claim against CITY or the Agreement.

5.6.2 DIR Registration

California Labor Code section 1725.5 requires the Contractor and all lower-tier subcontractors performing public works services to be currently registered with the California DIR, as specified in California Labor Code section 1725.5. California Labor Code section 1771.1 provides that a contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal (subject to the requirements of Section 4104 of the California Public Contract Code), or engage in the performance of any contract for public work, unless currently registered and qualified to perform public work pursuant to California Labor Code section 1725.5. The Contractor shall list the Contractor's current DIR registration number, and the current DIR registration number of all subcontractors, as part of its Bid Proposal.

Further information can be found on DIR's website at http://www.dir.ca.gov/Public-Works/Contractors.html. The above summary is provided solely for informational purposes, and does not in any way affect the Contractor's and subcontractors' obligation to comply in all respects with all other applicable laws and regulations. The Contractor shall disseminate these provisions to every lower-tier subcontractor.

5.6.3 Apprentices on Public Work Projects

The Contractor and any subcontractor or subconsultant shall comply with California Labor Code section 1777.5 et seq., and implementing regulations set forth in Title 8 of the California Code of Regulations, governing the employment of apprentices. Contractor and any subcontractor or subconsultant performing Public Work will be subject to penalties for apprenticeship violations in accordance with Labor Code section 1777.7. Please refer to the link below for guidance in meeting your obligation to satisfy the

apprentice requirements for this Project:
https://www.dir.ca.gov/das/DASApprenticesOnPublicWorksSummaryOfRequirements.htm.

5.6.1 Receipt of Workers' Wages, Fee for Registering or Placing Persons in Public Works

The Contractor and any subcontractor or subconsultant shall comply with California Labor Code sections 1778 and 1779 of the California Labor Code, which read as follows:

Section 1778. "Every person, who individually or as a representative of an awarding or public body or officer, or as a contractor or subcontractor doing public work, or agent or officer thereof, who takes, receives or conspires with another to take or receive, for his own use or the use of any other person any portion of the wages of any workman or working subcontractor, in connection with services rendered upon any public work is guilty of a felony."

Section 1779. "Any person or agent or officer thereof who charges, collects, or attempts to charge or collect, directly or indirectly, a fee or valuable consideration for registering any person for public work, or for giving information as to where such employment may be procured, or for placing, assisting in placing, or attempting to place, any person in public work, whether the person is to work directly for the State, or any political subdivision or for a contractor or subcontractor doing public work is guilty of a misdemeanor."

5.6.2 Travel and Subsistence Payments

Each worker needed to execute the Work must be paid travel and subsistence payments as defined in the applicable collective bargaining agreements filed in accordance with Section 1773.1 of the California Labor Code.

5.6.3 Workday

In accordance with the provisions of Division 2, Part 7, Chapter 1, Article 3 of the Labor Code, State of California, and in particular Sections 1810 to 1815 inclusive, thereof, eight (8) hours labor shall constitute a days' work and no laborer, worker, or mechanic in the employ of said Contractor, or any subcontractor doing or contracting to do any part of the Work contemplated by this Agreement, shall be required or permitted to work more than eight (8) hours in any one calendar day, and forty (40) hours in any one calendar week unless compensated at not less than time and a half as set forth in California Labor Code Section 1815. However, if the prevailing wage determination requires a higher rate of pay for overtime than is required under said Section 1815, then the overtime rate must be paid, as specified in California Code of Regulation Title 8, Group 3, Section 16200(a)(3)(F). The Contractor and each subcontractor shall also keep an accurate record showing the names and actual hours worked of all workers employed by them in connection with the work contemplated by this Agreement, which record shall be open at all reasonable hours for the inspection of the CITY or its officers or agents and by the Division of Labor Standards Enforcement of the Department of Industrial Relations, their deputies or agents; and it is hereby further agreed that said Contractor shall forfeit as a penalty to the CITY, the sum of the greater of (i) Twenty-Five and No/100 Dollars ($25.00) or (ii) the maximum penalty allowable by statute for each laborer, worker or mechanic employed in the execution of this Agreement by the Contractor or by any subcontractor for each calendar day during which such laborer, worker or mechanic is required or permitted to labor more than eight (8) hours in any one calendar day and forty (40) hours in one calendar week in violation of these provisions.

5.6.4 Labor Discrimination

The Contractor and any subcontractor or subconsultant shall comply with California Labor Code Section 1735, which reads as follows:

Section 1735. "No discrimination shall be made in the employment of persons upon public works because of the race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, or sex of such persons, except as provided in Section 12940 of the Government Code, and every contractor for public works violating this Section is subject to all the penalties imposed for violation of this chapter."

Contractor agrees that it shall not discriminate against any person on account of their sex, race, color, religious creed, ancestry, national origin, disability, medical condition, marital status, age, gender, military or veteran status, genetic information, or sexual orientation in violation of the Fair Employment and Housing Act or the Unruh Civil Rights Act. Upon a final determination by a court of competent jurisdiction that the Grantee has violated either of these Acts, the CITY may, at its option, (1) withhold payments to Contractor under this Agreement until Contractor complies; or (2) suspend or terminate this Agreement. Contractor shall include the provisions of this paragraph in every subcontract, including procurement of materials and lease of equipment, unless specifically exempted by the CITY.

5.6.5 Asbestos Related Work

All work involving asbestos containing material must be performed in accordance with California Labor Code, Sections 6501.5 through 6510, inclusive, and California Administrative Code, Title 8, Section 5208 and all other pertinent laws, rules, regulations, codes, ordinances, decrees and orders.

5.6.6 Compliance with Environmental Laws

During construction, the Contractor shall comply with all pertinent requirements of Federal, State, and local environmental laws and regulations, including, but not limited to, the Federal Clean Air Act, State and local air pollution and noise ordinances, construction site erosion control regulations.

5.6.7 Public Records Act

5.6.7.1 Ownership and Disclosure

Except as otherwise provided herein, all records, documents, drawings, plans, specifications, and all other information relating to the conduct of CITY'S business, including information submitted by the Contractor ("Records"), shall become the exclusive property of CITY and shall be deemed public records. Said Records are subject to the provisions of the California Public Records Act (Government Code § 6250 et seq.). The CITY'S use and disclosure of its records are governed by this Act. The CITY will use its best efforts to inform the Contractor of any request for any financial records or documents marked "Trade Secret," "Confidential" or "Proprietary" provided by the Contractor to CITY. The CITY will not advise as to the nature or content of documents entitled to protection from disclosure under the California Public Records Act.

5.6.7.2 Litigation Related to Disclosure

In the event of litigation concerning the disclosure of any Records, CITY'S sole involvement will be as a stakeholder, retaining the Records until otherwise ordered by a court. The submitting party, at its sole expense and risk, shall be fully responsible for any and all fees for prosecuting or defending any action concerning the Records and shall indemnify and hold CITY harmless from all costs and expenses including attorney's fees in connection with any such action.

5.7 Certified Electricians

Workers performing work for an electrical contractor installing, constructing, or maintaining any electrical system covered by the National Electrical Code shall be certified as a General Electrician per California Labor Code Section 3099.

5.8 Contractor's Safety Responsibility

The Contractor shall be solely and completely responsible for conditions of the jobsite, including safety of all persons and property during performance of the Work. This requirement shall apply continuously and not be limited to normal working hours. Safety provisions shall conform to U.S. Department of Labor (OSHA), the California Occupational Safety and Health Act (Cal OSHA), and all other applicable Federal, State, County, and local laws, ordinances, codes, including but not limited to the requirements set forth in Article 12 – SAFETY: PROTECTION OF PERSONS AND PROPERTY, and any regulations that may be detailed in other parts of these Contract Documents. In the event of conflicting requirements, the most stringent requirement as it pertains to the Contractor's safety responsibility, shall be followed by the Contractor. Refer to Article 12 - SAFETY: PROTECTION OF PERSONS AND PROPERTY

5.9 Nonstandard Working Hours

The Contractor may be required to prosecute the Work at night or outside of the normal working hours defined in Section 01130-1.3.c Hours of Work and Overtime. Such work may be required due to project or operational constraints as defined in Section 01130 or if emergencies arise as provided for in Article 5.5.3-Provisions for Handling Emergencies. When required, ordered, or permitted to work at night, the Contractor shall provide sufficient and satisfactory lighting and other facilities therefore. Except as provided in 5.5.3-Provisions for Handling Emergencies, for work outside of the normal working hours, the Contractor shall receive no extra payment, but compensation shall be considered as having been included in the GMP stipulated for the Work, except for authorized work performed outside of the Agreement.

5.10 Cooperation with Other Contractors

This paragraph shall serve as notice to the Contractor that the CITY may allow other contracts for other work at or near the Site of this Work. The Contractor shall afford other Contractors reasonable opportunity for the delivery and storage of their materials and the execution of their work, and shall properly connect and coordinate its work with theirs.

Should construction be under way by other forces or by other Contractors within or adjacent to the limits of the work or in the vicinity of the work to be done under this Agreement, the Contractor shall so conduct its operations as to interfere to the least possible extent with the work of such other forces or Contractors.

Any difference or conflicts which may arise between the Contractor and any other forces or Contractors, creating delays or hindrance to each other, shall be adjusted as determined by the Construction Manager.

ARTICLE 6 - SUBCONTRACTORS

6.1 Incorporation of Contract Documents

CONTRACTOR may enter into Subcontracts with various Subcontractors for portions of the Work. The Subcontracts shall require each Subcontractor, to the extent of the Work to be performed by such

Subcontractor, to assume towards CONTRACTOR all the obligations and responsibilities which CONTRACTOR assumes towards CITY. All Subcontracts shall incorporate the terms of this Agreement and the Contract Documents to the extent applicable to the Work to be performed by the Subcontractor.

6.2 Approval of Subcontractors

Those portions of the Construction Work that the CONTRACTOR does not intend to perform with CONTRACTOR's own personnel shall be performed under Subcontracts. A proposed list of Subcontractors shall be submitted to CITY for approval. Proposed Subcontractors will be deemed accepted unless CITY objects in writing within five (5) days after submission by CONTRACTOR.

ARTICLE 7 - TIME AND PROGRESS OF THE WORK

7.1 Commencement of Work

Within forty-five (45) calendar days after executed of the Agreement, written Notice to Proceed will be issued by the City to Contractor. Notwithstanding other provisions of the Agreement, the Contractor shall not be obligated to perform the Work, and the City shall not be obligated to accept or pay for such Work performed by the Contractor, prior to City's issuance of the Notice to Proceed. The Contractor shall provide the required Agreement bonds and evidences of insurance prior to the City's execution of this Agreement and prior to commencement of any Work.

The Contractor shall commence execution of the Work within ten (10) days after the date established in the Notice to Proceed for the commencement of Contract Time.

The Contractor shall give the Construction Manager written notice not less than five (5) working days in advance of the actual date on which the Work is to begin on the Site (excluding Preconstruction Services performed under the Agreement) will be started. The Contractor shall be entirely responsible for any delay in the Work which may be caused by its failure to give such notice.

7.2 Contract Time

All time limits for Substantial Completion, and Final Completion as stated in the Contract Documents are of the essence of the Agreement. The counting of Working or Calendar Days shall begin ten (10) Calendar Days from the date of the Notice to Proceed. The Contractor shall prosecute the Work so that the various portions of the Work shall be complete and ready for use within the times specified in Exhibit H-COMPLETION TIMES AND LIQUIDATED DAMAGES. It is expressly understood and agreed by and between the Contractor and the City that the Contract Time(s) for Contract Milestones, Substantial Completion of the Work and for Final Completion are reasonable times taking into consideration the average climatic and economic conditions and other factors prevailing in the locality and the nature of the Work known as of the date this Agreement is entered into.

7.3 Delays

7.3.1 Notice of Delays

When the Contractor foresees a delay in the prosecution of the Work and, in any event, promptly upon the occurrence of a delay to its Work, the Contractor shall notify the Construction Manager in writing of the occurrence of delay, providing the estimated extent of the delay and its cause. The Contractor shall take immediate steps to prevent or mitigate, if possible, the occurrence or continuance of the delay.

The Contractor agrees that no claim shall be made for any occurrence of delay that is not the subject of a written notice and that is not submitted to the attention of the Construction Manager within ten (10) calendar days of its occurrence. The City may accept a delay with more than ten (10) calendar days of notice if the City finds that the Contract was acting in good faith and the City was not prejudiced by the Contractor's failure to timely provide the required notice.

7.3.2 Non-Excusable Delays

Non-excusable delays in the prosecution of the Work are delays which were caused by the Contractor, or by its subcontractors and suppliers, at any tier level, or delays which could have been avoided by the exercise of care, prudence, and diligence on the part of the Contractor or its subcontractors or suppliers, at any tier level. The Contractor shall receive no compensation or time extension for such delay. The determination of Non-Excusable Delays shall be made solely by the Construction Manager. In the event that the Contractor is not in agreement with the Construction Manager's decision, the Contractor may appeal the decision by submitting to the City (for consideration), evidence that supports the Contractor's claim for an Excusable Delay consideration.

7.3.3 Excusable Delays

Excusable Delays in the prosecution or completion of the Work are delays which are not caused by or within the control of Contractor and which could not have been avoided by the exercise of care, prudence, foresight, and diligence on the part of the Contractor or its subcontractors or suppliers, at any tier level. In addition, before a delay will be deemed an "Excusable Delay," the delay must prevent the Contractor from proceeding with at least seventy-five (75%) percent of the normal labor and equipment force for at least five (5) hours per day toward completion of the current critical activity item(s) on the latest approved progress schedule submitted by Contractor in accordance with the Contract Documents. The Contractor shall receive no compensation for such delay unless such delay also qualifies as a Compensable Delay, as described below. The following are examples of Excusable Delays:

A. Site Availability; Failure or inability of CITY to make available any or all of the Site in accordance with the requirements of the Schedule.

B. Regulatory and Governmental Authority; Failure or inability of CITY or CONTRACTOR to obtain necessary zoning changes, variances, code changes, permits or approvals from any governmental authority, or failure to obtain any street or alley vacations required for the performance of the Work, except to the extent due to the fault or neglect of CONTRACTOR.

C. Separate Contractor's Acts or Omissions; Delays resulting solely from the acts or omissions of Separate Contractors; provided however, only to the extent Separate Contractors perform their work improperly and not in accordance with any applicable critical path schedule.

D. Force Majeure; Delays resulting from Force Majeure.

E. Differing Site Conditions; Differing, unusual or concealed site conditions that could not reasonably have been anticipated by CONTRACTOR in preparing the Schedule.

F. Hazardous Materials; Delays resulting from the existence or discovery of Hazardous Materials on the Site not brought to the site by CONTRACTOR or any Subcontractor.

G. Applicable Laws; Delays resulting from changes in Applicable Laws occurring after the date of execution of this Agreement.

H. CITY Acts or Omissions; Delays occurring solely due to the acts or omissions of CITY and those within the control of CITY, including, but not limited to, Separate Contractors.

I. Abnormal Delays; Delays caused by fire, unusual storms, floods, tidal waves, earthquakes, strikes, labor disputes, freight embargoes, and shortages of materials shall be considered as Excusable Delays insofar as they prevent the Contractor from proceeding with at least seventy-five (75%) percent of the normal labor and equipment force for at least five (5) hours per day toward completion of the current critical activity item(s) on the latest favorably reviewed progress schedule.

J. Weather Delays; Delays caused by inclement weather conditions or the conditions resulting from inclement weather shall be considered as "Excusable Delays" if they prevent the Contractor from proceeding with seventy-five (75%) percent of the normal labor and equipment force engaged in the current critical activity item for a period of at least five (5) hours per day toward completion of such operation or operations, and the crew is dismissed as a result thereof.

K. Material Shortages; Upon the Contractor's submission of satisfactory proof to the Construction Manager, shortages of material may be considered an "Excusable Delay" upon the satisfaction of the conditions set forth herein. The Contractor must demonstrate that the Contractor has made every effort to obtain such materials from all known sources within reasonable reach of the proposed Work. Only the physical shortage of material, caused by unusual and unforeseeable circumstances, will be considered as eligible for an "Excusable Delay," and no consideration will be given to any claim that the material could not be obtained at a reasonable, practical, or economical cost or price, unless it is shown to the satisfaction of the Construction Manager that such material could have been obtained only at exorbitant prices entirely out of line with current rates, taking into account the quantities involved and usual practices in obtaining such quantities. A time extension for shortage of material will not be considered for material ordered or delivered late or whose availability is affected by virtue of the Contractor's or its subcontractor's or supplier's mishandling of the procurement for such material. The above provisions apply equally to equipment to be installed in the Work. Nothing herein is intended to affect the Contractor also needing to demonstrate that the delay must prevent the Contractor from proceeding with at least seventy-five (75%) percent of the normal labor and equipment force for at least five (5) hours per day toward completion of the current critical activity item(s) on the latest favorably reviewed progress schedule.

7.3.4 Compensable Delays

Compensable Delays in the prosecution or completion of the Work are delays which meet each of the following three elements: (1) delays which result from causes beyond the control of the Contractor and which could not have been avoided by the reasonable exercise of care, prudence, and diligence on the part of the Contractor or its subcontractors or suppliers, at any tier level; (2) delays that prevent the Contractor from proceeding with at least seventy-five (75%) percent of the normal labor and equipment force for at least five (5) hours per day toward completion of the current critical activity item(s) on the latest approved progress schedule; and (3) delays that are caused by one of the following three causes:

A. CITY Acts or Omissions; Delays due to the actions and/or inactions of the City, Construction Manager, Engineer or any of their agents or employees.

B. Differing Site Conditions; Delays due to differing site conditions as defined in Article 7.3.3.E-DIFFERING SITE CONDITIONS.

C. Separate Contractor's Acts or Omissions; Delays due to other contractors employed by the City who interfere with the Contractor's prosecution of the Work as defined above.

7.3.5 Concurrent Delays

Concurrent delays are those delay periods when the prosecution of the Work is delayed during the same period of time due to causes from a combination of the delays defined in Article 7.3.2-NON-EXCUSABLE DELAYS, Article 7.3.3-EXCUSABLE DELAYS, or Article 7.3.4-COMPENSABLE DELAYS. During such concurrent delay periods, time extensions will be granted in accordance with Article 7.4-TIME EXTENSIONS; however, the Contractor will be granted a non-compensable time extension, and the City shall not assess its actual costs as defined in Article 7.4.1-NON-EXCUSABLE DELAYS**,** nor will the City assess Liquidated Damages.

7.4 Time Extensions

7.4.1 Non-Excusable Delays

The Contractor shall receive no compensation or time extension for Non-Excusable Delays.

7.4.2 Excusable or Compensable Delays

If the Contractor is delayed in the performance of its Work as defined in Article 7.3.3-EXCUSABLE DELAYS, or Article 7.3.4-COMPENSABLE DELAYS, then the Contract Time(s) will be extended by the City for such time that, the Contractor shows, and the City agrees (which agreement will not be unreasonably withheld), the Project's critical path completion dates will be delayed, provided that the Contractor strictly fulfills the following:

A. The Contractor shall have provided written notification, in accordance with Article 7.3.1-NOTICE OF DELAYS;

B. The Contractor shall have submitted in writing a request for an extension of time to the Construction Manager stating at a minimum the cause of the delay and the estimated number of days being requested. The Contractor's request for a time extension shall be submitted within fifteen (15) days of the Contractor furnishing its written notice pursuant to Article 7.3.1-NOTICE OF DELAYS. In the case of an Excusable Delay or Compensable Delay that allegedly is impacting the Contractor's operations for a period longer than fifteen (15) days, the Contractor shall update its request for a time extension, including updating its time impact analysis, every thirty (30) days until the delay is no longer allegedly impacting the Contractor's operations.

C. If the Contractor maintains that the delay at issue is a Compensable Delay, the Contractor shall submit an estimate of the additional compensation for Field Overhead and Indirect Home Office Overhead (per Article 7.4.4-FIELD OVERHEAD AND INDIRECT HOME OFFICE OVERHEAD FOR COMPENSABLE DELAYS that it is seeking in regard to the alleged delay. This estimate shall be included with the Contractor's request for time extension that is described in paragraph B, above. In the case of a Compensable Delay that allegedly is impacting the Contractor's operations for a period longer than fifteen (15) days, the Contractor shall update its estimate of additional compensation every thirty (30) days until the delay is no longer allegedly impacting the Contractor's operations.

D. If requested by the Construction Manager, the Contractor shall provide sufficient information to the Construction Manager to assess the cause or effect of the alleged delay (as well as additional compensation in the case of Compensable Delay), or to determine if other concurrent delays affected the Work. Such additional information shall be furnished within fifteen (15) days of the Construction Manager's request for additional information.

E. Time extensions due to Excusable or Compensable Delays will be granted only if such

delays involve controlling critical path operations which would prevent completion of the whole Work within the specified Contract Time(s), as described in the above conditions for determination of "Excusable Delay" or "Compensable Delay."

Construction Manager will, in writing, approve or reject the Contractor's request for a time extension within fifteen (15) days of the latter of (i) the Construction Manager's receipt of the Contractor's complete request for a time extension; or (ii) the Construction Manager's receipt of the additional information referenced in paragraph C, above. If Construction Manager does not provide a written response within such fifteen (15) day time period, the Contractor's request shall be deemed denied by the City.

If the Construction Manager determines that the Contractor is entitled to a time extension, during such approved extension of time, neither extra compensation for engineering, inspection and administration nor damages for delay will be charged to the Contractor.

7.4.3 Weather Delays

For Weather Delays, the Contractor will be granted a non-compensable time extension for weather caused delays, pursuant to Article 7.3.3.J-WEATHER DELAYS, over and above an allowance as provided for in Exhibit H-Completion Times and Liquidated Damages. No time extensions for weather delays will be granted until the total number of weather days exceeds this allowance.

Should the Contractor fail to complete the Work within the time specified in the Agreement, as extended in accordance with this clause if appropriate, the Contractor shall pay to the City liquidated damages in accordance with Article 7.5-Liquidated Damages.

7.4.4 Field Overhead and Indirect Home Office Overhead for Compensable Delays

The Contractor shall be compensated for field overhead and indirect home office overhead expenses due to Compensable Delays for periods of time when the Work is delayed as defined in Article 7.3.4-COMPENSABLE DELAYS. However, no payment shall be made for compensable delays which occur during a concurrent delay as defined in Article 7.3.5-CONCURRENT DELAYS. As a condition precedent to payment for field overhead and indirect home office overhead, the Contractor must fulfill all conditions as provided in Article 7.4.2-EXCUSABLE OR COMPENSABLE DELAYS. Compensation will be calculated in accordance with 7.4.4.1 and 7.4.4.2 below. No additional markup for overhead or profit shall be provided for such field overhead and indirect home office overhead expenses.

Payment to the Contractor for indirect overhead expenses will be made only if the extended Contract Time period granted for the compensable delay(s) is required to complete the Work following the depletion of the original Contract Time period and any time extensions granted other than compensable time extensions. Payment for field overhead and indirect home office overhead shall be calculated as follows:

7.4.4.1 Field Overhead

For those allowable delay periods as described in Article 7.4.4-FIELD OVERHEAD AND INDIRECT HOME OFFICE OVERHEAD FOR COMPENSABLE DELAYS, the Contractor shall be reimbursed for its field overhead based on:

A. Actual invoice costs for on-site field offices and temporary utilities as described in Section 015000, TEMPORARY FACILITIES AND UTILITIES.

B. Actual labor costs as shown in Exhibit C**,** GUARANTEED MAXIMUM PRICE, COST OF WORK AND FEE, for field office staff.

C. Fair rental values acceptable to the Construction Manager as described in Article 9.6-Cost Determination, for construction equipment idled due to the delay.

D. Actual Errors and Omissions insurance costs attributable to delay periods.

7.4.4.2 Indirect Home Office Overhead

For those delay periods as described in the introduction of Article 7.4.4-FIELD OVERHEAD AND INDIRECT HOME OFFICE OVERHEAD FOR COMPENSABLE DELAYS, the Contractor shall be reimbursed for its indirect home office overhead based on the following formula:

[Guaranteed Maximum Price ($) divided by the Contract Time Period (Calendar Days)] x 0.03 = Daily Indirect Home Office Overhead ($/Calendar Day)

As it is impractical to determine the actual home office overhead, such reimbursement shall encompass full payment for any and all indirect home office overhead expenses for such periods of time for the Contractor and all subcontractors. Distribution of the markup amount among the Contractor and all subcontractors and suppliers is the responsibility of the Contractor.

7.5 Liquidated Damages

City and the Contractor recognize that time is of the essence of this Agreement and that the City will suffer financial loss if the Work is not completed within the times specified in Exhibit H-COMPLETION TIMES AND LIQUIDATED DAMAGES**,** plus any extensions thereof allowed in accordance with Article 7.4-TIME EXTENSIONS. It is hereby understood and agreed that it is and will be difficult and/or impossible to ascertain and determine the actual damage which the City will sustain in the event of and by reason of the Contractor's failure to fully perform the Work or to fully perform all of its Agreement obligations that have accrued by the times for completion as specified in Exhibit H-COMPLETION TIMES AND LIQUIDATED DAMAGES.

It is, therefore, agreed in accordance with California Government Code Section 53069.85 that the Contractor will forfeit and pay to the City liquidated damages in the amount set forth in Exhibit F, COMPLETION TIMES AND LIQUIDATED DAMAGES, per day for each and every calendar day that expires after the times for completion specified for each construction milestone except as otherwise provided by extension of time pursuant to Article 7.4-TIME EXTENSIONS. It is further understood and agreed in accordance with California Government Code Section 53069.85 that the liquidated damages sum specified in this provision is not manifestly unreasonable under the circumstances existing at the time this Agreement was made, and that the City may deduct liquidated damages sums in accordance with this provision from any payments due or that may become due the Contractor.

Liquidated damages will continue to accrue at the stated rate until the completion of any defined completion milestone(s) and Final Completion of Work, all as set forth in Exhibit H, COMPLETION TIMES AND LIQUIDATED DAMAGES. Accrued liquidated damages may be deducted by the City from amounts due or that become due to the Contractor for performance of the Work. Liquidated damages may not be waived or reduced by the City unless expressly waived or reduced in writing by the City.

ARTICLE 8 - PAYMENT AND COMPLETION

8.1 Guaranteed Maximum Price ("GMP") and GMP Shared Savings

CITY shall pay for CONTRACTOR's performance under this Agreement the Cost of the Work and Fee (as described in Exhibit C-GUARANTEED MAXIMUM PRICE, FEE, AND COST OF WORK hereto);

provided, however, that the sum of the Cost of the Work and the Fee shall not exceed the GMP, as adjusted by Change Order/Directive in accordance with the Contract Documents. CONTRACTOR bears the risk of its increased costs due to market price increases (including escalating costs for materials).

8.2 Shared Savings

CONTRACTOR shall be compensated for actual work completed based on the Cost of Work and Fee up to the amount of the GMP. If CONTRACTOR's actual total Cost of the Work and Fee is less than the GMP, upon Final Completion, the CONTRACTOR shall be entitled to receive a negotiated percentage of the GMP Savings as described in Exhibit C-GUARANTEED MAXIMUM PRICE, FEE, AND COST OF WORK hereto. "GMP" Savings shall mean the positive difference, if any, when the actual Total Cost of the Work and Fee is subtracted from the GMP; provided, however, that unused Allowance monies, if any, shall not be subject to shared savings.

8.3 Schedule of Values

Contractor will be required to submit a complete schedule of values upon selection of proposal to facilitate contract negotiation within ten (10) days of notice. Schedule of values should set forth the various portions of the Work, and the portions of the GMP allocated to each portion.

8.4 Applications for Payment

CONTRACTOR shall deliver to CITY not more than once each month an Application for Payment covering the Cost of Work and Fee applicable to the Work performed during the immediately preceding month. With each Application for Payment CONTRACTOR shall submit such evidence as may be necessary to demonstrate costs incurred on account of Cost of the Work during such month and the percentage of completion of each category of Work. CITY may reject requests for payment, or portions thereof, for Work, or portions thereof, not performed or completed.

8.5 Amount of Progress Payments

CITY shall pay CONTRACTOR the actual Cost of the Work and Fee, if any, through the period covered by the Application for Payment, less Retention as set forth in Article 8.6 below, provided that the aggregate payment amount before retention will not exceed the percentage of completion of the Work multiplied by the GMP (excluding items of the GMP not subject to retention). CITY may additionally withhold from progress payments such amounts pursuant to stop payment notice claims as required by law and CITY administrative regulation 4.01.

8.6 Retention, Escrow Agreement, Final Payment

Five percent (5%) Retention shall be withheld from each progress payment until the expiration of thirty-five (35) days following the recordation of the notice of completion; provided however, CITY shall continue to retain such amount as required by law and/or CITY administrative regulation 4.01. CONTRACTOR may elect to establish an escrow account for securities in-lieu of the five percent (5%) Retention in a form of escrow agreement compliant with law and subject to approval by the CITY Attorney (form of escrow agreement is attached as Exhibit F–IN LIEU OF SECURITIES ESCROW AGREEMENT. Release of Retention monies shall constitute the Final Payment.

8.7 Early Release of Subcontractor Retention. [reserved]

8.8 Payment for On-Site and Off-Site Stored Materials.

8.8.1 Payment for Materials:

8.8.1.1 Payment may be made for those materials delivered to the site but not incorporated in the work to the extent that the materials are included in the Construction Schedule as cost-loaded material delivery activities.

8.8.1.2 Payment for materials delivered will not be made before the respective shop drawings, installation instructions and O&M manuals have been submitted, reviewed, and accepted in accordance with Section 01330, Submittal Procedures.

8.8.1.3 To receive payment for materials delivered to the site, but not incorporated in the work, it shall be necessary for the CONTRACTOR to submit to the ENGINEER, at least 7 days prior to the end of said month, a list of such materials.

8.8.1.4 At their sole discretion, the ENGINEER will approve items for which payment as for On-Site and Off-Site Stored Materials is to be made.

8.8.1.5 The list of materials and invoices shall be clearly identified by referencing the associated activity on the cost loaded schedule.

8.8.1.6 Payment for materials delivered to the site or a bonded warehouse will be made in an amount equal to the respective suppliers' invoices(s) for the actual net cost for the item(s) delivered plus delivery charges in accordance with payment terms of the Agreement.

8.8.1.7 The CONTRACTOR's actual net cost for the materials must be supported by invoices of suppliers.

8.8.2 Proper storage and protection of materials shall be provided by the CONTRACTOR. Final payment shall be made only for materials actually incorporated in the work and, upon acceptance of the work, all materials remaining for which advance payments had been made shall revert to the CONTRACTOR, unless otherwise agreed, and payments made for these items shall be deducted from the final payment for the work.

8.9 Title to Construction Work

CONTRACTOR warrants that title to all Construction Work covered by an Application for Payment shall pass to CITY no later than the time of payment. CONTRACTOR further warrants that upon submittal of an Application for Payment, all Construction Work for which Applications for Payment have been previously issued and payments received from CITY shall, to the best of CONTRACTOR's knowledge, information and belief, be free and clear of liens, claims, security interests or encumbrances in favor of CONTRACTOR, Subcontractors, material suppliers, or other persons or entities making a claim by reason of having provided labor, materials or equipment relating to the Construction Work.

8.10 Withholding of Payment

CITY may withhold payment on account of an Application for Payment if required or authorized by any Applicable Law, or to the extent necessary to protect CITY from loss because of:

A. defective Work not remedied;

B. third party claims filed or reasonable evidence indicating probable filing of such claims;

C. failure of CONTRACTOR to make payments of undisputed amounts to Subcontractors for labor, materials or equipment;

D. damage to CITY or to a Separate Contractor caused by the fault or neglect of CONTRACTOR to the extent not reimbursed by insurance; or

E. reasonable evidence that the Work will not be Substantially Completed within the Contract Time due to Inexcusable Delay, and that the unpaid balance of the GMP would not be adequate to cover liquidated damages for the anticipated Inexcusable Delay.

8.11 Failure of Payment; Interest

In accordance with Public Contract Code §20104.50, CITY shall pay CONTRACTOR interest on any progress payment, which is made by CITY more than thirty (30) days after CITY receives an undisputed and properly submitted written payment request. Said interest shall be equal to the rate set forth in Code of Civil Procedure §685.010(a), and shall begin to accrue upon the expiration of said thirty (30) day period. Any written request for a progress payment which CITY determines to be disputed, improper or not suitable for payment for any reason shall be returned to CONTRACTOR within seven (7) days after receipt by CITY, along with a written statement of the reason or reasons why such request is disputed, improper or not suitable for payment.

8.12 Occupancy by CITY Prior to Acceptance

CITY reserves the right to Beneficial Occupancy and without charge by CONTRACTOR. In those areas of the Work which are completed, CITY may store materials, equipment, and supplies, and may perform partial operation.

8.13 Substantial Completion

When CONTRACTOR considers the entire Work complete and ready for its intended use, CONTRACTOR shall certify in writing to CITY that the entire Work is substantially complete provide CITY with a Certificate of Substantial Completion. Within a reasonable time thereafter, CITY and CONTRACTOR shall make an inspection of the Work to determine the status of completion. If CITY does not consider the Work substantially complete, CITY will notify CONTRACTOR in writing giving reasons therefor. If CITY considers the Work substantially complete, CITY will accept a corresponding partial Certificate of Substantial Completion. There shall be attached to the Certificate a Punch List of items to be completed or corrected before Final Acceptance and Final Payment.

8.14 Final Completion

When the Work is fully completed, CONTRACTOR shall provide CITY with a Certificate of Final Completion and shall request final inspection in writing. Additionally, CONTRACTOR shall provide legally effective releases or waivers satisfactory to CITY of all lien rights arising out of or liens filed in connection with the Work. Within ten (10) calendar days of receipt of such completed request form, CITY shall make final inspection. If following final inspection, CITY determines that the Work (including all Punch List items) has been fully completed, CITY will process a Notice of Completion. If CITY determines that the Work is not complete after receipt of certification from CONTRACTOR, CONTRACTOR shall be notified in writing of deficiencies. After the deficiencies have been corrected, the procedure for final inspection as set forth above shall again be initiated by CONTRACTOR. In the event CITY determines the Work is fully completed, CITY shall initiate process of attaining a notice of completion.

8.15 Waiver of Claims at Final Payment

Acceptance of final payment by CONTRACTOR shall constitute a waiver of all claims by CONTRACTOR, except those previously made in writing and identified as unsettled at the time of final payment.

8.16 Construction Allowance Items

CITY shall pay for CONTRACTOR's performance under this Agreement the Cost of the Work and Fee (as described in CONSTRUCTION ALLOWANCE ITEMS AND AMOUNTS hereto); provided, however, that the sum of the scope of work is needed, approved by City, and executed by contractor and provided that the actual total cost of each allowance item shall not exceed the approved Allowance Amount of each, as adjusted by Change Order/Directive in accordance with the Contract Documents. CONTRACTOR bears the risk of its increased costs due to market price increases (including escalating costs for materials).

8.17 Contingency [reserved]

8.18 Audits and Access to Records.

The Contractor must maintain all books, records, documents, and other evidence directly pertinent to the performance of the Work in accordance with generally accepted accounting principles and practices. The Contractor must also maintain all financial information and data used by the Contractor in the preparation or support of any cost submission, including the Contractor's estimate, any Change Order, Dispute, Claim, Pay Application, or other request for equitable adjustment. City and its representatives will have access upon five (5) business days advanced written notice, during normal business hours, to all Contractor's books, summary reports, records, accounts, estimates, documents, detailed financial information, certified payroll records, AIS records and all other information and documentation relevant to the Work for the purposes of inspection, audit, and copying. The Contractor will, at no cost to City, provide reasonable facilities for such access, and inspection purposes. The City will arrange for and pay all costs of copying.

The Contractor agrees to include and make the requirements of this article, applicable to all subcontractors listed in their DESIGNATION OF SUBCONTRACTORS list.

Audits conducted pursuant to this article, will be in accordance with general accepted auditing standards and established procedures and guidelines of the reviewing or audit agency.

The Contractor agrees to provide requested information and reports resulting from access to records to City, subject to execution of an appropriate confidentiality order if requested.

Records must be maintained and made available during the performance of the Work and for four (4) years after Final Payment, and until final settlement of all Disputes or Claims, whichever occurs later.

The right of access provisions of this article, applies to all financial records pertaining to the Agreement:

A. To the extent the records pertain directly to Agreement performance;

B. To the extent required for verification of the costs incurred where such costs are the basis for billings pursuant to the Agreement including Change Orders;

C. To the extent there is credible evidence that Contractor has violated the federal False Claims Act and the California False Claims Act or that fraud, gross abuse, or corrupt practices may be involved; and

D. If the Agreement is terminated for default or convenience.

Access to records is not limited to the required retention periods. City's Authorized Representative or designee must be granted access to records at any reasonable time for as long as the records are required to be maintained.

In the event that City's audit determines that Contractor has billed for any costs that are ineligible for reimbursement or for any reason should not have been paid, or the Contractor's fee has been improperly applied or calculated, Contractor shall promptly refund all improper payments following receipt of City's written notice and explanation of the alleged overpayments or improper fee and shall be responsible to pay City for the City's reasonable costs to perform the audit unless the Contractor establishes that the overpayment or improper fee was the result of an unintentional, inadvertent clerical error.

ARTICLE 9 - CHANGES IN THE WORK

9.1 Contract Held Valid.

Any change in the Scope of Work or deviation from the Contract Documents including, without limitation, Extra Work or Omitted Work, shall not invalidate the original Contract, and shall be performed under the terms of the Contract Documents. The difference in cost of the work affected by such change will be added to or deducted from the Guaranteed Maximum Price (GMP), as the case may be.

9.2 Execution of Changes

A. Only the Contractor or the City may initiate changes in scope of Work or deviation from Contract Documents.

B. Changes in the Work may be accomplished after execution of the Contract where they are documented by an executed Field Directive, Field Order, or Change Order in accordance with applicable provisions of the Contract Documents.

C. Changes in the Work shall be performed under applicable provisions of the Contract Documents. If unit prices are stated in the Contract Documents or subsequently agreed upon, and if quantities originally contemplated are so changed in a proposed Change Order or Change Directive that application of such unit prices to quantities of Work proposed will cause substantial inequity to CITY or CONTRACTOR, the applicable unit prices for such change order/directive shall be equitably adjusted. No GMP adjustment on account of a Change Order shall include CONTRACTOR's or Subcontractor's profit, Fee, home office overhead or a formula allocation of indirect costs unless otherwise specifically allowed hereunder.

D. The prices agreed upon and any agreed upon adjustment in Contract Time shall be incorporated in the written order issued by the City, which shall be written so as to show acceptance on the part of the Contractor as evidenced by its signature. By signature of the Change Order, the Contractor acknowledges that the adjustments to the GMP and Contract Time contained in the Change Order are in full satisfaction and accord and so waives any right to claim any further cost and time impacts at any time during and after completion of the Contract for the changes encompassed by the Change Order.

9.3 Definitions

9.3.1 Incidental Work

Incidental work includes reasonably implied parts of the work not shown on Drawings nor described in Specifications, but which is necessary or normally or customarily required as a part of the Work shown

on the Drawings or described in the Specifications to provide a complete installation which is fully connected and tied into the existing facilities and processes and is fully functional and operational. Incidental work shall be treated as if fully described in Specifications and shown on Drawings, and expense thereof shall be included in the Guaranteed Maximum Price (GMP). Incidental work shall be performed by Contractor and included in the Cost of the Work without an increase in the GMP.

9.3.2 Extra Work

New or unforeseen work, or added work of a different character or function; or that involves revisions of the details of the Work on which Contractor based its GMP. If the extra work increases the Contractor's Cost of the Work and/or time to perform the Work, and is approved by the City via a written Change Order, the GMP and/or Contract Times shall be adjusted as provided in the Contract Documents. Extra Work shall not include Work which is shown, detailed or specified in the Contract Documents or which constitutes "Incidental Work" as defined within the Contract Documents definition above.

9.4 Change Directives

Changes in the Work may be directed by a Construction Change Directive prepared and signed by the OWNER'S REPRESENTATIVE. A Construction Change Directive signed by the CONTRACTOR indicates agreement of the CONTRACTOR with the actions specified in the Directive, including the inclusion or absence of an adjustment in Contract Amount or Contract Time or the method for determining them. The following procedures shall apply with respect to Change Directives.

A. Upon receipt of a Change Directive signed by CITY, CONTRACTOR shall promptly proceed with the change in the Work involved and advise CITY of CONTRACTOR's agreement or disagreement with the method, if any, provided in the Change Directive for determining the proposed adjustment in the GMP or the Schedule. If CONTRACTOR receives a written communication signed by CITY which CONTRACTOR believes is a Change Directive but is not so identified, it shall not proceed with the change in the Work until it receives from CITY a written confirmation that such communication is in fact a Change Directive.

B. A Change Directive signed by CONTRACTOR indicates the agreement of CONTRACTOR with the contents thereof, and shall convert the Change Directive to a Change Order.

C. If CONTRACTOR does not respond promptly or disagrees with the method for adjustment in the GMP or Schedule, the method and adjustment shall be determined as provided in these contract documents. In such case, CONTRACTOR shall keep and present, in such form as CITY may request, an itemized accounting, together with appropriate supporting data.

D. Pending final determination of cost to CITY, amounts not in dispute shall be included in Applications for Payment. The amount of credit to be allowed by CONTRACTOR to CITY for a deletion or change which results in a net decrease in the GMP shall be actual net cost. When both additions and credits covering related Work or substitutions are involved in a change, the allowance for Fee shall be figured on the basis of net increase, if any, with respect to that change.

E. If CITY and CONTRACTOR do not agree with the adjustment in the Schedule or the GMP, such disagreement shall be submitted for dispute resolution in accordance with the provisions of this Contract.

9.5 Contract Modification Procedures

9.5.1 Request for Proposal (RFP)

A. The City may issue a Request for Proposal (RFP) to the Contractor in connection with the City considering an addition to, or deletion from, or other change in the Work. RFPs shall not be deemed to be directions to proceed with any addition, deletion or change to the Work.

B. Whenever the Contractor is required to prepare a cost proposal in response to an RFP, and whenever Contractor is entitled to submit a cost proposal and elects to do so, Contractor shall prepare and submit to City for consideration a cost proposal using a form provided by the CM or the Contractor may submit another form if deemed acceptable to the Construction Manager. All cost proposals must contain a complete breakdown of costs of credits, deducts, and extras; and itemize materials, labor, equipment, special services, taxes, and markups. All Subcontractor Work shall be so indicated. Individual entries on the Cost Proposal form shall follow the cost items defined in Cost Determination in this Section. The Contractor shall provide all required cost information requested by an RFP within fourteen (14) days after receiving the RFP.

C. Upon receipt of the Contractor's cost proposal, which shall include a detailed itemized breakdown as prescribed in this Section, the Construction Manager will act promptly thereon. If Construction Manager takes no exception to the cost proposal, Construction Manager will prepare Change Order for City and Contractor signatures, provided that City has elected to proceed with the changed Work. If a cost proposal is not acceptable to the Construction Manager, the Construction Manager will indicate to Contractor the unacceptable items in the proposal. Except as otherwise provided in this Section, Contractor shall have seven (7) days in which to respond to Construction Manager with a revised cost proposal.

D. If the parties do not agree on the price or time adjustment in response to an RFP, City may issue a unilateral change order pursuant to the Agreement, Article 9.5.3-FIELD ORDER-FORCE ACCOUNT WORK. Contractor shall perform the changed Work, notwithstanding any claims or disagreements of any nature, with the understanding that it preserves all rights to pursue adjustments to the GMP and/or Contract Time in connection with the change.

E. When the necessity to proceed with a change does not allow the Construction Manager sufficient time to conduct a proper check of the Contractor's cost proposal (or revised cost proposal), Construction Manager may order Contractor to proceed with the change, with the understanding that parties will negotiate in good faith to determine the value of the change at the earliest practical date. In this event, the value of change, with corresponding equitable adjustment to the GMP, shall not be more than any increase or less than any decrease proposed by the Contractor's cost proposal.

9.5.2 Field Directive/Supplemental Instruction Resulting from RFI's, Submittals or other instructions from the Engineer and/or City

A. The Contractor may be issued a Field Directive or Supplemental Instructions resulting from an RFI, Submittal or other instructions from the Engineer and/or City.

B. If the Contractor is satisfied with Field Directive or Supplemental Instruction and does not request change in the GMP or Contract Time, then the Field Directive or Supplemental Instruction shall be executed by the Contractor without a Change Order.

C. If the Contractor believes the Field Directive/Supplemental Instruction results in additional Cost of the Work or a change in the GMP or Contract Time, then Contractor must notify the Construction Manager within ten (10) days following receipt of Field Directive/Supplemental Instruction and before proceeding with this work. If the

Construction Manager considers Contractor's notice to be justified, the instructions of the Field Directive/Supplemental Instructions will be revised or a proposed Change Order will be issued for the City's consideration. The Contractor shall have no claim for additional compensation or extension of the schedule because of any such additional instructions unless the Contractor provides the Construction Manager written notice thereof within the time frame specified above, unless the City is not Prejudiced by Contractor's untimely notice In addition, the Contractor shall within fifteen (15) days from the date of the Contractor furnishing written notice provide a detailed justification and analysis as well as estimated pricing and Time Impact Analysis to support any request for time extension. Should the work at issue impact Contractor's operations for a period longer than fifteen (15) days, Contractor shall update its request for additional compensation and/or additional time, every thirty (30) days until the disputed work is no longer allegedly impacting Contractor's operations. In addition, Contractor shall comply with the requirements of the Agreement concerning Records of Disputed Work and Submission of Disputed Work Costs, respectively.

D. Should the Contractor proceed with the work affected before receipt of a response from the Construction Manager, any portion of the work which is not done in accordance with the City's interpretation, clarifications, instructions, or decisions is at Contractor's risk.

E. If the Contractor and Construction Manager still do not agree on the Field Directive's impact to the GMP or Contract Time, then Contractor may appeal to the Engineer for decision. If the Engineer concurs with the Construction Manager's position, the Contractor will be directed again in writing to make the changes covered in the Field Directive/Supplemental Instructions and Contractor shall do so notwithstanding any claims or disagreements of any nature. Contractor may file a Notice of Potential Claim and Claim in accordance with the Agreement.

9.5.3 Field Order- Force Account Work

A. If either the amount of work or payment for a Change Order cannot be determined or agreed upon beforehand, the City may direct by issuing a unilateral Change Order or Field Order that the work be done on a force account basis. The term "force account" shall be understood to mean that payment for the work will be made based on an accounting of the Contractor's Cost of the Work as described in the Agreement, Exhibit C-Guaranteed Maximum Price, Cost of Work and Fee, and Article 9.6-Cost Determination.

B. Prior to the commencement of force account work, the Contractor shall notify the Construction Manager of its intent to begin work. The Contractor shall maintain accurate cost records, separate from the cost categories for the balance of the Work, which depict all costs incurred for the authorized force account work. Upon request by the Construction Manager or City, these cost records must be made available for review as provided in the Agreement.

C. All subcontractors that expend labor, equipment and materials on force account work shall record those costs daily by using a form provided by or approved by the Construction Manager. The subcontractor reports, if found to be correct, shall be signed by the subcontractor, Contractor and Construction Manager, or inspector, and a copy of which shall be furnished to the Construction Manager no later than the working day following the subcontractor's performance of said work. The Daily Extra Work Report sheet shall thereafter be considered the true record of force account work provided by the subcontractor. If the Construction Manager, or inspector, does not agree with the labor, equipment and/or materials listed on the subcontractor's daily force account report, the

Construction Manager, or inspector, shall sign-off on the items on which they are in agreement. The Construction Manager shall then review the items of disagreement and will advise the Contractor, in writing, of its determination. If the Contractor disagrees with this determination, it shall have the right to file a claim notice per the Agreement.

D. The Contractor shall maintain its records in such a manner as to provide a clear distinction between the direct costs of subcontractor work paid for on a force account basis and the costs of other operations.

E. To receive partial payments and final payment for force account work, the Contractor shall submit, in a manner approved by the Construction Manager, detailed and complete documented verification of the Contractor's and any of its subcontractor's Costs of the Work involved in the force account pursuant to the pertinent unilateral Change Order or Field Order. Such costs shall be submitted within thirty (30) days after said work has been performed. No payments will be made for work billed and submitted to the Construction Manager after the thirty (30) day period has expired, unless City is not prejudiced by Contractor's untimely billing and submittal of costs.

9.5.4 Construction Change Directive (CCD)

A. CCD is a written order prepared by the Construction Manager and signed by the City, directing a change in the Work and stating a proposed basis for adjustment, if any, in the Contract Price or Contract Time.

B. If at any time the City believes in good faith that a timely Change Order will not be agreed upon using the foregoing procedures, the City may issue a CCD with its recommended cost and/or time adjustment. Upon receipt of CCD, Contractor shall promptly proceed with the change of Work involved and concurrently respond to City's CCD within ten (10) calendar days.

C. Contractor's response must be any one of following:

1. Return CCD signed, thereby accepting City's response, time, and cost.
2. Submit a (revised if applicable) Cost Proposal with supporting documentation (if applicable, reference original Cost Proposal number followed by letter A, B, etc. for each revision), if City so requests.
3. Give notice of intent to submit a Claim as described in the Agreement.

D. If the CCD provides for an adjustment to the Contract Sum, the adjustment shall be based on one of the following methods:

1. Mutual acceptance of a lump sum properly itemized and supported by sufficient substantiating data to permit evaluation.
2. Unit prices stated in the Contract Documents or subsequently agreed upon.
3. Cost to be determined in a manner agreed by the City and Contractor.
4. Cost to be determined pursuant to Article 9.6-Cost Determination.

E. A CCD signed by Contractor indicates the agreement of Contractor therewith, including adjustment in Contract Sum and Contract Time or the method for determining them. Such agreement shall be effective immediately and shall be recorded as a Change Order.

F. If Contractor does not respond promptly or disagrees with the method for adjustment in the Contract Sum, the method and the adjustment shall be determined by Construction Manager on the basis of reasonable expenditures and savings of those performing the Work

attributable to the change including, in case of an increase in the Contract Sum, an allowance for overhead and profit in accordance with Articles 9.6.3 and 9.6.4-Allowable Markups. If the parties still do not agree on the price for a CCD, Contractor may file a Claim in accordance with the Agreement. Contractor shall keep and present, in such form as Construction Manager may prescribe, an itemized accounting together with appropriate supporting data. Unless otherwise provided in the Contract Documents, costs for the purposes of this paragraph shall be limited to those provided in Article 9.6-Cost Determination.

G. Pending final determination of cost to the City, amounts not in dispute may be included in Applications for Payment.

9.5.5 Documentation for All Changes

A. Upon request of the Construction Manager, the Contractor shall provide the following information to support the request for change in cost or time:

1. Copy of original quotations, purchase order or invoices to verify costs included in original pricing.
2. Copy of all quotations, purchase order or actual invoices to support new costs submitted.
3. Copy of all insurance and bond costs resulting from change.
4. Copy of all quantity takeoff sheets for materials, labor and equipment.
5. Certified payroll records.
6. A list of equipment with manufacturer's name and model number and the alphanumeric designation used in the Equipment Rental Rates prepared by the California Department of Transportation, unless the equipment is included in the Agreement, Exhibit C-Guaranteed Maximum Price, Cost of Work and Fee.
7. Invoices for all non-owned rental equipment.
8. Other information, as reasonably required, to document the labor, equipment and materials used.

B. Correlation of Other Items:

1. Contractor shall revise Application for Payment forms to record each authorized Change Order or CCD as a separate line item and adjust the GMP on the next monthly progress billing.
2. Contractor shall revise the Progress Schedules prior to the next monthly pay period to reflect the effects of all authorized Change Orders or CCDs.
3. Contractor shall enter changes in Project Record Documents prior to the next monthly pay period and provide a copy to the Engineer with progress billing.

9.6 Cost Determination

With respect to Change Orders which increase or decrease the Scope of Work described in Exhibit B-Contractor's Technical Proposal, are not due to the errors or omissions of CONTRACTOR and are not attributable to Excusable Delays or the contingencies set forth in Article 9.7 below, the GMP shall be increased (or decreased) by the following "Scope Change Costs":

9.6.1 Contractor's Direct Cost Categories

The Contractor's allowed direct costs are found in the Agreement, Exhibit C-Guaranteed Maximum Price, Cost of Work and Fees.

9.6.2 Subcontractor's Direct Cost Categories

The categories described below are defined to be direct costs for subcontractors at all tier levels.

No other type of costs will be allowable as a direct cost. Direct costs shall not include any labor costs or indirect costs pertaining to the subcontractor's managers or superintendents, their office and engineering staffs, the cost of their offices, facilities, vehicles, or anyone not directly employed on such work, nor small tools (as defined in item C-Subcontractor's Construction Equipment Rental Cost of this Article 9.6.2) nor supplies. All such items are considered indirect costs which form a part of the Contractor's and subcontractors' overhead expenses.

A. Subcontractor's Direct Field Labor

1. The cost of labor for workers (including forepersons when authorized by the Construction Manager) used in actual and direct performance of the work by the subcontractor will be the sum of the following:

    a. The actual wages paid plus any employer payments to, or on behalf of workers for fringe benefits including health and welfare, pension, vacation and similar purposes.

    b. All payments imposed by State and Federal Laws including, but not limited to, workers' compensation insurance, and social security payments. The rates used for workers' compensation insurance shall be actual rates paid by the subcontractor for each specific craft and broken down by wage rate if applicable to that craft.

    c. General Liability insurance burden, if applied to subcontractor's payroll. By formal submittal, the subcontractor shall provide adequate backup information to Construction Manager to verify this burden rate is indicative of the actual rates paid by the Contractor as a percent of labor.

2. Except as otherwise may be agreed to in writing by the Construction Manager, the actual wages and benefits paid for manual classifications of subcontractor's on- site workers will not, in the aggregate, be less than the current applicable wage for each classification as established by the State of California Department of Industrial Relations.

3. Specifically prohibited from the subcontractor's labor costs are other payroll burden factors such as small tools (as defined in item C below), bonuses of any kind and safety incentives.

4. Subcontractor shall include the actual travel and/or subsistence costs, if any, as a separate line item under the labor cost category. Except as otherwise may be agreed to in writing by the Construction Manager, the actual travel and/or subsistence costs will not be less than established in the State of California Department of Industrial Relations.

B. Subcontractor's Materials

1. The cost of all materials, including all factory testing, freight and delivery costs of materials, accepted by the City and used in performing the work will be the cost to the subcontractor from the supplier thereof. All discounts for early payment shall accrue to

the subcontractor unless the City's payment to subcontractor is paid to subcontractor before discount payment is due in which case discount savings will be fully credited to City on next progress billing. All rebates and all returns from the sale of surplus materials shall be credited to the Cost of the Work.

2. At the request of the Construction Manager, the subcontractor will obtain more than one quote for materials to be used to complete change order or force account work. Copies of all quotes shall be shown to the Construction Manager.

3. For materials used in construction of the Project which may have additional uses on other projects for the subcontractor's benefit, such as dimensional lumber, beams and plywood to form concrete or temporary diversion pipes, the subcontractor shall submit a material unit cost to cover use of these types of materials for the approval of the City prior to delivery to the Work Site. This unit cost shall take into account the use of such materials on other past and future projects.

C. Subcontractor's Construction Equipment Rental Cost

1. The cost of construction machinery and equipment for changes shall be based on fair rental cost or equivalent rental cost of owned equipment. Such costs will be allowed for only those days or hours during which the equipment is in actual use. Payment shall be based on actual rental and transportation invoices but shall not exceed the rental rates listed for such equipment in the State of California Department of Transportation publication entitled "Labor Surcharge and Equipment Rental Rates" which is in effect on the date upon which the work is performed. City-operated equipment rates shall not exceed the rates in the aforesaid Rental Rate publication plus the labor costs as provided in this section.

2. The aforesaid rental rates shall be deemed to include the cost of fuel, power, oil, lubrication, supplies, small tools, necessary attachments, repairs and maintenance of all kinds, depreciation, storage, insurance, labor except for construction equipment operators and any and all costs to the subcontractor incidental to the use of such construction equipment. All equipment must be in good working condition and suitable for the purpose for which it is to be used, as judged solely by the Construction Manager. Rental time will not be allowed while equipment is inoperative due to breakdowns.

3. Compensation for idle time of equipment through delays caused by the City will be made consistent with Section 8-1.09, Right of Way Delays, of the Caltrans Standard Specifications.

4. Small Tools. Individual pieces of equipment or tools having a replacement value of $500 or less, whether or not consumed by use, are considered to be small tools and no rental payment will be made unless it can be demonstrated that the particular item is needed and purchased by the subcontractor solely for the completion of the Change Order work.

5. The rental time to be paid for equipment used to complete change order and force account work will be the time the equipment is in operation on the change order or force account work being performed or an approved outside rental rate from an equipment rental company provided such rental rate was approved by the Construction Manager prior to the equipment's transportation to the project for use in the change order or force account work.

6. For equipment not already on the project site to complete other portions of the Work, loading and transporting costs will be allowed for equipment approved by the

Construction Manager to complete change order or force account work. The cost of transporting equipment in low bed trailers shall not exceed the hourly rates charged by established haulers in the area. The cost of transporting equipment shall not exceed the applicable minimum established rates of the California Department of Transportation.

D. Special Services used by Subcontractor

When the Construction Manager and the Contractor, by agreement, determine that special service or item of extra Work cannot be performed by forces of a subcontractor, service or extra Work item may be performed by a specialist. These types of services will be paid based on current market rates, subject to Construction Manager approval, which approval will not unreasonably be withheld.

9.6.3 Allowable Mark-Ups - Contractor

The Contractor's allowed mark-ups are found in Exhibit C Guaranteed Maximum Price, Cost of Work and Fees.

9.6.4 Allowable Mark-Ups – Contractor's Subcontractor(s)

The subcontractors shall be entitled to compensation for indirect field and home office overhead costs, and profit for Change Order work. This compensation shall be in the form of markup percentages applied to the direct cost of the Change Order increase or decrease of work, as further described below. The maximum markup which will be allowed for the subcontractor's combined overhead and profit will be:

A. For work by its own organization, the subcontractor may add up to the following percentages:

- Direct Field Labor: 15 percent
- Materials: 10 percent
- Equipment (owned or rented): 10 percent
- Special Services: 5 percent

B. For all such work done by subtier-subcontractors, such sub-subcontractors may add the same percentages as the subcontractor as listed in (9.6.4.A) above to its actual net increase in costs for combined overhead and profit. The subcontractor may then add up to five percent (5%) of the sub-subcontractor's total for its combined overhead and profit. No additional mark-ups will be allowed for further tier-ed subcontracts below a sub-subcontractor.

C. When both additional and deleted work are involved in any one change order, the combined overhead and profit shall be calculated on the basis of the net change, whether an increase or decrease. For Change Order work which results in a net decrease in cost a minimum of five percent (5%) markup shall be added by the subcontractor to the sum of the direct labor, materials and equipment as a deduction for overhead, profit, and reduction in bond and insurance. The subcontractor shall not be entitled to nor claim for anticipated profits on work that has been omitted.

D. To the total of the subcontractor's actual costs and fees allowed herein under, not more than two percent (2%) shall be added for additional bonds, if bonds were required by the Contractor. The compensable percentage for the subcontractor's bonds shall be based on the subcontractor's actual bond costs, as substantiated through documentation formally submitted to the Construction Manager.

E. The added fixed fees shall be considered to be full compensation, covering the cost of general supervision, overhead, profit, small tools, incidentals and any other general

expenses. The above fixed fees represent the maximum limits which will be allowed, and they include, but are not limited, to the subcontractors' indirect field and home office expenses and all other costs for cost proposal preparation, schedule analysis and preparation, operation and maintenance manual documentation, and record documents and change order administration.

9.6.5 Materials On Order at Time of Change Order

If acceptable material is ordered by the subcontractor for the deleted work prior to the date of notification of such deletion by the Construction Manager, and if orders for such material cannot be canceled, the subcontractor will be paid at the actual cost. In such case, the material paid for shall become the property of the City and City will pay for the actual cost of any further handling. If the material is returnable to the vendor, and if the Construction Manager so directs, the material shall be returned and the subcontractor will be paid for the actual costs of charges made by the vendor for returning the material. The actual cost of handling returned material will be paid for by the City.

9.6.6 Disallowed Costs in Change Order and Force Account Work

Disallowed subcontractor costs in Change Orders include, but are not limited to:

A. Interest cost of any type other than those mandated by statute;

B. Change Order preparation and review costs;

C. Meetings related to Change Orders;

D. Schedule preparation costs;

E. Submittal preparation costs;

F. Accounting and Invoicing costs related to Change Orders;

G. Developing and/or updating as-built drawings.

9.7 Change Orders on Account of Contingencies

With respect to Change Orders which are attributable to the following contingencies, the GMP shall be adjusted (increased or decreased) by the following **"Contingency Costs,"** consisting of the following:

9.7.1 Taxes

With respect to new, increases, or decreases in taxes arising after the date of this Agreement (other than taxes assessed based on the income of CONTRACTOR), the Change Order shall consist of the incremental amount of such new, increased or decreased taxes only.

9.7.2 Permit Fees

With respect to increases or decreases in fees for permits or other governmental certificates or instruments arising after the date of this Agreement, the Change Order shall consist of the incremental amount of such increases or decreases. To the extent this Agreement states that a permit or certificate is not required and CONTRACTOR is later required to procure such permit or certificate, all out-of-pocket costs reasonably associated therewith shall be included in the Change Order

9.8 Change Orders on Account of Excusable Delays

9.8.1 Construction Delay Costs

With respect to Change Orders, which are attributable to Excusable Delays, and subject to the exceptions set forth in Article 9.8.2 below, the GMP shall be increased by the following "Delay Costs":

A. Increased allowable labor costs resulting from wage increases paid due to the delay;

B. Premiums for overtime and extra shifts incurred in accelerating the Work, but only if acceleration is required in advance by CITY;

C. Additional general conditions costs which would not have been incurred but for the delay (itemized, and not based on a formula allocation);

D. Demobilization and remobilization costs; and

E. Additional items of Cost of the Work attributable to the Excusable Delay and which would not have been incurred but for the Excusable Delay.

9.8.2 Exceptions

With respect to the Excusable Delays described in Article 7.4.2, the following exceptions to the cost provisions of Article 9.8.1 above shall apply:

A. Failure or inability of CITY to make available any or all of the Site in accordance with the requirements of the Schedule is not a compensable delay if such Excusable Delay occurs prior to the commencement of the Construction Work.

B. Failure or inability of CITY or CONTRACTOR to obtain necessary zoning changes, variances, code changes, permits or approvals from any governmental authority; is not a compensable delay if such Excusable Delay occurs prior to the commencement of the Construction Work.

C. Changes in Applicable Laws. Additional compensation shall only be paid if the change in Applicable Law is not a change in law of general application (e.g., CAL/OSHA), but is a change in law specifically affecting the Project.

9.9 Change Orders on Account of Differing Site Conditions

If CONTRACTOR encounters conditions described in Article 7.3.3-Excusable Delays, in addition to the increase in the GMP on account of delay costs incurred by CONTRACTOR (as described in Section 9.8.1), the GMP shall also be increased by the additional Cost of the Work attributable to such conditions which would not have been incurred but for such conditions.

9.10 Cost Pricing Data and Access To Records

A. All cost and pricing data submitted by the Contractor with respect to any change, prospective or executed, or any claim for extra compensation shall be a true, complete, accurate and current representation of actual cost and pricing of the work. The Construction Manager may require a formal certification as to cost and pricing data submitted by the Contractor.

B. The Construction Manager shall have access to the records of Contractor and Subcontractors as provided in Article 8.18-Audits and Access to Records.

9.11 Time Extensions on Account of Change Orders.

CONTRACTOR shall be entitled to a time extension in connection with any Change Order to the extent its time of performance is extended due to such Change Order. CONTRACTOR shall present to CITY a CPM analysis showing how the Change Order affects the critical path of the Work.

9.12 Force Majeure

There shall be no additional compensation to CONTRACTOR on account of Force Majeure.

ARTICLE 10 - CORRECTION OF WORK

10.1 Correction of Work Prior to Completion

Prior to the date of Final Completion, CONTRACTOR shall correct Work which (a) CITY reasonably rejects as being defective or nonconforming to the requirements of the Contract Documents in a written notice delivered to CONTRACTOR or (b) CONTRACTOR recognizes is defective or nonconforming to the Contract Documents. If other portions of the Work are adversely affected by or are damaged by such defective Work, CONTRACTOR shall also correct, repair or replace such affected or damaged Work, as well as any other property of CITY or others damaged by such defective or nonconforming Work. Prior to the date of Final Completion, the cost of correcting any damaged or defective work shall be paid as a Cost of the Work.

10.2 Correction of Work After Completion

For defects identified by CITY and for which CITY has notified CONTRACTOR within a period of twelve (12) months after the date of Final Completion, or within such longer period as may be provided by special warranties contained in the Contract Documents, CONTRACTOR shall re-execute, correct, repair or replace all Work found to be defective or nonconforming to the Contract Documents (whether arising from a construction defect, error, omission or deficiency). If other portions of the Work are adversely affected by or damaged by such defective Work, CONTRACTOR shall also correct, repair or replace such affected or damaged Work, as well as any other property of CITY or others damaged by such defective or nonconforming Work.

10.3 Acceptance of Nonconforming Work

If CITY prefers to accept Work, which is not in accordance with the requirements of the Contract Documents, CITY may do so instead of requiring its removal and correction, in which case the GMP will be reduced as appropriate and equitable. Such adjustment shall be effected whether or not final payment has been made.

10.4 No Effect on Limitations

Nothing contained in this Article shall be construed to establish a period of limitation with respect to other obligations, which CONTRACTOR may have under the Contract Documents.

ARTICLE 11 - INSURANCE AND BONDS; INDEMNIFICATION

11.1 Insurance to be provided by CONTRACTOR

CONTRACTOR shall, at all times, maintain in full force and effect at a minimum the insurance required by this section; and CONTRACTOR shall not allow any subcontractor to commence Work until similar insurance required of the subcontractor has been obtained and filed.

11.2 Evidence of Coverage

CONTRACTOR shall, at all times, maintain in full force and effect at a minimum the insurance required by this section; and CONTRACTOR shall not allow any subcontractor to commence Work until similar insurance required of the subcontractor has been obtained and filed. An original Certificate of Insurance, and copies of all required endorsements, all in a form approved by the Risk Manager, evidencing all required coverage or policies shall be filed after the award of the bid and prior to approval of the Contract by the City Council. CONTRACTOR shall provide ten (10) Days prior written notice to CITY of any reduction of coverage limits or cancellation of the coverage or policies shall be given to the City of Roseville as Certificate holder.

11.3 Qualifying Insurers

With the exception of the State Compensation Insurance Fund, all required insurance policies shall be issued by companies licensed to do business in the State of California and who hold a current policy holders alphabetic and financial size category rating of not less than AVII according to the most recent issue of Best's Insurance Reports.

11.4 Summary of Insurance Requirements

Commercial General Liability, automobile liability, and worker's compensation insurance shall be maintained as shown in the table below.

Table 1: Summary of Insurance Required

Coverage	Limits
Commercial General Liability Major Construction Projects (Projects over $1,000,000)	$5,000,000 each occurrence $10,000,000 aggregate Personal Injury: $5,000,000 each occurrence $10,000,000 aggregate
Comprehensive Automobile Liability For bodily injury (including death) and property damage which provides	Total limits of not less than One Million Dollars ($1,000,000) combined single limits per accident, applicable to all owned, non-owned, and hired vehicles
Statutory Workers' Compensation and Employer's Liability Insurance	Limits of not less than One Million Dollars ($1,000,000) per occurrence.
Builder's Risk/Course of Construction Insurance	All Risk" type of builder's Risk Insurance of the type covering one hundred percent (100%) of the value of the Work performed under this Contract

11.4.1 Subcontractors

Minimum Amount of Coverage for Subcontractors who are NOT Listed Contractors included in Attachment 7 to the RFP "Statement of Subcontractors": The bodily injury, personal injury and property damage liability of the Commercial General Liability insurance shall provide coverage in the following limits of liability: $2,000,000 on account of any one occurrence for bodily injury and property damage, $2,000,000 personal and advertising injury limit with an annual general aggregate limit of not less than $4,000,000, and $2,000,000 products and completed operations aggregate, combined single limit. The Automobile Liability insurance policy shall provide minimum limits of $1,000,000 per accident as a combined single limit arising out of the ownership, maintenance, or use of any owned or non-owned vehicles. These minimum amounts of insurance coverage do not preclude the Contractor from requiring higher limits or additional insurance coverage as it deems necessary.

11.5 Commercial General Liability.

11.5.1 Coverage or Endorsements

The Commercial General Liability policy shall include coverage or endorsements for:

A. Completed operations.

B. Losses related to independent contractors, products and equipment.

C. Explosion, collapse and underground hazards.

11.5.2 Copies to be Provided

The Commercial General Liability Insurance shall include the following, copies of which shall be provided:

A. Inclusion of the CITY of Roseville, and its officers, agents, employees and volunteers, as additional insured (except for workers' compensation as respects services or operations under the Contract. The additional insured endorsement for the general liability policy shall be at least as broad as the Insurance Services Office ("ISO") CG 20 38 04 13 or an equivalent, blanket endorsement or section of the policy. Endorsements must include coverage for on-going and completed operations. Endorsements shall cover the CITY of Roseville, its officers, agents, employees, and volunteers.

B. Cross liability and severability of interest clauses providing that the insurance applies separately to each insured except with respect to the limits of liability.

C. Stipulation that the insurance is primary and noncontributory, as evidenced by a separate endorsement (CG 20 01 04 13 or an equivalent) or section of the policy, and that neither CITY nor its insurers will be called upon to contribute to a loss.

D. Such insurance shall specifically cover the contractual liability of the CONTRACTOR.

E. Any available insurance proceeds in excess of the specified minimum insurance coverage requirements and limits shall be available to the additional insureds. Furthermore, the requirements for coverage and limits shall be: (1) the minimum coverage and limits specified in this Agreement; or (2) the full coverage and maximum limits of any insurance proceeds available to the named insureds, whichever is greater.

F. Waiver of subrogation endorsement.

G. CONTRACTOR shall furnish a certificate for the period covered.

11.5.3 Claims Made Coverage – Special Notice

SPECIAL NOTICE - CLAIMS MADE COVERAGE:

Liability insurance coverage may not be written on a "claims made" basis, except for Professional Liability insurance. The Certificate of Insurance must clearly provide that the coverage is on an "occurrence" basis.

11.6 Comprehensive Automobile Liability

Comprehensive Automobile Liability for bodily injury (including death) and property damage which provides total limits of not less than One Million Dollars ($1,000,000) combined single limits per accident, applicable to all owned, non-owned, and hired vehicles.

11.7 Statutory Workers' Compensation and Employer's Liability Insurance

Statutory Workers' Compensation and Employer's Liability Insurance, including a waiver of subrogation endorsement and a Broad Form "All-States" Endorsement for all employees engaged in services or operations under the Contract. The employer's liability insurance shall provide limits of not less than One Million Dollars ($1,000,000) per occurrence. Both the worker's compensation and employer's liability policies shall contain the Insurer's waiver of subrogation in favor of CITY, its officers, agents, employees, and volunteers.

11.8 Builder's Risk/Course of Construction Insurance

CONTRACTOR shall be responsible for all loss, damage or destruction whatsoever to the Work called for by this Contract until the approval of a Notice of Completion. CONTRACTOR shall secure "All Risk" type of builder's Risk Insurance of the type covering one hundred percent (100%) of the value of the Work performed under this Contract (the value is presumed to be the Contract amount unless otherwise stated in Supplemental Conditions) and all materials, equipment, or other items to be incorporated therein while the same are located at the construction site, a bonded warehouse, or its place of manufacture. At any time, the policy shall cover the value of the Work completed. The policy shall cover hazards including the losses due to fire, explosion, hail, rain, lightning, flood (separate insurance as needed), vandalism, malicious mischief, wind, collapse, aircraft, and smoke.

The policies providing such insurance shall name CITY as a loss payee as its respective interests may appear, and certified copies of such policies shall be filed with CITY. .

Builder's Risk Insurance is not required for coverage of losses in excess of five percent (5%) of the Contract amount for damages resulting from earthquake in excess of a magnitude of 3.5 on the Richter scale, or tidal waves. Coverage in the amount of five percent (5%) of the Contract amount for such losses is required.

11.9 Not Used

11.10 Not Used

11.11 Other Insurance Provisions.

A. The requirements of the Contract Conditions as to types and limits of insurance coverage to

be maintained by CONTRACTOR, and any approval of insurance by CITY, are not intended to, and shall not in any manner limit or qualify the liabilities and obligations otherwise assumed by CONTRACTOR pursuant to the Contract, including, but not limited to, the provisions concerning indemnification, nor preclude CITY from taking any other action available to it under any other provision of the Contract or law.

B. CITY acknowledges that some insurance requirements contained in the Contract Conditions may be fulfilled by self-insurance on the part of CONTRACTOR. However, this shall not in any way limit liabilities assumed by CONTRACTOR under the Contract. Any self-insurance must be approved in writing by CITY, in its sole discretion and shall not reduce the limits of liability. Any deductibles or self-insured retentions ("SIR") must be declared on the certificate of insurance and approved by CITY in writing. Policies containing any SIR provision shall provide or be endorsed to provide that the SIR may be satisfied by either the named insured or CITY. CITY reserves the right to obtain a full certified copy of any insurance policy and endorsements. The failure to exercise this right shall not constitute a waiver of such right.

C. CONTRACTOR agrees to include in its contracts with all subcontractors the same requirements and provisions of this Contract, including the indemnity and insurance requirements, to the extent they apply to the scope of the subcontractor's work. Furthermore, CONTRACTOR shall require its subcontractors to agree to be bound to CONTRACTOR and CITY in the same manner and to the same extent as CONTRACTOR is bound to CITY under this Contract. Additionally, CONTRACTOR shall obligate its subcontractors to comply with these same provisions with respect to any tertiary subcontractor, regardless of tier. A copy of CITY'S indemnity and insurance provisions will be furnished to the subcontractor or tertiary subcontractor upon request. Alternatively, CONTRACTOR may insure subcontractor(s) under its own policy.

D. CITY, its officers, agents, employees and volunteers are to be covered as insureds with respect to liability arising out of automobiles owned, leased, hired or borrowed by or on behalf of CONTRACTOR; and with respect to liability arising out of work or operations performed by or on behalf of CONTRACTOR including materials, parts or equipment furnished in connection with such work or operations. Coverage shall not extend to any indemnity coverage for the active negligence of the additional insured in any case where an agreement to indemnify the additional insured would be invalid under California Insurance Code Section 11580.04. In addition, the insurance policy may not contain language which prohibits additional insureds or other insurers from satisfying the self-insured retention or deductible.

E. The limits of insurance required in this Contract may be satisfied by a combination of primary and excess insurance. Any excess insurance shall contain or be endorsed to contain a provision that such coverage shall also apply on a primary and noncontributory basis for the benefit of CITY (if agreed to in a written contract) before the CITY'S own insurance shall be called upon to protect it as a named insured.

F. In the event CONTRACTOR retains the Architect/Engineer, CONTRACTOR shall require its Architect/Engineer to provide professional liability (errors and omissions) insurance (certificate and additional insured endorsement) in the amount of $2,000,000.

G. CITY RESERVES THE RIGHT TO WITHHOLD ANY PROGRESS PAYMENTS TO CONTRACTOR IN THE EVENT OF NONCOMPLIANCE WITH ANY INSURANCE REQUIREMENTS.

11.12 Payment, Performance and Warranty Bonds

CONTRACTOR shall furnish and deliver to CITY Performance, Labor & Materials, and Warranty Bonds issued by a surety prior to, and as a condition precedent to, commencement of the Construction Work on the Site; provided, however, the Warranty Bond shall be waived if such bond is not required pursuant to CITY'S request for proposals for the Project. The Labor & Materials and Performance Bonds shall be in a penal sum equal to one hundred percent (100%) of the GMP, and the Warranty Bond shall be in the penal sum equal to ten percent (10%) of the GMP. All bonds shall be in the form as set forth in Exhibit G hereto. All premiums for the Performance, Labor & Materials, and Warranty Bonds shall be a Cost of the Work. CITY shall have the right to withhold any payment(s) under this Agreement until CONTRACTOR has fully complied with this sub-section.

Table 2: Summary of Bonding Requirements

Bond Type	Requirement
Performance	100% of the Total Contract Price
Labor and Materials	100% of the Total Contract Price

11.13 Indemnification

To the fullest extent allowed by law, CONTRACTOR shall defend, indemnify, and hold harmless, CITY, its officers, employees, agents, and volunteers, and each and every one of them, from and against all actions, damages, claims, losses, expenses or other liabilities of every type and description, including reasonable attorney fees, to which they may be subjected or put, by reason of, or resulting from, the performance of the Work, whether upon or off the Work, including the loss of use thereof, that is caused in whole or in part by willful or reckless misconduct and/or any negligent or wrongful act or omission of CONTRACTOR, any Subcontractor, and anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, whether or not it is caused in part by a party indemnified hereunder, except for such claims arising from the sole negligence, active negligence, or willful misconduct of CITY. The parties intend that this provision shall be broadly construed.

CONTRACTOR's responsibility for such defense and indemnity obligations shall survive the termination or completion of this Agreement for the full period of time allowed by law. The defense and indemnity obligations of this Agreement are undertaken in addition to, and shall not in any way be limited by, the insurance obligations contained in this Agreement.

ARTICLE 12 - SAFETY: PROTECTION OF PERSONS AND PROPERTY

12.1 Contractor's Responsibility for Site Safety

It is the intent of the parties that CITY is not an exposing, creating, controlling, or correcting employer under California Labor Code Section 6400. In accordance with generally accepted fabrication and construction practices and all applicable Laws and Standards and Codes, CONTRACTOR shall have the authority and be solely and completely responsible for the safety of all property utilized and all persons performing under this Agreement. Moreover, the CONTRACTOR shall be the controlling employer and has the authority and responsibility to enforce safety for all fabrication, construction work, and Work performed under this Agreement.

The services of CITY'S contract administrator, if any, in conducting a review of CONTRACTOR's performance under this Agreement is not intended to include a review of the adequacy of CONTRACTOR's work methods, equipment or safety measures. If CITY and/or its contract administrator observes a safety violation related to the CONTRACTOR's performance under this Agreement, then CITY and/or its contract administrator will report the violation to the CONTRACTOR who is then responsible for assuring the violation is abated.

A. CONTRACTOR shall be responsible for initiating, maintaining and providing supervision of safety precautions and programs in connection with the Work, and shall also comply with any and all insurance carrier-mandated safety requirements and programs.

B. CONTRACTOR is hereby informed that work on this Project could be hazardous. CONTRACTOR shall carefully instruct all personnel performing under this Agreement in potentially hazardous work areas as to potential dangers and shall provide such necessary safety equipment and instructions as are necessary to prevent injury to personnel and damage to property.

C. All Equipment, Work and materials provided under this Agreement shall be in strict accordance with all applicable Laws and Standards and Codes, and attention is drawn to the requirements of CAL/OSHA.

D. CONTRACTOR shall perform under this Agreement so as not to expose personnel to, or to discharge into the atmosphere from any materials brought to the Site by CONTRACTOR, smoke, dust, asbestos, toxic chemicals or other air contaminants in violation of applicable Laws and Standards and Codes.

E. The Contractor shall indemnify, defend and hold CITY and Construction Manager, Engineer, Funding Agencies and their respective officers, officials, employees, agents and volunteers or other authorized representatives harmless to the full extent permitted by law concerning liability related to the Contractor's safety obligations in accordance with Article 11.14-Indemnification.

F. If death or serious injuries or serious damages occur, the accident shall be reported immediately by telephone or messenger to both the Construction Manager and the CITY. In addition, the Contractor shall furnish the Construction Manager with a copy of the Employer's Report of Injury immediately following any incident requiring the filing of said report during the prosecution of the Work under this Agreement. The Contractor shall also furnish the Construction Manager with a copy of the Employer's Report of Injury involving any subcontractors on this Project. The Contractor shall make all reports as are, or may be, required by any authority having jurisdiction, and permit all safety inspections of the Work being performed under this Agreement.

G. If a claim is made by anyone against the Contractor or any subcontractor on account of any accident, the Contractor shall promptly report the facts in writing to the Construction Manager, giving full details of the claim.

12.2 Safety Program

The Contractor shall establish, implement, and maintain a written injury prevention program as required by Labor Code Section 6401.7. Before beginning the Work, the Contractor shall file with the Construction Manager a written Contractor Safety Program that provides for the implementation of all of the Contractor's safety responsibilities in connection with the Work at the Site and the coordination of that program and its associated procedures and precautions with safety programs, precautions and procedures of each of its subcontractors and other Contractors performing work at the Site. The

Contractor shall be solely responsible for initiating, maintaining, monitoring, coordinating, and supervising all safety programs, precautions, and procedures in connection with the Work and for coordinating its programs, precautions, and procedures of the other contractors and subcontractors performing the Work at the Site. The Safety Program should contain all the necessary elements for the Contractor to administer its program on the Site

The Contractor's compliance with requirements for safety and/or the Construction Manager's acceptance for filing of the Contractor's Safety Program shall not relieve or decrease the liability of the Contractor for safety. The Construction Manager's review of the Contractor's Safety Program is only to determine if the above listed elements are included in the program. The Contractor's completion of review of the Safety Program does not confirm adequacy of the Program to protect workers. The Contractor is solely responsible to determine adequacy of the program to protect workers per the applicable Labor Code Section.

12.3 Safety Supervisor

The Contractor shall appoint an employee as safety supervisor who is qualified and authorized to supervise and enforce compliance with the Safety Program. The Contractor shall notify the Construction Manager in writing prior to the commencement of work of the name of the person who will act as the Contractor's safety supervisor and furnish the safety supervisor's resume to the Construction Manager.

The Contractor will, through and with its Safety Supervisor, ensure that all of its employees and its subcontractors of any tier, fully comply with the Project Safety Policies. The Safety Supervisor shall be a full-time employee of the Contractor whose responsibility shall be for supervising compliance with applicable safety requirements on the Site and for developing and implementing safety training classes for all job personnel. The CITY shall have the authority to require removal of the Contractor's Safety Supervisor if the representative is judged to be improperly or inadequately performing the duties; however, this authority shall not in any way affect the Contractor's sole responsibility for performing this work safely, nor shall it impose any obligation upon the CITY to ensure the Contractor performs its work safely.

12.4 Applicable Laws

The Contractor shall comply with all applicable laws and regulations of any public body having jurisdiction for the safety of persons or property or to protect them from damage, injury or loss and shall erect and maintain all necessary safeguards for such safety and protection.

12.5 Safety Notices

In connection with the performance of the Work, CONTRACTOR shall provide notices and comply with all Applicable Laws bearing on the safety of persons and property and their protection from damage, injury or loss. The Contractor shall notify owners of adjacent property and of underground facilities and utility districts when prosecution of the Work may affect them and shall cooperate with them in the protection, removal, relocation, and replacement of their property.

12.6 Reasonable Precautions

CONTRACTOR shall take all precautions and implement all safety measures and requirements imposed by any Applicable Law. Without limiting the generality of the foregoing, CONTRACTOR shall take necessary precautions for the safety of, and shall provide necessary protection to prevent damage, injury or loss to:

A. Employees on the Work and other persons who may be affected thereby;

B. The Work and materials and equipment to be incorporated therein, whether in storage on or off the Site under care, custody or control of CONTRACTOR; and

C. Other property at the Site or adjacent thereto, such as trees, shrubs, lawns, walks, pavements, roadways, structures and utilities not designated for removal, relocation or replacement in the course of the Construction Work.

12.7 Specific Precautions

12.7.1 Confined Spaces

The Project requires work in confined spaces and requires compliance with CAL/OSHA and Federal OSHA requirements. Confined spaces for the purposes of this article shall be as defined by the Division of Industrial Safety. Work within confined spaces of this Project is subject to the definitions and applicable provisions of Section 5156 et seq., Title 8, Division 1, Chapter 4, Subchapter 7, Group 16, Article 108 of California Code of Regulations, and Title 29 Part 1926 of the Code of Federal Regulations.

In addition, the CITY classifies the following existing facilities as confined space: the interior of pipelines, vaults, manholes, reservoirs and any other such structure or space which is similarly surrounded by confining surfaces as to permit the accumulation of dangerous gases or vapors. The confined spaces are "permit" confined spaces as defined by OSHA and CAL/OSHA and therefore entry is allowed only through compliance with a confined space entry permit program by the Contractor that meets the requirements of 8 C.C.R. Section 5157. While the above-mentioned locations have been identified as permit confined spaces, other permit confined spaces may exist. It shall be the responsibility of the Contractor to identify and classify these confined spaces.

It is anticipated that the Contractor may encounter hazardous conditions within these permit confined spaces which include, but are not limited to the following:

A. Exposure to hydrogen sulfide, methane, carbon dioxide and other gases and vapors commonly found in municipal sewers which could have or has the potential of having Immediate Danger to Life or Health Conditions (IDLH).

B. Exposure to atmosphere containing insufficient oxygen to support human life.

C. Exposure to combustible, flammable and/or explosive atmosphere.

D. Exposure to sewage which may contain bacteriological, chemical and other constituents harmful to humans.

E. Work in conditions where engulfment or entrapment may occur.

F. Work in environments which may be slippery and/or have uneven work surfaces.

G. Work in structures where workers may trip, slip and/or fall several feet.

H. Exposure to an oxygen enriched environment.

12.7.2 Excavation Safety

A. Section 6705. In accordance with the provisions of Section 6705 of the Labor Code, the Contractor shall submit, in advance of excavation of any trench or trenches five feet or more in depth, a detailed plan showing the design of shoring, bracing, sloping, or other provisions to be made for worker protection from the hazard of caving ground during the excavation of such trench or trenches. If such plans vary from the shoring system

standards set forth in the Construction Safety Orders of the Division of Industrial Safety in Title 8, Subchapter 4, Article 6, California Code of Regulations, the plans shall be prepared and signed by a registered civil or structural engineer employed by the Contractor, and all costs therefore shall be included in the price named in the Agreement for completion of the Work as set forth in the Contract Documents. Nothing in this article shall be deemed to allow the use of a shoring, bracing, sloping, or other protective system less effective than that required by the Construction Safety Orders. Nothing in this article shall be construed to impose a tort liability on the CITY, the Engineer, the Construction Manager, nor any of their officers, officials, employees, agents, consultants or volunteers. The CITY'S review of the Contractor's excavation plan is only for general conformance to the Construction Safety Orders.

Prior to commencing any excavation, the Contractor shall designate in writing to the Construction Manager the "competent person(s)" with the authority and responsibilities designated in the Construction Safety Orders.

B. Section 6707. Pursuant to the provisions of California Labor Code Section 6707, each Proposal submitted in response to this RFBP shall contain, as a separate cost item, adequate sheeting, shoring, and bracing, or equivalent method, for the protection of life or limb in trenches and open excavation, exceeding five (5) feet, which shall conform to applicable safety orders. By entering an amount for this cost item below, the Proposer warrants that its action does not convey tort liability to the City, the Engineer, the Construction Manager, the Funding Agencies and their respective officers, employees, agents, and subconsultants.

12.7.1 Equipment Safety Provisions

The completed Work shall include the specified permanent safety devices, such as machinery guards and similar safety items, required by the State and Federal (OSHA) industrial authorities and applicable local and national codes. Further, any features of the Work, including CITY-selected equipment, subject to such safety regulations shall be fabricated, furnished, and installed in compliance with these requirements. All equipment furnished shall be grounded and provided guards and protection as required by safety codes. Where vapor-tight or explosion-proof electrical installation is required by safety codes, this shall be provided. Contractors and manufacturers of equipment shall be held responsible for compliance with the requirements included herein. The Contractor shall notify all equipment suppliers and subcontractors of the provisions of this paragraph.

12.7.1 Use of Explosives

Use of explosives is prohibited, unless approved in advance in writing by CITY. CITY may impose reasonable conditions on the use of explosives.

12.7.1 Loading Capacity

The Contractor shall determine safe loading capacities and shall not overload any structure, building, pipe or other existing facility beyond its safe capacity during construction. In addition to any requirements imposed by law, the Contractor shall shore up, brace, underpin and protect as may be necessary all foundations and other parts of all existing structures, facilities and improvements on the Site or adjacent to the Site which are in any way affected by the Contractor's excavations or other operations connected with the Work. Prior to commencing any work which in any way affects adjoining or adjacent land or buildings thereon, or public utilities, the Contractor shall notify the Construction Manager to discuss

responsibilities for properly notifying the owners/occupants of adjacent land and the protective measures taken by the Contractor. Upon request of the Construction Manager, the Contractor shall meet with the recipient of any notice or attend local public meetings as proper public outreach on local impacts caused by completion of the Work should be communicated to any parties that may be affected prior to commencing any work.

12.8 Safety Violations

Should the Contractor fail to correct an unsafe condition, the CITY shall have the right to notify the Contractor through the Construction Manager that an unsafe condition may exist and must be corrected or the Work in question can be stopped in accordance with Article 4.6, CITY's Right to Stop the Work, until the condition is corrected to the satisfaction of the CITY. No extension of time or additional compensation will be granted as a result of any stop order so issued. The notification and suspension of such Work or the failure to provide such notification and suspension by the CITY shall not relieve the Contractor of its sole responsibility and liability for safety and the correction of any unsafe conditions.

The CITY shall have the authority to require the removal from the Project of any worker and the foreman and/or superintendent in responsible charge of the work where safety violations occur. The CITY also delegates such authority to the Construction Manager as well.

12.9 Public Safety and Convenience

The Contractor shall conduct its work so as to ensure the least possible obstruction to traffic and inconvenience to the general public and the residents in the vicinity of the Work and to ensure the protection of persons and property. No road or street shall be closed to the public except with the permission of the Construction Manager and the written approval by the proper governmental authority. Fire hydrants on or adjacent to the Work shall be accessible to firefighting equipment. Temporary provisions shall be made by the Contractor to ensure the use of sidewalks, private and public driveways and proper functioning of gutters, sewer inlets, drainage ditches and culverts, irrigation ditches and natural water courses.

12.10 Emergencies

In an emergency affecting the safety of persons or property, CONTRACTOR shall act, at CONTRACTOR's discretion, to prevent threatened damage, injury or loss. Additional costs or extensions of time caused by CONTRACTOR on account of an emergency not caused by the fault or neglect of CONTRACTOR shall be determined as provided in Article 9.8-Change Orders on Account of Excusable Delay.

12.11 Safeguards

CONTRACTOR shall erect and maintain, as required by existing conditions and performance of the Work, reasonable safeguards for safety and protection, including posting danger signs and other warnings against hazards, promulgating safety regulations and notifying CITY and users of adjacent sites and utilities, and shall comply fully with the requirements of CAL/OSHA.

12.12 Security

CONTRACTOR shall take any and all precautions that may be reasonably necessary to render all portions of the Work, the Site and any adjacent areas affected by the Work secure in all material respects, to decrease the likelihood of accidents, and to avoid vandalism and other contingencies which are liable to delay the Work or give rise to claims or liabilities. CONTRACTOR shall furnish and install all

necessary facilities to provide safe means of access to all points where Work is being performed. CONTRACTOR shall take all precautions and measures as may be reasonably necessary to secure the Project at all hours, including evenings, holidays and non-work hours. Such precautions may include provision of security guards.

12.13 Damage to Property at the Site

CONTRACTOR shall be responsible for any and all damage or loss to property at the Site, except to the extent caused by the acts or omissions of CITY or its representatives, agents or employees. The costs and expenses incurred by CONTRACTOR under this Article shall be paid as a Cost of the Work to the extent that such costs and expenses are in excess of or are not covered by required insurance, and to the extent of any deductibles. If such damage or loss is caused by CONTRACTOR, payment of such costs as Cost of the Work shall be limited by the provisions of Article 2.19.4 hereof.

12.14 Damage to Property of Others

A. CONTRACTOR shall avoid damage, as a result of CONTRACTOR's operations, to existing sidewalks, curbs, streets, alleys, pavements, utilities, adjacent property, the work of Separate Contractors and the property of CITY. CONTRACTOR shall repair any such damage caused by the operations of CONTRACTOR, which costs shall be paid as a Cost of the Work to the extent that such costs and expenses are in excess of or are not covered by required insurance, and to the extent of any deductible.

B. Failure of CONTRACTOR to Repair Damage. If CONTRACTOR fails to commence the repair of damage to property as set forth in this Article, and/or diligently pursue such repair, then CITY, after ten (10) Days prior written notice to CONTRACTOR (provided CONTRACTOR has not commenced such repair during such ten (10) Day period), may elect to repair such damages with its own forces and to deduct from payments due or to become due to CONTRACTOR amounts paid or incurred by CITY is correcting such damage.

12.15 Remedy of Damage

CONTRACTOR shall promptly remedy damage and loss to property referred to in Article 12.14-Damage to Property of Others (items B and C) caused in whole or in part by CONTRACTOR, or anyone employed by or in control of CONTRACTOR, or any Subcontractor. All costs incurred by CONTRACTOR in connection with its obligations under this Section shall be cost of the Work, but shall not increase the GMP.

ARTICLE 13 - DISPUTES

13.1 Disputes between CITY and CONTRACTOR

In the event of any dispute arising between CITY and CONTRACTOR regarding any part of the Contract or the Contract Documents, or the Parties' obligations or performance thereunder, and subject to any claims presentation requirements set forth in the Contract Documents, either Party may institute the dispute resolution procedures set forth herein. The Parties shall continue performance of their respective obligation hereunder notwithstanding the existence of a dispute.

13.2 Dispute Resolution Procedures

CONTRACTOR must submit all claims as defined in and in accordance with the claim resolution process set forth in Section 9204 of the Public Contract Code. Each such claim must be sent to CITY by registered mail or certified mail with return receipt requested and must contain reasonable documentation to support the claim. All claims must be received prior to acceptance of the Work and will be handled in accordance with the procedures set forth in Section 9204 of the Public Contract Code.

ARTICLE 14 - EVENTS OF DEFAULT AND REMEDIES; TERMINATION

14.1 CONTRACTOR Events of Default

The following shall be considered "CONTRACTOR Events of Default":

A. If CONTRACTOR fails or neglects to carry out the Work in accordance with the provisions of the Contract Documents, and fails, after seven (7) Days' notice from CITY, to commence a cure to correct such failure or neglect and thereafter diligently pursue such cure to completion;

B. If CONTRACTOR materially breaches this Agreement and fails, after seven (7) Days' notice from CITY, to commence a cure to correct such breach and thereafter diligently pursue such cure to completion (such breach to include, but not be limited to, failure to make payment to Subcontractors for materials or labor in accordance with the respective agreements between CONTRACTOR and the Subcontractors or violation of Applicable Laws);

C. If a custodian, trustee or receiver is appointed for CONTRACTOR, or if CONTRACTOR becomes insolvent or bankrupt, is generally not paying its debts as they become due or makes an assignment for the benefit of creditors, or CONTRACTOR causes or suffers an order for relief to be entered with respect to it under applicable bankruptcy law or applies for or consents to the appointment of a custodian, trustee or receiver for CONTRACTOR, or bankruptcy, reorganization, arrangement or insolvency proceedings, or other proceedings for relief under any bankruptcy or similar law or laws for the relief of debtors, are instituted by or against CONTRACTOR, and in any of the foregoing cases such action is not discharged or terminated within sixty (60) Days of its institution.

14.2 Remedies of CITY upon a CONTRACTOR Event of Default.

14.2.1 Termination of Contract

Upon the occurrence of a CONTRACTOR Event of Default, CITY shall have the right to terminate this Contract upon an additional seven (7) Days written notice to CONTRACTOR, provided that CONTRACTOR has not commenced a cure within such seven (7) Day period.

14.2.2 Without prejudice to any other rights or remedies of CITY, CITY may:

A. Take possession of the Site and of all materials, equipment, tools and construction equipment thereon owned by CONTRACTOR;

B. Accept assignment of Subcontracts; and

C. Finish the work by whatever reasonable method CITY may deem expedient.

D. When CITY terminates the Contract as aforesaid, CONTRACTOR shall not be entitled to

receive further payment until the Work is finished. If the unpaid balance of the GMP exceeds costs incurred in finishing the Work, such excess shall be paid to CONTRACTOR, up to the amount due CONTRACTOR for work performed prior to termination. If such costs exceed the unpaid balance of the GMP, CONTRACTOR shall pay the difference to CITY.

14.3 Recourse to Payment and Performance Bonds

Upon the occurrence of a CONTRACTOR Event of Default and termination of this Contract by CITY, CITY may call upon the Surety to perform its/their obligations under the Payment and Performance Bonds, if applicable.

14.4 Remedies not Exclusive

Except as otherwise provided in this Agreement, no remedy hereunder is intended to be exclusive of any other remedy, but each and every such remedy shall be cumulative and shall be in addition to any other available legal or equitable remedy, existing now or hereafter. No delay or omission to exercise any right or power accruing shall impair any such right or power nor shall it be construed to be a waiver of any Event of Default or acquiescence therein, and every such right and power may be exercised from time to time as often as may be deemed expedient.

14.5 Termination or Suspension for Convenience.

14.5.1 Termination for Convenience.

CITY may, without cause, terminate this Contract, or any portion of Work to be performed hereunder at any time by a notice in writing from CITY to CONTRACTOR for CITY'S convenience. In such case, CITY shall pay to CONTRACTOR all funds due CONTRACTOR for work performed up to the date of termination, plus all demobilization and close-out costs, including, but not limited to, any amounts payable to Subcontractors for early termination, plus reasonable overhead and profit on Work performed. All funds due hereunder, including unpaid Retention, shall be released within thirty (30) Days of termination of the Contract for convenience, subject to any withholding required or authorized by any Applicable Law. In no event shall such amounts owed to CONTRACTOR exceed the GMP.

14.5.2 Suspension for Convenience

CITY may, without cause, order CONTRACTOR in writing to suspend, delay or interrupt the Work in whole or in part for such period of time as CITY may determine. An adjustment shall be made for increases in the cost of performance of the Work, including Fee on the increased cost of performance, caused by the suspension, delay or interruption, in accordance with the Change Order provisions of this Contract. No adjustment shall be made to the extent (1) the performance is, was or would have been so suspended, delayed or interrupted by another cause for which CONTRACTOR is responsible or (2) that an equitable adjustment to the GMP and/or Schedule is made or denied under another provision of this Contract. Adjustments made in the cost of performance may have a mutually agreed fixed or percentage Fee.

ARTICLE 15 - MISCELLANEOUS PROVISIONS

15.1 Governing Law

This Contract shall be construed with and governed by the laws of the State of California.

15.2 Successors and Assigns

CITY and CONTRACTOR respectively bind themselves, their partners, shareholders, successors, assigns and legal representatives to the other Party hereto and to shareholders, successors, assigns and legal representatives of such other Party in respect to covenants, agreements and obligations contained in the Contract Documents. Neither Party shall assign the Contract without the prior written consent of the other.

15.3 Notice

Any notices to Parties required by this Agreement shall be delivered or mailed, U.S. first class, postage prepaid, addressed as follows:

If to CITY:	If to CONTRACTOR:
Janice Gainey City of Roseville 2005 Hilltop circle Roseville, CA 95747	Eric Stannard Teichert Construction 400 Sunrise Ave. Suite 300 Roseville, CA 95661

Address for Notice may be changed by Notice to the other Party.

15.4 Modifications

No Modifications or Change Orders shall be valid unless in writing and signed by CITY and CONTRACTOR.

15.5 Interpretation

Any and all headings of this Agreement are for convenience of reference only and do not modify, define or limit the provisions thereof. Words of any gender shall be deemed and construed to include correlative words of the other gender. Words importing the singular number shall include the plural number and vice versa, unless the context shall otherwise be deemed to include all supplements and/or amendments to any such exhibits or documents entered into in accordance with the terms hereof and thereof. All references to any person or entity shall be deemed to include any person or entity succeeding to the rights, duties and obligations of such person or entity in accordance with the terms of this Agreement. Where reference is made in this Agreement to another Contract Document, the reference refers to that provision as amended or supplemented by the other provisions of the Contract Documents. In the event of any conflict between or among the Contract Documents, the provisions of this Agreement shall govern.

15.6 Severability

If any provision of this Agreement is held to be inoperative or unenforceable as applied in any particular case because it conflicts with any other provision hereof or any constitution, statute, ordinance, rule of law or public policy, or for any other reason, such holding shall not have the effect of rendering the provision in question inoperative or unenforceable in any other case, or of rendering any other provision herein contained inoperative or unenforceable to any extent whatever. The invalidity of any one or more

phrases, sentences, clauses or sections contained in this Agreement shall not affect the remaining portions of this Agreement or any part hereof, and they shall otherwise remain in full force and effect.

15.7 Whole Agreement

This Agreement, the Exhibits hereto and the Contract Documents, specifications and Drawings shall constitute the entire agreement between the Parties, and no inducements, considerations, promises or other references shall be implied in this Agreement that are not expressly addressed herein

15.8 Accounting Records

CONTRACTOR shall keep full and detailed accounts and exercise such controls as may be necessary for proper financial management under this Agreement; the accounting and control systems shall be reasonably satisfactory to CITY. CITY and CITY'S accountants shall be afforded access to CONTRACTOR's records, books, correspondence, instructions, drawings, receipts, Subcontracts, vouchers, memoranda and other data relating to this Agreement, and CONTRACTOR shall preserve these for a period of three (3) years after final payment, or for such longer period as may be required by law.

15.9 No Waiver

Neither the inspection by CITY or its agents, nor any order or certificate for payment of money, nor payment for, nor acceptance of the whole or any part of the work by CITY, nor any extensions of time, nor any position taken by CITY or its agents shall operate as a waiver of any provision of this Agreement or of any power herein reserved to CITY or any right to damages herein provided, nor shall any waiver of any breach of this Agreement be held to be a waiver of any other or subsequent breach.

15.10 CONTRACTOR Shall Assume Risks

Until the Final Completion or acceptance by CITY of all Work under this Contract, the Work shall be under CONTRACTOR's responsible care and charge. CONTRACTOR shall rebuild, repair, restore and make good all injuries, damages, corrections, and repairs occasioned or rendered necessary by accidental causes of any nature, to all or any portions of the Work, except as otherwise stipulated.

15.11 General Liability of CONTRACTOR

Except as otherwise herein expressly stipulated, CONTRACTOR shall perform all the work and furnish all the labor, materials, tools power and light, and appliances, necessary or proper for performing and completing the Work herein required in the manner within the time herein specified. The mention of any specific duty or liability of CONTRACTOR shall not be construed as a limitation or restriction of any general liability or duty of CONTRACTOR and, any reference to any specific duty or liability shall be construed to be the purpose of explanation.

15.12 Attorney's Fees and Venue

If either Party commences any legal action against the other Party arising out of this Agreement or the performance thereof, the prevailing Party shall be entitled to recover its reasonable litigation expenses, including but not limited to, court costs, expert witness fees, discovery expenses, and attorney's fees. Any action arising out of this Agreement shall be brought in Placer County, California, regardless of where else venue may lie. To the extent permitted by applicable law, each Party waives any defense that it may have based on lack of *in personam* jurisdiction or *forum nonconveniens*.

15.13 Third Party Beneficiaries

There are no third party beneficiaries to this Agreement.

IN WITNESS WHEREOF, the CITY of Roseville, a municipal corporation, has authorized the execution of this Agreement in duplicate by its CITY Manager and attested to by its CITY Clerk under the authority of Resolution No. _____, adopted by the Council of the CITY of Roseville on the ___ day of _____, 20___, and CONTRACTOR has caused this Agreement to be executed.

CITY OF ROSEVILLE,

a municipal corporation:

BY:_____

DOMINICK CASEY

CITY Manager

ATTEST:

BY:_____

SONIA OROZCO

CITY Clerk

APPROVED AS TO FORM:

BY: _____

ROBERT R. SCHMITT

CITY Attorney

APPROVED AS TO SUBSTANCE

By: _____

RICHARD D. PLECKER

Environmental Utilities Director

A. Teichert & Son, Inc. dba Teichert Construction,

a California Corporation:

BY: _____

its: Vice President

and

BY:_____

its:_____

A. TEICHERT & SON, INC., 3500 American River Drive, Sacramento, California 95864

I, PAULA D. JAMES, Secretary of A. TEICHERT & SON, INC., a California Corporation, which does business under the fictitious names of TEICHERT CONSTRUCTION, TEICHERT MATERIALS, TEICHERT AGGREGATES, TEICHERT ROCK PRODUCTS, and TEICHERT WATERWORK SERVICES, as well as under its own name, certify that the following is a true and correct copy of a resolution unanimously passed and adopted by the Board of Directors of this corporation at a meeting held on May 13, 2020:

RESOLVED, That

	MARY T. TEICHERT	President
and	RONALD L. GATTO	Executive Vice President, Chief Financial Officer & Assistant Secretary
and	PAULA D. JAMES	Secretary

any two of whom acting in combination, are authorized on behalf of this corporation and in its name or in any of the fictitious names under which this corporation does business, to sign, seal, acknowledge, verify and deliver deeds, deeds of trust, mortgages, pledges, transfers, promissory notes, and any other documents and instruments relating to the business and properties, real and personal, of this corporation;

RESOLVED FURTHER, That the following officers of this corporation:

Mary T. Teichert	President
Ronald L. Gatto	Executive Vice President, Chief Financial Officer & Assistant Secretary
David A. Swartz	Executive Vice President
Dana M. Davis	Senior Vice President
A. Ed Herrnberger	Senior Vice President & General Manager
Christopher C. Barkley	Vice President, Director Field Operations
Clark J. Hulbert	Vice President Organizational Development
Francis C. Johnson	Vice President & Regional Manager, Bay Area
Scott R. Lewis	Vice President & Regional Manager, Greater Sacramento
Timothy B. Murphy	Vice President, Manager Mobile Equipment
Mark A. Nilsen	Vice President & Regional Manager, Central Valley
Eric D. Stannard	Vice President Public Works
Paula D. James	Secretary
Christopher M. McCaffree	Treasurer
Kathy Radley-Timberlake	Controller

are authorized, acting alone or in any combination, on behalf of this corporation and in its name or in any of the fictitious names under which this corporation does business, to execute and deliver proposals, bids, bonds, contracts, and agreements for construction work; and to do all other acts of a business nature that this corporation is empowered to do by law;

RESOLVED FURTHER, That the following employees of this corporation:

Wee Chu	Senior Estimator, North Region
Rick Czuleger	Chief Estimator, North Region
Jeff Feusi	Chief Estimator, North Region
Jim Gallagher	Area Manager, Bay Area Region
Darryl Hansen	Senior Estimator, North Region
Stephen Muck	Area Manager, North Region
Tom Musson	Chief Estimator, Central Valley Region
Raul Ortiz	Area Manager, Central Valley Region
Bryan Ramirez	Area Manager, North Region
Nathan Rinaldi	Senior Estimator, Central Valley Region
Alexander Salcedo	Area Manager, South Valley Region
Janez Seliskar	Chief Estimator, Central Valley Region
Mike Stephenson	Senior Estimator, Bay Area Region
Jason Theriault	Chief Estimator, Bay Area Region

are designated as attorneys in fact of this corporation with full authority to execute proposals, bids, bonds, contracts, and agreements for construction work;

RESOLVED FURTHER, That the following employee of this corporation:

Sean Collins	Credit & Contracts Manager

is designated as attorney in fact of this corporation with full authority to execute credit agreements, credit settlement agreements, lien rights, contracts and other documents relating to the credit and contracts for this corporation.

DATED:_____

Paula D. James
Secretary of A. Teichert & Son, Inc.

ARTICLE 16 - LIST OF EXHIBITS

Exhibit A	Contractor's Statement of Pre-Qualification [Not Used]
Exhibit B	Contractor's Proposal Parts 1 and 2 dated November 20, 2020
Exhibit C	Guaranteed Maximum Price, Cost of Work, and Fee
Exhibit D	Construction Allowance Items and Amounts
Exhibit E	Hazardous Materials
Exhibit F	In Lieu of Securities Escrow Agreement
Exhibit G	Bond Forms; Performance, Labor & Materials, and Warranty Bonds
	Note: Warranty Bond requirement may be waived at the option of CITY.
Exhibit H	Completion Times and Liquidated Damages

EXHIBIT A - CONTRACTOR'S STATEMENTS OF PRE-QUALIFICATION (SOPQ)

(NOT USED)

END OF EXHIBIT A

EXHIBIT B - CONTRACTOR'S PROPOSAL
PART 1-TECHNICAL PROPOSAL
PART 2-COST PROPOSAL

(TO BE FURNISHED BY CONTRACTOR)

END OF EXHIBIT B



PROPOSAL FOR THE CITY OF ROSEVILLE

DESIGN-ASSIST AND CONSTRUCTION

DOWNTOWN WATER MAINS REPLACEMENT PROJECT HILLCREST NEIGHBORHOOD

PART 1 TECHNICAL PROPOSAL | NOVEMBER 20, 2020

Roseville Office
400 Sunrise Ave. Suite 300
Roseville, CA 95661
(916) 757-6400
FAX (916) 757-6499

TEICHERT CONSTRUCTION

Established 1887

November 20, 2020

Janice Gainey, P.E., Department of Environmental Utilities - Engineering
City of Roseville, City Clerk Department
311 Vernon Street, Roseville, CA 95678

RE: Design-Assist and Construction of Downtown Water Mains Replacement Project Hillcrest Neighborhood

Dear Janice Gainey, P.E.:

Thank you for the opportunity to submit our bid and technical proposal for the Design-Assist and Construction of Downtown Water Mains Replacement Project Hillcrest Neighborhood. Our proposal follows the outlines provided in the Request for Proposal issued on October 19, 2020 and in the addenda following.

Teichert is excited to work with the city on this first design-assist project package of this nature issued by the City of Roseville. Outlined in our proposal, we propose completing the project ahead of schedule with minimal impact to the local residents and businesses. Our experience on numerous similar projects with public agencies along with our crew availability will benefit the city and the local residents by providing a seamless construction project throughout the entire process.

The benefits of choosing Teichert as a project partner are that we are located within the City of Roseville, we self-perform the majority of the work requested in this proposal, we have a stringent COVID-19 safety program in place and we have an in place badging program to allow the public to identify our workers.

We greatly value our relationship with the city and look forward to the opportunity to work and collaborate with you on this project.

Warm regards,
TEICHERT CONSTRUCTION

Eric Stannard
Vice President of Public Procurement
EStannard@teichert.com



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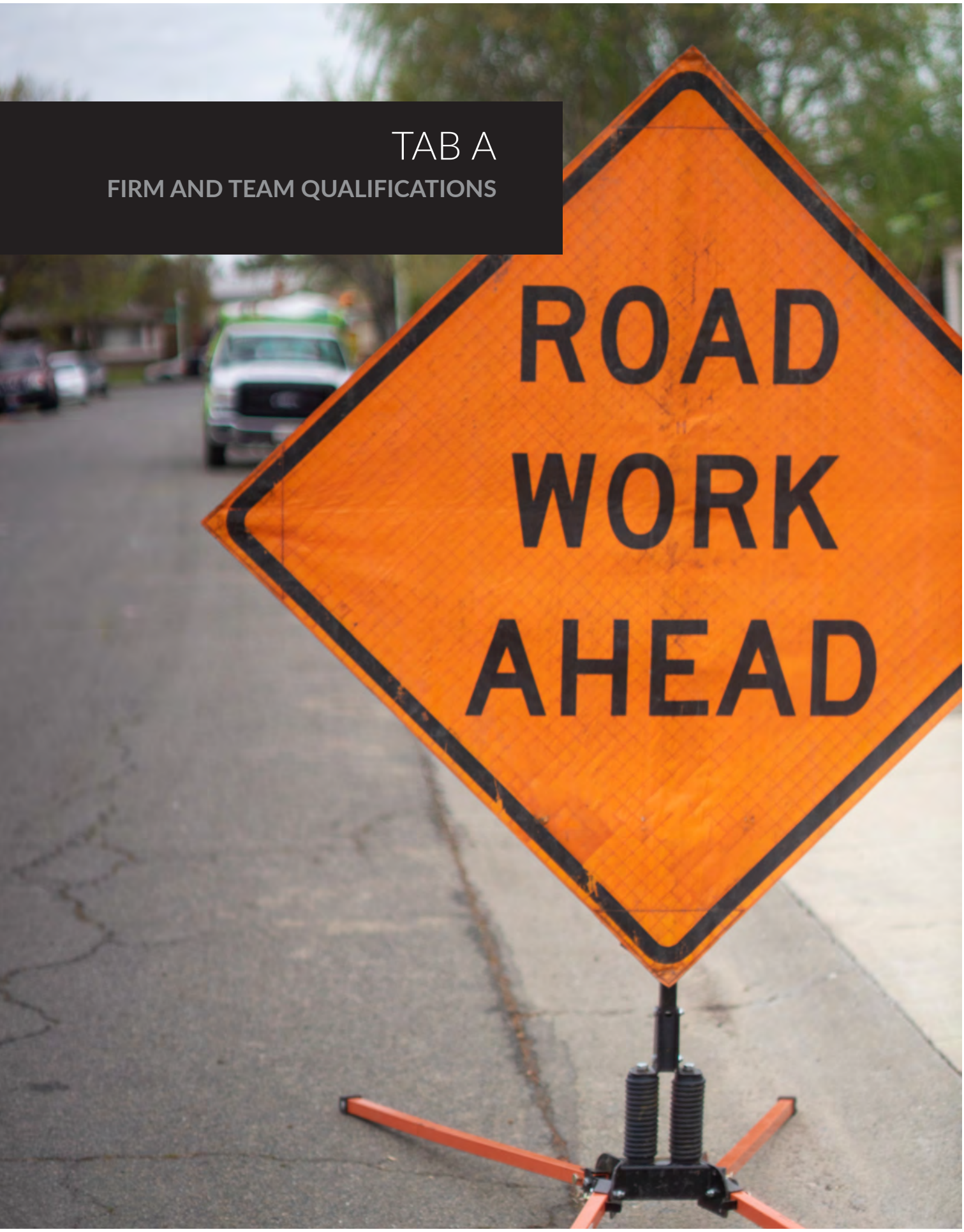
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TAB A

FIRM AND TEAM QUALIFICATIONS



TAB A
FIRM & TEAM QUALIFICATIONS

Describe your firm and provide a statement of your firm's qualifications for performing the requested services.

Provide a brief summary of the role, qualifications and experience of each team member and designated project manager/lead assigned to this project, including length of service with the firm.

Identify the services which would be completed by your firm's staff and those that would be provided by sub-consultants or sub-contractors, if any.

Provide a statement of the qualifications/experience of any sub-consultant or sub-contractor staff on your project team.

Teichert has successfully delivered numerous high-profile projects for the City of Roseville and surrounding municipalities, including those related to metering previously unmetered water service connections and installing water mains. We bring our customers a full line of construction services including underground pipelines, joint utility installations, mass grading, asphalt, paving, concrete curbs, sidewalks, and minor structures. Altogether, our company is well equipped with the workforce and knowledge needed to make the Downtown Water Mains Replacement Project Hillcrest Neighborhood a success. Teichert's specialized construction expertise, provided to local agencies within the last 5 years, includes exactly the services that the city is seeking.

Teichert has installed over 25,000 water meters for residential, common interest development, and business properties on projects that have included more than 170,000 linear feet of water mains and related appurtenances such as valves, tees, saddles, blow-offs, and hydrants. Recently, we have successfully completed similar services for public sector clients including the cities of Sacramento, West Sacramento, Citrus Heights, Lodi, and Woodland. Teichert is proposing an integrated project team that has worked together for over 10 years to deliver successful and identical projects through collaboration and problem-solving. Throughout our 130+ years of company experience, we have refined the technical, public outreach and stakeholder engagement skills that will facilitate the smooth completion of this project. Information about the key personnel who will comprise your project team is presented in the table below.

Teichert will self-perform the majority of the work for this project less striping, SWPPP development, survey, geotechnical testing, and corrosion testing. This provides us greater control over critical resources to mitigate schedule impacts, ensure quality, and streamline communication. This also allows our crews to obtain a higher level of competency for this specialized work which results in a more fluid and smooth-running project along with ensuring that all residents are satisfied with the end result.

DAN STOLOSKI
Project Director

Experience
18 years in the industry
18 years with Teichert

Brief Summary of Role
- Main point of contact for correspondence with city staff and stakeholders
- Develops and maintains project schedules
- Works with Teichert field operations to ensure the city's needs are met daily
- Identifies potential challenges prior to effecting the progress of the project
- Works continually with the city and Teichert field operations to develop quality cost effective solutions
- Manages Teichert project team to ensure the safest and highest quality product is delivered
- Works closely with Teichert superintendent to allocate resources as needed throughout the life of the project

Qualifications

Dan has 18 years of experience in the civil construction industry. His primary focus is underground utilities installation. Dan's specialty areas include meter retrofit and water main replacement, and deep sewer and storm drain projects. Dan has has managed complete streetscape projects dealing with all aspects of civil construction including wet and dry utilities, grading concrete, and paving.

PHIL CRUMMETT
Project Manager/Lead

Experience

12 years in the industry
12 years with Teichert

Brief Summary of Role

- Main point of contact for correspondence with city staff and stakeholders
- Develops and maintains project schedules
- Works with Teichert field operations to ensure the city's needs are met daily
- Ensures a safe and clean environment for workers, residents and city staff
- Identifies potential challenges prior to effecting the progress of the project
- Works continually with the city and Teichert field operations to develop quality cost effective solutions
- Manages Teichert project team to ensure the safest and highest quality product is delivered
- Works closely with Teichert superintendent to allocate resources as needed throughout the life of the project

Qualifications

Phil has managed multiple water main projects and underground utility focused projects, totaling over $60 million. His experience has resulted in a flexible, problem-solving approach. Phil will oversee the team and supervise the management of all aspects of the project from pre-construction to project closeout and be a solid line of communication between the project and the stakeholders. We are confident that Phil will either meet or exceed our proposed schedule.

ZACH DENICO
Project Engineer

Experience

3 years in the industry
3 years with Teichert

Brief Summary of Role

- Manage underground service alert tickets
- Coordinate with utility locate representatives to mitigate utility conflicts during and/or after the initial potholing activities
- Develop close relationships with utility locators and their supervisors to assist in timely responses to the field
- Provide Teichert project manager with underground locate updates for field meetings
- Consistent management to meet city specifications and QA/QC data
- Generate and communicate formal Requests for Information (RFI's) from Teichert operations staff to the city's designated representatives
- Diligent quantity tracking
- Work closely with city staff to agree on quantities completed by Teichert crews

Qualifications

Zach's goal is to keep the projects well-managed, under budget, and ahead of schedule. Zach is experienced in Construction Management and has strong writing, mathematic, and corporate communication skills. Zach has a strong work ethic and is able to maintain responsibilities while working 50-60 hour work weeks. Zach will be involved with crew scheduling, ordering materials and assisting in the management of the project schedule.

CHRIS CLARK
Superintendent

Experience

30 years in the industry
20 years with Teichert

Brief Summary of Role

- Manages field operation resources such as labor, equipment and materials throughout the multiple phases of construction
- Adds labor and equipment as needed to meet schedule demands
- Provides the best crews available from Teichert's large intercompany labor pool
- Coordinates daily with Teichert foremen
- Performs routine safety audits while identifying potential hazards and challenges
- Offers cost-effective solutions to mitigate potential hazards and challenges
- If after-hours field issues arise, Chris will dispatch Teichert field personnel with the correct skills to resolve the issues quickly
- Works closely with the project manager when updating the schedule and identifies any foreseeable challenges

Qualifications

Chris has been involved in all of the water meter projects completed by Teichert construction in the last 6 years. Typically, Chris manages 5-7 foremen/crews. Chris will manage the field resources such as labor, material and equipment needed to keep the underground aspects of the project on schedule.

JASON LENABURG
Safety Supervisor

Experience
20 years in the industry
15 years with Teichert

Brief Summary of Role
- Experienced in developing, implementing, and maintaining project safety initiatives
- Demonstrated management commitment to safety
- Staffing for safe production
- Safe production planning (pre-job/ pre-task/process improvements)
- Safe production training and education
- Worker participation and involvement in safety
- Subcontractor management
- Injury/incident reporting and investigations
- Drug and alcohol testing

Qualifications
Jason is Teichert's Regional Safety Manager and a Board Certified Safety Professional (BCSP), Safety Management Specialist (SMS), Construction Health and Safety Technician (CHST), and Certified Instructor Trainer (CIT). Jason is trained in COVID-19 infection prevention in construction for the State of California. He will implement an Injury and Illness Prevention Program (IIPP) to protect employees from all worksite hazards, including infectious diseases such as COVID-19.

FOREMAN
All of Teichert's foremen are handpicked for this project because of their major successes on numerous city managed water main projects. Teichert foremen run the day-to-day activities, starting with daily safety and pre-task meetings. They are responsible for carrying out the plan created by our management team and staying in close communication with the city inspection group and construction management team. Foremen also assist with answering any questions homeowners might have.

CREWS
Teichert's underground crews are comprised of 8 to 12 craft employees. If the task requires a smaller number of craft personnel, one foreman can comfortably manage two smaller groups of employees on the same project but typically will not manage a crew larger than 12.

Teichert has a total of 22 underground foreman and crews that work in the Greater Sacramento Region. We have selected and proposed these specific foreman and crews due to their experience with water meter and pipe replacement projects.

Teichert has the resources to add additional foreman and crews, if necessary, to start and run multiple phases simultaneously.

Potholing Crew – Typically consists of 2-3 craft employees

Traffic Control Crew – Typically consists of 4-5 craft employees

Underground Mainline Crew – Typically consists of 8-12 craft employees

Underground Service Crew – Typically consists of 8-12 craft employees

Concrete & Landscape Restoration – Typically consists of 3-5 craft employees per foreman for a restoration crew of this nature

SUB-CONSULTANTS
Teichert intends to hire/utilize the following first-tiered sub-consultants to facilitate successful completion of the project. ***All other work will be performed by Teichert staff.***

Geotechnical
Teichert will utilize a California licensed geotechnical engineer to conduct all material testing of trench backfill materials, concrete, and final asphalt pavement.

Corrosion
Teichert will hire a certified corrosion control consultant to perform post installation testing of the cathodic protection system. Teichert will install the cathodic protection system and the consultant will test for continuity.

Dewatering
Teichert will utilize a dewatering consultant to develop a dewatering plan and assist Teichert in the installation, operation and removal of the dewatering system, if required.

Striping and Markers
Teichert will utilize a licensed striping sub-contractor to replace all striping and markers damaged during construction.

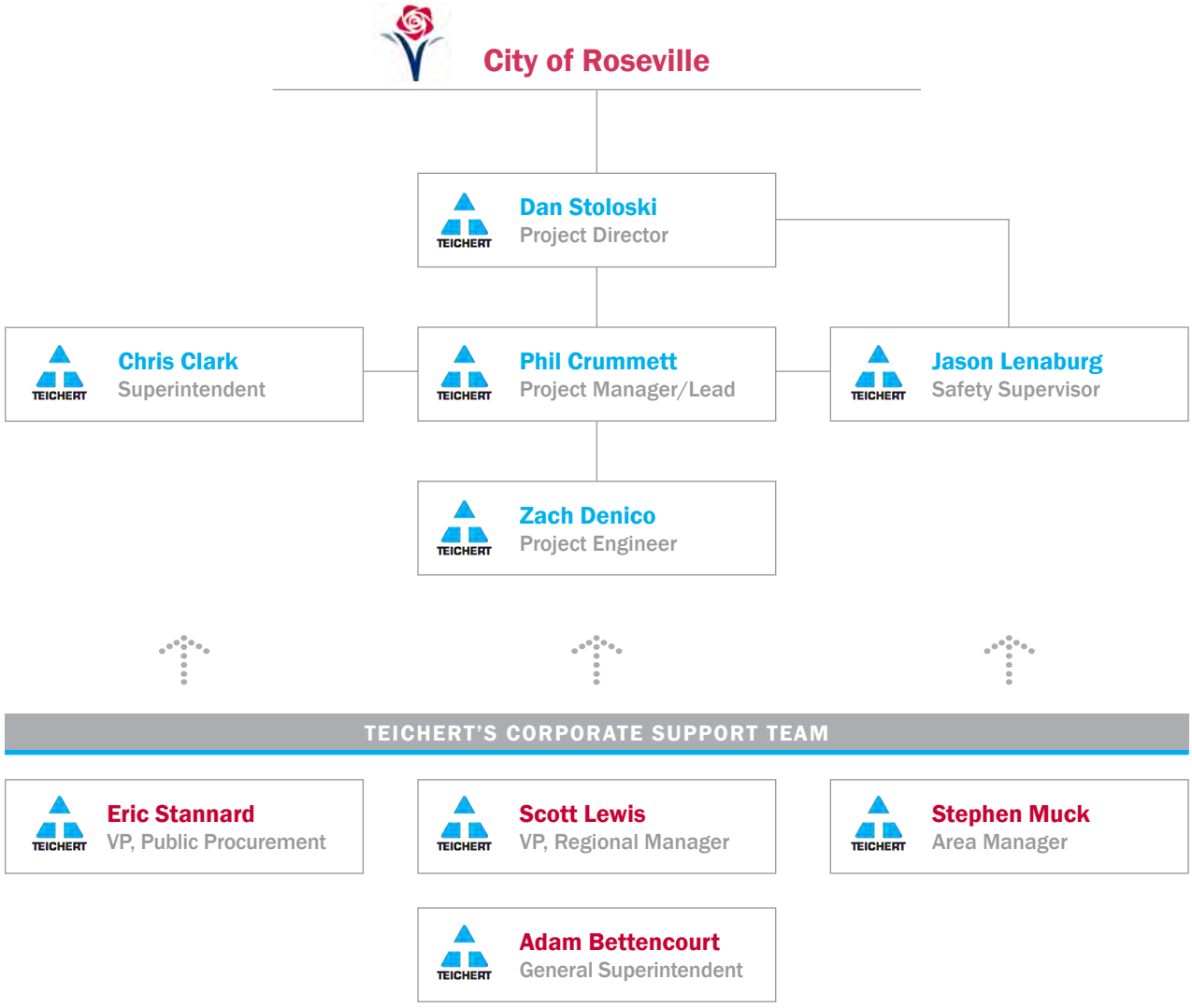
Surveyor
Teichert will hire a California licensed surveyor to perform staking on the project.

SWPPP
Teichert will utilize a qualified QSD to develop a project specific SWPPP plan.

ORGANIZATION CHART

Include a project organizational chart identifying roles and responsibilities.

Teichert has selected the following personnel based on experience and familiarity to provide you with the best team for your project. We are excited for the opportunity to continue our long working relationship with the City of Roseville.



TAB B

PROJECT UNDERSTANDING



TAB B
PROJECT UNDERSTANDING

Based on the available information, supplemental research, field observations, and experience with similar projects, provide a narrative describing your understanding of the services requested in this RFP. Describe what you see as the major challenges to achieving the City's stated goals. Identify any issues that you believe will require special consideration for this project.

This project consists of the installation of approximately 20,315' of water main, 348 water services, 29 new fire hydrants, 76 valves, 4 each 2" blow offs, and associated surface restoration. We will retain the services of a licensed surveyor, SWPPP developer, geotechnical engineer and corrosion control consultant to assist the project for the successful installation of the new domestic water system in the Hillcrest neighborhood. Teichert will also develop a dewatering plan, if necessary, and obtain the appropriate dewatering and water meter permits.

There are numerous issues that will require special consideration in order to successfully facilitate the seamless construction of this project. Our large portfolio of successfully completed public works water main and water service replacement projects positions us to be the best option to address the issues outlined below.

IMPACTS TO LOCAL RESIDENTS

The first major challenge, and arguably the most important, is minimizing impact to the local residents. Teichert will implement a phasing plan [see Tab C] and schedule [see Tab C] which we will follow throughout the duration of the project. Please note the following issues addressed by the phasing plan and schedule; Folsom Road is scheduled first for priority completion and St. Rose School will be performed when the school is not in session. The phasing plan, as proposed, provides the residents with a shorter duration of impact compared to general construction practices and will also allow the City to perform their overlay project in a more efficient manner. We will work through these phases in a continuous manner while finishing each phase as quickly as possible through utilizing multiple specialized crews. There are some businesses within the project boundaries which will not allow for daytime shutdowns to perform the water service cutovers; we have planned to perform the service cutovers for these businesses at night to limit the impact to the businesses during daytime business hours. Local residents will be allowed to travel through the work site accompanied by Teichert personnel, when necessary, ensuring that residents are never blocked either in or out of their homes.

We will make certain that perinate project information is available to residents through a multipronged approach which includes door hangars, telephone hotline, email address for questions and comments, and a project information website. We can also hold a virtual town hall meeting if the team feels that it will benefit the residents. The project information portals referenced above, will provide the public with 24/7 access to project information and emergency contacts. We will ensure that the residents understand the construction process of this specific project, so they know ahead of time the impacts and durations to expect. In our experience, educating the residents and establishing expectations has helped greatly improve their satisfaction of the project. Our COVID-19 safety program will also be available for the residents to view on the project website.

PUBLIC SAFETY

The safety of the traveling public is also one of Teichert's top priorities. This includes but is not limited to public notification, proper signage and stringent COVID-19 protocols. Teichert is known for keeping a clean and orderly job site which reduces safety hazards. Access for emergency traffic is something that we always consider when implementing our daily traffic control along with coordination of waste and mail services.

Comprehensive traffic control plans will be developed per MUTCD and PCMS boards on Folsom Road will provide additional notification to this high traffic area. Night work will be required on both Sunrise Blvd and Douglas Blvd where we will implement message boards and numerous light towers to provide proper notification and warning to the public in these areas. On the lower traffic residential areas, we will set up daily traffic control which will alert the public to road closures and possible detour routes while still allowing local residents safe access to their homes.

PARTNERING EXPERIENCE

Following keeping the public safe, we feel that based on our experience, developing a formal partnering program would be an asset to the successful completion of the project. This would allow everyone involved in the project to collaborate more effectively and build a stronger working relationship. Teichert will utilize our experience gained during 15+ water main service meter projects, coupled with our experience and relationship with the City of Roseville to conduct a thorough constructability review of the final design submittal drawings and specifications. We want to ensure that everyone understands each other's expectations and that the team is able to work collaboratively in the most efficient manner possible.

Some issues more directly related to the construction of this project; older neighborhoods lend themselves to lots of existing underground utilities which will need to be identified prior to construction begins. All potholing will be performed before construction begins to proactively identify any changes to the water main alignment that are required. This will eliminate inconvenience to residents from having to redesign the alignment during construction and will also allow adequate time for any necessary design changes and approval due to the DDR waiver required for this project.

PROJECT LOGISTICS

This project will also require special consideration to site logistics. We have identified an empty privately owned location onsite that will be utilized for storing materials and equipment. We will utilize this location to eliminate any material and equipment being stored in the project right of way at the end of the shift. Site logistics also encompasses the open daily communication between stakeholders.

There will be daily communication between the foreman and inspectors and weekly meetings between Teichert and the City staff. One of our main offices is located directly adjacent to one of the work areas and may be utilized for project meetings. This office houses large conference rooms which have virtual meeting capabilities, if needed.

Through these meetings, we will discuss any value engineering ideas that are identified and any constructability changes that arise throughout the project duration. Teichert also has a solid relationship with the building management at this location which will allow for a more streamlined coordination with the property owners during the construction on Sunrise Blvd and Frances Drive.

SELF-PERFORMED WORK

Teichert will self-perform the majority of the work for this project less striping, SWPPP development, survey, geotechnical testing, and corrosion testing. This provides us greater control over critical resources to mitigate schedule impacts, ensure quality, and streamline communication. This also allows our crews to obtain a higher level of competency for this specialized work which results in a more fluid and smooth-running project along with ensuring that all residents are satisfied with the end result.

Another difficult aspect of these water main and water meter replacement projects is the various surface restoration types. There are numerous surfaces that are encountered in older residential neighborhoods which include but are not limited to different types of landscaping, various concrete surfaces and at times, asphalt surfaces. Teichert crews have experience in all of these surface restoration types ensuring the resident is able to be satisfied with how their property looks after we are demobilized from the job site. We are able to utilize internal crews to perform 100% of this restoration work, ensuring an expedient and high-quality construction project.

OUR COMMITTMENT

Teichert's vast experience with this type of water main and service replacement project along with the rare situation of being able to perform all of the construction labor in-house, positions us to provide a smooth construction process while retaining the high quality of craftsmanship in which we are known for by owners around the state. The benefit of our dedicated local underground crews will be apparent from day one of construction.

Being a local contractor solidifies our committment to deliver exceptional service to the City of Roseville and its residents.

TAB C

PROJECT APPROACH



TAB C
PROJECT APPROACH

Provide a detailed narrative of your firm's approach to the successful implementation of this project. How will the challenges and issues identified in the Project Understanding (Tab B) be addressed or mitigated with your unique project approach? Include thorough discussions of methodologies you believe are essential to accomplishing this project, any unique approaches or strengths that your firm may have that will be relevant and advantageous to this project, and a description of your quality control process.

Provide information on your public notification process to ensure adequate and timely information is provided to the residents.

Provide a proposed work schedule and work sequence to accomplish all of the required tasks within the desired timeline.

Teichert's experience gained during our 15+ water main and service replacement projects over the last few years, coupled with our relationship with the City of Roseville, will allow for a thorough constructability review of the final design drawings and specifications. Below we lay out our unique approach to addressing and mitigating challenges to successfully facilitate a seamless construction project.

COMMUNICATION APPROACH WITH THE PUBLIC

Notifications (Pre-Construction) – We will utilize a mailer to describe the process, as well as provide a rough schedule of activities. This will give the public a general understanding of what to expect from Teichert throughout construction. Teichert will develop the mailer with input from the city to add any additional information or contacts. Teichert will also include an emergency contact along with an after-hours hotline number.

Notifications (During Construction) – Door hanger notifications will be placed 7 days prior to the beginning of construction in the affected area with a brief description of the work taking place along with the same contact numbers listed in the pre-construction notifications. The contact listed will be a representative of Teichert who has or can easily obtain intimate knowledge of the schedule and the current operations taking place each day on the site. Teichert will follow our COVID-19 safety program throughout this process.

Signs stating "No Parking" will be placed 72 hours in advance of work in the impacted area, giving residents time to make arrangements if vehicles need to be moved.

24-hour notifications – Door hangers will be placed 24 hours prior to any water shut-downs, surface restoration and any other work directly affecting the residents and their properties. This notification will again provide a contact number for the affected residents which they can utilize for project specific information or to discuss special coordination that may need to take place.

Website notification – Teichert will set up a project specific website with general project information, phasing map, construction dates, and emergency phone numbers.

An added option that Teichert has done on previous projects is host a town hall meeting for all affected businesses and residents prior to mobilization to introduce the project and answer any questions. Due to the COVID-19 pandemic, this can be hosted virtually, allowing all residents and businesses to attend.

COMMUNICATION WITH THE CITY

Teichert foremen and project engineers will have daily communication with the project inspection staff. The daily activities will be communicated as well as any potential challenges related to safety or logistics along with any upcoming challenges or support needed by the city.

The project engineer will review the quantities daily with city representatives, so all parties are in agreement with the progression of work completed. This will streamline the progress

payment process at the end of each month. Teichert has developed a few different quantity tracking spreadsheets. In collaboration with the city, we will implement a project specific spreadsheet that will detail all pertinent information regarding the daily activities.

Teichert will hold weekly scheduling meetings with all applicable personnel from the project team including the design team, resident engineer, inspectors, superintendents, projects managers and foremen. This meeting will address any outstanding action items from the city and/or the project team as well as a schedule update of progress and upcoming work to be performed. The meeting agenda will be crafted by both Teichert and the city to capture all topics needing discussion and/or follow up. These weekly meetings can be held virtually to allow for greater participation among stakeholders.

DESIGN-ASSIST

Teichert will develop a cooperative partnership with the client and design team through the implementation of a formal partnering process. Teichert's expertise will allow for design challenges to be identified during the potholing and utility verification phase and addressed in order of importance based on the full CPM schedule. With the use and implementation of the construction productivity software, PlanGrid, Teichert and the City of Roseville can work together and share information in a seamless fashion throughout the life cycle of the project.

Teichert has a long-standing relationship with our suppliers and plans to include their expertise during the initial design review to propose value engineering measures.

At Teichert, safety is always our number one priority for both our employees as well as the members of the community in which we work. Teichert has developed a comprehensive safety program that is continually reviewed and amended by Teichert safety professionals. Teichert has already implemented a thorough COVID-19 safety program that meets or exceeds the frequently updated CDC and local government agency recommendations. This plan is executed daily with our crews and is available for city or resident review upon request. Teichert has also developed a smart phone app that allows employee access to our most up-to-date version of the Teichert Code of Safe Practices.

Comprehensive traffic control plans will be developed per MUTCD/ATSSA and will be implemented for areas where traffic or pedestrians will be affected.

CONSTRUCTION WORK PLAN

Prior to construction, Teichert will submit on all materials that will be used on the project for approval by the City of Roseville. In addition, Teichert will take pre-construction videos and pictures documenting pre-existing conditions of all areas of the project that may be impacted by construction activities.

Teichert will prioritize potholing by performing this scope of work first before starting all other construction activities in the field. We plan to utilize two pothole crews in order to expedite this process and ensure that the project is completed by the city's desired milestone.

Teichert plans to start on Folsom Road, then move throughout the other four phases in a seamless sequence. We understand St. Rose School's summer break begins June 3, 2021 and ends August 16, 2021. Teichert has developed our phasing plan to minimize the impact to school traffic.

Teichert plans to utilize four major construction crews to expedite and complete the project in as little time as possible. Our five crews will consist of two pothole crews, a mainline crew and a concrete and landscape restoration crew. We have found this crew composition to be the most effective utilization of resources resulting in the lowest impact to the residents. Each crew will be accompanied by a foreman. The pothole crews will consist of 2 to 3 craft employees while the mainline and service crews will each consist of 8 to 12 craft employees. In addition, we will also have a concrete and landscape restoration crew which will consist of 3 to 5 craft employees and will replace any concrete hardscape and landscape as needed.

Potholing

During this phase, we will begin construction with the potholing crews first, locating all existing utilities in the phase prior to any excavation being performed. Any utility conflicts will be resolved ahead of time, mitigating utility hits and work stoppage in the field. Time will be allowed for a constructability review and any design changes prior to the installation of the mainline.

During our potholing investigation, we will provide the designer with GPS coordinates and elevations for all utilities. We will provide a comprehensive pothole plan and software to facilitate collaboration with the design team.

Mainline Crew

The mainline crew will begin work after all potholing has been completed, installing the mainline pipe and fire hydrants. This crew will perform all saw-cutting, excavation, installation of mainline pipe and backfill of the trench. This crew will also pave back the trench at the end of each workday keeping the site neat and orderly which will minimize disturbance to the residents and pedestrians. Teichert plans to temporarily patch back the pavement with hot mix asphalt. This product has proven to be superior to cold mix, which can require additional maintenance until the final restoration is performed.

Service Crew

Following the mainline crew, our service crew will install all new water services and tie into the existing water meters. This crew will perform the final cut-in and flush the service line at the residents hose bib. This crew is highly experienced in performing this scope of work which leads to an expedient shutdown and minimal impact to the residents.

Concrete and Landscape Restoration

Whenever any meter boxes are installed in the sidewalk or driveway, our concrete and landscape restoration crew will pour back the concrete. This crew will also be able to restore any landscape displaced during the construction process. We feel that this separate crew helps minimize the time of sidewalks being unrestored which can create a hazard to pedestrians. Teichert will work closely with the residents on the coordination of private property restoration.

QUALITY CONTROL

Teichert's project-specific Quality Assurance and Quality Control (QA/QC) plan will be based on the project plans and specifications and consist of both QA and QC components that are assigned to specific project team members and will employ our ***"Plan, Do, Check, Act"*** process.

Quality assurance (QA), the set of processes used to measure and assure the quality of the work, will be one of the functions of Teichert's management team, shown on the organization chart in Tab A. In short, the management team will make sure that the field operations group does the right thing, the right way—the ***"Plan and Do"*** aspects of the QA/QC Plan.

Weekly internal meetings will take place as well as onsite QA audits between the management staff and the field operations group. The QA reviews and audits will be performed by the project engineer on a weekly basis and the project manager will follow up with a biweekly audit. The QC, or process of ensuring that the work meets the requirements of the specifications and drawings, will be performed by the foremen and project engineer daily—the ***"Check and Act"*** elements of our process.

Teichert's approach to QC in the field starts with assigning the right people with the right skills and training. Teichert foremen have managerial roles, so they typically do not run equipment or perform labor with the rest of the crew. The foremen are responsible for carefully reviewing the plans and specifications, laying out the work ahead of their crew, checking progress, and recording tasks that were completed.

The foremen will work closely with the management team regularly to notify residents via door hangers and no-parking signs in accordance with the contract documents. They will also work alongside the project engineer to record all pothole data, service data, and daily quantities.

The management team will assist in the QC process by providing the foremen with additional tools such as spreadsheets with addresses that contain pertinent information, plan changes, RFI responses, and special homeowner situations. We feel this will increase communication between the field operations and the management team for Teichert and representatives of the city.

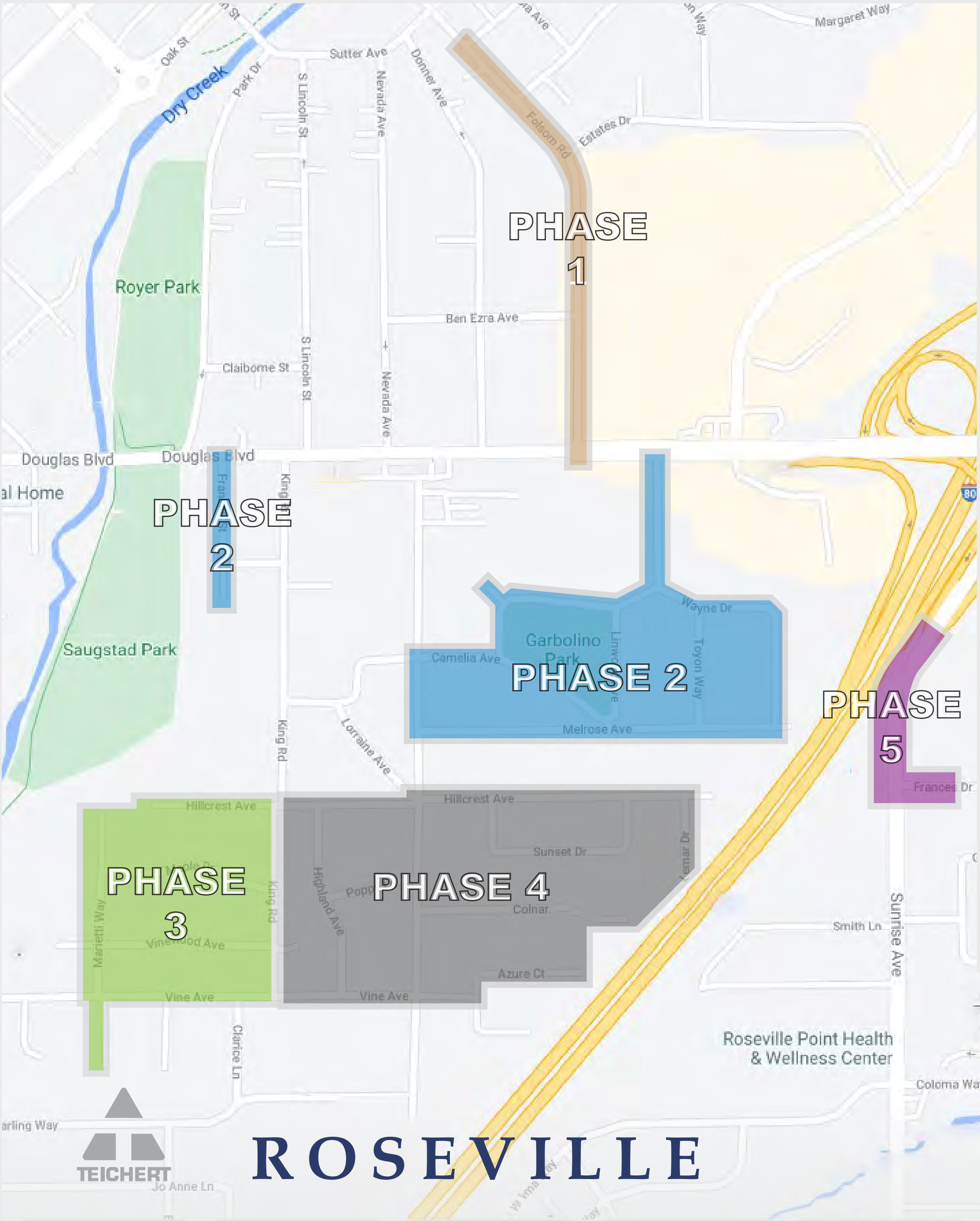
Geotechnical and Corrosion

Teichert will partner with the city to choose geotechnical and corrosion testing firms that the city trusts and approves through the submittal phase of the project.

Teichert has worked with most of these firms throughout the years in and around the City of Roseville. Our outstanding relationships with these firms will allow for the construction to flow seamlessly while providing the city with assurance that they are getting the high quality of work that is expected.

Through our city approved geotechnical firm, we will ensure that the proper backfill material is supplied and placed per the city's specifications. This firm will also ensure proper concrete strength along with asphalt compaction through laboratory and field testing.

Through our city approved corrosion control testing firm, we will confirm the proper installation of bond jumpers and test stations per the plans and specifications.



PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5
-1,933' of Pipe -1 Fire Hydrant -32 Water Services -7 Tie-ins	-6,579' of Pipe -12 Fire Hydrants -119 Water Services -5 Tie-ins	-3,906' of Pipe -6 Fire Hydrants -67 Water Services -5 Tie-ins	-6,563' of Pipe -10 Fire Hydrants -135 Water Services -6 Tie-ins	-267' of Pipe -1 Fire Hydrant -1 Water Service -6 Tie-ins -Night Work

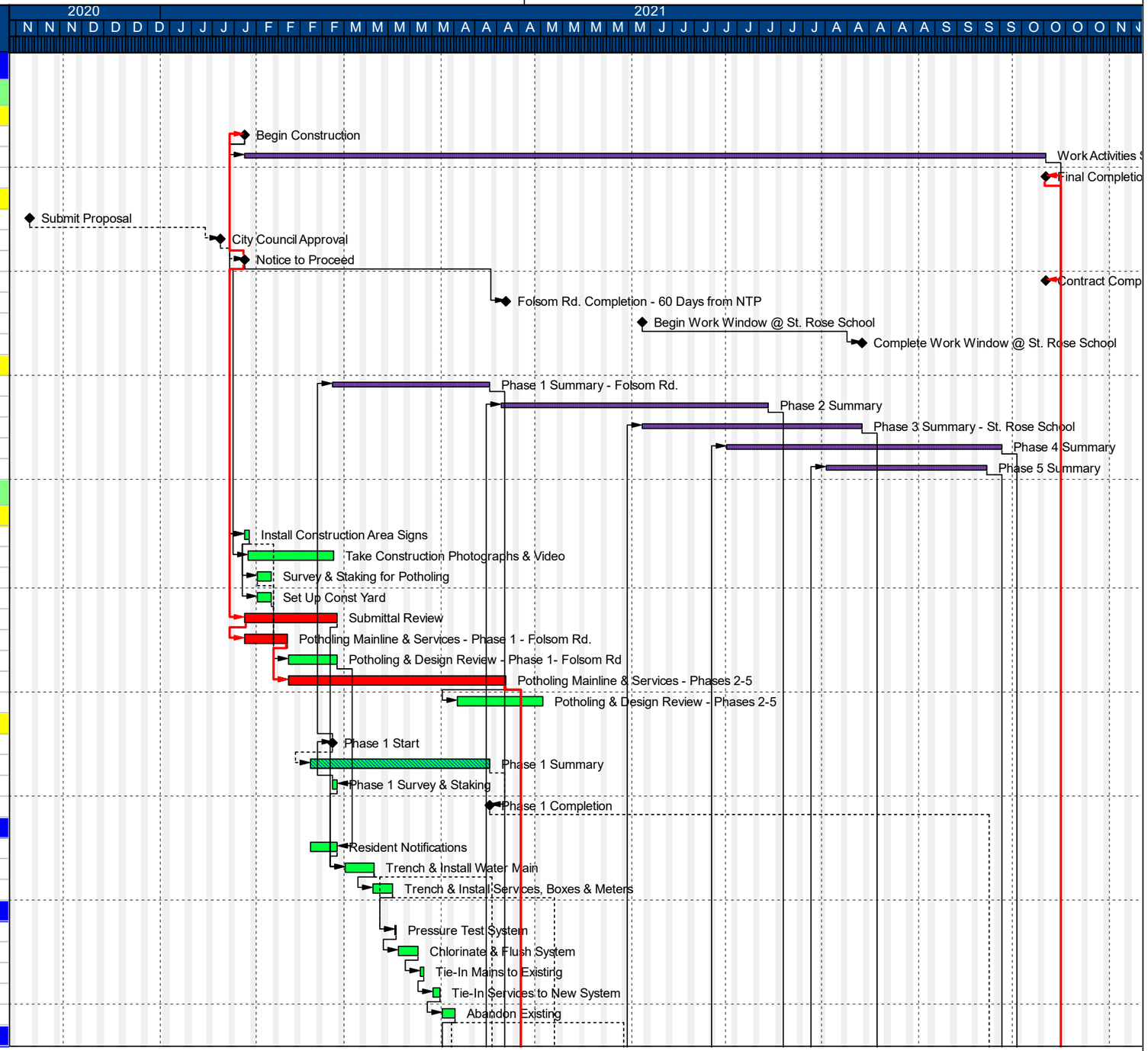
City of Roseville Downtown Water Mains Replacement

08. Print Layout

Data Date: 06-Apr-20

17-Nov-20

Activity ID	Activity Name	Planned Duration	Start	Finish
City of Roseville Downtown Water Mains Replacement Project Hillcrest - Rev				
Time Management				
Actual Time				
ACTTIME.0900	Begin Construction	0	28-Jan-21*	
ACTTIME.1000	Work Activities Summary	183	28-Jan-21	11-Oct-21
ACTTIME.1020	Final Completion	0		11-Oct-21
Contract Time				
TIME.1000	Submit Proposal	0	20-Nov-20*	
TIME.1010	City Council Approval	0	20-Jan-21*	
TIME.1020	Notice to Proceed	0	28-Jan-21*	
TIME.1040	Contract Completion Date	0		11-Oct-21*
TIME.1050	Folsom Rd. Completion - 60 Days from NTP	0		21-Apr-21
TIME.1060	Begin Work Window @ St. Rose School	0	04-Jun-21*	
TIME.1070	Complete Work Window @ St. Rose School	0		13-Aug-21
Phase Summary				
PHSUM.1000	Phase 1 Summary - Folsom Rd.	37	25-Feb-21	16-Apr-21
PHSUM.1010	Phase 2 Summary	62	20-Apr-21	14-Jul-21
PHSUM.1020	Phase 3 Summary - St. Rose School	51	04-Jun-21	13-Aug-21
PHSUM.1030	Phase 4 Summary	63	01-Jul-21	27-Sep-21
PHSUM.1040	Phase 5 Summary	38	02-Aug-21	22-Sep-21
Improvements				
PreConstruction Activities				
PRE.1000	Install Construction Area Signs	2	28-Jan-21	29-Jan-21
PRE.1010	Take Construction Photographs & Video	20	29-Jan-21	25-Feb-21
PRE.1015	Survey & Staking for Potholing	5	01-Feb-21	05-Feb-21
PRE.1020	Set Up Const Yard	5	01-Feb-21	05-Feb-21
PRE.1025	Submittal Review	20	28-Jan-21	26-Feb-21
PRE.1029	Potholing Mainline & Services - Phase 1 - Folsom	10	28-Jan-21	10-Feb-21
PRE.1030	Potholing & Design Review - Phase 1- Folsom Rd	10	11-Feb-21	26-Feb-21
PRE.1050	Potholing Mainline & Services - Phases 2-5	50	11-Feb-21	21-Apr-21
PRE.1060	Potholing & Design Review - Phases 2-5	20	06-Apr-21	03-May-21
Phase 1 - Folsom Rd				
PH1.1000	Phase 1 Start	0	25-Feb-21	
PH1.1010	Phase 1 Summary	42	18-Feb-21	16-Apr-21
PH1.1020	Phase 1 Survey & Staking	2	25-Feb-21	26-Feb-21
PH1.2000	Phase 1 Completion	0		16-Apr-21
Mainline & Services Phase				
PH1.ML.1000	Resident Notifications	7	18-Feb-21	26-Feb-21
PH1.ML.1010	Trench & Install Water Main	8	01-Mar-21	10-Mar-21
PH1.ML.1020	Trench & Install Services, Boxes & Meters	5	10-Mar-21	16-Mar-21
Testing & Tie-In Phase				
PH1.TEST.1000	Pressure Test System	1	17-Mar-21	17-Mar-21
PH1.TEST.1010	Chlorinate & Flush System	5	18-Mar-21	24-Mar-21
PH1.TEST.1020	Tie-In Mains to Existing	2	25-Mar-21	26-Mar-21
PH1.TEST.1030	Tie-In Services to New System	3	29-Mar-21	31-Mar-21
PH1.TEST.1040	Abandon Existing	3	01-Apr-21	05-Apr-21
Restoration Activities Phase				



Remaining Level of Effort | Actual Work | Critical Remaining Work | WBS Summary

Actual Level of Effort | Remaining Work | Milestone

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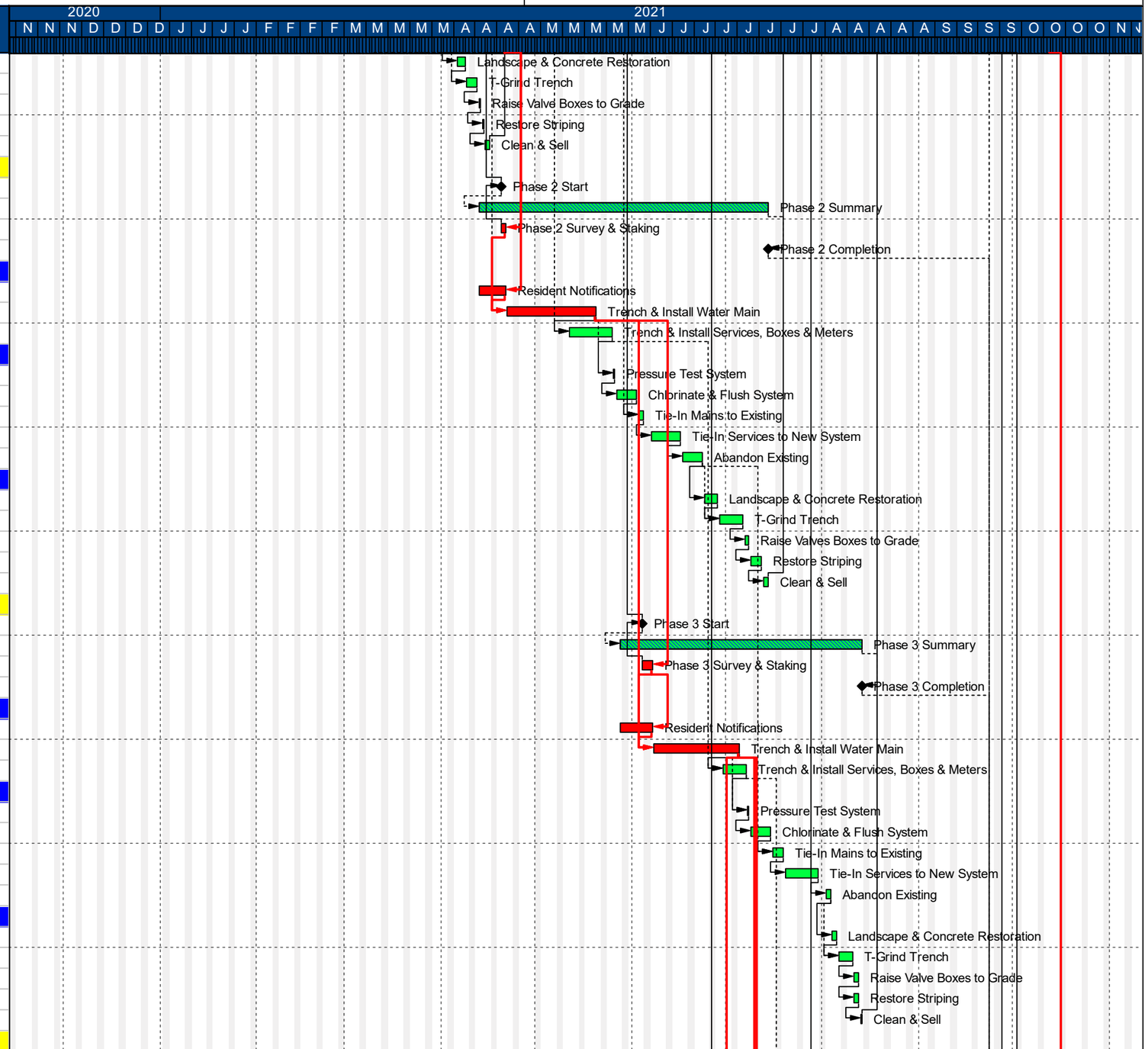
City of Roseville Downtown Water Mains Replacement

08. Print Layout

Data Date: 06-Apr-20

17-Nov-20

Activity ID	Activity Name	Planned Duration	Start	Finish
PH1.REST.1100	Landscape & Concrete Restoration	3	06-Apr-21	08-Apr-21
PH1.REST.1400	T-Grind Trench	2	09-Apr-21	12-Apr-21
PH1.REST.1600	Raise Valve Boxes to Grade	1	13-Apr-21	13-Apr-21
PH1.REST.1800	Restore Striping	1	14-Apr-21	14-Apr-21
PH1.REST.1900	Clean & Sell	2	15-Apr-21	16-Apr-21
Phase 2 - Bonny Knoll/Melrose				
PH2.1000	Phase 2 Start	0	20-Apr-21	
PH2.1010	Phase 2 Summary	67	13-Apr-21	14-Jul-21
PH2.1020	Phase 2 Survey & Staking	2	20-Apr-21	21-Apr-21
PH2.2000	Phase 2 Completion	0		14-Jul-21
Mainline & Services Phase				
PH2.ML.1000	Resident Notifications	7	13-Apr-21	21-Apr-21
PH2.ML.1010	Trench & Install Water Main	21	22-Apr-21	20-May-21
PH2.ML.1020	Trench & Install Services, Boxes & Meters	10	12-May-21	25-May-21
Testing & Tie-In Phase				
PH2.TEST.1000	Pressure Test System	1	26-May-21	26-May-21
PH2.TEST.1010	Chlorinate & Flush System	5	27-May-21	02-Jun-21
PH2.TEST.1020	Tie-In Mains to Existing	2	03-Jun-21	04-Jun-21
PH2.TEST.1030	Tie-In Services to New System	8	07-Jun-21	16-Jun-21
PH2.TEST.1040	Abandon Existing	5	17-Jun-21	23-Jun-21
Restoration Activities Phase				
PH2.REST.1100	Landscape & Concrete Restoration	3	24-Jun-21	28-Jun-21
PH2.REST.1400	T-Grind Trench	6	29-Jun-21	06-Jul-21
PH2.REST.1600	Raise Valves Boxes to Grade	2	07-Jul-21	08-Jul-21
PH2.REST.1800	Restore Striping	2	09-Jul-21	12-Jul-21
PH2.REST.1900	Clean & Sell	2	13-Jul-21	14-Jul-21
Phase 3 - Hillcrest West/School				
PH3.1000	Phase 3 Start	0	04-Jun-21	
PH3.1010	Phase 3 Summary	56	28-May-21	13-Aug-21
PH3.1020	Phase 3 Survey & Staking	2	04-Jun-21	07-Jun-21
PH3.2000	Phase 3 Completion	0		13-Aug-21
Mainline & Services Phase				
PH3.ML.1000	Resident Notifications	7	28-May-21	07-Jun-21
PH3.ML.1010	Trench & Install Water Main	20	08-Jun-21	05-Jul-21
PH3.ML.1020	Trench & Install Services, Boxes & Meters	6	30-Jun-21	07-Jul-21
Testing & Tie-In Phase				
PH3.TEST.1000	Pressure Test System	1	08-Jul-21	08-Jul-21
PH3.TEST.1010	Chlorinate & Flush System	5	09-Jul-21	15-Jul-21
PH3.TEST.1020	Tie-In Mains to Existing	2	16-Jul-21	19-Jul-21
PH3.TEST.1030	Tie-In Services to New System	9	20-Jul-21	30-Jul-21
PH3.TEST.1040	Abandon Existing	2	02-Aug-21	03-Aug-21
Restoration Activities Phase				
PH3.REST.1100	Landscape & Concrete Restoration	2	04-Aug-21	05-Aug-21
PH3.REST.1400	T-Grind Trench	3	06-Aug-21	10-Aug-21
PH3.REST.1600	Raise Valve Boxes to Grade	2	11-Aug-21	12-Aug-21
PH3.REST.1800	Restore Striping	2	11-Aug-21	12-Aug-21
PH3.REST.1900	Clean & Sell	1	13-Aug-21	13-Aug-21
Phase 4 - Hillcrest East				



Remaining Level of Effort | Actual Work | Critical Remaining Work | WBS Summary

Actual Level of Effort | Remaining Work | Milestone

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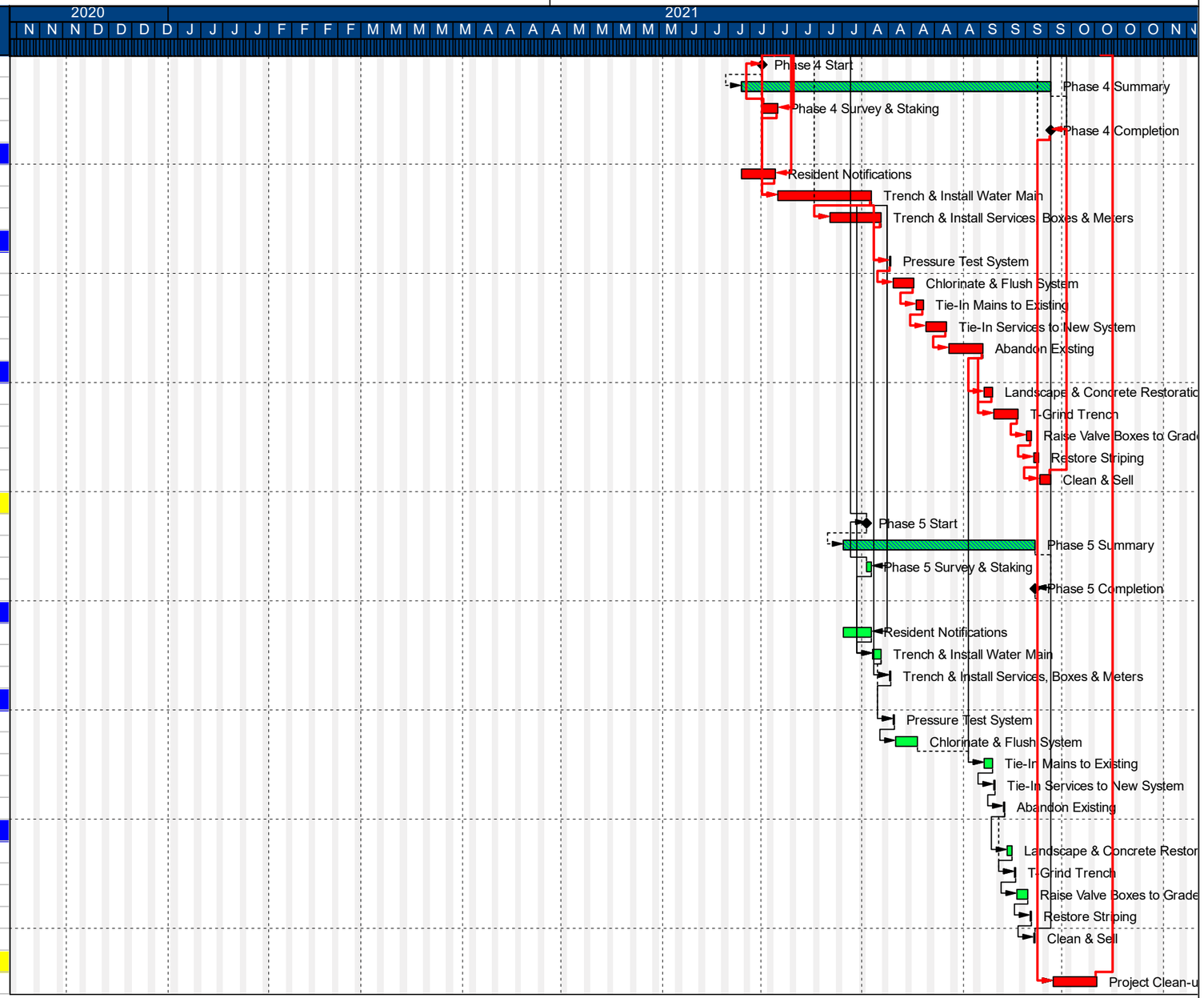
City of Roseville Downtown Water Mains Replacement

08. Print Layout

Data Date: 06-Apr-20

17-Nov-20

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PH4.1000	Phase 4 Start	0	01-Jul-21	
PH4.1010	Phase 4 Summary	67	25-Jun-21	27-Sep-21
PH4.1020	Phase 4 Survey & Staking	2	01-Jul-21	06-Jul-21
PH4.2000	Phase 4 Completion	0		27-Sep-21
Mainline & Services Phase				
PH4.ML.1000	Resident Notifications	7	25-Jun-21	05-Jul-21
PH4.ML.1010	Trench & Install Water Main	21	06-Jul-21	03-Aug-21
PH4.ML.1020	Trench & Install Services, Boxes & Meters	12	22-Jul-21	06-Aug-21
Testing & Tie-In Phase				
PH4.TEST.1000	Pressure Test System	1	09-Aug-21	09-Aug-21
PH4.TEST.1010	Chlorinate & Flush System	5	10-Aug-21	16-Aug-21
PH4.TEST.1020	Tie-In Mains to Existing	3	17-Aug-21	19-Aug-21
PH4.TEST.1030	Tie-In Services to New System	5	20-Aug-21	26-Aug-21
PH4.TEST.1040	Abandon Existing	7	27-Aug-21	06-Sep-21
Restoration Activities Phase				
PH4.REST.1100	Landscape & Concrete Restoration	3	07-Sep-21	09-Sep-21
PH4.REST.1400	T-Grind Trench	6	10-Sep-21	17-Sep-21
PH4.REST.1600	Raise Valve Boxes to Grade	2	20-Sep-21	21-Sep-21
PH4.REST.1800	Restore Striping	2	22-Sep-21	23-Sep-21
PH4.REST.1900	Clean & Sell	2	24-Sep-21	27-Sep-21
Phase 5 - Sunrise Ave - NIGHT WORK				
PH5.1000	Phase 5 Start	0	02-Aug-21	
PH5.1010	Phase 5 Summary	43	26-Jul-21	22-Sep-21
PH5.1020	Phase 5 Survey & Staking	2	02-Aug-21	03-Aug-21
PH5.2000	Phase 5 Completion	0		22-Sep-21
Mainline & Services Phase				
PH5.ML.1000	Resident Notifications	7	26-Jul-21	03-Aug-21
PH5.ML.1010	Trench & Install Water Main	3	04-Aug-21	06-Aug-21
PH5.ML.1020	Trench & Install Services, Boxes & Meters	1	09-Aug-21	09-Aug-21
Testing & Tie-In Phase				
PH5.TEST.1000	Pressure Test System	1	10-Aug-21	10-Aug-21
PH5.TEST.1010	Chlorinate & Flush System	5	11-Aug-21	17-Aug-21
PH5.TEST.1020	Tie-In Mains to Existing	3	07-Sep-21	09-Sep-21
PH5.TEST.1030	Tie-In Services to New System	1	10-Sep-21	10-Sep-21
PH5.TEST.1040	Abandon Existing	1	13-Sep-21	13-Sep-21
Restoration Activities Phase				
PH5.REST.1100	Landscape & Concrete Restoration	2	14-Sep-21	15-Sep-21
PH5.REST.1400	T-Grind Trench	1	16-Sep-21*	16-Sep-21
PH5.REST.1600	Raise Valve Boxes to Grade	2	17-Sep-21	20-Sep-21
PH5.REST.1800	Restore Striping	1	21-Sep-21	21-Sep-21
PH5.REST.1900	Clean & Sell	1	22-Sep-21	22-Sep-21
Project Close Out				
PCO.1000	Project Clean-up	10	28-Sep-21	11-Oct-21



Remaining Level of Effort | Actual Work | Critical Remaining Work | WBS Summary

Actual Level of Effort | Remaining Work | Milestone

TEICHERT

TAB D

EXPERIENCE AND REFERENCES



TAB D
EXPERIENCE AND REFERENCES

Provide a summary of your firm's experience in providing these or similar services.

Provide a minimum of three (3) references for projects or services similar in nature and scope that your firm's team members have completed in the last five (5) years.

Include brief descriptions of the projects, dates, a list of proposed staff that were part of the project, client names and contact persons' names, addresses and telephone numbers. Public sector references are preferred.

The following projects are examples of relevant public sector work. Completed within the last 5 years, these projects reflect our most recent completed water main project experience.

These projects:

- ALL have front yard and/or common interest development easements for service installation
- ALL required development and deployment of homeowner notifcation and coordination of activities and follow up
- ALL collectively included approximately 170,000+ linear feet of water pipelines
- ALL collectively included installation of 8,000+ new services
- ALL required the same underground construction techniques utilized in accordance with AWWA standards
- ALL required working around existing utilities that may or may not be identified on project documents and drawings
- ALL included additional and subsequent contract awards for the same client
- ALL were completed on or ahead of schedule
- ALL include surface restoration that was performed by Teichert

Our experience with the scope of work that will be required from the City of Roseville dates much further back than 5 years. Our expertise comes from lessons learned. These experiences have helped keep our projects on schedule, avoiding cost overruns while maintaining good working relationships with residents and the public.

We know that underground jobs in populated areas that involve digging around existing utilities present a risk of damaging unmarked utilities. We have found that constant communication and coordination with our clients and 811 responders, and diligent potholing significantly reduces this risk. We have a COVID-19 safety plan that we will follow at all times.

Timely and friendly communications with residents which keeps them informed about the work that is coming up is essential to a seamless project. Our foreman and crews go out of their way to help and make sure the residents are happy with the job Teichert has done. We have developed an identification badging system to help homeowners recognize Teichert employees and give them peace of mind.

Through our experience with working in local communities, Teichert has become a highly skilled team that understands the sensitivity of working in and around private yards. We are aware and committed to serving the communities we work and live in. This is in alignment with our core values: ***builidng, trust and tradition.***



1 TRADEWINDS PIPELINE REPLACEMENT & WATER METER RETROFIT **Sacramento, CA**

Teichert installed residential water meters to businesses and other non-residential properties. Scope elements included front/back yard meters and services (442 each) and pipeline replacement (1,659 LF). Challenges included the following:

- One of the **main project challenges was working with a school adjacent to the project area.** Coordination with the school leaders was key to avoid interruption of daily school activities.
- **Early communication and coordination with homeowners alleviated many concerns** they had. We worked diligently to ensure the least amount of inconvenience to the owner, along with restoring the aesthetic aspects of properties timely and correctly.

Client City of Sacramento
Chris Estep, PSOMAS
1550 Harbor Blvd.
West Sacramento, CA 95691
(530) 401-1576
cestep@psomas.com

Date Completed 2018

Proposed Staff on the Project
Dan Stoloski, Zach Denico, Chris Clark, Jason Lenaburg



2 NORTH SACRAMENTO PIPELINE REPLACEMENT AND WATER METER RETROFIT **Sacramento, CA**

Client
City of Sacramento
Chris Estep, PSOMAS
1550 Harbor Blvd.
West Sacramento, CA 95691
(530) 401-1576
cestep@psomas.com

Date Completed 2018

Proposed Staff on the Project
Dan Stoloski
Zach Denico
Chris Clark
Jason Lenaburg

- Front/Back Yard Meters & Services = 2,470 EA
- Pipeline Replacement = 33,258 LF
- This project consisted of water meter retrofits, new drilled services, and the installation of over 6 miles of new water main.
- We also had to expose the existing water mains in the streets and run new services when the existing service material was found to be substandard.
- We promptly informed the City as issues were exposed by Teichert field crews. The City appreciated our communication and provided prompt resolutions. The great teaming ability between Teichert and the City has fostered an excellent relationship.
- Teichert utilized the foreman as the point of contact with the public, which expedited resolution of any issues with the public.



3

LAND PARK PHASE 1

METERS AND WATER MAINS

Sacramento, CA

BRIEF DESCRIPTION

Teichert placed approximately 60,000 LF of 6 foot, 8 foot and 12 foot distribution main and 1,510 service meters ranging from 1 to 4 inches. Challenges included the following:

- There were many known and unknown utilities to trench and drill around.
- We focused our efforts on potholing utilities before trenching began and provided accurate data to the trenching/drilling crews.
- The project manager's phone number was on every notice handed out to the public. During high-volume activities, multiple Teichert personnel took calls and followed up to make sure all questions and issues were resolved.
- The project involved ongoing communications with residents and resulted in positive feedback in support of the city's program. The City of Sacramento and Teichert's success was featured on the local television news and can be seen at: https://www.youtube.com/watch?v=vKaHqMqYICE&feature=youtu.be

Date Completed

2016

Proposed Staff on the Project

Dan Stoloski
Zach Denico
Chris Clark
Jason Lenaburg

Client (contact, address, phone, email

City of Sacramento
Chris Estep, PSOMAS
1550 Harbor Blvd.
West Sacramento, CA 95691
(530) 401-1576
cestep@psomas.com

4 MAROA HEIGHTS PHASE II
Fresno, CA



Client
City of Fresno
Bryan Doi
2600 Fresno Street
Fresno, CA 93721
(559) 621-1151

Date Completed
April 2020

Proposed Staff on the Project
Eric Stannard

Teichert furnished and installed approximately 9,338 lineal feet of 8" water main and 3,340 lineal feet of 12" water main. New water services were provided to 186 lots and service transfers were performed at those locations. The project also included the installation of 22 fire hydrants, 996 lineal feet of 15" storm drain, 4 manholes and 1 drain inlet.



5 TABLE MEADOW
DFWLE **Grass Valley, CA**

Teichert installed approximately 7,232 feet of 8-inch diameter ductile iron pipe, 42 single service connections, three double service connections (high pressure services) and associated pipe and other appurtenances. The scope of work also included surface restoration for both paved and unpaved areas.

Client
Nevada Irrigation District
Adrian Schneider
1036 West Main Street
Grass Valley, CA 95945
(530) 271-6839
schneider@nidwater.com

Date Completed July 2020

Proposed Staff on the Project
Eric Stannard
Jason Lenaburg

TAB E

REQUIRED STATEMENTS/DOCUMENTS



TAB E
REQUIRED STATEMENTS & DOCUMENTS

Include statements of assurance

Teichert certifies the following statements:

- Teichert will not substitute for the designated members of the team without approval by City staff (Section 6.0).
- Teichert conforms to the absence of a conflict of interest (Section 11.4).
- Teichert has the ability and agrees to fulfill the indemnification and insurance requirements contained in the sample contract (Section 11.7).
- Teichert hereby certifies that nothing contained in the submitted proposal will be proprietary.



Eric Stannard, VP of Public Procurement

November 20, 2020
Date

Attachment A – PROPOSER'S CERTIFICATION

I hereby propose to furnish the goods or services specified in the Request for Proposals ("RFP"). I agree that my proposal will remain firm for a period of up to ninety (90) days in order to allow the City of Roseville ("City") adequate time to evaluate the qualifications submitted.

I have carefully examined the Request for Proposals and any other documents accompanying or made a part of this RFP. The information contained in this proposal is true and correct to the best of my knowledge and is signed under penalty of perjury under the laws of the State of California. I further certify that I am duly authorized to submit this proposal on behalf of the firm as its authorized agent and that the firm is ready, willing and able to perform if awarded the contract.

I further certify that this proposal is made without prior understanding, agreement, connection, discussion, or conspiracy with any other person, firm or corporation submitting a proposal for the same product or service; that this proposal is fair and made without outside control, collusion, fraud or illegal action; that no officer, employee or agent of the City or any other proposer is financially interested in said proposal; that no undue influence or pressure was used against or in concert with any officer, employee or agent of the City in connection with the award or terms of the contract that will be executed as a result of this RFP; and that the undersigned executed this Proposer's Certification with full knowledge and understanding of the matters therein contained and was duly authorized to do so.

A. Teichert & Son, Inc. dba Teichert Construction
NAME OF BUSINESS

X 
SIGNATURE

Eric D. Stannard - Vice President Public Works
NAME & TITLE, TYPED OR PRINTED

400 Sunrise Avenue, Suite 300; Roseville, CA 95661
MAILING ADDRESS

916-757-6400
TELEPHONE NUMBER

EStannard@teichert.com
EMAIL

Type of Organization:

____	Sole Proprietorship	
X	Corporation	**California** State of Incorporation
____	Partnership	
____	Limited Liability Company	

The undersigned Proposer acknowledges receipt, understanding, and full consideration of the following Addenda:

Table A.1 – Acknowledgement of Addenda

Addendum Number	Addendum Date	Signature of Proposer
1	10/29/20	
2	11/9/20	
3	11/12/20	

Table A.2 - Certification if proposing firm is a **Sole Proprietorship:**

Name (typed or printed):	N/A		
By:			
	(Individual's signature)		
Doing business as:			
Business Address:			
Phone Number:	( )	FAX Number:	( )
Email Address of Authorized Representative:			

Table A.3 - Certification if proposing firm is a **Partnership**

Partnership Name (typed or printed):	**N/A**		
By:			
	(Signature of general partner- attach evidence of authority to sign)		
Name (typed or printed):			
Business Address:			
Phone Number:	( )	FAX Number:	( )
Email Address of Authorized Representative:			

Table A.4 - Certification if proposing firm is a **Corporation:**

Corporation Name (typed or printed):	**A. Teichert & Son, Inc. dba Teichert Construction**
State of Incorporation: **California**	
By: X Eric Stannard	
	(Signature - attach evidence of authority to sign – Board Resolution)
Name (typed or printed): **Eric D. Stannard**	
Title: **Vice President Public Works**	
(CORPORATE SEAL)	

Attest:		***SEE ATTACHED CORPORATE RESOLUTION**	
		(Signature of Corporate Secretary)	
Name: **Paula D. James - Secretary**			
Date of Qualification to do business:			
Business Address: **400 Sunrise Avenue, Suite 300** **Roseville, CA 95661**			
Phone Number:	**(916) 757-6400**	FAX Number:	**(916) 757-6499**
Email Address of Authorized Representative:		**EStannard@teichert.com**	

***If person executing on behalf of a Corporation is not the President or Vice President, evidence of authority to sign on behalf of Corporation must be attached.**

Table A.5 - Certification if proposing firm is a **Limited Liability Company:**

Limited Liability Company Name:		**N/A**	
By:			
		(Signature of Managing Member - attach evidence of authority to bind the LLC under the LLC's articles of organization)	
Name (typed or printed):			
Title:			
Business Address:			
Phone Number:	( )	FAX Number:	( )
Email Address of Authorized Representative:			

****END OF ATTACHMENT A****

A. TEICHERT & SON, INC., 3500 American River Drive, Sacramento, California 95864

I, PAULA D. JAMES, Secretary of A. TEICHERT & SON, INC., a California Corporation, which does business under the fictitious names of TEICHERT CONSTRUCTION, TEICHERT MATERIALS, TEICHERT AGGREGATES, TEICHERT ROCK PRODUCTS, and TEICHERT WATERWORK SERVICES, as well as under its own name, certify that the following is a true and correct copy of a resolution unanimously passed and adopted by the Board of Directors of this corporation at a meeting held on May 13, 2020:

RESOLVED, That

	MARY T. TEICHERT	President
and	RONALD L. GATTO	Executive Vice President, Chief Financial Officer & Assistant Secretary
and	PAULA D. JAMES	Secretary

any two of whom acting in combination, are authorized on behalf of this corporation and in its name or in any of the fictitious names under which this corporation does business, to sign, seal, acknowledge, verify and deliver deeds, deeds of trust, mortgages, pledges, transfers, promissory notes, and any other documents and instruments relating to the business and properties, real and personal, of this corporation;

RESOLVED FURTHER, That the following officers of this corporation:

Mary T. Teichert	President
Ronald L. Gatto	Executive Vice President, Chief Financial Officer & Assistant Secretary
David A. Swartz	Executive Vice President
Dana M. Davis	Senior Vice President
A. Ed Herrnberger	Senior Vice President & General Manager
Christopher C. Barkley	Vice President, Director Field Operations
Clark J. Hulbert	Vice President Organizational Development
Francis C. Johnson	Vice President & Regional Manager, Bay Area
Scott R. Lewis	Vice President & Regional Manager, Greater Sacramento
Timothy B. Murphy	Vice President, Manager Mobile Equipment
Mark A. Nilsen	Vice President & Regional Manager, Central Valley
Eric D. Stannard	Vice President Public Works
Paula D. James	Secretary
Christopher M. McCaffree	Treasurer
Kathy Radley-Timberlake	Controller

are authorized, acting alone or in any combination, on behalf of this corporation and in its name or in any of the fictitious names under which this corporation does business, to execute and deliver proposals, bids, bonds, contracts, and agreements for construction work, and to do all other acts of a business nature that this corporation is empowered to do by law;

RESOLVED FURTHER, That the following employees of this corporation:

Wee Chu	Senior Estimator, North Region
Rick Czuleger	Chief Estimator, North Region
Jeff Faust	Chief Estimator, North Region
Jim Gallagher	Area Manager, Bay Area Region
Darryl Hansen	Senior Estimator, North Region
Stephen Muck	Area Manager, North Region
Tom Musson	Chief Estimator, Central Valley Region
Raul Ortiz	Area Manager, Central Valley Region
Bryan Ramirez	Area Manager, North Region
Nathan Rinaldi	Senior Estimator, Central Valley Region
Alexander Salcedo	Area Manager, South Valley Region
Janez Seliskar	Chief Estimator, Central Valley Region
Mike Stephenson	Senior Estimator, Bay Area Region
Jason Theriault	Chief Estimator, Bay Area Region

are designated as attorneys in fact of this corporation with full authority to execute proposals, bids, bonds, contracts, and agreements for construction work;

RESOLVED FURTHER, That the following employee of this corporation:

Sean Collins	Credit & Contracts Manager

is designated as attorney in fact of this corporation with full authority to execute credit agreements, credit settlement agreements, lien rights, contracts and other documents relating to the credit and contracts for this corporation.

DATED: 11/5/2020

Paula D. James
Secretary of A. Teichert & Son, Inc.

Attachment B – LICENSES AND DIR REGISTRATION

List the licenses held by your company and/or employees. The following representations are made under penalty of perjury.

A. CONTRACTOR'S LICENSES

CA State License No.	Name on License	Class/Type	Expiration Date
8	A. Teichert & Son, Inc. dba Teichert Construction	A, B, C16, C22, C27, C-61/D49	4/30/21

B. CITY OF ROSEVILLE BUSINESS LICENSE

Contractors are not required to have a City of Roseville Business license to submit a proposal; however, it will be required before executing a contract. Contractors may apply for a business license at: https://www.roseville.ca.us/government/departments/finance/licensing/business

Do you currently have a City of Roseville Business License? X Yes _____ No

License No. 00800643

C. DEPARTMENT OF INDUSTRIAL RELATIONS CONTRACTOR REGISTRATION

***For Public Works Projects (SB854)**: Contractors must register with the Department of Industrial Relations (DIR) pursuant to Labor Code section 1725.5. The Contractor shall provide proof of current registration with the Department of Industrial Relations for both itself and all listed subcontractors with their proposal. Contractors may register at: http://www.dir.ca.gov/public-works/publicworks.html

DIR contractor registration number and expiration date:

No.: 1000002575 Expiration Date: 6/30/21

****END OF ATTACHMENT B****

State of California

Department of Industrial Relations

(https://www.dir.ca.gov/)

Public Works Contractor Registration Search

Enter at least one criteria to display registered public works contractor(s) matching your selections.

Note: Search results will display all of the public works contractor registrations, both current and expired. Make sure a proper registration fiscal year is selected when performing a search.

Back to DIR>> (https://www.dir.ca.gov/)

Input Label
1000002575

From Date:(mm/dd/yyyy)
mm / dd / yyyy

To Date:(mm/dd/yyyy)
mm / dd / yyyy

County

City

Search Reset

Crafts (Select all that apply)

- [ ] Asbestos
- [ ] Boilermaker-Blacksmith
- [ ] Bricklayer/Brick Tender
- [ ] Carpenter
- [ ] Carpet, Linoleum, Resilient Tile Layer
- [ ] Cement Mason
- [ ] Consultant
- [ ] Driver (On/Off Hauling)
- [ ] Drywall Installer/Lather/Finisher
- [ ] Electrical Utility

A. Teichert & Son, Inc. dba Teichert Construction

- [ ] Electrician
- [ ] Elevator Constructor
- [ ] Field Surveyor
- [ ] General Building
- [ ] General Engineering
- [ ] Glazier
- [ ] Inspector/Field Soils, Material Tester
- [ ] Iron Worker
- [ ] Laborer
- [ ] Landscape
- [ ] Marble Mason/Finisher
- [ ] Operating Engineer
- [ ] Painter
- [ ] Parking/Highway/Improvement
- [ ] Plasterer/Tender
- [ ] Plumber
- [ ] Roofing
- [ ] Sheet Metal Worker
- [ ] Stator Rewinder
- [ ] Teamster
- [ ] Terrazzo Worker/Finisher
- [ ] Tile Setter/Finisher
- [ ] Water Well Driller

Apply

Registrations

Search Results: 1 found

Showing Page 1 of 1 Previous Next

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A. Teichert & Son, Inc. dba Teichert Construction

Add all to my list My List (0)

A. TEICHERT & SON, INC

View Details + Add to My List

Detail:

Registration Number: 1000002575
Status: Active
CSLB Number: 8
Legal Entity Type: Corporation
Mailing Address: 3500 AMERICAN RIVER DR
SACRAMENTO
CA 95864
County: Sacramento
Craft: General Engineering
Email: amacy@teichert.com

Registration History

Effective Date	Expiration Date
7/1/2019	6/30/2021
6/26/2018	6/30/2019
6/5/2017	6/30/2018
6/6/2016	6/30/2017
6/10/2015	6/30/2016
11/7/2014	6/30/2015

DBA

Name

TEICHERT CONSTRUCTION

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Attachment C – SUBCONTRACTOR LIST

In accordance with the Public Contract Code, Part 1, Chapter 4, Subletting and Subcontracting, Contractors must list the name and business address of each subcontractor who will perform work or labor or render service to the prime contractor in or about the construction of the work or improvement, or who will specially fabricate and install a portion of the work or improvement according to detailed drawings contained in the plans and specifications, in an amount in excess of one-half of one percent (0.5%) of the prime contractor's total bid, or in the case of bids or offers for the construction of streets and highways, including bridges, in excess of one-half of one percent (0.5%) of the prime contractor's total bid or ten thousand dollars ($10,000) whichever is greater. If subcontractors will not be used, proposer must write "NONE".

Company Name:	None
Principal:	
Address:	
Phone:	
Job Capacity:	
Percentage of Total Work:	
CSLB Contractor License Number:	
DIR Registration Number, and Expiration Date:	

Company Name:	
Principal:	
Address:	
Phone:	
Job Capacity:	
Percentage of Total Work:	
CSLB Contractor License Number:	
DIR Registration Number, and Expiration Date:	

Company Name:	
Principal:	
Address:	
Phone:	
Job Capacity:	
Percentage of Total Work:	
CSLB Contractor License Number:	
DIR Registration Number, and Expiration Date:	

Company Name:	
Principal:	
Address:	
Phone:	
Job Capacity:	
Percentage of Total Work:	
CSLB Contractor License Number:	
DIR Registration Number, and Expiration Date:	

Reproduce this page for additional Subcontractors.

****END OF ATTACHMENT C****

Attachment D – NONCOLLUSION DECLARATION

NONCOLLUSION DECLARATION TO BE EXECUTED BY BIDDER AND SUBMITTED WITH PROPOSAL

The undersigned declares:

I am the Vice President / Public Works of A. Teichert & Son, Inc. / dba Teichert Construction, the party making the foregoing Proposal. The Proposal is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The Proposal is genuine and not collusive or sham. The Proposer has not directly or indirectly induced or solicited any other Proposer to put in a false or sham Proposal. The Proposer has not directly or indirectly colluded, conspired, connived, or agreed with any Proposer or anyone else to put in a sham Proposal, or to refrain from proposing. The Proposer has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the Proposal price of the Proposer or any other Proposer, or to fix any overhead, profit, or cost element of the Proposer price, or of that of any other Proposer. All statements contained in the Proposal are true. The Proposer has not, directly or indirectly, submitted his or her Proposal price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham Proposal, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a Proposer that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the Proposer.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on 11/5/2020 [date], at Roseville [city], California [state].

X

(Signature of Declarant)

****END OF ATTACHMENT D****

Attachment E – ASSEMBLY BILL NO. 626

CHAPTER 810

An act to add and repeal Section 9204 of the Public Contract Code, relating to public contracts.

[Approved by Governor September 29, 2016. Filed with Secretary of State September 29, 2016.]

LEGISLATIVE COUNSEL'S DIGEST

AB 626, Chiu. Public contracts: claim resolution.

Existing law prescribes various requirements regarding the formation, content, and enforcement of state and local public contracts. Existing law applicable to state public contracts generally requires that the resolution of claims related to those contracts be subject to arbitration. Existing law applicable to local agency contracts prescribes a process for the resolution of claims related to those contracts of $375,000 or less.

This bill would establish, for contracts entered into on or after January 1, 2017, a claim resolution process applicable to any claim by a contractor in connection with a public works project. The bill would define a claim as a separate demand by the contractor for one or more of the following: a time extension for relief from damages or penalties for delay, payment of money or damages arising from work done pursuant to the contract for a public work, or payment of an amount disputed by the public entity, as specified.

This bill would require a public entity, defined to exclude certain state entities, upon receipt of a claim sent by registered or certified mail, to review it and, within 45 days, provide a written statement identifying the disputed and undisputed portions of the claim. The bill would authorize the 45-day period to be extended by mutual agreement. The bill would require any payment due on an undisputed portion of the claim to be processed within 60 days, as specified. The bill would require that the claim be deemed rejected in its entirety if the public entity fails to issue the written statement.

This bill would authorize, if the claimant disputes the public entity's written response of if the public entity fails to respond to a claim within the time prescribed, the claimant to demand to meet and confer for settlement of the issues in dispute. The bill would require any disputed portion of the claim that remains in dispute after the meet and confer conference to be subject to nonbinding mediation, as specified. The bill would provide that unpaid claim amounts accrue interest at 7% per annum. The bill would prescribe a procedure by which a subcontractor or lower tier contractor may make a claim through the contractor.

This bill would require the text of these provisions, or a summary, to be set forth in the plans or specifications for any public work which may give rise to a claim. The bill would specify that a waiver of these rights is void and contrary to public policy, except as specified. The bill would also specify that it does not impose liability on a public entity that makes loans or grants available through a competitive application process, for the failure of an awardee to meet its contractual obligations.

By increasing the duties of local agencies and officials, this bill would impose a state-mandated local program.

This bill would, on January 1, 2020, repeal the provision establishing the claim resolution process.

This bill would specify that these provisions constitute a matter of statewide concern.

The California Constitution requires the state to reimburse local agencies and school districts for certain costs mandated by the state. Statutory provisions establish procedures for making that reimbursement.

This bill would provide that, if the Commission on State Mandates determines that the bill contains costs mandated by the state, reimbursement for those costs shall be made pursuant to these statutory provisions.

The people of the State of California do enact as follows:

SECTION 1. Section 9204 is added to the Public Contract Code, to read: 9204. (a) The Legislature finds and declares that it is in the best interests of the state and its citizens to ensure that all construction business performed on a public works project in the state that is complete and not in dispute is paid in full and in a timely manner.

(b) Notwithstanding any other law, including, but not limited to, Article 7.1 (commencing with Section 10240) of Chapter 1 of Part 2, Chapter 10 (commencing with Section 19100) of Part 2, and Article 1.5 (commencing with Section 20104) of Chapter 1 of Part 3, this section shall apply to any claim by a contractor in connection with a public works project.

(c) For purposes of this section:

(1) "Claim" means a separate demand by a contractor sent by registered mail or certified mail with return receipt requested, for one or more of the following:

(A) A time extension, including, without limitation, for relief from damages or penalties for delay assessed by a public entity under a contract for a public works project.

(B) Payment by the public entity of money or damages arising from work done by, or on behalf of, the contractor pursuant to the contract for a public works project and payment for which is not otherwise expressly provided or to which the claimant is not otherwise entitled.

(C) Payment of an amount that is disputed by the public entity.

(2) "Contractor" means any type of contractor within the meaning of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code who has entered into a direct contract with a public entity for a public works project.

(3) (A) "Public entity" means, without limitation, except as provided in subparagraph (B), a state agency, department, office, division, bureau, board, or commission, the California State University, the University of California, a city, including a charter city, county, including a charter county, city and county, including a charter city and county, district, special district, public authority, political subdivision, public corporation, or nonprofit transit corporation wholly owned by a public agency and formed to carry out the purposes of the public agency.

(B) "Public entity" shall not include the following:

(i) The Department of Water Resources as to any project under the jurisdiction of that department.

(ii) The Department of Transportation as to any project under the jurisdiction of that department.

(iii) The Department of Parks and Recreation as to any project under the jurisdiction of that department.

(iv) The Department of Corrections and Rehabilitation with respect to any project under its jurisdiction pursuant to Chapter 11 (commencing with Section 7000) of Title 7 of Part 3 of the Penal Code.

(v) The Military Department as to any project under the jurisdiction of that department.

(vi) The Department of General Services as to all other projects.

(vii) The High-Speed Rail Authority.

(4) "Public works project" means the erection, construction, alteration, repair, or improvement of any public structure, building, road, or other public improvement of any kind.

(5) "Subcontractor" means any type of contractor within the meaning of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code who either is in direct contract with a contractor or is a lower tier subcontractor.

(d) (1) (A) Upon receipt of a claim pursuant to this section, the public entity to which the claim applies shall conduct a reasonable review of the claim and, within a period not to exceed 45 days, shall provide the claimant a written statement identifying what portion of the claim is disputed and what portion is undisputed. Upon receipt of a claim, a public entity and a contractor may, by mutual agreement, extend the time period provided in this subdivision.

(B) The claimant shall furnish reasonable documentation to support the claim.

(C) If the public entity needs approval from its governing body to provide the claimant a written statement identifying the disputed portion and the undisputed portion of the claim, and the governing body does not meet within the 45 days or within the mutually agreed to extension of time following receipt of a claim sent by registered mail or certified mail, return receipt requested, the public entity shall have up to three days following the next duly publicly noticed meeting of the governing body after the 45-day period, or extension, expires to provide the claimant a written statement identifying the disputed portion and the undisputed portion.

(D) Any payment due on an undisputed portion of the claim shall be processed and made within 60 days after the public entity issues its written statement. If the public entity fails to issue a written statement, paragraph (3) shall apply.

(2)(A) If the claimant disputes the public entity's written response, or if the public entity fails to respond to a claim issued pursuant to this section within the time prescribed, the claimant may demand in writing an informal conference to meet and confer for settlement of the issues in dispute. Upon receipt of a demand in writing sent by registered mail or certified mail, return receipt requested, the public entity shall schedule a meet and confer conference within 30 days for settlement of the dispute.

(B) Within 10 business days following the conclusion of the meet and confer conference, if the claim or any portion of the claim remains in dispute, the public entity shall provide the claimant a written statement identifying the portion of the claim that remains in dispute and the portion that is undisputed. Any payment due on an undisputed portion of the claim shall be processed and made within 60 days after the public entity issues its written statement. Any disputed portion of the claim, as identified by the contractor in writing, shall be submitted to nonbinding mediation, with the public entity and the claimant sharing the associated costs equally. Thepublic entity and claimant shall mutually agree to a mediator within

10 business days after the disputed portion of the claim has been identified in writing. If the parties cannot agree upon a mediator, each party shall select a mediator and those mediators shall select a qualified neutral third partyto mediate with regard to the disputed portion of the claim. Each party shallbear the fees and costs charged by its respective mediator in connectionwith the selection of the neutral mediator. If mediation is unsuccessful, the parts of the claim remaining in dispute shall be subject to applicable procedures outside this section.

(C) For purposes of this section, mediation includes any nonbinding process, including, but not limited to, neutral evaluation or a dispute review board , in which an independent third party or board assists the parties in dispute resolution through negotiation or by issuance of an evaluation. Any mediation utilized shall conform to the timeframes in this section.

(D) Unless otherwise agreed to by the public entity and the contractor in writing, the mediation conducted pursuant to this section shall excuse any further obligation under Section 20104.4 to mediate after litigation has been commenced.

(E) This section does not preclude a public entity from requiring arbitration of disputes under private arbitration or the Public Works Contract Arbitration Program, if mediation under this section does not resolve the parties' dispute.

(3) Failure by the public entity to respond to a claim from a contractor within the time periods described in this subdivision or to otherwise meet the time requirements of this section shall result in the claim being deemed rejected in its entirety. A claim that is denied by reason of the public entity's failure to have responded to a claim, or its failure to otherwise meet the time requirements of this section, shall not constitute an adverse finding with regard to the merits of the claim or the responsibility or qualifications of the claimant.

(4) Amounts not paid in a timely manner as required by this section shall bear interest at 7 percent per annum.

(5) If a subcontractor or a lower tier subcontractor lacks legal standing to assert a claim against a public entity because privity of contract does not exist, the contractor may present to the public entity a claim on behalf of a subcontractor or lower tier subcontractor. A subcontractor may request in writing, either on his or her own behalf or on behalf of a lower tier subcontractor, that the contractor present a claim for work which was performed by the subcontractor or by a lower tier subcontractor on behalf of the subcontractor. The subcontractor requesting that the claim be presented to the public entity shall furnish reasonable documentation to support the claim. Within 45 days of receipt of this written request, the contractor shall notify the subcontractor in writing as to whether the contractor presented the claim to the public entity and, if the original contractor did not present the claim, provide the subcontractor with a statement of the reasons for not having done so.

(e) The text of this section or a summary of it shall be set forth in the plans or specifications for any public works project that may give rise to a claim under this section.

(f) A waiver of the rights granted by this section is void and contrary to public policy, provided, however, that (1) upon receipt of a claim, the parties may mutually agree to waive, in writing, mediation and proceed directly to the commencement of a civil action or binding arbitration, as applicable; and (2) a public entity may prescribe reasonable change order, claim, and dispute resolution procedures and requirements in addition to the provisions of this section, so long as the contractual provisions do not conflict with or otherwise impair the timeframes and procedures set forth in this section.

(g) This section applies to contracts entered into on or after January 1, 2017.

(h) Nothing in this section shall impose liability upon a public entity that makes loans or grants available through a competitive application process, for the failure of an awardee to meet its contractual obligations.

(i) This section shall remain in effect only until January 1, 2020, and as of that date is repealed, unless a later enacted statute, that is enacted before January 1, 2020, deletes or extends that date.

SEC. 2. The Legislature finds and declares that it is of statewide concern to require a charter city, charter county, or charter city and county to follow a prescribed claims resolution process to ensure there are uniform and equitable procurement practices.

SEC. 3. If the Commission on State Mandates determines that this act contains costs mandated by the state, reimbursement to local agencies and school districts for those costs shall be made pursuant to Part 7 (commencing with Section 17500) of Division 4 of Title 2 of the Government Code.

****END OF ATTACHMENT E****

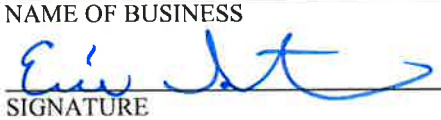
Attachment F – PROPRIETARY INFORMATION STATEMENT

Complete and sign one of the following statements.

No Proprietary Information

Contractor hereby certifies that nothing contained in the submitted Proposal is to be proprietary information.

A. Teichert & Son, Inc. dba Teichert Construction
NAME OF BUSINESS


SIGNATURE

Eric D. Stannard - Vice President, Public Works
NAME & TITLE, TYPED OR PRINTED

Existence of Proprietary Information.

Contractor desires to claim a privilege against public disclosure for a trade secret or other proprietary information.

NAME OF BUSINESS

SIGNATURE

NAME & TITLE, TYPED OR PRINTED

****END OF ATTACHMENT F***

*

Attachment G - IRAN CONTRACTING ACT DISCLOSURE FORM

GENERAL REQUIREMENTS

Pursuant to the Iran Contract Act of 2010 (California Public Contract Code, Sections 2202-2208), Proposers are ineligible to propose on projects with a public entity for goods or services of one million dollars ($1,000,000) or more if the Proposer engages in investment activities in Iran.

Proposers must provide the below disclosure form as a mandatory submittal for all projects in excess of $1,000,000. The Iran Contracting Act Disclosure Form shall be submitted by all Proposers as a mandatory submittal.

(California Public Contract, Sections 2202-2208)

When responding to a bid or proposal or executing a contract or renewal for a City contract for goods or services of $1,000,000 or more, a vendor must either: a) certify it is **not** on the current list of persons engaged in investment activities in Iran created by the California Department of General Services ("DGS") pursuant to Public Contract Code section 2203(b) and is not a financial institution extending twenty million dollars ($20,000,000) or more in credit to another person, for 45 days or more, if that other person will use the credit to provide goods or services in the energy sector in Iran and is identified on the current list of persons engaged in investment activities in Iran created by DGS; or b) demonstrate it has been exempted from the certification requirement for that solicitation or contract pursuant to Public Contract Code Section 2203(c) or (d).

To comply with this requirement, please provide your vendor or financial institution name and complete **one** of the options on the following page. Please note: California law establishes penalties for providing false certifications, including civil penalties equal to the greater of $250,000 or twice the amount of the contract for which the false certification was made; contract termination; and three-year ineligibility to bid on contracts. (Public Contract Code section 2205.)

OPTION #1 – CERTIFICATION

I, the official named below, certify I am duly authorized to execute this certification on behalf of the vendor/financial institution identified below, and the vendor/financial institution identified below is **not** on the current list of persons engaged in investment activities in Iran created by DGS and is not a financial institution extending twenty million ($20,000,000) or more in credit to another person/vendor, for 45 days or more, if that other person/vendor will use the credit to provide goods or services in the energy sector in Iran and is identified on the current list of persons engaged in investment activities in Iran created by DGS.

Vendor Name/Financial Institution (Printed) **A. Teichert & Son, Inc. dba Teichert Construction**	
By (Authorized Signature) 	
Printed Name and Title of Person Signing **Eric D. Stannard - Vice President Public Works**	
Date Executed 11/20/2020	*Executed in* **Roseville, CA 95661**

OPTION #2 – EXEMPTION

Pursuant to Public Contract Code sections 2203(c) and (d), a public entity may permit a vendor/financial institution engaged in investment activities in Iran, on a case-by-case basis, to be eligible for, or to bid on, submit a proposal for, or enters into or renews, a contract for goods and services.

If you have obtained an exemption from the certification requirement under the Iran Contracting Act, please fill out the information below, and attach documentation demonstrating the exemption approval.

Vendor Name/Financial Institution (Printed) N/A	
By (Authorized Signature)	
Printed Name and Title of Person Signing	
Date Executed	*Executed in*

****END OF ATTACHMENT G****

IMPORTANT

Date: October 29, 2020

TO: Proposers

FROM: Janice Gainey, Senior Engineer, Environmental Utilities Dept.

RE: RFP 08-077 Design-Assist and Construction of Downtown Water Mains Replacement Project – Hillcrest Neighborhood October 28, 2020 9:00 am

**********ADDENDUM ONE**********

This Addendum 1 includes the following attachments:

Pre-Proposal Meeting Presentation
Pre-Proposal Meeting Sign Attendance Sheet

This Addendum 1 consists of the following revisions or answers to questions:

1. PRE-PROPOSAL MEETING RESPONSES TO QUESTIONS

Question 1: Does the City have any sites identified for staging?

Answer: No, City has not identified any staging areas. There are locations where staging can occur, the Contractor would be responsible for any agreements with the property owners.

Question 2: Can the City provide a project location map of the Road Rehabilitation project that this project is being coordinated with?

Answer: Every street included in the water main replacement is also included in the roadway resurfacing project; it is a subset, as the Road Rehabilitation project is even larger. During discussion it was determined that a map of the Road Rehabilitation project would not be needed.

As a point of clarification: there is paving required as part of this water main project. Contractor should refer to plans and specifications and not assume that they can leave exposed road base for City's paving crews to finish.

Although there is a road restoration project following water mains project, Contractor must be aware that contractor is responsible for any damage to existing pavement created by their operations.

Question 3: Is there a rough schedule for the Road Rehab project?

Answer: Once the Contractor and the City have agreed to a water main installation sequencing plan, that sequencing will be reviewed with the Public

Works department so that they can plan their road rehab project. Intent is that as the water mains contractor completes an area, City's crews will move into that area to start road work.

Question 4: Has the Road Rehabilitation project come out to bid?

Answer: It is a project that will be done by City crews.

Question 5: Will inspections be strictly conducted by the City, or will there be third party inspection services?

Answer: Contractor should assume that there will be full time inspection from both City and third party inspectors.

Question 6: What are the existing mains made of in this area generally? The specifications call out AC pipe. AC pipe requires special hazardous materials handling. Can you clarify?

Answer: To the best of our knowledge and research (we don't have any as-builts for existing water mains) water mains are all cast iron and ductile iron. Service lines are multiple materials; copper, pvc. Contractor should assume that all water mains are either cast iron or ductile iron. There may be existing AC storm drain pipelines in the area.

Question 7: The specs say there is anticipated groundwater on Colnar and Melrose Avenue. Why do you have that anticipation?

Answer: Based on the conditions encountered during construction of the Storm Drain Improvement Project in that area. Contractor found high groundwater on these two streets. We do not know if the same conditions be encountered on this project, and that is why there is an allowance for excessive groundwater dewatering.

Question 8: Is the City requiring the use of Trimble equipment for GIS during potholing and during construction of the pipeline?

Answer: City is not requiring the use of GPS (Trimble type) equipment. Contractor is required to provide pothole xyz data in a format that can be included in the final plans

Question 9: How flexible is the lane traffic control requirements for residential areas? The working hours are 7 am to 7 pm, but the lane closures are from 8:30 am – 3:30 pm?

Answer: There will need to be some flexibility and coordination. Contractor should be aware that school traffic must be accounted for during pickup and drop-off times, especially on Keehner and Vine. This should be part of the Contractor's project approach; how can we keep residents having access to their homes or minimize access issues?

Question 10: On Cathodic Protection, there are jumpers on each piece of ductile from one to the next. Is there a requirement how often the test stations are required?

Answer: Test stations are every 1000 to 1500 feet, roughly. Locations are shown on the plans.

Question 11: There is a responsibility on the Contractor to obtain the right of entry agreement with the resident. Will the City start that process ahead of time, or will it be fully on contractor?

Answer: It was assumed that this question specifically pertained to those properties where water meter was to be relocated. The City will be the initial point of contact with the resident to discuss what the plans are for their specific property. There are three or four locations where meter boxes will need to be moved from the backyard to the front yard. The Contractor will need to coordinate with the resident after the City has worked out the arrangement with the resident.

Please include a signed copy of this addendum with your proposal.

I acknowledge receipt of Addendum One

Name **Eric D. Stannard - Vice President Public Works**

Signature Eric Stannard

Company **A. Teichert & Son, Inc. dba Teichert Construction**

Date 11/20/2020

IMPORTANT

Date: November 9, 2020

TO: Proposers

FROM: Janice Gainey, Senior Engineer, Environmental Utilities Dept.

RE: RFP 08-077 Design-Assist and Construction of Downtown Water Mains Replacement Project – Hillcrest Neighborhood October 28, 2020 9:00 am

**********ADDENDUM TWO**********

This Addendum 2 includes the following attachments:

- No Attachments are included with addendum 2.

This Addendum 2 consists of the following answers to questions received via Public Purchase:

Question 1: On drawing D4 (53 of 58) Detail 3/TYP, Note 1 - "New Asphalt Concrete must be a minimum of 6-inches thick or that of existing, whichever is greater". What thickness of AC should we use for our bid purpose?

Answer:

- Contractor should assume a thickness of 6-inches in the residential areas. During recent re-construction of the storm drains in this area AC thickness was found to vary from 3-in to 6-in.
- Contractor should assume a thickness of 8-in on Sunrise Avenue and Douglas Blvd. During previous work in Sunrise Avenue the City encountered AC thickness of 8-in to 12-in.

Question 2: Does the City have a pre-approved list of geotechnical engineers?

Answer: No, City does not have a pre-approved list of geotechnical engineers; however, City must review and approve your Geotechnical Engineer based on licensing and qualifications.

Question 3: There are numerous valley gutter crossing the new pipeline alignment. Will the contractor be required to replace the entire valley gutter or just the portion damaged from pipe installation? Under what scope area number should this be included in our proposal?

Answer:

- Contractor is required to replace concrete surface to adjacent joints. See Construction Note 16 on the plans sheet G2. Also reference City Construction Standards Section 71-4.C.
- Include this work under scope area 15-Pavement and Miscellaneous Restoration.

Question 4: On the Reconnect Services, will the contractor tie to the existing curb stop/setter or replace both? Should the contractor plan on replacing meter boxes?

- Reconnect Services – Contractor to connect new service line to existing valves/fittings at meter box.
- Meter Boxes – Most meter boxes will not be replaced. There are some locations, marked on the drawings, where new meter boxes will be needed (Folsom Rd is an example). If contractor identifies a broken meter box during construction, this should be brought to the attention of the inspector and direction (and change order if required) will be given.

Please include a signed copy of this addendum with your proposal.

I acknowledge receipt of Addendum Two

Name **Eric D. Stannard - Vice President Public Works**

Signature _____

Company **A. Teichert & Son, Inc. dba Teichert Construction** Date 11/20/20

IMPORTANT

Date: November 12, 2020

TO: Proposers

FROM: Janice Gainey, Senior Engineer, Environmental Utilities Dept.

RE: RFP 08-077 Design-Assist and Construction of Downtown Water Mains Replacement Project – Hillcrest Neighborhood October 28, 2020 9:00 am

**********ADDENDUM THREE**********

This Addendum 3 includes the following attachments:

- No Attachments are included with addendum 3.

This Addendum 3 consists of the following answers to questions received via Public Purchase:

Question 5: Can you please clarify as to what the City is looking for from detail W-1/D1 that is included in the plans? This detail notes that back fill is per 3/D4 and SP6 of the specifications also note detail 3/D4.?

Answer: Contractor was asked to clarify this question and resubmit. Question 6 was provided as revised question.

Question 6: The plans include two trench details; W1/D1 and 3/D4 which show different back fill requirements. The specifications reference 3/D4 and detail W1/D1 also has a note stating that the back fill should be per 3/D4. Can the City clarify why is detail W1/D1 is included in the plans if all back fill is per 3/D4?

Answer: W-1 is the City's standard detail for Water Main trench and backfill. Detail was modified for this project. Please disregard W-1/D1 and use 3/D4 for trench backfill.

Please include a signed copy of this addendum with your proposal.

I acknowledge receipt of Addendum Three

Name **Eric D. Stannard - Vice President Public Works**

Signature 

Company **A. Teichert & Son, Inc. dba Teichert Construction** Date 11/20/20

TAB F

EXCEPTIONS



TAB F
EXCEPTIONS

Describe any and all proposed exceptions, alterations or amendments to the Scope of Services or other requirements of this RFP, including the Sample Contract (Volume 2 of the Contract Documents).

Teichert takes no exceptions to the Scope of Services and/or any other requirements of the RFP.



Eric Stannard, VP of Public Procurement

November 20, 2020

Date



TAB G

LEGAL AND FINANCIAL

TAB G
LEGAL AND FINANCIAL

The City wants to ensure that the successful Contractor has the necessary facilities, ability, experience, and financial resources to provide the services specified herein in a satisfactory and timely manner. Please list and explain any pending bankruptcies, liens, stop payment notices, judgments, lawsuits, arbitrations, mediations, foreclosures, and any similar actions filed or resolved in the past seven (7) years. Please indicate whether a client has ever terminated a contract with your firm for breach, and if so, please explain.

In response to the City of Roseville's request, Teichert lists the following legal and financial information:

- Teichert has not been terminated for breach of contract.
- Teichert has $1.5 B in bonding capacity with Liberty Mutual to ensure work is completed satisfactorily and timely.
- Our current accounts receivable balance consists of only 3% amounts greater than 60 days past due; all of which is considered collectable.
- Pending Bankruptcy: A Teichert Construction affiliated entity (Teichert Pipelines) is currently owed approximately $6.5m from the PG&E bankruptcy. The entire balance is secured and estimated to pay in full before 12/31/2020.
- Pending Project Actions (against others): As a large construction contractor, Teichert always has 5-10 projects at any given time with active stop payment notices, bond claims or mechanic's liens. At this time the sum total of all open Stop Payments, Bond Claims and Mechanic's Liens is less than $836,000 across all projects. See current pending action list below:

Project	Owner/General Contractor	Nature of Dispute	Amount Owed	Action
Buri Buri & Parkway Schools	USS Cal Builders/ Berkeley Cement	USS Cal vs. South San Francisco School District. Teichert not paid for work performed. No other dispute. Suit filed to perfect claim.	$102,000.00	Bond Claim / Stop Notice
District 1-GMAX	Deacon Corp	Owner vs. Deacon payment dispute. Teichert not paid for work performed. No other dispute. Suit filed to project claim.	$539,000.00	Bond Claim / Mechanic Lien
Brentwood Center	Balfour Beatty LLC	Pending Extra Work dispute. Teichert not paid retention or some pending EW. No suit filed at this time.	$195,000.00	Bond Claim / Stop Notice

- Historic Project Actions: As a large contractor we resolve 5-10 project actions annually. At no time in the past seven years has any action involved the termination of Teichert. All actions taken were related to failure of timely payment from a customer. The large majority of actions taken did not result in the filing of a lawsuit or mediation. Instead the majority were to exercise lien rights (Bond Claims, Stop Payment Notices and Lien filings) which resulted in payment without the need to file suit. More information on historic actions taken is available upon request.

APPENDIX

RESUMES



DAN STOLOSKI

Project Director

Years of Experience
18

Education
Arizona State University

Training & Certifications

OSHA 10 hour training

California Water Treatment Operator Grade 1

California Water Distribution Operator Grade 2

OSHA Trench & Excavation Competent Person

CPR, First Aid, Confined Space, Rigging, USA Procedures

Dan has 18 years of experience in the civil construction industry. His primary focus is underground utilities installation. Dan's specialty areas include meter retrofit and water main replacement, and deep sewer and storm drain projects. Dan has has managed complete streetscape projects dealing with all aspects of civil construction including wet and dry utilities, grading concrete and paving.

PROJECT EXPERIENCE

Land Park Water Main Replacement, Sacramento, CA

The contract required the installation of approximately 57,000 LF of Distribution Main (PVC and DIP) and the installation of 1,400 services

East Sacramento Water Main Replacement Project Phase 2, East Sacramento, CA

Completion of 29,000 LF of distribution main (PVC and DIP) and associated water services. Meter retrofits on Approx. 1,100 service locations. This included retrofit work and 7,000LF of Transmission Main installation.

Oak Park & Colonial Heights Water Improvement, Sacramento, CA

1" Meter retrofit of approx. 3,000 locations including main replacement of 1,300 LF and 600 service replacement and abandonments of substandard water services.

Auburn Blvd utility undergrounding & Streetscape, Citrus Heights, CA

Managed both phases totaling $15 million dollars for the City of Citrus Heights. Work included Joint trench installation, new distribution mains (DIP) and services, widening and replacement of concrete flatwork and overlay new pavement.

Purissma Hills Water Main Replacement, Los Altos Hills, CA

Installation of approximately 12,000LF of new ductile iron water mains and services. Work included customer coordination, traffic control and street resurfacing upon completion of the underground work.

Rail Yards SOTA Improvements, Sacramento, CA

New Construction of F Street and G Street from 7th Street to 5th Street in Downtown Sacramento. New infrastructure including water Sewer Storm Drain, Joint Trench as well as grading paving and concrete work. Coordination with many agencies including DTSC, Sacramento RT, City of Sacramento, PG&E, SMUD to upgrade and relocate facilities.

ECHO Water Biological Nutrient Removal Project, Sacramento County, CA

Mass Excavation grading and site work for a new biological nutrient removal filtration system. Work consist of the structural excavation of a 17 acre basin 25' deep as well as minor structure excavation and structure backfill for miscellaneous pumps stations and large diameter piping structures.

PHIL CRUMMETT

Project Manager/Lead

Years of Experience
12

Education
BS Mechanical Engineering
Jacobs School of Engineering
University of California,
San Diego

Training & Certifications

Primavera P6

Plangrid

OSHA 40

Trenching/Excavation
Competent
Person

Confined Space Competent
Person

Phil has managed multiple water main projects and underground utility focused projects, totaling over $60 million. His experience has resulted in a flexible, problem-solving approach. Phil will oversee the team and supervise the management of all aspects of the project from pre-construction to project closeout and be a solid line of communication between the project and the stakeholders. We are confident that Phil will either meet or exceed our proposed schedule.

PROJECT EXPERIENCE

Emergency Storm Basin D Rehabilitation – Elk Grove, CA

Removal of existing plastic liner and the export of 40k CYs of soil for the installation of 7" thick concrete lined Emergency Storm Basin. Installation of 12" pressurized washdown system as well as 20,000 LF of groundwater underdrain system. $23 million project to be performed in one 6-month season. Delivered an on-time, under budget, quality project during a challenging and ever changing 2020 work season.

Echo Water – Flow Equalization Project, Elk Grove, CA

Rehabilitation and expansion of existing earthen basins for the installation of a concrete liner. Nearly 200,000 LF of all types of underground utilities were also installed as part of this project with sizes ranging from 2" to 102". Tie-ins to the existing in-operation wastewater treatment plant had to be carefully planned and coordinated with all stake holders. Challenging site conditions, existing but unknown utilities and construction along-side an operating treatment plant was successfully planned and executed for the safe, quality completion of the project.

Regional Transit- South Sacramento Corridor Phase 2 Light Rail Extension, Sacramento, CA

Civil scope for the installation of 5 new miles of Regional Transit Light Rail Track from Meadowview to Cosumnes River College. Installation of 30,000 LF of trackside underdrain, 15,000 LF of roadway storm drain and existing utility improvements. The track and its associated facilities were constructed through both residential and commercial areas of South Sacramento. The track also crossed several main arterial roads and streets with traffic control plans that spanned from full road and intersection closures to small shoulder closures.

Laguna Water Meter Installation Area A, Elk Grove, CA

Water Meter Installation and Service Retrofit Project. Installation of nearly 1700 water meters along with the retrofit of the existing service lines in the residential neighborhoods of Laguna in Elk Grove. Preplanning, coordination and scheduling with the property owners was key to the success.

Lined Dedicated Land Disposal Unit 5

Excavation of 40 acre site for the installation of a plastic containment membrane/liner. 20,000 LF of 12" Fused Welded HDPE Harvested Sludge Disposal Piping and Hydrants. Installation of 20,000 LF of underdrain piping. Phased approach as excavation and utility work could not performed in consecutive sequences.

ZACHARY DENICO

Project Engineer

Years of Experience
3

Education, Training & Certifications

Primavera P6

PlanGrid

Trenching/Excavation Competent Person

Confined Space Competent Person

Zach's goal is to keep the projects well-managed, under budget, and ahead of schedule. Zach is experienced in Construction Management and has strong writing, mathematic, and corporate communication skills. Zach has a strong work ethic and is able to maintain responsibilities while working 50-60 hour work weeks. Zach will be involved with crew scheduling, ordering materials and assisting in the management of the project schedule.

PROJECT EXPERIENCE

Pipeline Replacement for the AWMP- Sacramento, CA

Construction of 68,000 LF of distribution main and approximately 1,600 associated water services.

Meadowview and South Land Park PR/WMR Project- Sacramento, CA

Construction of approximately 10,000 LF of distribution main and associated water services. The project included water meter retrofits on approximately 1,500 service locations.

Golf Course Terrace and Meadowview WMR Project- Sacramento, CA

Completion of water meter retrofits on approximately 4,500 service locations.

Fruitridge and Glen Elder WMR Project- Sacramento, CA

Completion of water meter retrofits on approximately 2,700 service locations.

North Sacramento PR/WMR Project- Sacramento, CA

Completion of 34,000 LF of distribution main and associated water services. Water meter retrofits on approximately 2,400 service locations.

Tradewinds PR/WMR Project- Sacramento, CA

Completion of 1,700 LF of distribution main and associated water services. Construction included water meter retrofits on approximately 400 service locations. The project was completed ahead of schedule. Matt assisted in organization, scheduling, and close-out.

CHRIS CLARK

Superintendent

Years of Experience
30

Education
University of North Dakota
California State University, Sacramento

Training & Certifications
OSHA 40 hour training

ATSSA- Traffic Control Certified Technician & Supervisor

OSHA Trench & Excavation Competent Person

California/Nevada AWWA Certified Backflow Assembly Tester

CPR – First Aid – Confined Space – Rigging- USA Procedures

AHERA Asbestos

Contractor/Supervisor

Chris has 30 years of experience in the civil construction industry with a primary focus in underground utilities installation. His specialty areas are meter retrofit and water main replacement, deep sewer and storm drain, as well as lift station wet well projects and welded steel pipeline installations. Chris is also experienced in other areas such as grading, concrete, and traffic control operations.

PROJECT EXPERIENCE

03-0H10U4- Caltrans I-5, Sacramento County, CA

The Interstate 5 (I-5) Corridor Enhancement Project in Sacramento County extends from 1.1 mile south of the Elk Grove Boulevard Overcrossing to the American River Bridge. The project will rehabilitate pavement, construct new High Occupancy Vehicle (HOV) lanes, replace a pedestrian overcrossing, construct sound walls, install new fiber optic lines, new ramp meters and extend various entrance and exit ramps. The contract value is $137 million.

03-1E7604- Hwy 70/20, Marysville, CA

This Caltrans major street improvement project throughout downtown Marysville consisted of concrete sidewalk removal and replacement, water and storm drain underground improvements and existing utility conflict resolutions. 24 hour operations required multiple crews for day and night work. The contract value is $23 million.

Highway 53, Clearlake, CA

This Caltrans project included grading and paving for the highway shoulder widening and large storm drain box culvert extensions. The project required initial mass grading in rocky terrain after which the shoulder widening was constructed during 24 hour operations to maximize productivity and minimize public inconvenience. The contract value is $11 million.

Consumnes Blvd Extension & I-5 Interchange, Sacramento, CA

Major infrastructure improvements for future commercial and residential use, project includes 400,000 cubic yards of mass grading, 24” transmission water mains, large diameter trunk line sewer and storm drain utilities. Water and sewer construction activities require very detailed planning and coordination to connect to existing City utilities. The contract value is $40 million.

Subdivision/Commercial/Irrigation Districts

Sacramento, Yolo, Yuba, Sutter, Solano, El Dorado, and Placer Counties

JASON LENABURG

Safety Supervisor

Years of Experience

20

Education, Training & Certifications

Safety Management Specialist (SMS)

Construction Health and Safety Technician (CHST)

Certified Instructional Trainer (CIT)

Sacramento Regional Transit On-Track safety training

OSHA 500 & 510 Outreach Instructor

Construction and General Industry

First Aid/CPR/AED Certified

ATSSA – Certified Traffic Control Supervisor & Technician

Asbestos Supervisor

NFPA 70E Electrical & Arc Flash Certified

USA North 811 Gold Shovel

NCCCO Rigger & Signal Person

Key Qualifications:

Instrumental in incorporating Behavior Based Safety as part of Teichert Safety Culture

Helped lower Teichert's Injury Rate and DART rate well below industry standards

Smith System Driver Certified

Crisis Response, Reasonable Suspicion, & Civil Treatment

Jason is an accomplished Regional Safety Manager with proven success in developing, implementing, and maintaining corporate safety initiatives and training programs. He has a demonstrated understanding of OSHA and EPA regulations, case management, medical surveillance and other health-related requirements. Jason manages a team of safety professionals to ensure compliance with federal, state and local safety, and health and environmental laws and standards. Jason has excellent leadership, management, communication, customer service, and problem-solving skills. He is known for leading by example and maintaining the highest standards of conduct and safety.

PUBLIC WORKS PROJECT EXPERIENCE WITHIN THE PAST 5 YEARS

- Land Park Phase 1 Meters and Water Mains- City of Sacramento
- Tradewinds Pipeline Replacement and Water Meter Retrofit- City of Sacramento
- North Sacramento Pipeline Replacement and Water Meter Retrofit- City of Sacramento
- Fruitridge and Glenn Elder Water Meter Retrofit- City of Sacramento
- East Sacramento Water Main Replacement Phase 2- City of Sacramento
- North Sacramento Water Meter Retrofit Project- City of Sacramento
- Oak Park and Colonial Heights Water Meters and Pipeline Replacement- City of Sacramento
- SAC 5 Corridor Enhancement Project- Caltrans
- Butte 70 Improvements- Caltrans
- I-80 HOV & Truck Climbing Projects- Caltrans
- Hwy 99 & Riego Rd Interchange – Caltrans
- Sunrise & Sungarden Rehab – City of Citrus Heights
- Hwy 267 Grind & Overlay – Caltrans
- Meeks Bay Improvements – Caltrans
- Hwy 193 re-alignment – Caltrans
- Hwy 49 Overlays – Caltrans
- Fair Oaks Blvd rehab – Sacramento County
- Table Meadow Water Services – Nevada Irrigation District
- Natomas Reach D Levee – USACE
- Truckee Overlays – Town of Truckee
- Gold Run rest Area – Caltrans
- Placer County Overlay – Placer County


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PROPOSAL FOR THE CITY OF ROSEVILLE

DESIGN-ASSIST AND CONSTRUCTION

DOWNTOWN WATER MAINS REPLACEMENT PROJECT HILLCREST NEIGHBORHOOD

PART 2 COST PROPOSAL | NOVEMBER 20, 2020

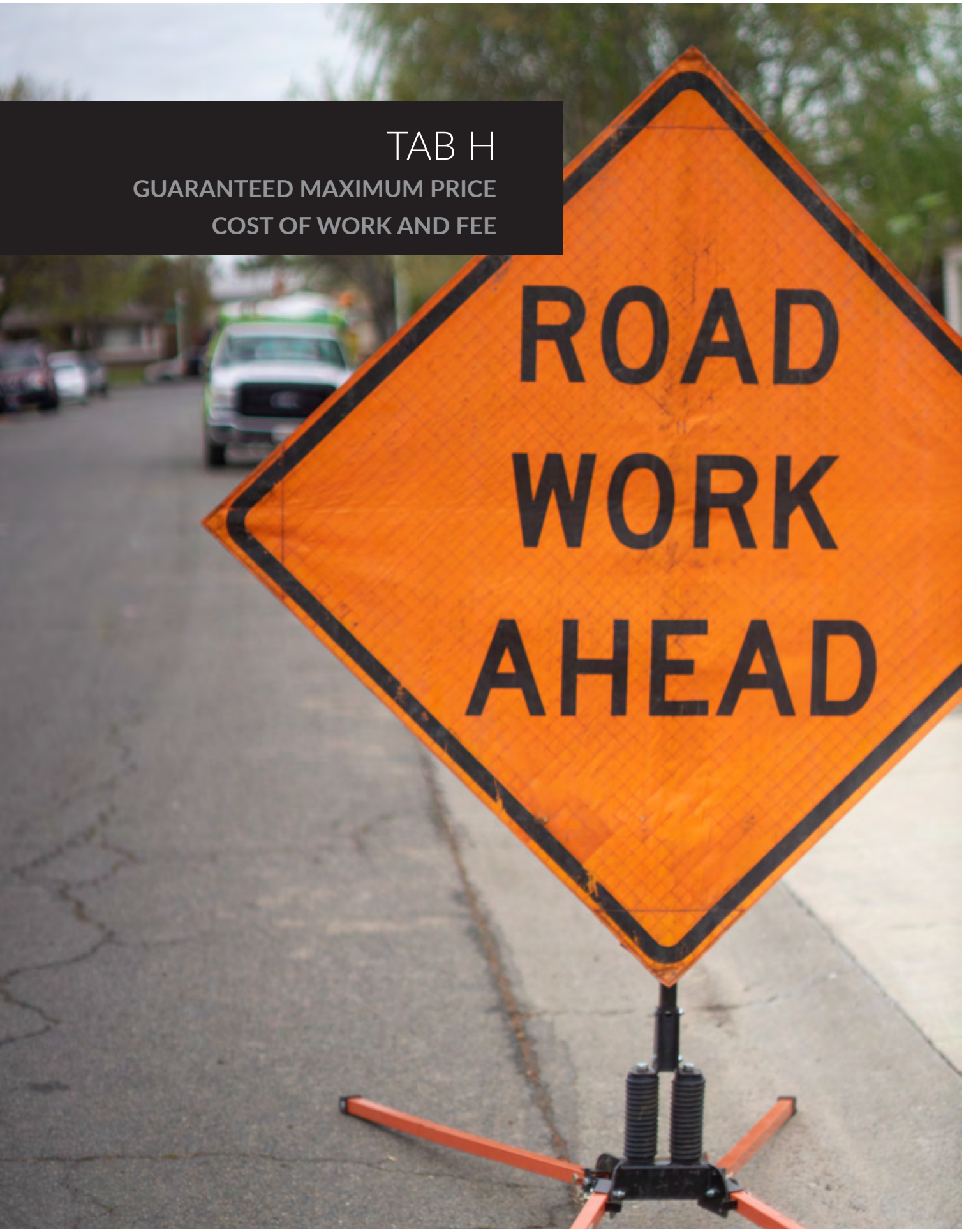


CONTENTS

TAB H
GUARANTEED MAXIMUM PRICE
COST OF WORK AND FEE

TAB H

GUARANTEED MAXIMUM PRICE
COST OF WORK AND FEE



Attachment H - GUARANTEED MAXIMUM PRICE, COST OF WORK AND FEE

Downtown Water Mains Replacement Project – Hillcrest Neighborhood

1.0 TOTAL PROPOSED GUARANTEED MAXIMUM PRICE (GMP)

The undersigned proposes and agrees to contract with the City to perform all of the Work for the Design Assist and Construction of the **Downtown Water Mains Replacement Project – Hillcrest Neighborhood** including subsidiary obligations as defined in the Contract, for a **Guaranteed Maximum Price ("GMP")** of Six Million Nine Hundred Twenty Four Thousand Five Hundred Thirty Five Dollars dollars ($6,924,535.00), U.S. Currency.

Subject to the provisions of this Proposal and the Contract, the costs and expenses which the Contractor may include in the Cost of Work for purposes of determining that aspect of the Contractor's compensation are as set forth below. The Contractor's total compensation, including Fee and allowable mark-ups, shall not exceed the GMP.

The GMP may be adjusted by Change Order in accordance with the Agreement.

2.0 BREAKDOWN OF GUARANTEED MAXIMUM PRICE

Proposer provides the breakdown of the Contractor's GMP by major items of work as shown in **Table H.1**. The cost breakdown should sum to a total that equals the GMP given in this Attachment H Section 1.0 – Total Proposed Guaranteed Maximum Price. Contractor must include all costs required to complete the work within the scope area items listed.

Table H.1: Breakdown of Guaranteed Maximum Price

#	Scope Area	Cost
1	Design Assist: Miscellaneous Items	$25,000
2	Design-Assist: Pothole Existing Utilities	$400,000
3	Design-Assist: Geotechnical Testing	$175,000
4	Mobilization, Demobilization, Admin., Insurance, Bonds, and Permits	$550,000
5	Sheeting/Shoring/bracing per Labor Code Section 6707 (From Table H.5)	$130,000
6	Traffic Control	$200,000
7	Storm Water Pollution Prevention Plan Implementation	$17,500
8	Demolition and Abandonment	$160,000
9	Pipeline Installation (including all utility crossings)	$2,683,385
10	Tie-ins to existing system	$145,000
11	Fire Hydrant Assembly Installation	$275,000
12	Install 2" Blow Off	$10,000

#	Scope Area	Cost
13	Install New Service, Reconnect to Existing Meter, and Reconnect Existing Service	$778,650
14	Flush/Pressure Test/ Disinfection	$60,000
15	Pavement and Miscellaneous Restoration	$950,000
16	City's Required Allowance Items Total (From Table H.6)	$365,000
17	Proposer's Volunteer Allowance Items Total (From Table H.7)	$0
	Total GMP:	$6,924,535

3.0 Schedule of Values

Contractor will be required to submit a complete schedule of values upon selection to facilitate contract negotiation within ten (10) days of notice.

A. The Schedule of values must include a detailed breakdown of quantities and prices of work and materials required to perform and complete the contract, including Contractor Allowance Items.

B. The Schedule of Values shall provide a cost breakdown for each element detailed in the approved Construction Schedule. The total of the price breakdown must agree with the GMP. The elements listed and price breakdown shall not be front end loaded or unbalanced, shall be subject to adjustment between the ENGINEER and the CONTRACTOR, and will be used as a basis for progress payments.

C. Acceptance of the Schedule of values shall not relieve the CONTRACTOR of the responsibility of performing all the work needed to complete the project at the GMP.

Volume 2 – Agreement incorporates additional details and definitions that pertain to the Guaranteed Maximum Price, Fee, and Cost of Work.

4.0 COST OF THE WORK

The term "Cost of Work" means the sum of all costs necessarily incurred and paid by the Contractor for labor, materials, equipment, subcontractors, special services, bonds, liability, workers' compensation and errors and omissions insurance, direct job overhead expenses, taxes and other necessary expenses incurred in the performance of the work, that do not exceed the GMP.

4.1 Hourly Field Labor

The cost of hourly field craft labor for workers used in actual and direct performance of the work by the Contractor will be the sum of the following:

A. The actual wages paid plus any employer payments to, or on behalf of workers for fringe benefits including health and welfare, pension, vacation and similar purposes.

B. All payments imposed by State and Federal Laws including, but not limited to, workers' compensation insurance, and social security payments. The rates used for workers' compensation insurance shall be actual rates paid by the Contractor for each specific craft and broken down by wage rate if applicable to that craft.

C. Actual General Liability insurance burden, if applied to Contractor's payroll.

4.2 Hourly Field Craft Labor Rates Limitations

The cost of hourly field craft labor for workers used in actual and direct performance of the work by the Contractor will be limited by the following:

A. Except as otherwise may be agreed to in writing by the City, the actual wages and benefits paid for manual classifications of Contractor's on-site workers will not, in the aggregate, be greater than the current applicable wage for each classification as established by the State of California Department of Industrial Relations.

B. Specifically prohibited from the labor costs are other payroll burden factors such as small tools (as defined in Attachment H Section 4.6-Construction Equipment), bonuses of any kind and safety incentives.

C. The Hourly Field Labor Rates will remain unchanged for the duration of the Project unless changed in accordance with an Industry Master Labor Agreement, if the Contractor is signatory to any such Agreements, changes by the Department of Industrial Relations, or changes made company-wide in the Contractor's organization for a craft classification in the Project's geographic area. All changes to these hourly field labor rates must be submitted by the Contractor to the City for review and approval prior to billing the City for work performed with new hourly labor rates. Increase in labor rates is not an allowable increase in the GMP.

4.3 Contractor's Hourly Field Craft Labor Rates

A. Based on the requirements and limitations of Sections; 4.1-Hourly Field Labor, and 4.2-Hourly Field Craft Labor Rates Limitations, the undersigned Proposer provides their hourly field labor rates set forth in **Table H.2** for all labor employed by Contractor used in the performance all of the Work for the Downtown Water Mains Replacement Project – Hillcrest Neighborhood.

B. The proposer is to list the crafts and classifications, up to foreman level, they anticipate using in the performance of the work when completing this **Table H.2**. Should the contractor ultimately use a craft classification not listed in table below, the contractor will submit backup cost information for that craft classification to the city.

C. Contractor shall include the actual travel and/or subsistence costs, if any, as a separate line item under the labor cost category when submitting progress billings to the City. Except as otherwise may be agreed to in writing by the City, the actual travel and/or subsistence costs will not be more than established in an applicable Master Labor Agreement or the State of California Department of Industrial Relations.

Table H.2: Hourly Rates. **Contractor Name:** **A. Teichert & Son, Inc. dba Teichert Construction**

Craft	Classification	Base Wage	Fringes Plus Vacation	P/R Tax & Insurance	Straight Time Hourly Rate	Overtime Daily /Saturday Rate (1.5 X)	Overtime Sunday /Holiday Rate (2 X)
Carpenter	Foreman (4001)	$52.65	$31.11	$14.84	$98.60	$131.69	$164.78
Carpenter	Journeyman (4010)	$46.77	$31.11	$13.33	$91.21	$120.60	$150.00
Laborer	Foreman (2001)	$42.51	$25.79	$11.71	$80.01	$106.73	$133.44
Laborer	Leadman (2005A)	$33.50	$25.79	$9.39	$68.68	$89.74	$110.79
Laborer	Group 1 (2180)	$32.50	$25.79	$9.14	$67.43	$87.85	$108.28
Operating Engineer	Foreman (0011)	$51.69	$31.63	$14.51	$97.83	$130.32	$162.80
Operating Engineer	Leadman (0010T)	$48.03	$31.63	$13.57	$93.23	$123.42	$153.60
Operating Engineer	Group 3 (0400)	$48.41	$31.63	$13.67	$93.71	$124.13	$154.56
Operating Engineer	Group 4 (0030)	$47.03	$31.63	$13.31	$91.97	$121.53	$151.09
Operating Engineer	Group 5 (0640)	$45.76	$31.63	$12.99	$90.38	$119.14	$147.90
Cement Mason	Foreman (5011)	$42.51	$26.66	$12.45	$81.62	$103.99	$129.25
Cement Mason	Journeyman (5030)	$39.20	$26.66	$11.60	$77.46	$102.10	$126.74
Teamster	Foreman (3300)	$35.95	$30.39	$9.97	$76.31	$98.91	$121.50
Teamster	Group 1 (3220)	$33.95	$30.39	$9.46	$73.80	$95.14	$116.47

4.4 Management and Administrative Labor

A. Wages and Salaries of Contractor's management and administrative personnel assigned to this Project to directly manage and administer the Work on-site shall be included in Table H.3. These positions may include a Principal-in-Charge or Project Director, On-site Project Manager, On-site Project Engineer, On-site Superintendents listed by trade or title, General Foremen, On-site Office Manager, Yardman/Delivery Driver and On-site Administrative Assistant. These positions will be paid in accordance with the following **Table H.3** for the entire duration of the Project and include all labor burden, overhead and profit mark-ups. The Principal-in-Charge can only charge for hours worked at the Site for this Project and can also charge for attendance of on-site Project Meetings. Any off-site Principal-in-Charge time spent on this Project shall be included in the Contractor's Fee Markups Schedule for the Project under subsection 10 below.

B. The Contractor is allowed to charge up to a maximum of fifty (50) hours per week for each full-time assigned supervisory and administrative personnel even if an employee works more than fifty (50) hours in a week. The Contractor can only charge for supervisory and administrative hours if they also pay those same hours to the employee that worked up to fifty (50) hours in any given week. The Contractor is not allowed to charge for any supervisory and administrative personnel hours not paid to any employee.

Other company personnel such as Corporate Officers and Division/Area Managers (unless either are designated as the Principle-in-Charge), Quality Control Managers, Safety Officers, Project Schedulers, Project Coordinators, Estimators, Business Supervisors and Accountants are not allowed to charge any hours to the Project. The Proposer should include the anticipated cost of such personnel in the Contractor's Fee Schedule for the Project under the Contractor's Fee Markups Subsection 10 below.

C. Based on the above requirements for Management and Administrative Labor, the undersigned Proposer proposes the rates set forth in **Table H.3** for all Management and Administrative labor employed by Contractor used in the performance all of the Work for the Downtown Water Mains Replacement Project - Hillcrest Neighborhood.

Table H.3: On-Site Management and Administrative Labor Rates

Management and Administrative Position	Hourly Rate
Project Director	$ 163.00
On-site Project Manager	$ 152.00
On-site Project Engineer	$ 71.00
On-site Superintendent	$ 121.00

4.5 Materials

The cost of all materials, including all factory testing, freight and delivery costs of materials, used in performing the work will be the cost to the Contractor from the supplier thereof. All discounts for early payment shall accrue to the Contractor unless the City's payment to Contractor is paid to Contractor before discount payment is due in which case discount savings will be fully credited to the City on next progress billing. All rebates and all returns from the sale of surplus materials shall be credited to the Cost of the Work. Any rebates from future use of re-usable materials, such as concrete forming materials, shall be negotiated between the Contractor and City as materials are evaluated for possible Contractor re-use on other projects.

4.6 Construction Equipment

A. The undersigned Proposer proposes the initial Contractor Owned Equipment Rates set forth in **Table H.4** for all Contractor Owned Equipment used in the performance all of the Work for the Downtown Water Mains Replacement Project - Hillcrest Neighborhood. The rates found in this table for equipment owned by the Contractor will, in all cases, be understood to cover all fuel, supplies, repairs, maintenance, insurance, ownership, and incidental costs and no further allowances will be made for those items, unless specifically approved in writing by the City.

B. Equipment owned by Contractor will only be paid for the actual time equipment is used in performing work and will be rounded to the closest full hour if paid by an hourly rate.

C. Compensation for idle time of equipment through delays caused by the City will be made consistent with Article 9-Changes in the Work in the Design-Assist Agreement, provided as Volume 2 to the Contract Documents; however, that the Owned Equipment Rates set forth below in **Table H.4** will apply.

D. All changes to these equipment rates must be submitted by the Contractor to the City for review and approval prior to billing the City for work performed with new hourly labor rates. Approved changes to equipment rates are not an allowable increase in the GMP.

E. The Proposer is to list the contractor owned construction equipment they anticipate using in the performance of the work when completing this table. Should the contractor ultimately use equipment not listed in table below, the contractor will submit backup cost information for that equipment item to the City for approval.

F. Equipment not owned by Contractor which is rented by Contractor and used in performing work will be paid by the City based on actual invoiced cost to Contractor, plus actual fuel/lube costs, provided the rental rate is not in excess of rental rates established by distributors or equipment rental companies in the local area. Owner-operated equipment will also be paid by the City based on actual invoiced cost to Contractor provided the City does not deem any charges excessive. All transportation costs to move equipment on and off the Work will be paid by the City up to a maximum of four (4) hours total travel time each way.

G. For equipment with a value less than $500.00: The Contractor will be paid an amount of three percent (3%) of total hourly field labor costs as defined in paragraph 4.3-Contractor's Hourly Field Craft Labor Rates above to cover the cost of small tools and safety supplies for work directly performed at the Site.

Table H.4: Contractor Owned Equipment. Contractor Name: A. Teichert & Son, Inc. dba Teichert Construction

Equipment Description	Hourly Rate	Daily Rate
F250 & F350 Pickup 2WD	$17.06	$136.48
F250 & F350 Pickup 4WD	$17.16	$137.28
F350 Pickup w/ Utility Bed	$18.79	$150.32
F550 Crew Truck & Cone Truck	$25.75	$206.00
Shoulder Machine Weiler W530	$143.01	$1144.08
Skip Loader JD210LJ	$39.94	$319.52
Backhoe JD410G	$39.45	$315.60
Backhoe JD710G	$59.63	$477.04
Loader Volvo L150	$75.38	$603.04
Roller Cat CB224E	$30.00	$240.00
Roller Cat CB534E	$52.64	$421.12
Excavator Cat 320	$82.34	$678.72
Lowbed Truck	$56.57	$452.56
Flatrack Truck	$28.70	$229.60
Vacuum Truck	$142.13	$1137.04

Attach additional sheets as needed.

4.7 Subcontractors and Sub Tier Subcontractors

The Contractor will be paid for all work performed by a subcontractor at the actual invoiced amount. Should a Subcontractor be required to perform extra work caused by a contract change order, the subcontractor will be allowed a mark-up as provided for in Volume 2 of the Contract Documents - Agreement..

4.8 Bonds and Insurance

The Contractor will be paid the actual cost for the 100% payment bond and 100% performance bond, as well as the cost of all insurance costs required for the Work (such costs are deemed a Cost of Work and are therefore contained within the GMP). Additional details regarding requirements for Bonds and

Table H.4: Contractor Owned Equipment. Contractor Name: A. Teichert & Son, Inc. dba Teichert Construction

Equipment Description	Hourly Rate	Daily Rate
Concrete and Asphalt Saw	$9.50	$76.00
GPS Equipment	$3.81	$30.42
Vacuum Trailer	$16.48	$131.84
Lube and Fuel Truck	$40.96	$327.68
Mechanic Truck	$29.75	$238.00
Water Truck	$50.54	$404.32

Attach additional sheets as needed.

4.7 Subcontractors and Sub Tier Subcontractors

The Contractor will be paid for all work performed by a subcontractor at the actual invoiced amount. Should a Subcontractor be required to perform extra work caused by a contract change order, the subcontractor will be allowed a mark-up as provided for in Volume 2 of the Contract Documents - Agreement..

4.8 Bonds and Insurance

The Contractor will be paid the actual cost for the 100% payment bond and 100% performance bond, as well as the cost of all insurance costs required for the Work (such costs are deemed a Cost of Work and are therefore contained within the GMP). Additional details regarding requirements for Bonds and

Insurance are included in Volume 2 of the Contract Documents – Agreement Article 11 – Insurance and Bonds; Indemnification.

4.9 Direct Job Overhead Expenses

The Contractor will be paid for the actual cost of job overhead expenses which may include such expenses as office trailers, storage vans, temporary fencing/security, toilets, dumpsters, waste removal, water, utility power, jobsite landline telephone costs, jobsite internet provider costs, reasonable room and board subsistence for employees who live farther than 40 miles from the Work Site or as required by California prevailing wage laws, copy machine, water cooler and any office furniture required for the Work needs, including mobilization and demobilization of same. There will be no warranty reserve.

4.10 Taxes

The Contractor acknowledges it will be liable for all sales, use, gross receipts or other taxes, tariffs or duties related to the Work and that these taxes and tariffs are included in the GMP. All invoices to the City will include the applicable taxes and tariffs that are the Contractor's responsibility and will not be shown as a separate line item on the Contractor's invoice.

5.0 CALIFORNIA LABOR CODE SECTION 6707

Pursuant to the provisions of California Labor Code Section 6707, each Proposal submitted in response to this RFP shall contain, as a separate cost item, adequate sheeting, shoring, and bracing, or equivalent method, for the protection of life or limb in trenches and open excavation, exceeding five (5) feet, which shall conform to applicable safety orders. By entering an amount for this cost item below, the Proposer warrants that its action does not convey tort liability to the City, the Engineer, the Construction Manager, the Funding Agencies and their respective officers, employees, agents, and subconsultants.

Table H.5: Total Amount for Worker Protection for CA Labor Code Section 6707

Protection in trenches and Open Excavations - Description	Total Cost
Cost for sheeting, shoring and bracing for the protection of life and limb in trenches and open excavations.	$130,000

6.0 SPECIAL SERVICES

Special work or services are defined as that work not included in this agreement and characterized by extraordinary complexity, sophistication, or innovation or a combination of the foregoing attributes which are unique to the construction industry. These special services may include such services as registered land surveyor, licensed geotechnical engineer, licensed structural engineer, special testing or laboratory work. The Contractor will be paid for special services based on actual invoiced cost, provided the City does not determine any special services costs to be excessive.

7.0 CITY REEQUIRED ALLOWANCES

The City is allowed to propose allowances for minor portions of the Work. The following City's cost allowances and allowance amounts must be included in the GMP:

Table H.6: City's Required Cost Allowances

Item#	Allowance Description	Allowance Amount
1	**Additional Potholing –** This includes all materials, labor, and equipment associated with potholes above and beyond the number required to identify existing utility crossings as shown on the plans. An estimated 730 potholes are required per the current alignment to verify parallel utility separations Contractor should include an additional 50 pothole locations for this allowance amount. Contractor must include all mobilization and demobilization costs associated with potholing at separate times. Assume a group of 10 potholes to be completed during each mobilization/demobilization.	$ 10,500
2	**Additional Utility Crossings and Parallel DDW sections** – This includes materials, labor, and equipment associated with pipe crossing under a utility not shown on the plans and additional restrained pipe associated with a parallel DDW location not identified on the plans. Contractor should assume an additional five (5) utility crossings at a depth of 5-7 feet and an additional 300-feet of restrained pipe at minimum depth.	$ 27,000
3	**Additional Pavement Restoration** – This includes materials, labor, and equipment associated with pavement restoration beyond the limits shown on the plans and required by the City Standards. All pavement restoration must be approved by the City in advance. This item will not be used for additional restoration required due to Contractor errors and lack of protection or care. Contractor should assume 20,000 square feet additional pavement restoration for this allowance.	$185,000
4	**Excessive Groundwater Dewatering** – This includes materials, labor, and equipment associated with removal and disposal of excessive groundwater. Contractor should assume dewatering operations may be necessary for installation of pipelines along Colnar Street and Melrose Avenue for this allowance.	$142,500
	Total of City's Required Cost Allowances:	$ 365,000

7.0 PROPOSER'S VOLUNTARY COST ALLOWANCES

The Proposer is allowed to propose allowances for minor portions of the Work. Proposers are limited to a maximum of three (3) proposed allowances and the total amount for all proposed allowances cannot exceed One Hundred Thousand Dollars ($100,000.00).

Each proposed allowance description should be well-defined. There are no scoring points assigned to any proposed allowances, but they may be discussed during the final negotiations with the highest ranked Proposer. Proposers are not required to propose any voluntary allowance item. Allowances shall not be considered for compensation as proposed shared savings as defined in Section 8.0 of this Attachment H.

The following Proposer's cost allowances and allowance amounts are included in the GMP:

Table H-6: Proposer's Voluntary Cost Allowances

Item#	Allowance Description	Allowance Amount
1		$
2		$
3		$
	Total of Allowances:	$ 0

8.0 PROPOSED SHARED SAVINGS

In the event the final Cost of Work, plus the Proposed Total Fee Mark-up for General Overhead and Profit, is less than the GMP, as adjusted by the Change Orders, the undersigned Proposer proposes a sharing of the savings as follows.

50 % of the savings to the City

50 % of the savings to the Contractor

Percent of Savings to the contractor must be a minimum of 20% plus the Total Fee Markup percentage for General Overhead and Profit as shown in the Section 1 of this Attachment H.

"GMP" Savings shall mean the positive difference, if any, when the actual Total Cost of the Work and Fee is subtracted from the GMP; provided, however, that unused Allowance monies, if any, shall not be subject to shared savings.

Should there be savings shared, City will pay the Contractor its share of the savings at the same time as the final retention payment.

9.0 ITEMS NOT INCLUDED IN THE COST OF WORK:

A. Salaries and other compensation of Contractor's personnel stationed at Contractor's principal office or offices other than the Site, except as specifically provided in this Attachment H Section 4.4 – Management and Administrative Labor.

B. Expenses of Contractor's principal office and offices, other than the Site office.

C. Contractor's General Overhead and Expenses, except as specifically provided for in the Contract Documents.

D. The capital expenses of Contractor, including interest on capital employed for the Work and charges to Contractor for delinquent payments.

E. Hours in excess of fifty (50) hours per week for each full-time assigned supervisory and administrative personnel even if a supervisory or administrative employee works more than fifty (50) hours in a week.

F. Costs due to correction of Defective Work, disposal of materials or equipment wrongfully supplied, and making good any damage to property.

G. Costs that would cause the GMP to be exceeded.

H. Any costs incurred after Owner's Final Acceptance of the Project.

10.0 CONTRACTOR'S FEE MARKUPS

A. The undersigned Proposer proposes the following mark-up fees for general overhead and profit in the performance all of the Work for the Downtown Water Mains Replacement Project - Hillcrest Neighborhood as shown in **Table H.7.**

Table H.7: Contractor's Fee Mark-up Schedule

Attachment H Section	Cost Category	Fee Mark-Ups For General Overhead And Profit
4.1-4.3	Hourly Field Labor	25 %
4.4	Management and Administrative Labor	Included in hourly rates
4.5	Materials	15 %

Attachment H Section	Cost Category	Fee Mark-Ups For General Overhead And Profit
4.6	Construction Equipment	25 %
4.7	Subcontractors	5 %
4.8	Bonds and Insurance	1 %
4.9	Direct Job Overhead Expenses	6.25 %
4.10	Taxes	7.75 %

B. Based on the above percentages for each cost category, the Proposed Total Fee Markup-for General Overhead and Profit percentage included in the Contractor's GMP is 18 %.

****END OF ATTACHMENT H****


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EXHIBIT C - GUARANTEED MAXIMUM PRICE, COST OF WORK, AND FEE

A. GUARANTEED MAXIMUM PRICE: The Guaranteed Maximum Price as of the date of execution of this Agreement is _Six Million, Nine Hundred Ninety Five Thousand, Five Hundred and Thirty Five_____ ($6,995,535.00_), U.S. Currency.

B. FEE AND CONTINGENCY: The Fee and Contingency amounts, if any, are as detailed in the CONTRACTOR'S Proposal, Part 2-Attachment H-GUARANTEED MAXIMUM PRICE, COST OF WORK, and FEE.

C. COST OF THE WORK:

Cost of the Work. The term "Cost of the Work" shall mean costs incurred by CONTRACTOR in the performance of the Work, that do not exceed the GMP. The following are categories of cost and expense to be paid by CITY to CONTRACTOR as Cost of the Work:

1. Construction Costs.

1.1. Labor Costs.

1.1.1. Wages of construction workers directly employed by CONTRACTOR to perform the construction of the Work at the Site or, with CITY'S agreement, at off-site workshops.

1.1.2. Wages or salaries of CONTRACTOR's supervisory and administrative personnel when stationed at the Site and wages, salaries and other costs of project management, pre-construction services, form design, foundation engineering, manpower planning, purchasing, estimating and data processing, whether performed at the Site or in CONTRACTOR's offices, including, but not limited to services rendered during the Design Phase of the Project.

1.1.3. Wages and salaries of CONTRACTOR's supervisory or administrative personnel engaged at factories, workshops or on the road, in expediting the production or transportation of materials or equipment required for the Work, but only for that portion of their time required for the Work.

1.1.4. Costs paid or incurred by CONTRACTOR for taxes, insurance, contributions, assessments and benefits required by law or collective bargaining agreements and, for personnel not covered by such agreements, customary benefits such as sick leave, medical and health benefits, holidays, vacations and pensions, provided such costs are based on wages and salaries included in subsections 1.1.1 through 1.1.3 above.

1.2. **Subcontract Costs**. Amounts due Subcontractors in accordance with the requirements of the Subcontracts.

1.3. **Costs of Materials and Equipment Incorporated in the Completed Construction**. Costs, including transportation, of materials and equipment incorporated or to be incorporated in the completed construction.

1.4. **Costs of other Materials and Equipment, Temporary Facilities, and Related Items**.

1.4.1. Costs, including transportation, installation, maintenance, dismantling

and removal of materials, supplies, temporary facilities, machinery, equipment and hand tools not customarily owned by the construction workers, which are provided by CONTRACTOR at the Site and fully consumed in the performance of the Work; and cost, less salvage value, on such items if not fully consumed, whether sold to others or retained by CONTRACTOR. Costs for items previously used by CONTRACTOR shall mean fair market value.

1.4.2. Rental charges for temporary facilities, machinery, equipment and hand tools not customarily owned by the construction workers, which are provided by CONTRACTOR at the Site, whether rented from CONTRACTOR or others, and costs of transportation, installation, minor repairs and replacements, dismantling and removal thereof. Rental charges for equipment owned by CONTRACTOR shall be at then prevailing rates.

1.4.3. Costs of removal of debris from the Site.

1.4.4. Costs of facsimiles, telegrams and long distance telephone calls, postage and delivery charges (whether originating at the Site or at the offices of CONTRACTOR or CONTRACTOR), telephone service at the Site and reasonable petty cash expenses of the Site office.

1.5. Premiums; Taxes; Fees; Royalties.

1.5.1. That portion directly attributable to this Agreement of premiums for insurance and the Payment and Performance Bonds.

1.5.2. Sales, use, gross receipts or similar taxes imposed by a governmental authority, which are related to the Work and for which CONTRACTOR is liable.

1.5.3. Fees and assessments for any permits, licenses and inspections required by the Contract Documents.

1.5.4. Fees of testing laboratories for tests required by the Contract Documents or government authorities.

1.5.5. Royalties and license fees paid for the use of a particular design, process or product required by the Contract Documents. The costs of defending suits or claims for infringement of patent rights arising from such requirement by the Contract Documents; payments made in accordance with legal judgments against CONTRACTOR or CONTRACTOR resulting from such suits or claims and payments of settlements in connection therewith.

1.5.6. Deposits lost for cause other than CONTRACTOR's negligence.

1.6. **Emergencies**. Costs incurred in taking action to prevent threatened damage, injury or loss in case of emergency affecting the safety of persons and property, as provided in Article 12.10-EMERGENCIES of this Agreement.

1.7. **Other Costs.** Other costs incurred in the performance of the Work, if and to the extent approved in writing by CITY, which approval shall not be unreasonably withheld.

2. Items not Included in Cost of the Work.

2.1. Salaries and other compensation of CONTRACTOR's personnel stationed at CONTRACTOR's principal office or offices other than the Site, except as specifically provided in subsection 1 above.

2.2. Expenses of CONTRACTOR's principal office and offices, other than the Site office.

2.3. Overhead and general expenses, except as may be included in subsection 1 above.

2.4. The capital expenses of CONTRACTOR, including interest on capital employed for the Work.

2.5. Costs that would cause the GMP to be exceeded.

END OF EXHIBIT C

EXHIBIT D - CONSTRUCTION ALLOWANCE ITEMS AND AMOUNTS

A. The following cost allowances and allowance amounts are included in the GMP as part of the Agreement:

Table D-1: Allowance Descriptions

Item#	Allowance Description	Allowance Amount
1	**Additional Potholing –** This includes all materials, labor, and equipment associated with potholes above and beyond the number required to identify existing utility crossings as shown on the plans. An estimated 730 potholes are required per the current alignment to verify parallel utility separations Contractor should include an additional 150 pothole locations for this allowance amount. Contractor must include all mobilization and demobilization costs associated with potholing at separate times. Assume a group of 10 potholes to be completed during each mobilization/demobilization.	**$31,500**
2	**Additional Utility Crossings and Parallel DDW sections** – This includes materials, labor, and equipment associated with pipe crossing under a utility not shown on the plans and additional restrained pipe associated with a parallel DDW location not identified on the plans. Contractor should assume an additional five (5) utility crossings at a depth of 5-7 feet and an additional 300-feet of restrained pipe at minimum depth.	**$27,000**
3	**Additional Pavement Restoration** – This includes materials, labor, and equipment associated with pavement restoration beyond the limits shown on the plans and required by the City Standards. All pavement restoration must be approved by the City in advance. This item will not be used for additional restoration required due to Contractor errors and lack of protection or care. Contractor should assume 20,000 square feet additional pavement restoration for this allowance.	**$185,000**
4	**Excessive Groundwater Dewatering** – This includes materials, labor, and equipment associated with removal and disposal of excessive groundwater. Contractor should assume dewatering operations may be necessary for installation of pipelines along Colnar Street and Melrose Avenue for this allowance.	**$142,500**
5	**Meter and Private Laterals Restoration** – this includes materials, labor, equipment and coordination with City Water Utility for replacement of Water Meter appurtenances as determined necessary by the City.	**$50,000**
	Total of City's Required Cost Allowances:	**$436,000**

B. DUTIES OF CONTRACTOR

1. Plan allowance Work collaboratively with the Construction Manager and CITY's Representative to control allowance costs and avoid impacts to the Progress Schedule.

2. Advise Construction Manager at least fifteen (15) days in advance of the need to purchase materials to avoid impacts to Progress Schedule.

3. Obtain competitive proposals from material suppliers, including:

   3.1. Quantity.

   3.2. Complete description of product and services provided under allowance.

   3.3. Unit cost.

   3.4. Total amount of purchase.

   3.5. Taxes and delivery charges.

4. On notification of selection, enter into purchase agreement with designated supplier.

5. Arrange for delivery and unloading.

6. Install products in accordance with Contract Documents.

7. Maintain accurate cost records, separate from the cost categories for the balance of the Work, which depict the total cost incurred for each allowance item.

8. Monitor each allowance item total costs to date and immediately report to the Construction Manager should the total cost to date reach 80% of the total allowance amount of any allowance item amount shown in above table. Should the total cost of any allowance item reach 80% of the total allowance amount budgeted, the Contractor shall quantify and forecast the cost to complete the remaining known allowance item tasks and submit this forecasted quantity and completion cost to the Construction Manager**.**

C. DUTIES OF CONSTRUCTION MANAGER

1. Consult with Contractor and CITY in consideration of equipment or material and suppliers.

2. Provide Contractor with all required product, technical or design related information as it pertains to the allowance items.

3. Make equipment, supplier or system selection and request proposal from Contractor for these items covered by each allowance.

4. Notify Contractor of final equipment, supplier or system selection to allow Contractor to begin submittal and procurement.

5. Review cost to date information submitted by the Contractor and prepare Change Orders as required for CITY approval.

D. ADJUSTMENT OF COSTS

1. The Contractor shall not exceed the allowance amounts shown in above table without the written approval of the CITY. Should the Contractor exceed the allowance amounts without the written approval of the CITY, the Contractor will be responsible for all

costs greater than the allowance amounts shown in above table.

2. Contractor will be paid the actual total cost of each allowance item as a Cost of the Work. When actual total cost is more or less than amount of allowance, the GMP will be adjusted by Change Order.

END OF EXHIBIT D

EXHIBIT E - HAZARDOUS MATERIALS

A. Certain Definitions.

1. "Hazardous Materials means any substance:

1.1. The presence of which requires investigation or remediation under federal, state or local law, statute, regulation, ordinance, order, action, policy or common law;

1.2. Which is or becomes defined as a "hazardous waste," "hazardous substance," pollutant or contaminant under any federal, state or local law, statute, regulation, rule or ordinance or amendments thereto, including, without limitation, the Comprehensive Environmental Response, Compensation and Liability Act, 42 USC §§9601 et seq. ("CERCLA"), as amended, or the Resource, Conservation and Recovery Act, as amended, 42 USC §§6901 et seq. ("RCRA");

1.3. Shall include the meaning provided in Section 100 of the Solid Waste Disposal Act (42 USC Section 6903 and/or Section 25117 of the California Health and Safety Code) as amended from time to time, or any other hazardous material, hazardous waste, hazardous substance, pollutant, and/or contaminant with requirements under federal, State of California, or local law, statute, regulation, rule, ordinance, order, action, policy or common law;

1.4. Which is petroleum, including crude oil or any fraction thereof not otherwise designated as a "hazardous substance" under CERCLA, including without limitation gasoline, diesel fuel or other petroleum hydrocarbons;

1.5. Which is toxic, explosive, corrosive, flammable, infectious, radioactive, carcinogenic, mutagenic, or otherwise hazardous and is or becomes regulated by any governmental authority or instrumentality;

1.6. The presence of which on the Site causes or threatens to cause a nuisance upon the Site or to the adjacent properties or poses or threatens to pose a hazard to the health or safety of persons on or about the Site; or

1.7. The presence of which on adjacent properties could constitute a trespass by CONTRACTOR or CITY.

2. "Underground Storage Tank" shall have the definition assigned to that term by RCRA §9001, 42 USC §6991, and also shall include:

2.1. Any tank of 1,100 gallons or less capacity used for storing motor fuel;

2.2. Any tank used for storing heating oil for consumption on the premises where stored;

2.3. Any septic tank; and any pipes connected to items A.2.1-A.2.3.

3. "Environmental Requirements" means all Applicable Laws, statutes, regulations, rules, ordinances, codes, licenses, permits, orders and similar items of all federal, state or local governmental agencies or other instrumentalities and all applicable judicial, administrative and regulatory decrees, judgments and orders relating to the protection of human health or the environment, including, without limitation:

3.1. All requirements, including but not limited to, those pertaining to reporting,

licensing, permitting, investigation and remediation of emissions, discharges, releases or threatened releases of Hazardous Materials into the air, surface water, ground water or land, or relating to the manufacture, processing, distribution, use, treatment, storage, disposal, transport or handling of Hazardous Materials; and

3.2. All requirements pertaining to the protection of the health and safety of employees or the public.

4. **"Environmental Damages"** means all claims, judgments, damages, losses, penalties, fines, liabilities, encumbrances, liens, costs and expenses of investigation and defense of any claim, including, without limitation, attorney's fees, which are incurred at any time as a result of the existence of Hazardous Materials upon, about or beneath the Site or migrating or threatening to migrate to or from the Site, and including, without limitation:

4.1. Damages for personal injury, or injury to property or to natural resources occurring upon or off the Site;

4.2. Fees incurred for the services of attorneys, consultants, CONTRACTOR, experts, laboratories and all other costs incurred in connection with the investigation or remediation of such Hazardous Materials or violation of Environmental Requirements; and

4.3. Liability to any third party or governmental agency or political subdivision to indemnify such party, agency or political subdivision for costs expended in connection with the items listed in subparagraph A.4.2.

5. **"Environmental Conditions"** means collectively, Hazardous Materials and Underground Storage Tanks existing on the Site and not brought there by CONTRACTOR or any Subcontractor.

B. Investigation of Site.

1. Upon written notice from CITY, CONTRACTOR shall prepare for approval and execution by CITY, one or more contracts ("Environmental Contracts") with suitably qualified consultants and/or engineers ("Environmental Engineers"), for purposes of performing an investigation and analysis of the Site prior to demolition and excavation activities, to determine the presence of any Environmental Conditions on, in or under the Site. The Environmental Contracts shall provide for a commercially reasonable scope of investigation approved by CITY, and may provide for conducting the investigation and testing in phases acceptable to CITY. The Environmental Contracts shall also provide that the Environmental Engineers shall begin their tests and inspections at the Site as soon as CITY is able to arrange access to the Site, or any portions thereof, for such purposes. The Environmental Contracts shall provide that CONTRACTOR, acting as agent of CITY, shall coordinate the activities of the Environmental Engineers.

2. The Environmental Contracts shall provide that the Environmental Engineers shall prepare such reports, feasibility studies and remedial plans ("Environmental Assessments") as may be reasonably necessary in order to identify and explain the quantity, scope and nature of the Environmental Conditions found to exist at the Site. The Environmental Assessments shall contain a detailed analysis of the Environmental Conditions discovered, and the actions ("Remedial Actions") required for the response, removal, cleanup or remediation of such Environmental Conditions (i) which are required by Environmental Requirements, or (ii) which are reasonably necessary to

mitigate Environmental Damages.

3. The Environmental Contracts shall provide that the Environmental Engineers shall promptly provide CITY and CONTRACTOR with a copy of each Environmental Assessment, together with any other reports and test results generated pursuant to the Environmental Contracts. CONTRACTOR shall, promptly after receipt of the foregoing matters from the Environmental Engineers, prepare and submit to CITY a written report setting forth CONTRACTOR's understanding of whether and to what extent any recommended Remedial Actions may result in an amendment to the Schedule and the progress of the Work.

4. The Environmental Contracts shall provide that it shall be the responsibility of the Environmental Engineers to give any necessary notice to the appropriate regulatory agency or agencies of the presence of any Environmental Conditions; to pursue all necessary negotiations with such agencies concerning preparation and approval of a plan for clean-up to the extent required; and to obtain all necessary permits to perform any Remedial Actions.

C. Remedial Actions.

1. If so instructed by CITY, based upon the results of the Environmental Assessments, CONTRACTOR shall, as agent for CITY, obtain bids from remediation contractors ("Remediation Contractors) suitably qualified and approved by CITY, to perform the Remedial Actions selected by CITY and shall submit such bids to CITY, together with CONTRACTOR's recommendation of the Remediation Contractor(s) to be retained. If CITY elects to go forward with all or any portion of the Remedial Actions covered by the bids submitted, CITY will so advise CONTRACTOR in a written notice on or before the date which is sixty (60) Days after receipt of the foregoing matters from CONTRACTOR. Promptly after receipt of such notice, CONTRACTOR shall prepare for CITY's execution remediation contracts ("Remediation Contracts") with the Remediation Contractors identified in such notice.

2. CONTRACTOR, as agent for CITY, shall be responsible for coordinating the work and services performed by the Remediation Contractors, and coordinating such remediation work with the Work.

3. If in the course of performance of the Work, CONTRACTOR encounters on the Site any Hazardous Materials not previously disclosed and remediated by the Environmental Engineers or the Remediation Contractors, CONTRACTOR shall immediately suspend the Work in the area affected and promptly thereafter report the condition to CITY.

D. Payments: Liability of CONTRACTOR.

1. All payments due under the Environmental Contracts and the Remediation Contracts shall be made by CITY directly to the Environmental Engineers and the Remediation Contractors. Such payments will be based on requisitions, which requisitions shall be approved by CONTRACTOR prior to submission to CITY.

2. All payments due under the Environmental Contracts, the Remediation Contracts and for Environmental Damages, shall not be a part of the GMP, and shall be the sole responsibility of CITY, except as expressly provided otherwise in Section 5 hereof.

3. It is understood and agreed that with respect to any Environmental Conditions existing on the Site, CONTRACTOR is not, and shall not be deemed to be, a generator, arranger, operator, treater, storer, transporter or disposer of, or otherwise responsible for, any such Environmental Conditions. It is understood and agreed that CONTRACTOR shall

have no right to direct the means or methods of performance of any Environmental Engineer or Remediation Contractor.

4. CITY shall indemnify, defend and hold harmless CONTRACTOR, from and against any Environmental Damages asserted against or sustained by CONTRACTOR as a result of CONTRACTOR being deemed or determined to be a generator, arranger, operator, treater, storer, transporter or disposer of, or otherwise responsible for, any such Environmental Conditions.

E. Environmental Responsibilities of CONTRACTOR.

1. CITY acknowledges and agrees that CONTRACTOR shall not commence or continue any demolition or construction activities on any portion of the Site on or in which Remedial Actions are to be performed until such Remedial Actions are to the point where construction activities will not interfere with such Remedial Actions, as evidenced by appropriate certification by the applicable Environmental Engineer and/or Remediation CONTRACTOR and any required approval of any applicable government agency. CONTRACTOR agrees to use good faith diligent efforts to adjust and reschedule its activities at the Site so as to minimize, to the extent reasonably practical, the adverse effect on the progress of the Work resulting from any Remedial Actions.

2. CONTRACTOR shall not bring Hazardous Materials to the Site, and shall not include Hazardous Materials in any construction materials, unless permitted by Environmental Requirements. CONTRACTOR shall comply, and shall cause all Subcontractors to comply, with all Environmental Requirements regarding the generation, handling, storage, treatment and disposal of Hazardous Materials.

3. CONTRACTOR shall indemnify, defend and hold harmless the Indemnified Parties from and against any Environmental Damages asserted against or sustained by such parties as a result of any Environmental Conditions caused or created by CONTRACTOR or any Subcontractor, or of any violation by CONTRACTOR or the Subcontractors, of any Environmental Requirement arising out of the performance of the Work.

END OF EXHIBIT E-HAZARDOUS MATERIALS

EXHIBIT F - IN LIEU OF SECURITIES ESCROW AGREEMENT

(use is optional by Contractor)

Pursuant to Section 22300 of the Public Contract Code of the State of California, CONTRACTOR has the option to deposit securities, subject to prior approval of CITY, with ESCROW AGENT, as a substitute for retention earnings required to be withheld by CITY pursuant to the contract for public works entered into between the CITY and CONTRACTOR.

CITY OF ROSEVILLE, a municipal corporation:

BY:_____

DOMINICK CASEY

CITY Manager

ATTEST:

BY:_____

SONIA OROZCO

CITY Clerk

APPROVED AS TO FORM:

BY:_____

ROBERT R. SCHMITT

CITY Attorney

CONTRACTOR:

_____, a

_____

BY:_____

its:_____

END OF DOCUMENT-IN LIEU OF SECURITIES ESCROW AGREEMENT

Bond No._____

Premium $_____

EXHIBIT G - BOND FORMS

There are three (3) bond forms that constitute Exhibit G following this index sheet.

1. Performance Bond
2. Labor and Material Bond
3. Warranty Bond

Bonds under separate cover

EXHIBIT H - COMPLETION TIMES AND LIQUIDATED DAMAGES

Downtown Water Mains Replacement Project - Hillcrest Neighborhood

A. Times Allowed for Completion

In accordance with the provisions of Article 7.2 - Contract Time, the following milestone completions, completion periods, substantial completion and final completion contract times shall be completed within the number of consecutive calendar days from the date established in the Notice to Proceed for the commencement of Contract Time:

Table H.1 – Times Allowed for Completion of Each Project Milestone

Contractual Completion Event	Completion Time (Number of calendar days from Notice to Proceed Date)
Milestone 1: Substantial Completion of Folsom Road	60
Milestone 2: Substantial Completion of All Work	250
Milestone 3: Final Completion of All Work	280

The requirements for Substantial Completion are set for the in Article 8.13 of the Agreement.

B. Damages for Delays

In accordance with the provisions of Article 7-TIME AND PROGRESS OF WORK for the period of time that any portion of the Work remains unfinished after the time fixed in above Table H-1: Times Allowed for Completion of Each Project Milestone, as modified by extensions of time granted by the Owner, it is understood and agreed by the Contractor and the Owner that the Contractor shall pay the Owner the liquidated damages listed below.

Table H-2: Daily Liquidated Damages for Non-Completion of Each Project Milestone

Contractual Completion Event	Daily Liquidated Damages
Milestone 1: Folsom Road	$ 500
Milestone 3: Substantial Completion	$1,000
Milestone 3: Final Completion	$1,000

C. Weather Days

In accordance with the provisions of Article 7-TIME AND PROGRESS OF WORK, an allowance of twenty (20) working days of weather or other caused Excusable Delays are included in the time allowed for completion. This allowance represents a reasonable assessment of anticipated lost working days based on historical weather patterns. These weather days shall be included in the Contractor's schedule as specified in Technical Specifications Section 01-32-50-PROJECT SCHEDULES AND REPORTS.

END OF EXHIBIT H



CONTRACT DOCUMENTS FOR

DESIGN-ASSIST AND CONSTRUCTION OF
DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

VOLUME 3 OF 4:

TECHNICAL SPECIFICATIONS

INCLUDING:
Division 1, Division 2, Appendices

DUE: November 20, 2020 at 3:00 PM

DELIVER TO:
City of Roseville
Attn: City Clerk Department
311 Vernon Street
Roseville, CA 95678

CITY OF ROSEVILLE

CONTRACT DOCUMENTS

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PART 1
TECHNICAL SPECIAL PROVISIONS

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TECHNICAL SPECIAL PROVISIONS

SP 1. PROJECT LOCATION

A. The Project Area includes multiple streets within the Hillcrest Neighborhood of the City of Roseville – Drawing G4 of the project plans shows the location of the site.

SP 2. HEALTH AND SAFETY

B. Refer to Volume 2, Design-Assist Construction Agreement, Article 5 – Contractor Rights and Responsibilities, 5.8 – Contractor's Safety Responsibility.

C. COVID-19 – Coronavirus Disease – The Contractor is solely and completely responsible for implementing the applicable COVID-19 guidelines from the California Department of Industrial Relations, Division of Occupational Safety and Health, and the applicable COVID-19 guidance from the Centers for Disease Control and Prevention for the protection of workers, including regulations concerning education, training, routine cleaning, on-site washing facilities, and the use of Personal Protective Equipment (PPE) at the workplace (collectively, "Guidelines"). The Contractor must submit a plan and/or narrative description to the City for compliance with these Guidelines prior to commencement of the Work. This safety plan and/or narrative description Must describe all education, training, routine cleaning, on-site washing facilities, Personal Protective Equipment (PPE), or similar to be used at the Project Site. Full compensation for implementing the Guidelines, and any required updates to the safety plan and/or narrative description, shall be considered as included in the Guaranteed Maximum Price (GMP) and part of the incidental work associated with the project (see Volume 2, Design-Assist Construction Agreement for definition).

SP 3. WORKING HOURS

A. Per the City's Municipal Code – Noise Ordinance 9.24 construction is permitted from 7am to 7pm Monday through Friday. Additionally, no project work on any streets shall be done on Saturdays, Sundays, or Legal Holidays unless otherwise approved. Unless otherwise noted, directed or approved by the City, no lane of traffic shall be closed to the public during the peak hours of 6:30 a.m. to 8:30 a.m. and 3:30 p.m. to 6:00 p.m., except as necessary for the proper care and protection of work already performed or in case of an emergency repair. These exceptions are allowed only with the City's approval and written permission.

B. Night work is anticipated and must be included for tie-ins associated with work along Douglas Boulevard and sections of Sunrise Avenue. Final night work requirements and hours are subject to the traffic control plans submitted by the Contractor for approval. Night work will require the Contractor to submit an exception request to the City's Noise Ordinance. See City's Municipal Code – Noise Ordinance 9.24 for requirements for the noise exception. The Contractor is responsible for obtaining the approvals needed for night work.

SP 4. PERMITS

A. City obtained permits – The City has obtained the following permits. It is the Contractor's responsibility to understand and comply with these permits.

1. The City will waive the formal City Encroachment Permit process. However, Appendix A contains Encroachment Permit General Conditions that the Contractor must comply with.

2. Project Stormwater Pollution Prevention Plan (SWPPP) – The Contractor is made aware that the Project is over one (1) acre. This calculation does not include the Contractor's material, equipment and staging area that must be incorporated into the SWPPP coverage. The State Stormwater Pollution Prevention Plan (SWPPP) was developed by a Qualified SWPPP Developer (QSD) in compliance with the State Construction General Permit (2009-0009-DWQ). The Contractor will be responsible for implementing the SWPPP that has been prepared for this project and providing a qualified SWPPP practitioner (QSP) to oversee the SWPPP implementation including but not limited to all monitoring and reporting.

3. DDW Waiver. Refer to Special Provision 5.

B. **Contractor obtained permits** – The following is a partial list of permits that may be needed by the Contractor. The Contractor must provide the City copies of all permits obtained for the project. It is the Contractor's sole responsibility to ensure they have all the necessary permits to construct the project and satisfy the local, State, and Federal permit requirements:

1. Dewatering Permit – In November of 2014, the Central Valley Region adopted Waste Discharge Requirements Order WQ2014-0194-DWQ and National Pollutant Discharge Elimination System (NPDES) Permit No. CAG140001 to regulate construction dewatering. Should the Contractor need to control groundwater by dewatering and/or depressurization of water bearing soil and rock formations, the Contractor must comply with this NPDES Permit, or any updated NPDES Permit, and all other laws and regulations having jurisdiction over construction dewatering matters including well installation/abandonment, water discharge, use of existing storm drains and natural water sources. Contractor can download a complete copy of Order WQ2014-0194-DWQ.

http://www.waterboards.ca.gov/water_issues/programs/npdes/docs/drinkingwater/final_statewide_wqo2014_0194_dwq.pdf

2. The Contractor will be held responsible for any fines or penalties from regulatory agencies resulting from its dewatering system.

3. Before dewatering is commenced, the Contractor shall obtain acceptance of the Construction Inspector for the method, installation, monitoring, testing, removal, discharge point(s) and other system details of the Contractor's proposed dewatering system. To that end, the Contractor is to submit to the Construction Inspector a complete dewatering plan prepared and signed by a Professional Engineer registered in California.

4. Temporary Construction Water Permit

5. Water required for pressure testing must be obtained by the Contractor. The Contractor may use water from the hydrants owned by the City, provided that a construction water permit is obtained. The Contractor must ensure that the water used meets potable water standards. The Contractor shall provide all necessary, transportation, equipment, and conveyance facilities to provide for quantity and quality of water required to complete the project. Costs for water conveyance facilities, storage, or transportation to the project site shall be borne by the Contractor. This includes all necessary piping and components, but only at such locations and in a manner approved by the City Representative. Before final acceptance of the project, all temporary connections and piping installed by the Contractor shall be removed in a manner satisfactory to the City.

SP 5. DIVISION OF DRINKING WATER WAIVER

A. The City has applied for a State Water Resources Control Board Division of Drinking Water (DDW) waiver from the water main separation requirements at multiple locations. A copy of the waiver is included as Appendix D to these specifications for reference. The Contractor is made aware that each of the locations listed in the waiver requires photos and written documentation that must be coordinated with the City Inspector. The Contractor is responsible to ensure that all waiver locations are installed per the requirements and are properly documented (including photos and reports) prior to backfill.

B. The Contractor is made aware that the Project plans were developed on utility information obtained from varying sources and documents that may be incomplete, inaccurate, or not shown. As part of this Project the Contractor will be required to request USAs and perform utility potholing to field verify the location of all utilities. The information gathered from Contractor's utility potholing effort is to be provided to the **Engineer** within a week of performing the pothole. This information will be used to update the Project plans and may alter the DDW Waiver upon which the **Engineer** will request an amendment to the Waiver and notify the City and the Contractor of any impacts to the separation and crossing requirements of the alignment.

C. The Contractor is made aware that the pipe installation includes sections of restrained push-on pipe and restrained mechanical joint per Details 1 and 2 provided on Drawing D3. The Contractor is responsible for field verifying all separation and crossing requirements of this detail and the Waiver are met. Any

changes from the plans or details shall be coordinated, reviewed, and approved in advance.

SP 6. TRENCH BACKFILL/COMPACTION AND FINAL ROAD RESTORATION

A. Contractor is made aware that the City is in the process of restoring roads within the project area. The Contractor shall coordinate with City crews to minimize impacts to the residents to the fullest extent possible.

B. As this project is a City directed project, the City's Trench Cut Ordinance and Trench Cut Fee are waived.

C. The trench backfill and **compaction shall be per Detail 3** as shown on the plan sheet D4 and the City of Roseville's Design and Construction Standards. Trench backfill will be Class 2 AB within the Trench Zone and Road Base section. Refer to the Plans and specifications for materials specifics and compaction requirements.

D. Contractor is made aware that existing pavement thickness varies throughout the project. Existing pavement on Douglas Blvd and Sunrise Ave are up to 10-inches. Vine Ave has an existing pavement thickness of 10-inches. Keehner Avenue has an existing thickness of 8-inches. Per the City of Roseville Standards all pavement replacement shall be a minimum of 6-inches or existing pavement thickness.

E. The City will allow striping restoration on minor residential streets to be replaced with standard striping (not thermoplastic). Major streets, including Sunrise Ave and Douglas Blvd, require thermoplastic striping per City Standards.

SP 7. GROUNDWATER

A. Contractor is made aware that groundwater is anticipated along Colnar Street and Melrose Avenue. Cost associated with groundwater removal and disposal must be included in the GMP under the applicable Owner allowance item.

SP 8. MATERIAL TESTING

A. Per the City of Roseville's Design and Construction Standard Section 31-2, the Contractor is required to retain the services of a 3rd party California licensed geotechnical engineer to conduct all material testing of trench backfill materials (e.g. Import Materials, Slurry Cement, and Native Materials), concrete, and final asphalt pavement.

B. Contractor shall provide geotechnical compaction test results within 24-hours of testing.

SP 9. CORROSION PROTECTION

A corrosion study was conducted as part of the design of the project. The following corrosion protection measures must be included with the construction per the City of

Roseville's Design and Construction Standards Section 81-Domestic Water Supply System Construction:

A. Insulating kits (81-16,G.11.d) shall be installed at transitions between dissimilar metal pipes per the Construction Details (W-21) and as required by the Environmental Utilities Department.

B. All valves, fittings, DIP, copper and underground brass shall be wrapped and sealed in an 8-mil minimum thickness clear polyethylene encasement (81- 16,G.26). Use 10 mil pipe wrap tape (81-16,G.25) to secure and seal to the polyethylene encasement. Damaged or scratched surfaces on epoxy coated valves and appurtenances may be repaired with an epoxy kit per manufacturer's recommendations and to the satisfaction of the Construction Inspector–prior to wrapping. Otherwise, the damaged valve shall be replaced with a new valve.

C. Copper Service Lines

1. Service saddles shall be wrapped and sealed in 8-mil minimum thickness polyethylene and backfilled with sand. Use pipe wrap tape to secure and seal the polyethylene wrap.
2. Service lines shall be encased in 8-mil minimum thickness poly tubing and backfilled with clean washed well graded sand (100% passing #4 sieve and less than 10% passing #100 sieve). Use pipe wrap tape to secure and seal the polyethylene wrap.
3. Service saddles shall be installed with zinc caps (81-16,G.43) on all bolts.

D. Ductile Iron Pipe

1. Metallic lines shall be exothermically welded and electrically continuous on DIP runs exceeding 100 feet or as approved by the Environmental Utilities Department Director. Each joint shall have 2 individually welded wires. Exothermic welds shall be installed per Detail W-20 and as follows:
2. Weld only against bare metal adjacent to both bell and spigot ends of pipe.
3. Care must be taken not to remove excess metal when removing the pipe coating.
4. Correct horizontal molds must be used for pipe diameters from 4 to 24 inches in diameter.
5. After a solid weld is made, coat the bare metal with an acceptable bituminous coating material and cover with a exothermic weld cap (81-16,G.8.d).
6. DO NOT weld onto valves.
7. Corrosion test stations shall be installed on metallic lines at intervals not to exceed 1,000 lineal feet or as specified on the approved plans. NOTE: Approximate locations of test stations are included on the plans. Final locations are dependent on the final length of ductile iron pipeline determined following potholing of existing utilities.
8. Corrosion protection facilities shall be identified from the roadway with curb stamp "CP-RW"

E. Corrosion Protection System Testing

1. At the completion of the pipe installation and prior to any curb and gutter installation, the Contractor shall provide a third-party corrosion protection consultant to conduct a test of the corrosion monitoring system in the presence of the Construction Inspector. A report showing the test results shall be submitted to the Environmental Utilities Department for review and approval. The report shall include test station locations as called out on the approved plans, appurtenance tested, test result, and recommendations for future monitoring and maintenance.

SP 10. TRAFFIC CONTROL

A. An approved traffic control plan (TCP) will be required prior to the beginning of Work. The Contractor is solely responsible for preparation and submittal of the TCP for the City's approval. Each TCP review may take up to 15 working days.

B. The Contractor shall provide traffic control plans for all roadways in a complete submittal for review. Piecemealing of TCPs (only providing sections or one street at a time) will not be allowed and may delay review and approval by the City.

C. Pedestrian and disabled mitigation practices to be incompliance with State and local requirements. These provisions shall be shown on the TCP.

D. Refer to California MUTCD typical applications for TCP requirements.

E. Changeable Message Signs (CMS) Boards will be required a minimum of 2-weeks in advance of all anticipated work associated the Douglas Blvd and night work activities. The contractor shall include a minimum of four (4) boards for the duration of night work activities.

F. Holiday Moratorium: Douglas Blvd is included under the City's Holiday Moratorium. All construction work on Douglas Blvd will be suspended and no activities that interfere with public traffic will be allowed on designated streets (identified above) during holiday season (defined as the four-day Thanksgiving weekend and December 8 through January 1)

SP 11. DISCOVERY OF CULTURAL RESOURCES

A. If discovery is made of items of historical archaeological or paleontological interest, the **Contractor** is to immediately cease all Work in the area of discovery and promptly notify the **City Project Engineer** and the **City of Roseville Community Development Department** and comply with the City of Roseville's Design & Construction Standards (DCS) Section 21-2.E.

B. Archaeological indicators may include, but are not limited to, dwelling sites, locally darkened soils, stone implements or other artifacts, fragments of glass or ceramics, animal bones, human bones and fossils. Do not resume Work in the area of discovery until authorization is received from the **City Project Engineer**. When

work is resumed, excavation or other activities shall be as directed by the **City Project Engineer**. If the discovery of cultural resources causes a decrease or increase in the **Contractor's** cost of, or the time required for, performance of any part of the Work the **City** shall cause to be issued a change order under the procedures provided in Volume 2, Design-Assist Construction Agreement, Article 9.

SP 12. ORDER OF WORK AND WORK SEQUENCING

A. Prior to the start of work the Contractor shall provide the City with a detailed plan for their anticipated sequence of work. The plan shall provide information on how the Contractor plans to minimize the impact to residents including work on private property. In order to minimize impacts, it is anticipated the Contractor will need to perform multiple flushing and disinfection operations thus completing agreed upon areas prior to moving on to new areas. This may require temporary jumpers or flushing branches in order to accomplish this goal. Contractor shall provide a detailed plan describing the phasing of disinfection, flushing, tie-ins and service connection cross-over from the existing system to the new system.

B. Contractor is directed to complete pipeline installation work along Folsom Road (including installation, testing, disinfection, tie-ins and final pavement restoration) as the first priority. Work in other areas of the project may be started prior to the final pavement restoration, however the Contractor must show in their sequencing plan when the work on Folsom Road will be completed.

C. Contractor shall provide a detailed abandonment that provides proposed valve shutdowns and sequencing. Plan shall be reviewed with Agency Operations and maintenance staff for approval.

SP 13. METER RELOCATIONS AND INTRACT PIPE

A. The Contractor is made aware that there are several properties whose existing meter locations will be relocated. These properties are identified on the Water Service Connection Tables shown on Drawings G5 and G6. The proposed meter relocation and intract (from the meter to the point of connection at the property) alignment are approximately shown on the Drawings. The Contractor will be responsible for examining each location to help assess the final meter location and intract alignment. The Contractor's assessment is intended to help simplify the installation effort and minimize impacts to the property. The Contractor is responsible for final coordination with the property owner and the City. The Contractor's site assessments shall be coordinated with the **Engineer** who will have final determination of the meter placement and intract alignment.

B. The Contractor must provide the **Engineer** as-built meter and intract line locations sheets for each property; this includes a sketch of the intract as-built location for each property.

C. The meter and intract pipe shall be located on individual properties and not cross adjacent property lines. The intract alignments from the new meter location must tie-in to the original point of connection at the residence. The Contractor is made aware that the intract pipe must be installed using trenchless methods unless otherwise approved by the **Engineer**, and the **City** anticipates some intract pipe may require compound boring operations.

D. Water services must maintain 10-foot minimum horizontal spacing from sewer services and 5-foot minimum horizontal spacing from storm drain laterals. If this is not possible due to existing restrictions on the property, the Contractor must make the City aware.

SP 14. STORAGE OF SUPPLIES, MATERIALS, EQUIPMENT, ETC.

A. Contractor's Work and Storage Area

1. No materials, equipment, or supplies shall be stored during non-working hours on residential streets. Materials shall not be piled in any location which shall interfere with the residents' normal activities and shall not constitute a hazard to persons or property.
2. Use of landowner's facilities (i.e. property, water, driveways, etc.) is prohibited without written authorization. The Contractor shall provide the City with a copy of any agreements or contracts between landowners and the Contractor. All agreements shall hold the City and their affiliates harmless. Upon completion of the agreement or contract the Contractor shall provide a signed release from the landowner. Retention shall not be released to the Contractor prior to resolution of all agreements.

    i. Contractor shall locate staging in a non-residential area to the fullest extent possible. If the Contractor proposes a staging area within a residential area the Contractor shall notify all adjacent property owners in advance. In the event that excessive complaints are received or the Contractor violates the City noise ordinances, the Contractor shall be required to relocate the staging area at their own expense.

    ii. All use of the land for Project staging shall be in compliance with local, State, and Federal regulations. Contractor is responsible for all stormwater pollution control measures required for staging areas. The Contractor's staging area is considered part of the project disturbed area and must be include in the SWPPP.

SP 15. OTHER/INCIDENTAL WORK

A. Per Volume 2, Design-Assist Construction Agreement, Article 9.3.1 Incidental work includes reasonably implied parts of the not shown on Drawings nor described

in Specifications, but which is necessary or normally or customarily required as a part of the Work shown on the Drawings or described in the Specifications to provide a complete installation which is fully connected and tied into the existing facilities and processes and is fully functional and operational. Incidental work shall be treated as if fully described in Specifications and shown on Drawings, and expense thereof shall be included in the GMP. Incidental work shall be performed by Contractor and included in the Cost of the Work without an increase in the GMP.

SP 16. UNUSUAL SITE CONDITIONS

A. The Contractor shall promptly, and before the site is disturbed, notify the **City** in writing if the Contractor suspects or detects that the site contains:

1. Material the Contractor believes may be hazardous waste as defined in Section 25117 of the Health & Safety Code that is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law.
2. Material the Contractor believes may be hazardous material such as, but not limited to, asbestos, PCB's, hydrocarbon contaminated soils, lead based paint, solvents, chemicals, etc.
3. Subsurface or latent physical conditions at the site differing materially from those indicated in the contract documents.
4. Unknown physical conditions at the site of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the contract.
5. The **City** shall promptly investigate the conditions, and if the **City** finds that the conditions do materially differ or do involve hazardous material or hazardous waste, the **City** shall issue a change order, increasing or decreasing contract time or cost or both, as appropriate, as provided in DCS: Section 21-2 F. If the **Contractor** is unable to perform or subcontract the work due to regulatory or insurance limitations, or hazards or conditions exist that the **Contractor** is unable to mitigate or does not have the training or expertise to safely execute, the **City** shall perform the Work under separate contract.
6. In the event of a dispute, the **Contractor** shall not be excused from any completion date provided for in the contract, but shall proceed with all work to be performed under the contract. The **Contractor** shall retain any and all rights provided either by contract or by law which pertains to the resolution of disputes and protests between the contracting parties.

SP 17. DISPOSAL OF EQUIPMENT AND MATERIALS

A. All materials removed in this work shall become the property of the **Contractor** and removed and disposed of from the site at the **Contractor's** expense in a lawful

and accountable manner pursuant to the federal, state and/or local regulations, ordinances, or laws.

SP 18. SITE CLEANLINESS

A. Contractor shall keep streets free of dirt, dust, and all other contaminates on a daily basis that may become air born due to vehicles or wind. If the City Representative feels the Contractor's means and methods are not satisfactory, the City Representative may direct the Contractor, at no additional cost to the City, to implement more effective means and methods (e.g. us of a City approved street sweeper) to keep the streets clean on a daily basis until the site conditions are brought to the City Representatives satisfaction. Reference Volume 2, Design-Assist Construction Agreement, Article 2.10.3.

PART 2
CITY OF ROSEVILLE STANDARD TECHNICAL SPECIFICATIONS

The work shall be performed in accordance with the latest edition of the City of Roseville Design and Construction Standards (DCS), except as modified by the Project Specific Technical Specifications.

The Contractor is responsible for downloading a copy of the latest standards from the City's website for review. Field crews must have access the City's DCS at all times (electronically or hard copy). The following link is provided for reference:

https://www.roseville.ca.us/cms/one.aspx?portalId=7964922&pageId=8754129

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PART 3
TECHNICAL SPECIFICATIONS

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SECTION 01 16 00
FIELD ENGINEERING

PART 1. GENERAL

DATUM

A. Vertical and horizontal datum are based on the coordinates and benchmarks shown on the Drawings or as provided by the City prior to the start of construction. The Contractor is to locate and protect City furnished control points prior to starting the Work and preserve control points during construction. The Contractor shall re-establish all control points disturbed by its operations at no cost to City.

B. The Contractor shall establish other vertical and horizontal control from the City furnished reference points as required to properly layout and construct the Work. All connections shall be installed based on actual elevations of existing structures to which connections are made.

C. The Contractor's layout shall be based upon existing structures and the vertical and horizontal datum established by the City.

D. The Contractor shall be responsible for the preservation of all existing survey monuments or permanent benchmarks. Any monuments or benchmarks disturbed or destroyed by Contractor shall be referenced and replaced by a California licensed land surveyor. A corner record or record of survey, as appropriate, shall be filed by the licensed land surveyor as required by the Land Surveyor's Act with the appropriate local government agencies.

QUALITY ASSURANCE

A. The Contractor's Surveyor shall be a land surveyor registered in California or civil engineer qualified and licensed in California with at least five (5) years surveying experience of similar projects.

B. Dimensions for all existing structures, piping, paving, and other nonstructural items are taking from the available information during the City's planning and design. The Contractor shall field verify all dimensions and conditions in advance of any construction in the area. Any discrepancy between the field survey by the Contractor and the information indicated in the Contract Documents shall be immediately brought to the City Representative's attention by written notification. In all questions arising as to proper location of lines and grades, the Engineer's decision will be final.

C. Accuracy of the Contractor's stakes, alignments and grades may be periodically and randomly checked by the City. If requested by City Representative, the Contractor shall supply field labor as required, at no extra charge to the City, to aid and assist the City Representative in checking locations and grades of the work as set by the Contractor. This shall include postponing parts of the Work affected by the survey check, moving materials and equipment that interfere with a clear line of sight between horizontal control points and the construction work. The Contractor is not

to assume that the City's check substitutes or complements the Contractor's required field quality control procedures.

D. The Contractor's registered land surveyor is to check the line and grade of the pipeline being installed and any appurtenances shown on the plans.

PROJECT SURVEY REQUIREMENTS

A. The Contractor will be required to hire a California licensed surveyor to conduct all construction staking deemed necessary to establish the pipeline alignment; trench width and pavement limits; water service lateral locations; tie-in connections to existing system; and all other necessary survey to complete the Contract Work. The Engineer will provide the Contractor with drawings showing benchmarks and reference points as it deems necessary to establish lines and grades required for the completion of the site work specified in the Contract Documents. At a minimum,

1. The Contractor's construction staking of each pipe alignment shall be at 50-foot intervals unless approved otherwise by the City Representative.
2. The Contractor shall place white paint defining the trench width (not just the alignment centerline) the entire length of all water main alignments prior to USA requests and potholing and saw cutting the AC pavement.
3. The Contractor shall mark proposed fire hydrant locations with a blue lath a minimum of 4 to 6 weeks prior to installation. A blue bott dot shall be placed on the pavement at each fire hydrant at the end of the project. The location of the blue bott dot shall be coordinated with the City Representative.
4. The Contractor shall stake and or paint-out the location of all Air Relief Valves and Blow-off a minimum of 4 to 6 weeks prior to installation. Final locations of both appurtenances shall be coordinated with the City Representative.

B. The Contractor shall be solely responsible for protecting and preserving the construction staking and survey throughout the Contract duration; maintaining alignment, elevation, and grade, as indicated on the Drawings and as required for the proper operation and function.

C. Location and elevation of benchmarks are shown on Drawings.

D. Dimensions for lines and elevations for grades of structures, appurtenances, and utilities are indicated on Drawings, together with other pertinent information required for laying out Work. If conditions vary from those indicated, notify OWNER immediately, who will make or approve minor adjustments, as required.

E. OWNER may perform checks to verify accuracy of CONTRACTOR's layout Work and that completed Work complies with Contract Documents.

F. Any existing survey points or other control markers destroyed without proper authorization will be replaced by owner of the survey points or control markers at CONTRACTOR's expense.

G. CONTRACTOR's Responsibilities:

1. Provide all survey and layout required.

2. Locate and protect reference points prior to starting site preparation.
3. Notify OWNER at least 3 working days in advance when grade and line surveying will be performed by CONTRACTOR

SUBMITTALS

A. Contractor to furnish the City Representative one hard copy and one electronic copy (pdf and ACAD 2018) of all land surveyor notes, coordinates, calculations, sketches and drawings within 48-hours after completion of each survey task.

CONSTRUCTION PHOTOGRAPHS

A. Refer to Section 01 38 00 – Photographs

RECORD DOCUMENTS

A. The Contractor is to prepare, maintain and submit Record Documents as specified in SECTION 01 77 00 - CLOSEOUT PROCEDURES. The Contractor's land surveyor is to affix his signature and registration number to applicable record drawings certifying the accuracy of lines and grades, and other system features as noted above.

PART 2. MATERIALS – NOT USED

PART 3. EXECUTION – NOT USED

*****END OF SECTION*****

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SECTION 01 31 20
PROJECT MEETINGS

PART 1. GENERAL

1.01 DESCRIPTION

A. Project meetings and conferences are an important administration and communication requirement of all project participants. Meetings will address issues related to the Work, review and coordinate progress of the Work, and other matters of common interest to project participants. This section describes the requirements for calling for and conducting meetings associated with the Work. Meeting and conference locations and qualified participants will be determined by the City Representative and the Contractor based on the meeting agenda topics.

B. Minutes will be taken by the City Representative for the Pre-Construction Conference(s) and all Progress and Coordination Meetings hereinafter described. Copies of meeting minutes will be distributed to all attendees within five (5) days after meeting. Attendees will have three (3) days to submit comments or additions to minutes received from City Representative. Minutes will constitute final documentation of meeting discussion topics, results and action items. Meetings may be recorded by the City Representative for accuracy of meeting minutes.

1.02 PRECONSTRUCTION CONFERENCE

A. Upon issuance of Notice to Proceed, or earlier when mutually agreeable, the City Representative will schedule a preconstruction conference and organizational meeting at a suitable conference room at the City's offices or other suitable location. More than one preconstruction conference may be required if the City and Contractor deem it is in the best interest of the project to do so. The City Representative will preside at all conference(s).

B. Attending the Preconstruction Conference: Contractor's Project Manager, Contractor's Superintendent(s), City Staff, Engineer, City's subconsultants, and representatives of utilities, major subcontractors and others involved in performance of the Work, and others necessary to agenda.

C. Unless previously submitted to Engineer, Contractor shall bring to the conference a preliminary schedule for each of the following:

1. Project Schedule.
2. Procurement Schedule.
3. Schedule of Values for progress payment purposes.
4. Schedule of Shop Drawings and other submittals.

D. A purpose of the conference is to designate responsible personnel and establish a working relationship. Matters requiring coordination will be discussed and procedures for handling such matters established.

E. The City Representative, in concert the Engineer and Contractor, will prepare an agenda for discussion of significant items relative to contract requirements, procedures, coordination and construction. The agenda will include, but not be limited to:

1. City and Contractor's organization chart and contact list
2. Contract administrative procedures
    i. Processing Applications for Payment.
    ii. Field Orders
    iii. Change Orders
3. Contractor's Project schedules.
4. Transmittal, review, and distribution of Contractor's submittals.
5. Maintaining record documents.
6. Critical Work sequencing.
7. Traffic Control
8. Notifications to the Public
9. Field Decisions and Change Orders.
10. Use of premises, office and storage areas, security, housekeeping, and
11. Major equipment deliveries and priorities.
12. Inspection and testing requirements
13. Contractor's assignments for safety and first aid.

1.03 PROGRESS MEETINGS/DESIGN-ASSIST MEETINGS

A. The Contractor shall attend weekly progress meetings with the City Representative. At this meeting, the City Representative and Contractor are to review the work completed, and work planned for the following period. Contractor must provide a three-week look-ahead schedule for each progress meeting.

B. The progress meetings will be scheduled to be concurrent with any design-assist meetings to discuss project final design (including review of plans and pothole data).

1.04 SPECIAL MEETINGS

A. Any time during progress of the Work, the City and the City Representative shall have the authority to require the Contractor and any subcontractor, suppliers, or service providers to attend job-site conferences on matters which require immediate or special attention. Any notice of such conference shall be duly observed and complied with by the Contractor and subcontractors, suppliers, or service providers without extra cost to City.

1.05 POST CONSTRUCTION GUARANTY PERIOD MEETING

A. The Contractor shall meet with the City, City Representative and Engineer approximately eleven (11) months after date of Substantial Completion to inspect the Work. Meeting will be arranged by the City at least seven (7) days before meeting. The Contractor will require attendance of its Project Manager/Superintendent, appropriate manufactures and appropriate subcontractors.

PART 2. MATERIALS – NOT USED

PART 3. EXECUTION – NOT USED

*****END OF SECTION*****

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SECTION 01 32 50
PROJECT SCHEDULES AND REPORTS

PART 1 GENERAL

1.01 DESCRIPTION

A. The requirements for project schedules and reports are included to assure adequate planning and execution of the work and to assist the City Representative in appraising the reasonableness of the proposed schedule and evaluating the progress of the work.

PART 2 CONSTRUCTION SCHEDULE

2.01 BASELINE SCHEDULE

A. The schedule shall be submitted within ten (10) days of Notice to Proceed and favorably reviewed by the City Representative before the first partial payment can be made.

B. The Contractor shall submit the schedule based the Critical Path Method (CPM). The schedule shall indicate preceding activity relationships and/or restraints where applicable and a controlling path shall be indicated. The schedule shall be time scaled and shall be drafted to show a continuous flow from left to right. The construction schedule shall clearly show the sequence of construction operations and specifically list:

1. The start and completion dates of all work items.
2. The dates of submittals, procurement, delivery, installation and completion of each major equipment and material requirement.
3. Progress milestone events or other significant stages of completion, as defined in Special Provisions.
4. The lead time required for testing, inspection and other procedures required prior to acceptance of the work.

C. Activities shall be no longer than ten (10) workdays, except for submittals and delivery items. If an activity takes longer, it shall be broken into appropriate segments of work for measurement of progress. This limitation may be waived, upon approval of the City Representative, for repetitious activities of longer durations for which progress can be easily monitored.

2.02 FLOAT

A. “Total Float” or “Float” shall be defined as the difference between the early finish and late finish dates for an activity. On the schedule delineate the specified Contract duration and identify the planned completion of the Work as the final milestone. The time period between these two dates, if any, shall be considered contract float. Float in any activity, milestone completion date or Contract completion date shall be considered a resource available to both the City and the Contractor. Neither the City nor the Contractor has ownership of the float. Float is for the benefit of the

Project. Acceptance of the Contractor's Baseline Schedule, monthly updates or revised schedule, when based on less time than the maximum time allowed for milestone(s) or Contract completion does not serve to change any Contract duration, nor serve as a waiver of the Contractor's nor the City's right to utilize the full amount of time specified in the Contract, unless so modified in a Contract Change Order.

2.03 3-WEEK LOOKAHEAD SCHEDULE

A. The following shall be submitted at the weekly progress meeting:

2.04 3-WEEK LOOK-AHEAD SCHEDULE:

A. A three week look-ahead schedule sorted by activity number which lists each activity description, start and progress dates, for the three-weeks following the progress meeting. The schedule must be of sufficient detail to allow the City to schedule inspection and testing as needed.

2.05 WEATHER CONDITIONS

A. Seasonal weather conditions shall be considered in the planning and scheduling of work activity durations influenced by high or low ambient temperatures or precipitation to ensure the completion of the Work within the Contract Time. No time extensions will be granted for the Contractor's failure to take into account such weather conditions for the location of the Work and for the period of time in which the Work is to be accomplished. Per Volume 2, Design-Assist Construction Agreement, Exhibit H – Completion Times and Liquidated Damages – In accordance with the provisions of Volume 2, Design-Assist Construction Agreement Article 7-TIME AND PROGRESS OF WORK, an allowance of twenty (20) working days of weather or other caused Excusable Delays are included in the time allowed for completion. This allowance represents a reasonable assessment of anticipated lost working days based on historical weather patterns. The expected loss of working days, shall be included in a separate identifiable critical activity labeled "Weather Days Allowance" to be included as the last critical activity of the project schedule. When weather days are experienced, and are approved as such by the City Representative, the Contractor shall either:

1. Increase the duration of the current critical activity(ies) by the number of weather days experienced, or
2. Add a critical activity to the schedule to reflect the occurrence of the weather day(s).

B. The duration of the weather day allowance activity shall be reduced as weather days are experienced and included in the schedule. Any remaining weather days in the weather day allowance activity at the completion of the project shall be considered as float and shall not be for the exclusive use or benefit of either the City or Contractor.

2.06 UPDATES

A. All Monthly UPDATES - All monthly updates shall include as a minimum:

B. Schedule Updates and Reports – The CONTRACTOR must update the Construction Schedule prior to the progress and schedule review at the monthly progress meetings. Provide the reports defined in Section 01 32 50-2.01, Reports.

C. Narrative and Tabular Report – The report must show the activities or portions of activities completed during the reporting period. The report shall state the percentage of the work actually completed and scheduled, the remaining duration, and the progress along the critical path in terms of days ahead or behind the allowable dates as of the report date. Any changes made by the Contractor to the CPM schedule, including activity numbers, durations, constraints and activity descriptions, shall be listed in a detailed report which describes the reason for each.

D. Activity Numbers and Descriptions – New activity numbers and descriptions may be added where required to further define the work and as approved by the Construction Manager. Activities may be deleted if the applicable work has not been performed and is deleted from the Work and as approved by the Construction Manager.

2.07 DELAYED SCHEDULE UPDATES -

A. If, in the opinion of the City Representative, the project is behind schedule, the Contractor shall submit a narrative report with each updated analysis which shall include but not be limited to, a description of current and anticipated problem areas, delaying factors and their impact, and an explanation of corrective actions taken or proposed.

2.08 SCHEDULE REVIEW

A. Once each month, on a date mutually agreed upon, but no later than ten (10) days after the submittal of the monthly update specified herein, a jobsite meeting will be held to review the CPM Schedule, job progress and the monthly update, or the City Representative will provide written comments on the monthly update.

B. The cost of revision to the Construction Schedule not resulting from a contract change order shall be borne by the Contractor.

C. Corrections resulting from the Engineer's review and comments shall be carried out as specified for Construction Schedule update.

D. Revisions shall be made on the most recent accepted version of the Construction Schedule.

2.09 SCHEDULE REVISION IDENTIFICATION

A. Completely identify each Construction Schedule submittal and resubmittal by showing at least the following information:

1. Name and address of submitter, plus name and telephone number of the individual who may be contacted for further information.

2. Name of project as it appears in this Specification and specification number.
3. Whether this is an original or updated submittal or resubmittal.
4. Number all submittals sequentially in accordance with Section 01 33 00, Submittal Procedures.

2.10 WEEKLY ACTIVITIES PLAN

A. On the last working day of every week the Contractor shall submit to the City Representative the Contractor's Plan of Activities for the next three weeks. The Plan of Activities shall describe the activity and location of the activity and include the activity number as provided in the CPM Schedule. This shall be in addition to the three-week look-ahead schedules provided with the progress meetings.

2.11 CONTRACTOR'S DAILY REPORTS

A. The Contractor shall maintain daily job reports recording all significant activity on the project, including number of workers on site, active construction equipment used, notable deliveries, work activities, delays, interruptions or any problems encountered. If there is no work performed on any given day, the Contractor shall note the reasons for no work and submit a daily report to the City Representative on those days also. Failure to stay current with daily reporting will be just cause for the City to not process a progress payment until reports are submitted.

***** END OF SECTION *****

SECTION 01 33 00
SUBMITTAL PROCEDURES

PART 1 GENERAL

1.01 SUMMARY

A. Where required by the Contract Documents, the Contractor shall submit descriptive information that will enable determination of whether the Contractor's proposed materials, equipment, or methods of work are in general conformance to the design concept and in compliance with the Contract Documents. The information to be submitted shall consist of drawings, specifications, descriptive data, certificates, samples, test results and such other information, all as specifically required in the specifications. In some instances, specified submittal information describes some, but not all, features of the material equipment, or method of work. Features not requiring submittals shall be as specified.

B. Submittal review shall be only for general conformance with the design concept and general compliance with the information given in the contract documents. It shall not include review of quantities, dimensions, weights or gages, fabrication processes, construction safety precautions, all of which are the sole responsibility of the Contractor. Review of a specific item shall not indicate acceptance of an assembly of which the item is a component. The City Representative and/or Engineer shall not be required to review and shall not be responsible for any deviations from the contract documents not clearly noted by the Contractor, nor shall the City Representative and/or Engineer be required to review partial submissions or those for which submissions for correlated items have not been received.

C. The Contractor may authorize material or equipment suppliers to deal directly with the City Representative with regard to such submittals; however, ultimate responsibility for the accuracy and completeness of the information contained in the submittal shall remain with the Contractor.

1.02 CONTRACTOR RESPONSIBILITES

A. The Contractor shall be responsible for the accuracy and completeness of the information contained in each submittal and shall assure that the materials and equipment incorporated into the Work, or the methods of performing the Work shall be as described in the accepted submittals.

B. The Contractor shall verify that all features of all products conform to the specified requirements. Submittal documents shall be clearly edited to indicate only those items, models, or series of equipment that are being submitted for review. All extraneous materials shall be crossed out or otherwise obliterated.

C. The Contractor shall ensure that there is no conflict with other submittals and notify the City Representative in each case where his submittal may affect the work of another contractor or the City. The Contractor shall coordinate submittals among its subcontractors and suppliers including those submittals complying with unit responsibility requirements specified in applicable technical sections.

D. The Contractor shall coordinate submittals with the work so that work will not be delayed. He shall coordinate and schedule different categories of submittals, so that one will not be delayed for lack of coordination with another. No extension of time will be allowed because of failure to properly schedule submittals. The Contractor shall not proceed with work related to a submittal until the submittal process is complete. This requires that submittals for review and comment shall be returned to the Contractor stamped "No Exceptions Taken" or "Make Corrections Noted." The Contractor assumes the risk of expense and delays when proceeding with work that hasn't met this requirement.

E. The Contractor shall certify on each submittal document that it has reviewed the submittal, verified field conditions, and complied with the contract documents.

F. The Contractor shall include a copy of the applicable specification section, with addendums and all referenced sections included with each paragraph check-marked to indicate specification compliance or marked to indicate requested deviations from the specification requirements. Check Marks (√) shall denote full compliance with a paragraph as a whole. If deviations from the specifications are indicated, and therefore requested by the Contractor, each deviation shall be underlined and denoted by a number in the margin to the right of the identified paragraph. The remaining portions of the paragraph not underlined will signify compliance on the part of the Contractor with the specifications. The submittal shall be accompanied by a detailed, written justification for each deviation. Failure to include a copy of the marked-up specification sections, along with justification(s) for any requested deviations to the specification requirements, with the submittal shall be sufficient cause for rejection of the entire submittal.

1.03 SUBMITTAL AND MATERIAL LIST

A. Within fifteen (15) days after the Notice to Proceed, and prior to the submission of the initial shop drawings, the Contractor shall submit a draft Master Submittal List of all required submittals to the City Representative for favorable review. The Master Submittal List shall include a description of each item, Specification reference and the anticipated submittal date. The List shall include all items of equipment and materials for civil work, structural, valves, piping, fittings, connections, restraints, concrete, road restoration, and landscape and hardscape restoration; and the names of manufacturers with whom purchase orders have been placed. Items on the List shall be arranged in the same order as in these Specifications and shall contain sufficient data to identify precisely the items of material and equipment the Contractor proposes to furnish. The List shall reference the applicable Specification section or Drawing. After the submission is favorably reviewed and returned to the Contractor by the City Representative, it shall become the basis for the submission of detailed manufacturer's drawings, catalog cuts, curves, diagrams, schematics, data, and information on each separate item for review. No work shall proceed on any item until it has been submitted and favorably reviewed. An incomplete submittal list is not a basis for avoiding a submittal required by the specifications.

B. Submittals and shop drawings are to be submitted in searchable (e.g. OCR) electronic format.

1.04 DEFINITIONS

A. Manufacturer's Instructions: Instructions, stipulations, directions, and recommendations issued in printed form by the manufacturer of a product addressing handling, installation, erection, and application of the product; Manufacturer's Instructions are not prepared especially for the Work.

B. Shop Drawings: Drawings, diagrams, schedules, and other data specially prepared for the Work to illustrate some portion of the Work. Shop drawings include, but not necessarily be limited to:

1. Custom-prepared data such as fabrication or erection/installation (working) drawings.
2. Scheduled information, setting diagrams, actual shop work manufacturing instructions, custom templates, special wiring diagrams, coordination drawings, individual system or equipment inspection and test reports including performance curves and certifications, as applicable to the Work.

C. Product Data: Illustrations, standard schedules, performance charts, brochures, diagrams and other information to illustrate materials or equipment for some portion of the Work.

1. Product data as specified in individual Sections, and as applicable to the Work shall include, but not necessarily be limited to:
2. Standard prepared data for manufactured products (sometimes referred to as catalog data or "cuts").
3. Manufacturer's product specifications.
4. Installation instructions.
5. Availability of colors and patterns.
6. Manufacturer's printed statements of compliance and applicability.
7. Roughing-in diagrams and templates.
8. Product photographs.
9. Standard wiring diagrams.
10. Performance curves and operational-range diagrams.
11. Production or quality control inspection and test reports and certifications, and mill reports.
12. Operating and maintenance instructions and recommended spare parts listing and printed product warranties.

D. Samples: Physical examples which illustrate materials, equipment, or workmanship and establish standards by which the Work will be judged. Samples specified in individual Sections, include, but are not necessarily limited to, physical examples of the work such as sections of manufactured or fabricated work, small cuts or

containers of materials, complete units of repetitively-used products, color/texture/pattern swatches and range sets, specimens of coordination of visual effect, graphic symbols and units of work to be used by the Engineer or others for independent inspection and testing, as applicable to the Work.

PART 2 PROCEDURES

2.01 GENERAL

A. Requirements in this Section are in addition to any specific requirements for submittals specified in other divisions and Sections of these Contract Documents.

2.02 SUBMITTAL CONTENTS AND NUMBERING

A. Each submittal shall have the specification Section and applicable paragraph number clearly identified on the front of the submittal transmittal form for each item submitted. The number shown on the transmittal form for each item shall be labeled in the content of the submittal. For example, if Item 1 is a ball valve and Item 2 is a gate valve then the cut sheets for each respective valve shall be labeled Item 1 and Item 2.

B. Each submittal shall be sequentially numbered starting with the first one delivered for each spec section. For example, the first submittal for Section 02 30 00 should be 023000-1-0.

C. Resubmittals shall include the number of the original submittal plus the suffix "- 1" for the first resubmittal, "-2" for the second resubmittal. For example, a second resubmittal would be shown as 023000-1-1. Each resubmittal shall be the whole version of the corrected submittal and shall not reference past versions. Each resubmittal shall include all items including items previously marked as NET.

D. Submittals not conforming to these requirements will be rejected.

E. If several items (i.e. different types of valves) are combined into the same submittal, none of the items will be approved for installation until the entire submittal is accepted.

F. Submitted data shall be fully sufficient in detail for determination of compliance with the provisions and intent of the Contract Documents.

2.03 COORDINATION RESPONSIBILITIES:

A. Shop drawing submittal and coordination are the responsibility of the CONTRACTOR; this responsibility shall not be delegated in whole or in part to Subcontractors or suppliers.

B. Designation of work "by others," if shown on shop drawings, shall mean that the work will be the responsibility of the CONTRACTOR rather than the Subcontractor or supplier who has prepared the shop drawings.

C. No equipment or material for which listings, drawings, or descriptive material is required shall be fabricated, purchased, or installed until the ENGINEER has reviewed

and accepted such lists, final shop drawings, or other descriptive material. Installation of such equipment or material without accepted submittals will be considered defective work.

2.04 **SUBMITTAL REVIEW TIME:**

A. Submittals will be acted upon by the ENGINEER as promptly as possible and returned to the CONTRACTOR not later than the time allowed for review as stated in 2.09 below.

B. The CONTRACTOR shall provide in their Construction Schedule the time for OWNER review of each submittal (and resubmittal for major systems) in accordance with the allowable time specified herein and in Section 01 32 50, Project Schedule and Reports.

C. This required time for OWNER review shall not be a cause for delay in contract completion nor shall it be a reason for an extension of contract time.

D. If the CONTRACTOR is required by the OWNER to resubmit data, then neither the time required for the CONTRACTOR to prepare and resubmit such data, nor the required time for OWNER review, shall be a cause for delay in contract completion or for an extension of contract time.

E. Responsibility for time required for preparing and submitting required data shall be assigned solely to the CONTRACTOR.

2.05 **INTENT OF REVIEW:**

A. Shop drawings will be reviewed for general conformance with the drawings and specifications.

B. The intent of the review is to determine if the CONTRACTOR is submitting materials and equipment which are in general conformance with the Contract Documents.

13. Detailed review of dimensions, sizes, space requirements, coordination with other equipment, and other construction details is not performed.

C. Additional work and costs, resulting from errors in the shop drawings shall be the CONTRACTOR's responsibility and liability.

D. Accuracy, coordination, and completeness of shop drawings shall be the sole responsibility of the CONTRACTOR, including responsibility to backcheck comments, corrections, and modifications from the ENGINEER's review before fabrication.

E. The CONTRACTOR shall indicate on the submittal transmittal form if and how the submittal deviates from the contract requirements. In addition, CONTRACTOR shall include a copy of the relevant specification section in its entirety marked with ACCEPT/DEVIATE next to each paragraph. Failure to include this documentation is grounds for ENGINEER to reject and return the Submittal to the CONTRACTOR for resubmission.

F. The Contractor is encouraged to mark the submittal "high", "normal" or "low" priority to assist the reviewer in prioritizing the submittal reviews during periods of high volume of submissions.

G. Submit specified number of copies of submittal. Should the Contractor require more returned copies of any particular submittal, the Contractor shall furnish an equal greater number of copies to the City Representative than is specified.

H. Provide or furnish products and execute the Work in accordance with accepted submittals, unless in conflict with Contract Documents.

I. Deviations from The Contract – If the submittals show any deviations from the Contract requirements, the Contractor shall submit with the submittal submission a separate written description of such deviations and the reasons, therefore. If any deviations from the Contract requirements are not noted on the submittal, the review of the shop drawing shall not constitute acceptance of such deviations.

2.06 SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES

A. Submittals and shop drawings are to be submitted in electronic format. All PDFs shall be legible and be searchable (e.g. OCR). The Owner may require hard copies at their discretion. Some hard copies may require multiple copies, color, and of varying sizes (e.g. 22x23, 11x17, 8.5x11). All copies shall be included in the GMP.

B. Submit Shop Drawings, Product Data, Samples, and other pertinent information in sufficient detail to show compliance with specified requirements.

C. Check, verify, and revise submittals as necessary to bring them into conformance with Contract Documents and actual field conditions.

1. Determine and verify quantities, dimensions, specified design and performance criteria, materials, catalog numbers, and similar data.
2. Coordinate submittal with other submittals and with the requirements of the Contract Documents.

D. Field Verification: Prior to submitting shop drawings, Contractor shall have determined and verified all field measurements, elevations, potential conflicts, quantities and dimensions. This verification may require potholing.

E. After completion of checking, verification, and revising; sign and date submittals indicating review and approval; and submit to City Representative.

1. Signature indicate Contractor has satisfied shop drawing review responsibilities and constitutes Contractor's written approval of shop drawing.
2. Shop drawings without Contractor's written approval will be returned for resubmission.

F. Shop Drawings: Initial submit may be electronic provided it is legible and clearly contains all necessary features, dimensions, material reference, and overall content necessary for the City to review and utilize in the field. City may request hard copies at any time.

G. Product Data and Manufacturer's Instructions: Initial submit may be electronic provided it is legible and clearly contains all necessary information for the City to review and utilize in the field. Excise or cross out non-applicable information and clearly mark applicable information with citations to and terminology consistent with Contract Documents.

H. Samples: Submit two (2) samples labeled with reference to applicable Contract Documents. Label will be returned with reviewer's selection when appropriate, comments and stamp. Samples will not be returned unless return is requested in writing and additional sample is submitted.

I. Special Samples: Submit one (1) sample labeled with reference to applicable Contract Documents. Sample and one (1) label will be returned for installation in the Work.

2.07 MANUFACTURER'S INSTRUCTIONS

A. Submit manufacturer's instructions whenever made available by manufacturers and when installation, erection, or application in accordance with manufacturer's instructions is required by the Specifications. Submit manufacturer's instructions prior to installation, erection, or application of equipment and other project components. Submit manufacturer's instructions in accordance with requirements for Product Data.

2.08 ENGINEER'S REVIEW

A. The Engineer's review of submittals shall not release Contractor from Contractor's responsibility for performance of requirements of Contract Documents. Neither shall Engineer's review release Contractor from fulfilling purpose of installation nor from Contractor's liability to replace defective work. The Contractor shall not consider submittals as Contract Documents. The purpose of submittals is to demonstrate how Contractor intends to conform to the Contract Documents and design concepts. Engineer will be entitled to rely upon the accuracy or completeness of designs, calculations, or certifications made by licensed professionals accompanying a particular submittal whether or not a stamp or seal is required by Contract Documents or Laws and Regulations.

B. The Engineer's review of shop drawings, samples, or test procedures will be only for conformance with design concepts and for compliance with information given in Contract Documents. The Engineer's review does not extend to:

1. Accuracy of dimensions, quantities, or performance of equipment and systems designed by Contractor.
2. Contractor's means, methods, techniques, sequences, or procedures except when specified, indicated on the Drawings, or required by Contract Documents.
3. Safety precautions or programs related to safety which shall remain the sole responsibility of the Contractor.

C. Except as may be provided in subsequent specifications, a submittal will be returned within fifteen (15) working days. When a submittal cannot be returned within that period, City Representative will, within a reasonable time after receipt of the

submittal, give notice of the date by which that submittal will be returned. The returned submittal shall indicate on the following actions:

1. If the review indicates that the material, equipment or work method complies with the project manual, submittal copies will be marked "NO EXCEPTIONS TAKEN." In this event, the Contractor may begin to implement the work method or incorporate the material or equipment covered by the submittal.
2. If the review indicates limited corrections are required, copies will be marked "MAKE CORRECTIONS NOTED." The Contractor may begin implementing the work method or incorporating the material and equipment covered by the submittal in accordance with the noted corrections. Where submittal information will be incorporated in O&M data, a corrected copy shall be provided.
3. If the review reveals that the submittal is insufficient or contains incorrect data, copies will be marked "AMEND AND RESUBMIT." Except at its own risk, the Contractor shall not undertake work covered by this submittal until it has been revised, resubmitted and returned marked either "NO EXCEPTIONS TAKEN" or "MAKE CORRECTIONS NOTED."
4. If the review indicates that the material, equipment, or work method does not comply with the project manual, copies of the submittal will be marked "REJECTED - SEE REMARKS." Submittals with deviations that have not been identified clearly may be rejected. Except at its own risk, the Contractor shall not undertake the work covered by such submittals until a new submittal is made and returned marked either "NO EXCEPTIONS TAKEN" or "MAKE CORRECTIONS NOTED."
5. If the submittal information does not require a review by the Engineer, copies of the submittal will be marked “Review not Required” and will be returned without review.

2.09 SUBMITTALS FOR INFORMATION OR RECORD ONLY

A. Submittals required for information or record only are to be submitted in electronic format. All PDFs shall be legible and be searchable (e.g. OCR). The Owner may require hard copies at their discretion. Some hard copies may require multiple copies, color, and of varying sizes (e.g. 22x23, 11x17, 8.5x11). All copies shall be included in the GMP.

2.10 SUBSTITUTES OR “OR EQUAL” ITEMS AND PRODUCT OPTIONS

A. Whenever materials or equipment are specified or described in the Contract Documents by using the name of a proprietary item or the name of a particular Supplier, the naming of the item is intended to establish the type, function, and quality required. Unless the name designated a “sole source” and/or is followed by words indicating that no substitution is permitted, materials, or equipment of other Suppliers may be accepted by Engineer if sufficient information is submitted by Contractor to allow Engineer to determine that the material or equipment proposed is equivalent or equal to that named.

B. The procedure for review by Engineer will include the following as may also be supplemented in the Contract Documents. Requirements for review of substitute items of material or equipment will not be accepted by Engineer from anyone other than Contractor. If Contractor wishes to furnish or use a substitute item of material or equipment, Contractor shall make written application to the City Representative for acceptance thereof, certifying that the proposed substitute will perform adequately the functions and achieve the results called for by the general design, be similar and of equal substance to that specified and be suited to the same use as that specified. The application will state that the evaluation and acceptance of the proposed substitute will not prejudice Contractor's achievement of Substantial Completion on time, whether or not acceptance of the substitute for use in the Work will require a change in any of the Contract Documents (or in the provisions of any other direct contract with Owner for Work on the Project) to adapt the design to the proposed substitute and whether or not incorporation or use of the substitute in connection with the Work is subject to payment of any license fee or royalty. All variations of the proposed substitute from that specified will be identified in the application and available maintenance, repair, and replacement service will be indicated. The application will also contain an itemized estimate of all costs that will result directly or indirectly from acceptance of such substitute, including costs of redesign and claims of other contractors affected by the resulting change, all of which shall be considered by Engineer in evaluating the proposed substitute. The Owner may require Contractor to furnish at Contractor's expense additional data about the proposed substitute.

C. If a specific means, method, technique, sequence or procedure of construction is indicated in or required by the Contract Documents, Contractor may furnish or utilize a substitute means, method, sequence, technique or procedure of construction acceptable to Engineer, if Contractor submits sufficient information to allow Engineer to determine that the substitute proposed is equivalent to that indicated or required by the Contract Documents. The procedure for review by Engineer will be similar to that provided in this specification section.

D. All requests for substitution shall be submitted within a reasonable time after the Contractor is aware of the need for a substitution. The Engineer will be allowed a reasonable time within which to evaluate each proposed substitute. The Engineer and Owner will be the sole judge of acceptability, and no substitute will be ordered, installed or utilized without Engineer's prior written acceptance that will be evidenced by either a Change Order or an accepted Shop Drawing. Owner may require Contractor to furnish at Contractor's expense a special performance guarantee or other surety with respect to any substitute. Contractor shall pay all costs for redesign required by the implementation of the proposed substitute.

*****END OF SECTION*****

SECTION 01 34 00
REQUESTS FOR INFORMATION AND CLARIFICATIONS

PART 1 GENERAL

A. Should the Contractor have any questions concerning interpretation or clarification of the Contract Documents, or if it appears to the contractor that work to be done or any matter relative thereto are not sufficiently detailed or explained in the Contract Documents, then, before proceeding with the work affected, the Contractor shall immediately notify the City Representative in writing and request interpretation, clarification, or additional detailed instructions concerning the work. The Contractor shall ask for any clarification or request for information immediately upon discovery, but no less than fifteen (15) days prior to the start date of the activities related to the clarification, based on the latest updated and accepted construction schedule. Contractor shall be responsible for its costs to implement and administer RFI's throughout the Contract duration. Regardless of the number of RFI's submitted, Contractor will not be entitled to additional compensation.

B. An RFI is not to be used for request for materials/equipment substitutions or value engineering/cost reduction incentive proposals.

C. Additional Terms regarding RFIs are incorporated in Contract Documents Volume 2 – Agreement; Articles 3.3.9 and 9.5.2.

PART 2 RFI PROCEDURES

2.01 CONTRACTOR REVIEW AND SUBMITTAL

A. Contractor's review

Before submitting each RFI, the Contractor shall carefully review the following for relevant information:

1. All field measurements, quantities, dimensions, specified performance criteria, installation requirements, materials, catalog numbers, and similar information with respect thereto.
2. All materials with respect to intended use, fabrication, shipping, handling, storage, assembly, and installation pertaining to the performance of the Work.
3. All information relative to means, methods, techniques, sequences, and procedures of construction and safety precautions and programs incident thereto.
4. The coordination of each Shop Drawing or Sample with other Shop Drawings and Samples and with the requirements of the Work and the Contract Documents.
5. The Contract Documents.
6. The Project correspondence and documentation.

B. Submittal Requests

1. The Contractor shall submit all requests for clarification and/or additional information in writing through the City Representative to the Engineer using a

request for information (RFI) form. Contractor shall provide a detailed written statement that indicates the specific Drawings or Specifications in need of clarification and the nature of the clarification requested.

2. Contractor shall submit the RFI and all supporting information electronically in PDF format to the Construction Manager. Additional hard copies may be requested by the Construction Manager. All hard copies shall be included in the GMP. Each RFI shall be dated and bear a signed certification that Contractor has performed the review defined above. No consideration for review by City Representative of any RFI will be made for any item which has not been certified by the Contractor. All non-certified RFI's will be returned to Contractor without action taken by Engineer, and any delays caused thereby shall be the total responsibility of Contractor.
3. Each RFI shall be limited to one subject.

2.02 RFI NUMBERING SYSTEM

A. The City Representative will assign blocks of numbers for the Contractor, Engineer, City's Representative, and for substitutions. The Contractor will use the block of numbers consecutively with the date of issue, except for re-issuance of a respective RFI in which the subscript A, B, C, etc., will be added until the RFI is resolved. If Contractor believes the RFI reviewer's response is incomplete, Contractor shall issue another RFI (with the same RFI number with the letter "A" indicating if it is a follow-up RFI) to City Representative clarifying original RFI. Additionally, City Representative may return RFI requesting additional information should original RFI be inadequate in describing condition.

2.03 CITY'S RFI REVIEW AND RESPONSE TIME

A. Except as may otherwise be provided herein, the City Representative will return one copy of each RFI form to Contractor, with its comments noted thereon or on a separate comment sheet, within a reasonable amount of time, but no more than fifteen (15) calendar days following their receipt from Contractor, or if it is necessary to extend this period, the City Representative shall notify the Contractor in writing as to when a decision will be provided.

B. Engineer's review will be only to provide clarification and interpretation of the Contract Documents. Engineer's review shall not relieve Contractor for the responsibility for compliance with the Contract Documents.

C. Engineer's review will not extend to means, methods, techniques, sequences, or procedures of construction (except where a particular means, method, technique, sequence, or procedure of construction is specifically and expressly called for by the Contract Documents) or to safety precautions or programs incident thereto.

D. The Engineer may furnish additional detailed written instructions to further explain the work, and such instructions shall be a part of the contract documents. Clarifications will be issued using the above RFI system and a Field Directive as necessary. Should additional detailed instructions in the opinion of the Contractor

constitute work in excess of the scope of the contract, the Contractor shall submit notification immediately and written notification thereof to the City Representative no more than seven (7) days following receipt of such instruction, and in any event prior to the commencement of work thereon. If the City Representative considers it justified, the instructions of the Engineer will be revised, or a proposed change order will be issued for the City's consideration. The Contractor shall have no claim for additional compensation or extension of the schedule because of any such additional instructions unless the Contractor provides the City Representative written notice thereof within the time frame specified above. In addition, the Contractor shall within fifteen (15) days from the date of notification provide detailed justification and analysis as well as complete pricing and schedule CPM fragmentary network to support any request for time extension.

E. Should the Contractor proceed with the work affected before receipt of a response from the City Representative, any portion of the work which is not done in accordance with the Owner's interpretation, clarifications, instructions, or decisions subject to removal or replacement and the Contractor shall be responsible for all losses.

F. RFI's will not be recognized or accepted, if in the opinion of the City Representative or Engineer, that one of the following conditions exists:

1. The Contractor submits an RFI as a submittal.
2. The Contractor submits the RFI under the pretense of a contract documents discrepancy or omission without thoroughly reviewing the documents. In this case, the Contractor shall be responsible for both the City Representative's and Engineer's administrative costs to process the RFI. Such costs will be deducted from Contractor's progress payments.
3. The Contractor submits the RFI in a manner that suggests that specific portions of the contract documents are assumed to be excluded or be taken as an isolated portion of the contract documents in part rather than whole.
4. The Contractor submits an RFI in an untimely manner without proper coordination and scheduling of work or related trades.

G. The Engineer's review shall not relieve Contractor from the entire responsibility for any variation from the requirements of the Contract Documents unless Contractor has in writing called attention to each such variation at the time of each RFI submittal and Engineer has given written approval of each such variation by specific written notation thereof incorporated in the RFI review; nor will any review by Engineer relieve Contractor from responsibility for compliance with the requirements for careful review above.

*****END OF SECTION*****

SECTION 01 38 00
PHOTOGRAPHS

PART 1 GENERAL

A. Photographs before, during and after construction are an important record of site conditions, construction progress, as-built features and significant planned/unplanned events. The Contractor is to employ a competent photographer to record this important factual information. Equipment used by photographer to include:

B. Digital Camera or equal and must have built-in GPS location capabilities. Prepare color photographs in digital file format. All electronic files are to be furnished in jpeg format and stored on thumb drive or approved equal.

1. At the City's discretion, the Contractor may be requested to provided colored printed hard copies of requested pictures. All negatives become the property of the City.

1.01 PRE-CONSTRUCTION PHOTOGRAPHS

A. The Contractor shall provide a minimum of one hundred (100) preconstruction photographs of the general project area plus photographs of each existing meter location including surrounding area prior to commencement of Work on the site. Number of photos, angles, and detail are at the discretion of the Contractor and must be sufficient to document preconstruction conditions. Preconstruction photographs shall be taken at locations agreed to and/or designated by the City Representative. These photographs shall be submitted prior to beginning construction.

1.02 DURING CONSTRUCTION PHOTOGRAPHS

A. The Contractor must provide construction color photographs showing the progress of the Work. Contractor is to take photos of all Work prior to being buried or covered, including piping, fittings, transitions, tie-ins and valves. Contractor is to take photos of any significant planned or unplanned events. These vantage points will be determined by the City Representative. On pipeline projects, the Contractor shall take photos at a maximum of one hundred (100) ft intervals. A minimum of fifty (50) photographs should be provided every month during construction. Photographs should be submitted with each month's Application for Payment.

B. The Contractor must document all DDW Waiver locations as described in the waiver provided in Appendix D and described in further detail in the Special Provisions.

1.03 POST-CONSTRUCTION PHOTOGRAPHS

A. Upon acceptance of the Work, the Contractor shall provide a minimum of one hundred (100) photographs of the general pipeline route as well as photos of each re-connected meter box. Photos must be of sufficient detail to document that properties were properly restored to preconstruction conditions. Post-construction photographs shall he taken at locations to be designated by the City Representative. These photographs shall be submitted as part of Contract Closeout.

PART 2 DELIVERABLE PRODUCTS

2.01 DIGITAL

A. Electronic files, minimum 300ppi resolution, thumbnail views and file name identification for each picture. Photos shall be grouped in the month taken and/or associated with the corresponding progress payment. Digital images shall be compiled on a thumb drive or other approved electronic media and provided with a descriptive index of the images. All thumb drives shall be labeled.

*****END OF SECTION*****

SECTION 01 40 00
QUALITY CONTROL

PART 1 GENERAL

1.01 OBSERVATION AND SUPERVISION

A. The CONSTRUCTION MANAGER or CONSTRUCTION MANAGER's appointed representative or the ENGINEER will review the Work and the CONTRACTOR shall provide facilities and access to the Work at all times as required to facilitate this review.

B. Responsibility:

1. The CONTRACTOR shall be solely responsible to supervise and direct the entire Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to complete the Work in accordance with the Contract Documents.
2. The CONTRACTOR shall be solely responsible for the means, methods, techniques, sequences, quality control, and procedures of construction and safety precautions and programs incidental thereto.
3. The foregoing includes work performed by the CONTRACTOR's Subcontractors.
4. The CONTRACTOR shall be responsible to see that the finished Work complies accurately with the Contract Documents.
5. CONTRACTOR shall be responsible for having access to all project documents at the site at all times (hard copy or electronic). Project documents shall include but are not limited to all drawings, specifications, submittals, requests for information (RFI), requests for change (RFC), change orders, and up to date project record drawings. Contractor is responsible to ensure that the latest version of all documents are available.
6. Project documents as described above shall be onsite and available for OWNER or ENGINEER review at all times. Failure to maintain or make project documents available will result in the stoppage of work. Schedule and cost changes resulting from stoppage of work are the responsibility of the CONTRACTOR.

C. Superintendent:

1. The CONTRACTOR shall designate in writing and submit for ENGINEER's approval a technically qualified, English-speaking superintendent, who shall be onsite and responsible for the work, and who shall not be replaced without written acceptance of the ENGINEER.
2. The superintendent shall be the CONTRACTOR's representative at the job site and shall have authority to act on behalf of the CONTRACTOR.

3. All communications given to the superintendent shall be as binding as if given to the CONTRACTOR.
4. The CONTRACTOR's superintendent shall be present at the site of the Work at all times while work is in progress. Failure to observe this requirement shall be considered as suspension of the Work by the CONTRACTOR until such time as such superintendent is again present at the site.
5. CONTRACTOR's superintendent shall be responsible for maintaining a complete hardcopy set of all project documents.

1.02 RESPONSIBILITY

A. The CONTRACTOR is responsible for conducting all testing and inspection specifically required by the Specifications and otherwise necessary to ensure compliance with the Contract Documents.

1. Approval of Testing Laboratories and Geotechnical Consultants:
2. All laboratory work under this contract shall be performed by a laboratory approved by the ENGINEER, whether the laboratory is employed by the CONTRACTOR, or is owned and operated by the CONTRACTOR.
3. The basis of approval includes the following:
4. Testing laboratories performing work in connection with concrete, steel, and bituminous materials shall comply with ASTM E 329 and ASTM D 3666, respectively.
5. Testing laboratories performing work not in connection with concrete, steel, bituminous materials, soils and non-destructive testing shall comply with ASTM E 548.

B. The ENGINEER may conduct periodic independent testing and inspection to verify compliance with the Contract Documents.

C. Retesting:

1. The OWNER reserves the right to back-charge the CONTRACTOR for retesting of deficient or defective work or products upon written notification.
2. Compensation for retesting on behalf of the OWNER will be made through deductions from the Progress Payments.

D. The CONTRACTOR is responsible for correcting all defective work discovered prior to final acceptance of the Contract, despite the failure of the Inspector(s) to discover it.

1.03 TESTS AND INSPECTIONS

A. The CONTRACTOR shall be responsible for scheduling all inspections and tests required.

1. The ENGINEER shall be given a minimum 48 business hours notice prior to any inspections or tests.

B. The CONTRACTOR shall pay for all tests, inspections and special inspections including, but not limited to:

1. Standard inspections and tests necessary to comply with laws, ordinances, rules, regulations and orders of public authorities pursuant to General Conditions.
2. Concrete and CLSM compressive strength tests for trial batch mix designs.
3. Tests of materials, inspections, and certifications required by the Specifications.
4. Testing, adjusting, and balancing of equipment and systems required by the Specifications.
5. Any testing performed by the CONTRACTOR for their own quality control.
6. All compaction testing, moisture testing, field testing of trench and subgrade backfill, CLSM, geotechnical observations, and all certifications necessary to comply with the specifications.
7. Retests or re-inspections by the OWNER, if required, and tests or inspections required due to CONTRACTOR error or lack of required identifications of material.
8. Any and all water used by the CONTRACTOR in any testing.

C. The CONTRACTOR shall be responsible for coordinating with the City's Inspector for scheduling of all tests and inspections pertaining to soils.

D. Electronic copies of the agency or laboratory report of each test or inspection shall be provided to the ENGINEER in PDF format. Hard copies must be provided if requested. All tests of materials shall be made in accordance with the commonly recognized standards of national technical organizations, and such other special methods and tests as are prescribed in the Contract Documents. Hardcopies of soils testing daily reports shall be provided to the ENGINEER before close of business the day tests are completed.

E. Along with the monthly progress pay application submittal, the CONTRACTOR shall provide to the ENGINEER a typed summary of all tests performed for the current month including test location by station or location, elevation, depth below finished grade, material tested, wet density, moisture content, dry density, maximum density curve used, and percent relative compaction. Lab test results shall also be included in the monthly report with clear description of material tested, intended use on the Project, and a statement of compliance or noncompliance with the Project requirements.

F. Purchase Orders:

1. One copy of each of the CONTRACTOR's purchase orders for materials forming a portion of the work shall be furnished to the ENGINEER, if requested.
2. Each such purchase order shall contain a statement that the materials included in the order are subject to inspection by the OWNER.

G. Samples:

1. The CONTRACTOR shall furnish samples of materials as are required by the ENGINEER, without charge.
2. No material shall be used until the ENGINEER has had the opportunity to test or examine such materials.
3. Samples will be secured and tested whenever necessary to determine the quality of the material.
4. Samples and test specimens prepared at the job site, such as concrete test cylinders, shall be taken or prepared by the ENGINEER in the presence and with the assistance of the CONTRACTOR.

1.04 AUTHORITY AND DUTIES OF INSPECTOR

A. Inspectors employed by the OWNER shall be authorized to inspect all work done and materials and equipment furnished to complement the CONTRACTOR furnished independent inspector.

1. Such inspection may extend to all or any part of the work, and to the preparation, fabrication, or manufacture of the materials and equipment to be used.
2. The Inspector will not alter or waive the provisions of the Contract Documents.
3. The Inspector will keep the ENGINEER informed as to the progress of the work and the manner in which it is being done.
4. The Inspector will call the CONTRACTOR's attention to nonconformance with the Contract Documents that the Inspector may have observed.
5. The Inspector will not be responsible for the adequacy or correctness of the CONTRACTOR's means, methods, techniques, sequences, or procedures for construction.
6. The Inspector will not approve or accept any portion of the work, issue instructions contrary to the Contract Documents, or act as foreman for the CONTRACTOR.
7. The Inspector may reject defective materials, equipment, or work when it is not in compliance with the Contract Documents.
8. The Inspector will not be responsible for:
    a. The CONTRACTOR's quality control program.
    b. The CONTRACTOR's safety program.
    c. Coordinating the work or activities of the CONTRACTOR or their Subcontractor.

PART 2. PRODUCTS (NOT USED)

PART 3. EXECUTION (NOT USED)

****END OF SECTION****

SECTION 01 77 00
CLOSE OUT PROCEDURES

PART 1 GENERAL

Section Includes: Contract closeout requirements including:

1. General Project site cleanup
2. Pressure Testing, Disinfection, and Water Quality Testing of systems,
3. Preparation and submittal of closeout documents,
4. Final completion certification.

1.01 WASTE DISPOSAL

A. Arrange for and dispose of surplus materials, waste products, and debris off-site.

B. Prior to making disposal on private property, obtain written permission from Owner of such property.

C. Do not fill ditches, washes, or drainage ways which may create drainage problems.

D. Do not create unsightly or unsanitary nuisances during disposal operations.

E. Maintain disposal site in safe condition and good appearance.

F. Complete leveling and cleanup prior to final acceptance of the Work.

G. Remove all temporary facilities and services, along with construction tools and equipment, mock-ups, and similar element.

1.02 TOUCH-UP AND REPAIR

A. Touch-up or repair finished surfaces on structures, equipment, fixtures, and installations that have been damaged prior to inspection for Final Acceptance.

B. Refinish or replace entire surfaces which cannot be touched-up or repaired satisfactorily.

1.03 FINAL CLEANING, PRESSURE TESTING, STERILIZATION [DISINFECTION], AND WATER QUALITY TESTING OF POTABLE WATER MAINS SYSTEMS

A. Pipe Flushing

1. Prior to installing, clean interior of pipe and fittings thoroughly to remove any dirt and debris.
2. Flush 12-inch diameter and smaller pipe as thoroughly as available water sources will permit.
3. When pipe contains dirt that cannot be removed by flushing, swab pipe interiors with solution containing not less than 500 parts per million of chlorine until clean.

B. System pressure testing, disinfection, and water quality testing shall be performed and comply with City's Standard Section 81 – Domestic Water Supply System Construction, 81-13 – Testing Procedures.

1.04 CLOSEOUT DOCUMENTS

A. Submit following Closeout Submittals upon Completion and at least seven (7) days prior to submitting Application for Final Payment:

1. Evidence of Compliance with Requirements of Governing Authorities.
2. Project As-built plans approved by the City Representative.
3. Operation and Maintenance Manuals.
4. Warranties and Bonds.
5. Evidence of Payment and Release of Liens and Stop Payment Notices as outlined in Conditions of the Contract.
6. Release of claims as outlined in Conditions of the Contract.
7. Survey Record Documents
8. SWPPP Documentation
9. Certificate of Final Completion.

1.05 PROJECT RECORD DOCUMENTS

A. Maintain at Project site, available to City and City Representative, one (1) copy of the Contract Documents, shop drawings and other submittals, in good order.

1. Mark and record field changes and detailed information contained in submittals and change orders.
2. Record actual depths, horizontal and vertical location of underground pipes, duct banks and other buried utilities. Reference dimensions to permanent surface features.
3. Identify specific details of pipe connections, location of existing buried features located during excavation, and the final locations of piping, equipment, electrical conduits, manholes, and pull boxes.
4. Identify specific details pertaining to the installation of new in-tract pipe on private property. This shall include a sketch of the property and adequate detail and reference points that define and describe the in-tracts alignment.
5. Identify location of spare conduits including beginning, ending and routing through pull boxes, and manholes. Record spare conductors, including number and size, within spare conduits, and filled conduits.
6. Provide schedules, lists, layout drawings, and wiring diagrams.
7. Make annotations with erasable colored pencil conforming to the following color code:

Additions:	Red
Deletions:	Green
Comments	Blue
Dimensions:	Graphite

B. Maintain documents separate from those used for construction.

1. Label documents "RECORD DOCUMENTS."

C. Keep documents current.

1. Record required information at the time the material and equipment are installed and before permanently concealing.

D. Deliver record documents with transmittal letter containing date, Project title, Contractor's name and address, list of documents, and signature of Contractor.

E. Record documents shall be available for the City Representative to review to ascertain that changes have been recorded.

F. Failure of the Contractor to keep current with the updating of the As-Built Plans shall be grounds for withholding monies from partial payment estimates.

***** END OF SECTION *****

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SECTION 02 07 50
PROTECTION, TESTING, AND RESTORATION OF EXISTING FACILITIES

PART 1 GENERAL

1.01 REQUIREMENTS

A. This section is intended to include requirements associated with protection, testing, and restoration of existing facilities such as underground utilities, sprinkler systems, utility poles, surface improvements, and survey markers.

B. The Contractor shall provide all materials and equipment to accomplish the work described. Materials shall comply with the governing agency specifications.

1.02 RELATED SECTIONS

A. Section 02 49 10 – Landscaping Repair

1.03 NOTIFICATION OF UTILITIES

A. Utility Owners and the City of Roseville are to be contacted by the Contractor prior to any excavation activities requesting locations on underground utilities and services on a street by street basis. Should any apparent interferences exist, the Engineer shall be immediately notified.

B. Contractor shall utilize the services of Underground Service Alert (USA) And shall obtain a USA ticket and keep the ticket current during excavating. USA may be contacted at 1-800-227-2600.

C. In the event that a conflicting utility is damaged, the utility owner shall be notified immediately and given the opportunity to specify alternative repair materials or methods.

1.04 PROTECTION OF FACILITIES

A. The Contractor shall take all necessary measures to avoid damage to existing surface and underground utility facilities in and near the site of the work. No error or omission on the drawings shall be construed to relieve the Contractor from his responsibility to protect all underground pipes, conduits, cables or other structures. The Contractor shall indemnify the City of Roseville and hold it harmless from any and all claims, demands, or liability made or asserted by any person or entity on account of, or in connection with any damage to such surface or underground facilities caused by the Contractor or any of his agents or subcontractors.

B. Exact locations and depths of all underground utilities shall be verified, by uncovering, prior to commencing any WORK activities. When such exploratory excavations show the underground utility locations as indicated in Contract Documents to be in error, the Contractor shall immediately notify the Engineer in writing.

C. The drawings for the Work show the underground utilities on the site insofar as they are known to the City. The drawings may not show facilities apparent from visual

inspection of the site or service laterals or appurtenances, the existence of which can be inferred from the presence of other visible facilities such as buildings, meters, junction boxes, etc., on or adjacent to the construction site.

D. The Contractor shall make the necessary arrangements to have a PGE inspector verify the crossing of PGE facilities. This includes, but is not limited to, notifying a PGE inspector if the existing gas line being crossed has pre-existing or failing condition (e.g. coating delamination). Prior to backfill, the Contractor shall get the PGE inspector's authorization (e.g. written acknowledgement) that gas line is in satisfactory condition to be backfilled.

E. Any excavation within 5-feet of existing overhead utility poles requires notification of Roseville Electric and coordinate a minimum of 2-weeks in advance of doing the work. Contact Joseph McKinney at (916) 241-6776.

1.05 INTERRUPTION TO UTILITIES

A. Where utilities are to be relocated, Contractor shall make proper application to the owners of the conflicting utilities and notify Engineer of specified time and conditions of necessitated WORK.

B. All restorations made to utilities shall be inspected and approved by an authorized representative of the utility before being concealed by backfill or other WORK.

C. No additional compensation for any breaks or other delays associated with working around existing utility lines (gas, water, sewer, irrigation, etc.) will be made. The Contractor assumes the responsibility to protect such utilities in their current condition and location and if damaged shall not claim loss of production nor seek reimbursement should the Contractor cause damage to the utility.

D. Contractor is responsible and assumes all liability to retain and protect all utility poles within or beyond the specified pay limit.

E. Contractor is responsible and assumes all liability to protect all curb, gutter, and drain inlets within or beyond the specified pay limit.

F. Contractor accepts responsibility for repair of utilities damaged during construction whether shown on the plans or not.

1.06 UNIDENTIFIED EXISTING UTILITIES

A. If, in the performance of the work, an existing facility is encountered which is not shown on the drawings and is not apparent or inferable from visual inspection of the site, the Inspector shall be notified immediately. The City will determine whether the drawings or specifications shall be modified, or whether existing utility shall be relocated or whether the Contractor shall work around the existing utility. If appropriate, the determination of the City shall be incorporated in a Change Order for extra work pursuant to the General Conditions.

1.07 PROTECTION OF SURVEY AND STREET MARKERS

A. Survey markers or other existing street markers shall not be destroyed, removed, or otherwise disturbed without proper authorization. No pavement breaking or

excavation shall be started until all surveyor or other permanent marker points that will be disturbed by the construction operations have been properly referenced for easy and accurate restoration by the Contractor.

B. All survey markers or points disturbed, will be accurately restored by the Contractor after all WORK is complete. The Contractor is responsible to replace survey markers per the City of Roseville's Design and Construction Standards and obtain approval from the City prior to final closeout of the project.

1.08 PROTECTION OF TREES

A. Any construction work within the drip line of any tree shall conform to the Project Special Provisions 2 – Initial Study/Mitigated Negative Declaration, and Special Provision 3 – Tree Protection (Ref to Part 4 – Supplemental Conditions), and the following.

1. No tree shall be removed without the expressed written permission of the City and the property owner.
2. Hand excavation may be required to avoid damage to roots 2 inches in diameter and larger. Cutting or breaking roots 2 inches in diameter or larger may require trimming of the tree to the satisfaction of the property owner or City of Roseville.

1.09 DECORATIVE HARDSCAPE

A. The Contractor shall make their own observation of properties where decorative hardscape exists (e.g. stamped and/or colored concrete, pavers, rock, decorative curbing, decking) that may be impacted by the Contract work. Any decorative hardscape impacted shall be the Contractor's sole responsibility to repair or replace the in-kind or better at no additional cost to the City. The Contractor shall coordinate with the property owner and make any necessary repairs or replacements to the property owner's satisfaction. All costs for making such repairs or replacement shall be included in the GMP.

PART 2 PRODUCTS

2.01 REPLACEMENT IN KIND

A. Unless indicated otherwise or specifically authorized by a utility owner, reconstruct utilities with new material of the same size, type, and quality as that removed.

B. Unless indicated otherwise or specifically authorized in writing by the property owner, all repairs or replacement to landscape and hardscape on private property shall be of new material to in-kind or better materials.

PART 3 EXECUTION

3.01 GENERAL

A. Replace per the City of Roseville Design and Construction Standards all improvements such as curbs and gutters, drain inlets, barricades, speed tables, traffic

islands, signalization, fences, signs, etc. that are cut, removed, damaged, or otherwise disturbed by construction.

B. Where utilities are parallel to or cross the construction, but do not conflict with the permanent work to be constructed, follow the procedures given below and as indicated in the drawings. Notify the utility owner a minimum of 48 hours in advance of the crossing and coordinate the construction schedule with the utility owner's requirements.

C. Determine the true location and depth of utilities and service connections that may be affected by or affect the work by potholing the utility. Determine the type, material, and condition of these utilities. All investigative results shall be provided to the engineer a minimum of 14-days in advance in order to provide sufficient lead time to resolve unforeseen conflicts, order materials and take appropriate measures to ensure that there is no delay in work.

3.02 PROCEDURES

A. Protect in place: Protect utilities in place, unless abandoned, and maintain the utility in service, unless otherwise specified.

B. Cut and Cap Ends: Cut abandoned utility lines and cap the ends Legally dispose of cut pipe and other removed items.

C. Tees or outlets cut and capped on existing waterlines remaining in service will be subjected to the same leak standards as new pipe. Contractor shall account for thrust and pressure in the existing line when cutting and capping outlets.

D. Remove and Reconstruct: Where so indicated in the drawings, or as required by the City's Representative, remove the utility and, after passage, reconstruct it with new materials. Provide temporary services for the disconnected utility.

3.03 COMPACTION

A. Utilities Protected in Place: Contractor shall backfill and compact under and around the utility.

B. Sewer Crossing Procedures – When crossing a sewer service, lateral or main the contractor shall protect the existing facility in place. Backfill material between the sewer service, lateral or main and the waterline shall be CLSM unless specified otherwise in the plans. Any damaged sewer service, lateral or main shall be replaced per the City of Roseville's Design and Construction Standards at the Contractor's expense.

C. Alternative Construction – Sand Slurry: Sand slurry consisting of one sack (94 pounds) of Portland cement per cubic yard of sand and sufficient moisture for workability may be substituted for other backfill materials to aid in reducing compaction difficulties. Submit specific methods and procedures for the review of the City's Representative prior to construction.

3.04 LAWN/LANDSCAPE REPLACEMENT

A. Any lawns damaged by construction shall be replaced with nursery grown sod matching the existing grass type repaired per Section 02 49 10 at no cost to the City. Every attempt shall be made to satisfy the property owner that the repair has been made to restore private property to pre-construction conditions. Seeding may be allowed on a case by case basis to achieve better match with existing grass, if adequate soil preparation is performed and watering arrangements are made with the owner.

B. 3.05All landscaping, including plants, flowers, and/or other vegetation damaged by construction shall be replaced or repaired per Section 02 49 10 at no cost to the City. Every attempt shall be made to satisfy the property owner that the repair has been made to restore private property to pre-construction conditions.

3.05 YARD STRUCTURES/HARDSCAPE

A. Any structures including fences, walkways, concrete, asphalt, pavers, decking, etc. damaged by construction shall be replaced or repaired at no cost to the City. Every attempt shall be made to satisfy the property owner that the repair or replacement has been made to restore private property to pre-construction conditions.

3.06 PAVEMENT AND STRIPING

A. All pavement and striping disturbed during the project shall be replaced in kind with the exception of minor residential streets, where striping can be replaced with standard paint in lieu of thermoplastic striping. See Special Provision for specific locations where this is allowed. Pavement and striping within commercial areas shall be approved by the property owner. Approvals shall be provided to the City in the form of a letter signed by the owner.

3.07 PRIVATE UTILITIES

A. All private utilities disturbed during the project such as irrigation systems, yard lighting systems, etc., shall be replaced or repaired at no cost to the City. Every attempt shall be made to satisfy the property owner that the repair has been made to restore private property to preconstruction conditions.

****END OF SECTION****

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SECTION 02 49 10
LANDSCAPE REPAIRS

PART 1 GENERAL

1.01 DESCRIPTION

A. The Contractor shall furnish all labor, equipment, and materials necessary to perform the following work as indicated on the drawings and specified herein:

1. Finish Grading
2. Lawn and Grass Restoration
3. Concrete and Hardscape Restoration
4. Soil Preparation
5. Clean Up
6. Maintenance
7. Guarantee

1.02 RELATED WORK AND REFERENCES

A. Section 02 07 50 – Protection, Testing, and Restoration of Existing Facilities

B. ASPA (American Sod Producers Association) -Guideline Specification for Sodding

1.03 EXISTING CONDITIONS

A. Before submitting GMP, the Contractor shall visit the site and become familiar with all conditions relative to landscaping, hardscape, elevations, soils, area of work, clearances, etc.; no extra payment will be allowed for work occasioned by improper appraisal of existing conditions. Contractor shall document existing conditions with photographs and video per the City of Roseville's Design and Construction Standards and Specification 01 38 00 - Photographs.

B. Existing landscaping and hardscape shall be preserved wherever possible.

1.04 PROPERTY OWNER COORDINATION

A. The Contractor is made aware that the City has not made any Right of Entry agreements with property owners within the project area. The Contractor shall be solely responsible for preparing and distributing project notifications and coordinating any activity on private property with the property owner. Contractor is required to provide copies of notification materials in advance for approval. Contractor must also inform the City when properties are provided notifications.

1.05 LANDSCAPING

A. Contractor shall replace all damaged landscaping with plants similar in variety, size, and shape to the existing landscaping. In the event that like landscaping is not commercially available, the Contractor shall coordinate with the property owner for

a replacement. In no case will the Contractor be required to replace landscaping to a higher value than the existing without additional considerations from the City.

1.06 HARDSCAPING

A. Concrete, asphalt, pavers, and other hardscaping shall be sawcut as appropriate and replaced. Repairs shall be made to the City of Roseville's Design and Construction Standards, contract specifications, and the Owner acceptance. Alternative methods of repair shall be approved by the property owner and the City Representative.

B. Replacement of hardscaped surfaces shall match existing to the fullest extent possible including, but not limited to, exposed aggregate, stamped concrete, colored concrete, brick, stone, bark, wood, planter box, etc.

1. Decorative hardscape repairs or replacements will require the Contractor to matching stamps, colors, paver types, and material type, etc.

C. Contractor's personnel physically performing this replacement work shall have a minimum of five (5) years of experience in performing related hardscape work and shall demonstrate a high level of competence.

1.07 DELIVERY, STORAGE, AND HANDLING

A. Deliver Sod to the site on palettes within 24 hours of stripping.

B. Deliver fertilizer in waterproof bags showing weight, chemical analysis, and name of manufacturer.

PART 2 MATERIALS

2.01 SOIL CONDITIONER

A. Shall be treated bark, 1/4" size, Vita-Bark Nursery Mix, or equal.

2.02 GROWING MEDIA

A. Topsoil: Natural, fertile, agricultural soil capable of sustaining vigorous plant growth, not in frozen or muddy condition, containing not less than six (6) percent organic matter, and corrected to pH value of 5.9 to 7.0. Free from subsoil, slag, clay, stones, lumps, live plants, roots, sticks, crabgrass, cough grass, noxious weeds, and foreign matter. Not exceeding twelve (12) inches in depth.

B. Fertilizer: Use commercial fertilizer formulation required by soil analysis. Deliver fertilizer mixed as specified in standard size bags showing weight, analysis, name of manufacturer. Store in a weatherproof storage location in such a manner that it will be kept dry and its effectiveness will not be impaired.

2.03 HYDRO MULCH AND SEEDING

A. Provide hydro-mulch and seeding (if approved in lieu of sod) for any lawn or landscape area disturbed.

PART 3 EXECUTION

3.01 PRE-CONSTRUCTION DOCUMENTATION

A. Prior to construction, the Contractor will document the conditions of all surface features of the affected areas.

3.02 FINISH GRADING

A. Drainage: make entire area within the impacted area smooth and even and ensure adequate drainage of all areas. There shall be no depressed areas where water is trapped creating wet or ponding areas. Should this be discovered by the City before or after completion of the landscape, the Contractor shall correct the problem at no expense to the City.

B. Finish Grades: Ensure that finish grades shall be 1/2" below surface of paved areas.

C. Scars: Eliminate any erosion or construction scars.

D. Private Concrete and Pavers Areas: The Contractor shall prepare the subgrade under the existing concrete or paver area to match that of the existing condition. Compact subgrade to a minimum 90% relative compaction.

3.03 SOIL PREPARATION

A. All areas to be seeded or shrub planting beds shall be cleared and weeded. Fertilizer shall be applied in accordance with the recommendations of the nursery supplying the plants.

3.04 PLANTINGS

A. Trees: Plant, stake, fertilize and provide initial watering in accordance with supplying nursery recommendations.

B. Shrubs: Plant, support, fertilize and provide initial watering in accordance with supplying nursery recommendations.

C. Sod: Sod shall match the existing grass type and shall be planted, fertilized, and watered in accordance with supplying nursey recommendations.

3.05 WEED CONTROL

A. Apply pre-emergent weed control to all shrub planting beds after completion of all planting. Follow manufacturer's direction. Do not allow any weed control in the seeded areas. After applying the pre-emergent weed control, do not over-water any areas to prevent the washing away of pre-emergent weed control.

B. If the area has existing weed barrier fabric that is damaged, replace in kind.

3.06 MAINTENANCE

A. Until the City’s Acceptance of Project: The 2-month maintenance period will commence upon completion of the repairs and/or tree and shrub planting as verified

by the City Representative as a result of an on-site visit. Completion of the maintenance period shall be verified by another on-site visit. The Contractor shall request both on-site visits, in writing, five days in advance. If landscaping or maintenance is unacceptable, the maintenance period shall continue until final acceptance of the job by the City Representative.

B. Replacements: All dead plant materials and all plants not in a vigorous growing condition at the end of the maintenance period shall be replaced as weather conditions permit. Plants used for replacement shall be of the same variety and size (where possible) as those originally planted and shall be planted as specified.

C. Maintenance: Maintenance shall include all watering, reseeding, spraying, pruning, and weeding necessary to keep the planting areas neat and attractive throughout the maintenance period.

D. The Contractor is not expected to engage in long term maintenance of the new plantings. However, he shall maintain the plantings until the completion of the 2-month maintenance period referenced in Section 3.06 or as noted below. While the Contractor is maintaining the plantings, the following conditions shall be met.

1. Water all plants and grass as needed to promote growth and health to re-establish new plantings. Water grass sufficient to moisten soil 3-5 inches deep. Contractor shall continue watering activities until receiving final project acceptance from the City Representative.
2. Replant damaged areas.
3. Roll when necessary to remove minor depressions or irregularities.
4. Control growth of weeds. When using herbicides, apply in accordance with manufacturer's recommendations. Remedy damage resulting from negligent or improper use of herbicides. Only use herbicides with the permission of the property owner. If the property owner does not allow the use of herbicides, Contractor will not be liable for weed control.

E. Sprinkler Systems

1. With cooperation of the owner, contractor shall operate existing sprinkler system prior to any construction that may affect the system.
2. With cooperation of the owner, ensure sprinkler system settings are adequate to ensure adequate watering of the newly placed plantings.
3. Contractor shall submit a report of findings to the inspector of the system pre-construction condition and post-construction condition. The irrigation system shall not be in worse condition than originally reported.
4. Contractor shall be responsible for watering as necessary to re-establish plantings where no functioning irrigation systems exist.

3.07 CONCRETE AND PAVERS

A. The Contractor shall coordinate with property owner regarding the extent of the repairs and how the Contractor intends to make the repairs. The Contractor shall

demonstrate to the property owner's satisfaction what the repair will look like (e.g. color, texture and pattern, shape) and must get written agreement of the property owners' satisfaction of the repair or replacement. The Contractor shall submit the written agreements to the City Representative as a condition of acceptance.

3.08 POST CONSTRUCTION DOCUMENTATION

A. Produce Post-Construction photographs and video per the City of Roseville's Design and Construction Standards and Section 01 38 00 – Photographs

****END OF SECTION****

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SECTION 33 12 10
TRENCHLESS PIPE INSTALLATION

PART 1 GENERAL

1.01 WORK INCLUDED

A. This specification covers the work necessary to furnish and install, complete and in place, water service pipe using conventional boring tools or horizontal directional drilling equipment as shown on the drawings and specified herein. The Contractor shall provide all materials, labor, equipment, and services necessary for installation of new service lines, and connection of the new service line pipe to the new main lines.

B. Main line pipe shall not be installed by trenchless means unless approved by the City.

C. Service line pipelines from the main to the meter and from the meter to the service connection shall be made using trenchless installation unless otherwise approved by the City in advance of the work.

D. This specification is intended to be a "performance" type document. The Contractor shall consider this specification a guide to planning his work and should plan to submit all details of his proposed method, tools, and equipment for the City's approval.

1.02 RELATED WORK AND REFERENCES

A. Water Connections and Tie-Ins – Section 33 12 13.

B. Protection, Testing, and Restoration of Existing Facilities – Section 02 07 50.

1.03 CONTRACTOR SUBMITTALS

A. Contractor shall submit details on methods of proposed installation. Details shall include drawings detailing launch and receiving pits, layout space required for pipe prior to installation, manufacturers recommendations regarding maximum allowable bend on the pipe (through the launch pit), plans for making bends or installing fittings and re-launching pipe, etc.

B. Contractor shall submit on the type and size of equipment to be utilized for trenchless installation.

C. Contractor shall submit a profile of each bore for the City's review and acceptance.

D. Contractor shall submit information on the equipment and tools that will be used in the boring/drilling operation. Details shall include: pulling forces generated by the equipment, methods of protecting the pipe against excessive pulling forces, footprint of the machine (for traffic control considerations), etc.

E. Experience resumes for all personnel that will be operating the directional drilling or boring equipment. Resumes shall document the required experience operating the specific equipment proposed for use on the project.

F. All submittals will be subject to the approval of the City. Regardless of approvals given, the Contractor maintains responsibility for performing according to the specifications.

G. As-builts shall be submitted for all trenchless pipe installation completed with each progress payment request.

1.04 QUALITY ASSURANCE

A. Pipe insertion (boring or drilling) equipment shall be operated only by technicians who have a minimum of two years of experience in the installation of pipe as specified herein. The technician's experience shall be documented in the submittal.

1.05 WARRANTY

A. By undertaking the WORK, the Contractor stipulated that he provides to the City a warranty to be in force and effect for a period of one (1) year from the date of field acceptance by the City. The warranty shall require the Contractor to repair or replace the pipe should leakage, separation, collapse or other failure result from faulty materials or installation as determined by the City and the repair of any landscaping or vegetation due to the replacement at no cost to the City.

B. The warranty also indemnifies the City from any and all claims made by third parties against the Contractor or the City for damages incurred as a result of the use of trenchless installation of service line pipes.

PART 2 PRODUCTS

2.01 GENERAL

A. The Contractor shall provide pipe and fittings as specified and install same by directional drilling or boring to provide new water service pipe to each building identified to receive such.

2.02 PIPE

A. The Contractor shall provide service line pipe as specified in these contract documents.

B. Pipe shall be per the City of Roseville's Design and Construction Standards.

2.03 BUILDING WATER CONNECTIONS

A. Customer service lines shall include all fittings and appurtenances specified in the City of Roseville's Design and Construction Standards, latest edition.

PART 3 EXECUTION

3.01 GENERAL

A. The Contractor shall protect facilities from damage by forces generated by directional drilling or boring equipment.

3.02 PREPARATION

A. All WORK shall be performed as specified herein and supervised by personnel experienced in the installation of the pipe by directional drilling or boring. Preparation shall be per the details submitted prior to construction by the Contractor.

B. The Contractor shall expose known utilities that cross the path of the line to be installed by boring or directional drilling. Utilities shall be exposed by excavating (potholing) according to the guidelines provided by the California State Industrial Accident Commission.

C. The Contractor shall be required to locate the sewer and gas service laterals for each house on properties on which trenchless installations are to be performed. Sewer and gas service laterals may be located using a sonde device or any other means of the Contractor's choosing provided that the horizontal and vertical location is clearly identified to the satisfaction of the Agency prior to beginning trenchless operations.

D. The Contractor shall observe visually the operation of existing sprinkler lines of each property prior to any boring. The Contractor shall note any deficiencies in the sprinkler system and submit them to the City and the property owner. Contractor shall also record the static and residual water pressure at a hose bibb opposite from the point of connection of the new service to be installed. After new water service line is in full operation Contractor shall verify the sprinkler system is operational. Failure to adhere to this requirement will require the Contractor to fix any deficiencies reported by the homeowner after in-tract installation.

3.03 EQUIPMENT

A. Contractor shall ensure that the equipment proposed is sized appropriately for the work to minimize disturbance on private property. Contractor shall utilize the smallest equipment available to perform the work.

3.04 HANDLING AND STORAGE

A. The Contractor shall exercise care during the unloading, handling, and storage of all pipe to ensure that the pipe is not cut, gouged, scored or otherwise damaged. The pipe shall be stored so that it is not deformed axially or circumferentially. Any pipe segment with cuts in the pipe wall exceeding 10 percent of the wall thickness shall be cut out and removed from the site at the Contractor's cost.

B. All pipe shall be inspected upon arrival to the staging area by the Inspector.

3.05 INSERTION PITS/EXCAVATIONS

A. Launch and receiving pits and all excavations shall be prepared and backfilled in accordance with the equipment and the pipe manufacturers recommendations and in accordance with ASTM D-2774 and D-232l, the City of Roseville's Design and Construction Standards, the guidelines provided by the California State Industrial Accident Commission, and these specifications. All pits shall be adequately shored and braced to ensure safe work areas. Launch and receiving pits shall be constructed according to the details submitted by the Contractor and approved by the City. All landscaping at or near pits shall be restored to pre-construction or better condition.

B. Locations for the launch and receiving pits are to be determined by the Contractor and approved by the City. In considering locations for launch and receiving pits, the Contractor shall consider the size of the pipe to be installed, locations of obstructions and services, pulling distances, traffic conditions, and locations of conflicting utilities. Launch pits shall be constructed to avoid subjecting new pipe to forces (bending, or axial) larger than allowed by the pipe manufacturer.

3.06 PIPE INSTALLATION

A. Contractor shall install all in-tract piping to the latest plumbing and building code standards.

B. Contractor shall prepare the site for use of a directional drill or boring tool with pavement cuts or other surface preparations prior to beginning the construction. Contractor shall provide and install all pullers, rollers and other alignment control devices required to protect the pipe from damage during installation. Under no circumstances shall the pipe be stressed beyond pipe manufacturer's recommendations.

C. Contractor shall supply all materials and equipment required for lubricating fluid during installation. The Guaranteed Maximum Price (GMP) must include supply and handling of lubricating fluid.

D. Any slurry generated by the installation procedure shall be collected and or cleaned from the site. Costs for removing and disposing of the slurry shall be included in the cost of pipe installation and shall not be considered additional cost to the City.

3.07 STRESS AND STRAIN RELIEF AFTER PULLING OPERATIONS

A. The Contractor shall allow the directional drilled or bored pipe to return to its original length and shape in the unstressed state prior to making end connections at the meter box or at the point of connection to the existing building service line. Pipe manufacturer's recommendations shall be followed regarding the relief and normalization of stress and strain due to temporary stretching or elongation after pulling operations are completed. Contractor shall consider temperature and pulling time required when calculating required time for stress and strain relief. Time allowed for stress and strain relief shall be not less than 4 hours without a specific recommendation otherwise from the pipe manufacturer.

3.08 CONNECTION TO EXISTING SERVICE LINES

A. Connections to existing service lines shall be installed by trenchless means as much as possible and as close to the service connection as possible. Where absolutely necessary, or to preserve the health of vegetation (i.e., protect tree roots) excavations may be made.

B. The Contractor shall excavate and expose the building service line at the point that the new connection is to be made prior to installing the new service line.

C. New building services are not to be connected until pipe stresses and strain have been relieved through adequate time as specified above.

D. Building services shall be connected as detailed in the City of Roseville's Design and Construction Standards and Details and is shown on the drawings.

3.09 DISINFECTION AND TESTING

A. Following all installation and connections, the new service lines shall be disinfected and tested according to the City of Roseville's Design and Construction Standards and the Contract specifications. All service lines shall be flushed a minimum of 5-minutes each, and meter dial shall be confirmed to be registering volume of water. If flushing water is not clear after five minutes, Contractor to continue flushing until visibly clear.

****END OF SECTION****

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SECTION 33 12 13
WATER CONNECTIONS AND TIE-INS

PART 1 GENERAL

1.01 DESCRIPTION

A. This Section describes the procedures for tie-ins to the existing water main line and at the designated tie-ins to the existing water services.

1.02 SUBMITTALS

B. As specified in the City of Roseville's Design and Construction Standards or as modified herein.

C. Submit catalog cut sheets, complete with maintenance data and assembly drawings for fittings, valves, and boxes.

D. Submit service line location as-builts for each property.

E. Submit a cross-over plan and abandonment plan each a minimum of 2-weeks before being needed

1.03 RELATED WORK AND REFERENCES

A. City of Roseville Design and Construction Standards

B. City of Roseville Municipal Code and Plumbing Code

C. California Plumbing Code

D. Section 02 07 50 – Protection, Testing and Restoration of Existing Facilities

E. Section 33 12 10 – Trenchless Pipe Installation

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

3.01 TIE-IN TO EXISTING SYSTEM REQUIREMENTS

A. The Contractor is made aware that there may be existing pipelines in the project area may be asbestos concrete (AC) material which is considered a hazardous material if removed or disturbed. The Contractor should anticipate the need to remove sections of this pipe during tie-ins and abandonments. The contractor shall ensure that all pipe is properly removed and disposed of in accordance with all applicable regulatory requirements. Copies of all disposal records shall be provided to the City prior to final acceptance of the project.

B. Existing Water System: In order to prevent unnecessary interruption of the water main line, a controlled scheduling and sequence of the Contractor's work is necessary. The Contractor shall work in cooperation with the City's Operations and

Maintenance personnel to maintain continuous operation of the system. The Contractor is required to submit a schedule and tie-in plan for City approval within ten (10) working days prior to starting any of the tie-in work. The plan shall include an emergency response measures.

C. The Contractor shall not operate any City valve or other water appurtenances. This includes any new valve in continuous service (operation), even prior to final acceptance.

D. Connections to Existing Facilities:

1. The existing water main must remain in service until the new water main is tied in, tested, accepted, and all water services affected by the main are moved over to the new water line. The tie-ins have been designed to keep both the new and existing system active during the installation of services. The new lines shall be extended as close as possible to the tie-in points. The new lines must be completely tested and accepted before tying into the existing lines.
2. New services shall be installed prior to testing of the new water main unless the existing service is to be re-used.
3. The cost of temporary facilities and other items necessary for successful completion of the project shall be included in the GMP.
4. The Contractor shall be fully prepared to complete the connection in the time allotted and shall not stop work until the facilities are restored to service or until otherwise directed so by the City. All possible preparatory work shall be completed to the satisfaction of the City prior to connection to the existing system. The City reserves the right to cancel or delay the tie-ins due to weather, equipment or man-power concerns.

E. Exposing Existing Facilities: When connections are to be made to any existing pipe or other appurtenances, a minimum of 24-hours before the tie-in the Contractor shall excavate and expose the existing facility before the connection is made to determine the actual size, elevation, or position of the facility.

1. AC pipe is known to have varying outside diameters. Contractor shall verify the proposed fitting are compatible with the existing pipe.

F. Tie-in Sequencing

1. After successful testing of the new water main line, the new water main line shall be connected to the existing waterline as shown on the plans.
2. Once the new water main line is connected to the existing system, meters are to be switched over to the new services laterals in a systematic way to minimize the number and duration of outages for any individual customers.
3. Contractor to cap existing service lines. Existing service lines are to remain watertight until existing system is abandoned.
4. Contractor is required to employ adequate resources to ensure that no customer shall be out of service for more than 4-hours at a time (during tie-in to the

existing pipeline system). Additional limitations on outages during meter installation are provided in the Special Provisions.

5. The Contractor is responsible for determining if a customer will be out of water for more then 4-hours and providing an adequate bypass plan to provide water. Contractor is responsible for all costs associated with a bypass plan (including obtaining City approval).
6. The Contractor shall notify the City Representative a minimum of 5-working days prior to any shut-downs. The Contractor will be responsible for notifying and coordinating with customers. The Contractor is responsible for any de-watering required to complete the tie-in and shall be included in the GMP.
7. The Contractor is responsible to keep the City Representative informed of all customer notifications (who was notified and when) throughout the project.

G. Only after all services are connected to the new system will final abandonment of the existing system be performed. Contractor shall provide an abandonment plan for in advance of final abandonment.

3.02 FLUSHING/DISINFECTION WATER DISCHARGES –

A. The following types of non-stormwater discharges are anticipated for the flushing/disinfection phase of the project. Each discharge requires monitoring and notifications as noted below:

1. Water line flushing – Discharges associated with water line flushing are allowed to the City's storm drain system as allowed by the City of Roseville's Municipal Code Exemptions for Urban Stormwater Quality Management and Discharge Control (Chapter 14.2). The Contractor must provide the City a plan for flushing which identifies the drainage inlets for flushing, the anticipated flow rate and volume, BMPs to be implemented during flushing, and monitoring procedures. BMPs must meet the requirements of the Stormwater Quality BMP Construction Guidance Manual which can be found on the City's website.
2. Superchlorinated Discharges – Following disinfection of the system discharges of the superchlorinated water into the sewer will be allowed with specific permission of the Environmental Utilities Department. Contractor is required to coordinate planned discharges to the sewer system with EDU and Wastewater Treatment (Brian Buchanan – 916-746-1812). Discharges to the storm drain system must be dechlorinated and meet the monitoring and reporting requirements of the State General Permit (NPDES) for Drinking Water System Discharges (including specific requirements for chlorine residual, pH, and turbidity.

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PART 4
APPENDICES

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APPENDIX A – Encroachment Permit General Conditions

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CITY OF ROSEVILLE
TRADITION • PRIDE • PROGRESS

ENCROACHMENT PERMIT
GENERAL CONDITIONS

1. **PERMIT.** This permit is issued in accordance with the provisions of Title 13, Chapter 28, of the Roseville Municipal Code.
2. **ACCEPTANCE OF THE PROVISIONS.** It is understood and agreed by the Applicant that the doing of any work under this permit shall constitute acceptance of all the general conditions hereof.
3. **KEEP PERMIT AT WORK SITE.** This permit shall be kept at the site of the work and shall be shown to any representative of the Department of Public Works or any law enforcement office on demand.
4. **PROSECUTION OF WORK.** Any work authorized by this permit shall be performed in a workmanlike, diligent, and expeditious manner to the satisfaction of the Director.
5. **MINIMUM INTERFERENCE WITH TRAFFIC.** All work shall be planned and carried out so that there will be the least possible inconvenience to the traveling public except for the specific work permitted.
6. **TRAFFIC CONTROL.** The MUTCD (Manual of Uniform Traffic Control Devices) with the MUTCD State Supplement (2003) Editions shall be used as a guide for construction/maintenance work in the City right-of-way. Permittee shall take adequate precautions for the protection of the public. Where necessary, barricades, red lights, warning signs, and flagman shall be maintained until the excavation is refilled, the obstruction removed and the roadway is safe for the use of the public. The Director may specify, as a condition of the issuance of the permit, the devices or measures to be used by the permittee, however, failure of the Director to specify the devices or measures to be used shall not relieve the permittee of his obligation hereunder. Highways shall not be closed or traffic lanes blocked unless specifically permitted on this permit, or without first obtaining permission from the City Engineer. When permission is obtained, applicant shall notify the City Police and Fire Departments 48 hours in advance of closing the road. Traffic control signs and devices, street name signs, and mailboxes shall be kept upright at all times. Any damaged or destroyed devices, signs, markings or mailboxes shall be replaced at the permittee's expense. Approved traffic control hours must be obtained by contacting a Public Works Inspector.
7. **STORAGE OF MATERIAL.** No material shall be stored within eight (8) feet from the edge of the pavement or traveled way or within the shoulder line where the shoulders are wider than eight feet unless specifically authorized on the permit. After the work has been completed all excess material, including excess excavation, shall be removed from the right-of-way, and the roadway shall be left in a neat and orderly condition. All concrete and asphaltic concrete rubble shall be hauled off immediately upon removal and shall not be placed within City right-of-way.
8. **TUNNELING.** No tunneling will be permitted except as may be specifically set forth on the face hereof.
9. **TRENCHING.** Trenching for installation across any roadway open to traffic shall be progressive. Not more than one-half of the width of a traveled way shall be disturbed at one time and the remaining width shall be kept open to traffic by bridging and backfilling.
10. **BONDING AND INSURANCE.** Permittee shall post a bond or other security and provide insurance, as required by Section 13.28.050 of the Roseville Municipal Code.
11. **BORING.** Service and other small diameter pipes shall be jacked and/or bored or otherwise forced underneath pavement without disturbing same. Pavement of roadway shall not be cut unless specifically permitted on the face hereof. Service pipes will not be permitted inside of culvert pipes used as drainage structures. The bore shall not be more than 2 inches larger than the outside diameter of the pipe or the pipe bells.
12. **BACKFILL.** Jetting is not permitted within the public right-of-way.
13. **DRAINAGE.** If the work herein contemplated interferes with established Drainage, ample provision shall be made by the applicant to provide Adequate drainage facilities as directed by City Engineer.
14. **DRIVEWAY**. All driveways, which are cut or trenched, shall be replaced in kind upon completion of backfill.
15. **UNDERGROUND UTILITIES**. Disregard of or damage to underground utilities may be cause for revocation of this permit or denial of future permits at the discretion of the Director. Any utility so damaged shall be immediately reported to the owner and the Director.
16. **CLEANUP**. All roadside drainage ditches shall be restored to a true grade and the inlet and outlet ends of all culverts shall be left free from all excess material and debris. All brush, timber scraps and material shall be entirely removed, all holes backfilled, compacted and trimmed to grade and the right-of-way left in as presentable a condition as before work started. Clay earth which adheres to the paved surface of the roadway shall be removed by hand scraping, washing and sweeping, or by any other method which will leave a clean non-skid surface without impairing, injuring, or loosening the surface.
17. **FUTURE MOVING OF INSTALLATION**. It is understood by the permittee that the installation authorized herein shall, upon demand of the Director of Public Works be immediately relocated by, and at the sole expense of the permittee whenever construction, reconstruction or maintenance on the highway may require such relocation. The permittee shall commence such relocation within the time specified in said demand and thereafter diligently prosecute the same to completion.
18. **MAINTENANCE**. The permittee agrees, by the acceptance of this permit, to properly maintain any encroachment placed by it in the City right-of-way and to inspect and immediately repair and make good any injury to any portion of the right-of-way which occurs as a result of the maintenance of the encroachment in the highway or as a result of the work done under this permit, including any and all injury to the roadway which would not have occurred had such work not been done of such encroachment not placed herein.
19. **INDEMNITY**. Permittee shall defend, indemnify and hold harmless the City of Roseville, its officers, agents and employees, from any claim of damage of any type whatsoever, including without limitations, personal injury, death or property damage, arising out of or connected with the issuance of this permit or the construction or maintenance of the encroachment allowed by this permit.
20. **CONCRETE**. Existing concrete that is to be removed shall be saw cut or removed at the nearest expansion joint or score mark at the direction of the engineering inspector.
21. **ROADWAY WIDENING**. Where excavation adjacent to an existing roadway results in an elevation difference of 0.15 feet or more, the excavated area shall be filled with compacted ¾ inch aggregate base flush with said roadway and sloped down to no steeper than 4:1 prior to the end of each workday. Native fill may be used with approval of the City public works inspector.
22. **COMPACTION**. Compaction tests shall be provided as required by the City inspector at the permittee's expense.
23. **INTERRUPTION OF SERVICES**. Where existing services or access to a parcel will be interrupted, the permittee shall notify in writing all affected property owners or occupants a minimum of 48 hours in advance of said interruption. Commercial driveways must remain accessible during construction. At least one half of any commercial driveway shall remain accessible at all times, unless otherwise allowed by the permit. Working hours may be restricted by the City of Roseville as deemed necessary to lessen impacts to nearby businesses.
24. **STORM WATER DISCHARGE.** The State's General Permit for Stormwater Discharges Associated with Construction Activity (WQD 99-080-DWQ) requires the preparation of a Stormwater Pollution Prevention Plan (SWPPP) for sites with soil disturbances greater than or equal to one acre, or from sites smaller than one acre if the construction activity is part of a larger plan of development or sale that disturbs one acre or more. The applicant shall submit a complete SWPPP to the City's Public Works Department, Engineering Division, Development Section concurrent with the Improvement Plan review and approval process. Submittal of the SWPPP shall be a condition of the Improvement Plan, Grading and Encroachment Permit issuance. Construction activity shall not commence prior to the SWPPP acceptance and pre-construction meeting. See http://www.roseville/departments/environmentalutilities/stormwater/ for more information.

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APPENDIX B – State Water Resources Control Board (SWRCB), Division Of Drinking Water (DDW) – Project Waiver

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DOMENICHELLI AND ASSOCIATES, INC.
CIVIL ENGINEERING

September 23, 2020

Steve Watson
State Water Resources Control Board, Division of Drinking Water
364 Knollcrest Drive, Suite 101
Redding, CA 96002

RE: Recommendation to Request Waiver from the California Waterworks Standards – Water Main Separation Requirements for City of Roseville Downtown Water Mains Replacement Project Hillcrest Neighborhood.

Dear Mr. Watson:

This letter is to recommend that the City of Roseville request that the Division of Drinking Water consider granting a waiver from the California Waterworks Standards (Title 22, Chapter 16, Section 64572) regarding separation requirements for water mains from non-potable fluid pipelines. The City has identified the Roseville Hillcrest Neigborhood Service Area as requiring replacement of undersized and degrading pipelines to provide a more reliable and safer drinking water supply for both consumption and fire safety.

The project includes approximately 19,550 feet of water main pipeline replacement and is in the final stages of design and permitting. The project is bounded by Marietti Way to the West, Evelyn Ave to the North, Sunrise Ave to the East, and Vine Ave to the South.

The purpose of this letter is to request a waiver from the California Waterworks Standard relating to separation requirements of new water mains from existing non-potable fluid pipelines. As well as a blanket waiver for: a) sewer service laterals, and b) drainage inlet laterals throughout the defined project area.

As shown on the plans (Attachment A), the new potable water mains will be installed at their ultimate location. There is a total of 53 crossings identified and a total of 24 sections of new water main paralleling existing non-potable fluid pipelines. The proposed crossings reflect a minimum of 12-inches of clearance between the water and storm drain or sewer main and will be constructed with 18-foot, joint-free, full length, Class 350 Ductile Iron Pipe (DIP) centered on the crossings where possible. All joints within 8-feet on either side of the crossing will be restrained. Sections of the new water main paralleling existing storm drain or sewer mains will be constructed with Class 350 DIP, and will be restrained for the entire length where minimum horizontal separation does not comply with Section 64572 of the California Code of Regulations (CCR). These requested variances are shown on the plans and annotated below:

1. Sheet C1 Franklin St at STA 0+63: 8" DIP restrained water main crossing more than 12" below 6" Sanitary Sewer Pipe.
2. Sheet C1 Franklin St at STA 1+41: 8" DIP restrained water main crossing more than 12" below 6" Sanitary Sewer Pipe.
3. Sheet C3 Bonny Knoll Rd at STA 4+70: 8" DIP restrained water main crossing more than 12" below 12" Storm Drain Pipe.
4. Sheet C4 Bonny Knoll Rd at STA 14+76: 8" DIP restrained water main crossing more than 12" below 14" Storm Drain Pipe.
5. Sheet C5 Wayne Dr at STA 2+18: 8" DIP restrained water main crossing more than 12" below 6" Storm Drain Pipe.
6. Sheet C5 Wayne Dr at STA 2+28: 8" DIP restrained water main crossing more than 12" below 6" Storm Drain Pipe.
7. Sheet C5 Wayne Dr at STA 4+70: 8" DIP restrained water main crossing more than 12" below 6" Storm Drain Pipe.
8. Sheet C7 Camelia Dr at STA 5+09: 8" DIP restrained water main crossing more than 12" below 12" Storm Drain Pipe.
9. Sheet C7 Camelia Dr at STA 6+15: 8" DIP restrained water main crossing more than 12" below 6" Sanitary Sewer Pipe.
10. Sheet C7 Camelia Dr at STA 6+22: 8" DIP restrained water main crossing more than 12" below 24" Storm Drain Pipe.
11. Sheet C7 Camelia Dr at STA 8+35: 8" DIP restrained water main crossing more than 12" below 12" Storm Drain Pipe.
12. Sheet C8 Linwood Ave at STA 0+15: 8" DIP restrained water main crossing more than 12" below 6" Storm Drain Pipe.
13. Sheet C9 Toyon Way at STA 0+34: 8" DIP restrained water main crossing more than 12" below 6" Storm Drain Pipe.
14. Sheet C9 Toyon Way at STA 3+30: 8" DIP restrained water main crossing more than 12" below 12" Storm Drain Pipe.
15. Sheet C10 Marian Way at STA 4+99: 12" DIP restrained water main crossing more than 12" below 6" Sanitary Sewer Pipe.
16. Sheet C11 Melrose Ave at STA 0+38: 12" DIP restrained water main crossing more than 12" below 6" Sanitary Sewer Pipe.
17. Sheet C11 Melrose Ave at STA 0+40: 12" DIP restrained water main crossing more than 12" below 6" Storm Drain Pipe.
18. Sheet C11 Melrose Ave at STA 4+18: 12" DIP restrained water main crossing more than 12" below 12" Storm Drain Pipe.
19. Sheet C12 Melrose Ave at STA 7+63: 12" DIP restrained water main crossing more than 12" below 24" Storm Drain Pipe.

20. Sheet C12 Melrose Ave at STA 8+47: 12" DIP restrained water main crossing more than 12" below 6" Storm Drain Pipe.
21. Sheet C12 Melrose Ave at STA 11+11: 12" DIP restrained water main crossing more than 12" below 6" Storm Drain Pipe.
22. Sheet C15 Hillcrest Ave at STA 8+48: 8" DIP restrained water main crossing more than 12" below 6" Storm Drain Pipe.
23. Sheet C16 Hillcrest Ave at STA 13+25: 8" DIP restrained water main crossing more than 12" below 16" Storm Drain Pipe.
24. Sheet C16 Hillcrest Ave at STA 13+28: 8" DIP restrained water main crossing more than 12" below 8" Sanitary Sewer Pipe.
25. Sheet C16 Hillcrest Ave at STA 23+47: 8" DIP restrained water main crossing more than 12" below 12" Storm Drain Pipe.
26. Sheet C17 Hillcrest Ave at STA 26+37: 8" DIP restrained water main crossing more than 12" below 6" Sanitary Sewer Pipe.
27. Sheet C18 Hillcrest Ave at STA 33+02: 8" DIP restrained water main crossing more than 12" below 12" Storm Drain Pipe.
28. Sheet C18 Hillcrest Ave at STA 33+24: 8" DIP restrained water main crossing more than 12" below 8" Storm Drain Pipe.
29. Sheet C19 Marietti Way at STA 2+01: 8" DIP restrained water main crossing more than 12" below 12" Storm Drain Pipe.
30. Sheet C21 Maple Dr at STA 0+35: 8" DIP restrained water main crossing more than 12" below 12" Storm Drain Pipe.
31. Sheet C24 Vinewood Ave at STA 4+00: 8" DIP restrained water main crossing more than 12" below 6" Storm Drain Pipe.
32. Sheet C24 Vinewood Ave at STA 4+46: 8" DIP restrained water main crossing more than 12" below 6" Storm Drain Pipe.
33. Sheet C24 Vinewood Ave at STA 4+51: 8" DIP restrained water main crossing more than 12" below 6" Sanitary Sewer Pipe.
34. Sheet C24 Vinewood Ave at STA 7+52: 8" DIP restrained water main crossing more than 12" below 12" Storm Drain Pipe.
35. Sheet C24 Vinewood Ave at STA 7+57: 8" DIP restrained water main crossing more than 12" below 6" Sanitary Sewer Pipe.
36. Sheet C25 King Rd at STA 0+32: 8" DIP restrained water main crossing more than 12" below 12" Storm Drain Pipe.
37. Sheet C26 King Rd at STA 7+88: 8" DIP restrained water main crossing more than 12" below 6" Storm Drain Pipe.
38. Sheet C28 Highland Ave at STA 4+29: 8" DIP restrained water main crossing more than 12" below 6" Storm Drain Pipe.

39. Sheet C29 Poppy Ln at STA 3+87: 8" DIP restrained water main crossing more than 12" below 6" Sanitary Sewer Pipe.
40. Sheet C29 Poppy Ln at STA 3+91: 8" DIP restrained water main crossing more than 12" below 6" Storm Drain Pipe.
41. Sheet C29 Poppy Ln at STA 4+04: 8" DIP restrained water main crossing more than 12" below 12" Storm Drain Pipe.
42. Sheet C29 Poppy Ln at STA 4+20: 8" DIP restrained water main crossing more than 12" below 16" Storm Drain Pipe.
43. Sheet C29 Poppy Ln at STA 4+25: 8" DIP restrained water main crossing more than 12" below 8" Sanitary Sewer Pipe.
44. Sheet C30 Sunset Dr at STA 2+35: 8" DIP restrained water main crossing more than 12" below 6" Sanitary Sewer Pipe.
45. Sheet C35 Vine Ave at STA 0+42: 8" DIP restrained water main crossing more than 12" below 30" Storm Drain Pipe.
46. Sheet C35 Vine Ave at STA 2+42: 8" DIP restrained water main crossing more than 12" below 12" Storm Drain Pipe.
47. Sheet C35 Vine Ave at STA 2+69: 8" DIP restrained water main crossing more than 12" below 6" Sanitary Sewer Pipe.
48. Sheet C35 Azure Ct at STA 1+28: 8" DIP restrained water main crossing more than 12" below 12" Storm Drain Pipe.
49. Sheet C35 Azure Ct at STA 1+36: 8" DIP restrained water main crossing more than 12" below 18" Storm Drain Pipe.
50. Sheet C38 Frances Dr at STA 0+44: 8" DIP restrained water main crossing more than 12" below 10" Sanitary Sewer Pipe.
51. Sheet C40 Folsom Rd at STA 6+02: 8" DIP restrained water main crossing more than 12" below 24" Storm Drain Pipe.
52. Sheet C40 Folsom Rd at STA 6+04: 8" DIP restrained water main crossing more than 12" below 24" Storm Drain Pipe.
53. Sheet C43 Evelyn Ave at STA 0+25: 8" DIP restrained water main crossing more than 12" below 6" Storm Drain Pipe.
54. Sheet C3 Bonny Knoll Rd at STA 4+42 to STA 8+13: (371-feet): 8” DIP POJ restrained joints water main parallel with 6" sanitary sewer pipe with a minimum of 7.9 feet separation.
55. Sheet C3-C4 Bonny Knoll Rd at STA 912 to STA 1379: (467-feet): 8” DIP POJ restrained joints water main parallel with 6" sanitary sewer pipe with a minimum of 5.5 feet separation.
56. Sheet C5 Wayne Dr at STA 232 to STA 5+34: (336-feet): 8” DIP POJ restrained joints water main parallel with 6" sanitary sewer pipe with a minimum of 4.6 feet separation.

57. Sheet C6 Camelia Dr at STA 278 to STA 3+68: (109-feet): 8” DIP POJ restrained joints water main parallel with 6" sanitary sewer pipe with a minimum of 8.1 feet separation.
58. Sheet C6-C7 Camelia Dr at STA 375 to STA 6+28: (258-feet): 8” DIP POJ restrained joints water main parallel with 6" sanitary sewer pipe with a minimum of 8.4 feet separation.
59. Sheet C9 Toyon Way at STA 19 to STA 334: (315-feet): 8” DIP POJ restrained joints water main parallel with 6" sanitary sewer pipe with a minimum of 10 feet separation.
60. Sheet C9 Toyon Way at STA 334 to STA 517: (183-feet): 8” DIP MJ restrained joints water main parallel with 6" storm drain pipe with a minimum of 2.7 feet separation.
61. Sheet C10 Marian Way at STA 20 to STA 3+92: (371-feet): 8” DIP POJ restrained joints water main parallel with 6" sanitary sewer pipe with a minimum of 6.7 feet separation.
62. Sheet C11-C12 Melrose Ave at STA 26 to STA 763: (737-feet): 12” DIP MJ restrained joints water main parallel with 30" storm drain pipe with a minimum of 3.9 feet separation.
63. Sheet C12-C13 Melrose Ave at STA 763 to STA 1629: (866-feet): 12” DIP POJ restrained joints water main parallel with 6" sanitary sewer pipe with a minimum of 4.3 feet separation.
64. Sheet C15-C18 Hillcrest Ave at STA 848 to STA 3588: (2740-feet): 8” DIP POJ restrained joints water main parallel with 6" sanitary sewer pipe with a minimum of 4.3 feet separation.
65. Sheet C19-C20 Marietti Way at STA 23 to STA 772: (749-feet): 8” DIP POJ restrained joints water main parallel with 6" sanitary sewer pipe with a minimum of 6.8 feet separation.
66. Sheet C22 Maple Dr at STA 592 to STA 605: (13-feet): 8” DIP POJ restrained joints water main parallel with 6" sanitary sewer pipe with a minimum of 9.6 feet separation.
67. Sheet C23 Vinewood Ave at STA 202 to STA 285: (83-feet): 8” DIP POJ restrained joints water main parallel with 6" sanitary sewer pipe with a minimum of 7.4 feet separation.
68. Sheet C24 Vinewood Ave at STA 440 to STA 7+41: (310-feet): 8” DIP POJ restrained joints water main parallel with 6" sanitary sewer pipe with a minimum of 4 feet separation.
69. Sheet C27 Highland Ave at STA 330 to STA 367: (37-feet): 8” DIP POJ restrained joints water main parallel with 6" sanitary sewer pipe with a minimum of 6.8 feet separation.
70. Sheet C28 Highland Ave at STA 520 to STA 736: (216-feet): 8” DIP POJ restrained joints water main parallel with 6" sanitary sewer pipe with a minimum of 7.1 feet separation.
71. Sheet C29 Poppy Ln at STA 175 to STA 405: (230-feet): 8” DIP POJ restrained joints water main parallel with 6" sanitary sewer pipe with a minimum of 4.5 feet separation.
72. Sheet C30 Sunset Dr at STA 26 to STA 2+42: (226-feet): 8” DIP POJ restrained joints water main parallel with 6" sanitary sewer pipe with a minimum of 4 feet separation.

73. Sheet C31 Sunset Dr at STA 789 to STA 1005: (216-feet): 8" DIP POJ restrained joints water main parallel with 6" sanitary sewer pipe with a minimum of 5.7 feet separation.

74. Sheet C32-C33 Colnar St at STA 24 to STA 10+41: (1022-feet): 8" DIP POJ restrained joints water main parallel with 6" sanitary sewer pipe with a minimum of 5.8 feet separation.

75. Sheet C35-C36 Azure Ct at STA 143 to STA 557: (414-feet): 8" DIP POJ restrained joints water main parallel with 6" sanitary sewer pipe with a minimum of 4.6 feet separation.

76. Sheet C38 Sunrise Ave at STA 40 to STA 48: (8-feet): 8" DIP POJ restrained joints water main parallel with 10" sanitary sewer pipe with a minimum of 8.6 feet separation.

77. Sheet C41-C42 Folsom Rd at STA 1250 to STA 1606: (356-feet): 8" DIP POJ restrained joints water main parallel with 6" sanitary sewer pipe with a minimum of 5.7 feet separation.

My professional opinion is that the proposed construction methods will provide a safe installation with virtually no chance of cross-contamination of the potable water supply. If you have any questions, please feel free to contact me at (916) 933-1997, or by email at: sarar@daengineering.net.

Sincerely,
Domenichelli and Associates, Inc.



Sara Rogers, PE C64226
Project Design

Attachments:
Attachment A – Full Set Project Drawings (11x17, 58 pages)
Attachment B – New Water Main Crossing Existing Non-Potable Fluid Pipeline Table (4 pages)
Attachment C – New Water Main Paralleling Existing Non-Potable Fluid Pipeline Table (2 page)

Attachment A

10/13/2020

CITY OF ROSEVILLE

CONTRACT DOCUMENTS FOR DESIGN-ASSIST AND CONSTRUCTION OF

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

VOLUME 4 OF 4: DRAWINGS

USA NORTH 811 Call 811 Before You Dig



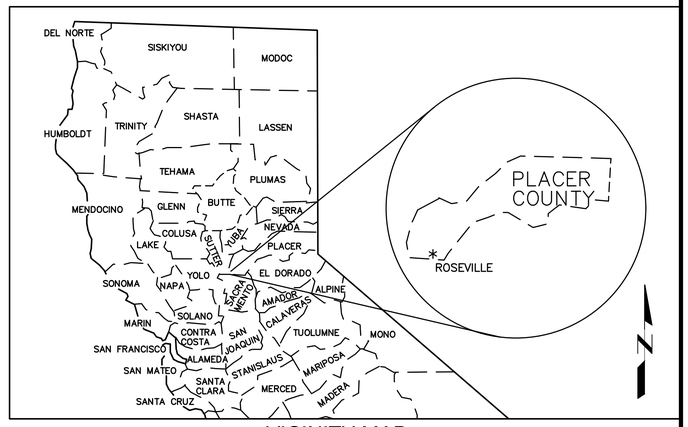
LOCATION MAP
NOT TO SCALE

OCTOBER 2020
FINAL DESIGN SUBMITTAL -
NOT FOR CONSTRUCTION

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C19	25	MARIETTI WAY - PLAN & PROFILE STA 0+00 TO 4+11
C20	26	MARIETTI WAY - PLAN & PROFILE STA 4+11 TO 8+20
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C35	41	VINE AVE / AZURE CT - PLAN & PROFILE STA 0+00 TO 2+88 / STA 0+00 TO 1+69
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DWG	SHEET	TITLE
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T4	57	TIE-IN DETAILS 4
T5	58	TIE-IN DETAILS 5



VICINITY MAP
NOT TO SCALE

Legend for Full Plan Set:

- # Water main crossing existing non-potable fluid pipeline
- # Water main paralleling existing non-potable fluid pipeline
- Length of water main paralleling existing non-potable fluid pipeline

UTILITY CONTACT INFORMATION

UTILITY	REPRESENTATIVES		PHONE
			800-642-2444
GAS	P.G.&E.	EMILY PEARSON	530-889-3147
			916-214-6776
TELEPHONE	CONSOLIDATED COM.	STEVE ADDIEGO	916-786-4591
SEWER	CITY OF ROSEVILLE	KEN GLOTZBACH	916-774-5750
DRAINAGE	DEVELOPMENT SERVICES	ENGINEERING	916-774-5339
T.V. CABLE	COMCAST	ANDREW KATZ	916-722-3206

Variance Request Submittal:

For State Water Resources Control Board - Division of Drinking Water

CITY OF ROSEVILLE - ENVIRONMENTAL UTILITIES
SEAN BIGLEY
ASSISTANT ENVIRONMENTAL UTILITIES DIRECTOR
ENVIRONMENTAL UTILITIES – WATER UTILITIES & GOVERNMENT RELATIONS
CITY OF ROSEVILLE

REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

SCALE: N.T.S.

WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

DOMENICHELLI & ASSOCIATES
5180 Golden Foothill Parkway Ste. 220, El Dorado Hills, CA 95762
Ph: (916) 933-1997 Fax: (916) 933-4778

CITY OF ROSEVILLE CALIFORNIA
2005 HILLTOP CIRCLE
ROSEVILLE, CA 95747 PHONE: 916-774-5750

REGISTERED PROFESSIONAL ENGINEER THOMAS M. DOMENICHELLI NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

TITLE SHEET

DWG. NO. G1
SHEET 1 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCR...001 HILLCREST - G SHEETS.DWG

20201013.115809

GENERAL:

1. ALL CONSTRUCTION AND MATERIALS MUST CONFORM TO THESE PLANS AND SPECIFICATIONS AND THE LATEST EDITION AND AMENDMENTS OF THE CITY OF ROSEVILLE DESIGN AND CONSTRUCTION STANDARDS.
2. THE CONTRACTOR SHALL CONDUCT A PRE–CONSTRUCTION MEETING TWO–WEEKS PRIOR TO STARTING WORK. MEMBERS OF THE CITY OF ROSEVILLE DEVELOPMENT SERVICES,ENVIRONMENTAL UTILITIES DEPARTMENT AND ALL OTHER UTILITY REPRESENTATIVES SHALL BE NOTIFIED BY THE CONTRACTOR AS TO THE DATE AND LOCATION OF THE MEETING.
3. THE CONTRACTOR SHALL TAKE EXTREME CARE TO PROTECT EXISTING SITE AND ADJACENT IMPROVEMENTS FROM DAMAGE. ANY DAMAGE RESULTING FROM CONSTRUCTION MUST BE REPAIRED TO CURRENT CITY STANDARDS AND AT CONTRACTOR'S EXPENSE. THE EXTENT OF THE REPAIRS SHALL BE DETERMINED BY THE PUBLIC WORKS INSPECTOR AND SHALL BE COMPLETED PRIOR TO THE CITY'S ACCEPTANCE OF THE IMPROVEMENTS.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL PERMITS NECESSARY TO PERFORM THE WORK SHOWN ON THESE PLANS FROM THE APPROPRIATE AGENCIES. REFER TO THE SPECIAL PROVISIONS IN TECHNICAL SPECIFICATIONS ADDITION PER REQUIREMENTS.
5. STATIONING HEREON IS ALONG STREET CENTERLINE UNLESS OTHERWISE SHOWN OR INDICATED. ALL STATIONING IS APPROXIMATE.
6. SHOULD ANY CULTURAL RESOURCES, SUCH AS STRUCTURAL FEATURES, UNUSUAL AMOUNTS OF BONE OR SHELL, ARTIFACTS, HUMAN REMAINS, OR ARCHITECTURAL REMAINS BE ENCOUNTERED DURING ANY CONSTRUCTION ACTIVITIES, WORK SHALL BE SUSPENDED AND THE CITY SHALL BE NOTIFIED IMMEDIATELY. CONTRACTOR SHALL COMPLY WITH ALL CONTRACT REQUIREMENTS FOR PROTECTION OF CULTURAL AND ARCHITECTURAL RESOURCES.
7. CONTRACTOR SHALL COMPLY WITH ALL ENVIRONMENTAL POLLUTION CONTROL RULES, REGULATIONS, ORDINANCES AND STATUTES WHICH APPLY TO ANY WORK PERFORMED PURSUANT TO THE CONTRACT, INCLUDING ANY WATER POLLUTION CONTROL RULES, REGULATIONS AND STATUTES SPECIFIED BY THE MOST CURRENT STATE OF CALIFORNIA NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY. IN THE EVENT OF ANY VIOLATIONS THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ALL FINES, CITATIONS, PENALTIES AND ALL OTHER JUDGEMENTS THAT SHALL BE IMPOSED.
8. SHOULD IT APPEAR THAT THE WORK TO BE DONE OR ANY MATTER RELATIVE THERETO IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR MUST REQUEST IN WRITING FROM THE ENGINEER SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.

UTILITIES:

9. THE TYPES, LOCATIONS AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE IMPROVEMENT PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UTILITIES. HOWEVER, THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF THE DELINEATION OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS.
10. THE CONTRACTOR SHALL EXPOSE AND VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION OF THE NEW IMPROVEMENTS, CONNECTING TO EXISTING IMPROVEMENTS AND UTILITIES. THE CONTRACTOR IS SOLELY RESPONSIBLE TO PROVIDE ALL LABOR AND EQUIPMENT NECESSARY TO LOCATE EXISTING UNDERGROUND FACILITIES.
11. THE CITY OF ROSEVILLE IS A MEMBER OF THE UNDERGROUND SERVICE ALERT (U.S.A.) ONE–CALL PROGRAM. THE CONTRACTORS SHALL NOTIFY THE U.S.A. CENTER 2 WORKING DAYS, NOT INCLUDING THE DATE OF NOTIFICATION, BUT NOT MORE THAN 14 CALENDAR DAYS IN ADVANCE OF PERFORMING EXCAVATION WORK BY CALLING TOLL–FREE NUMBER: (800) 642–2444. THE CONTRACTOR SHALL MARK IN WHITE PAINT ALL AREAS TO BE EXCAVATED PRIOR TO CONTACTING U.S.A. ANY AREAS NOT MARKED WILL NOT BE SUBJECT TO U.S.A., AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE RESULTING FROM EXCAVATION.
12. PG&E GAS LINES WITHIN THE PROJECT AREA SHALL BE EXPOSED PRIOR TO INSTALLATION OF ANY WATER MAINS AND SERVICES. DEPTHS OF PG&E GAS LINES ARE UNKNOWN. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING LOCATION AND DEPTH PRIOR TO INSTALLATION OF WATER MAINS AND SERVICES. HAND DIGGING IS REQUIRED WHENEVER WITHIN 24–INCHES OF EACH SIDE OF A GAS LINE TO THE DEPTH OF EXCAVATION. CONTRACTOR MUST NOTIFY PG&E REPRESENTATIVE OF GAS CROSSING ACTIVIES A MINIMUM OF 2–WEEKS IN ADVANCE. PG&E WILL ALLOW BORING METHOD FOR SERVICE INSTALLATION. HOWEVER, ALL PG&E GAS LINES WILL NEED TO BE FULLY EXPOSED TO DEPTH THE CROSSING. CONTRACTOR SHALL WATCH BORE HEAD DURING INSTALLATION (IN BOTH DIRECTIONS). IF THE COATING OF A GAS LINE IS BROKEN OFF OR OTHERWISE DAMAGED, IT IS THE CONTRACTOR'S RESPONSIBILTY TO CONTACT PG&E TO HAVE THE LINE CHECKED AND RE–WRAPPED. ANY DELAY CAUSED BY THESE EFFORTS WILL BE AT NO COST TO THE CITY.
13. ANY EXCAVATION WITHIN 5 FEET OF EXISTING OVERHEAD UTILITY POLES REQUIRES NOTIFICATION OF ROSEVILLE ELECTRIC AND COORDINATE A MINIMUM OF 2–WEEKS IN ADVANCE OF DOING THE WORK. CONTRACT JOSEPH McKINNEY (916) 241–6776.
14. WHEN WORKING AROUND COMMUNICATION LINES THE CONTRACTOR SHALL FIRST DETERMINE THE OWNER, NOTIFY THEM, AND HAVE THE OWNER PRESENT WHEN WORKING IN THE VICINITY OF THEIR UTILITY. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL COSTS ASSOCIATED WITH REPAIRS OF UTILITIES DAMAGED AS A RESULT OF CONSTRUCTION.

EXCAVATION, TRENCHING, CUTTING, AND BACKFILL:

15. A.C. SURFACE SHALL BE CUT TO A NEAT, STRAIGHT LINE PARALLEL WITH THE TRENCH CENTERLINE AND THE EXPOSED EDGE SHALL BE TACKED WITH EMULSION PRIOR TO PAVING. THE EXPOSED BASE MATERIAL SHALL BE GRADED, RECOMPACTED, AND RESEALED PRIOR TO PAVING. THE LIMITS OF PAVEMENT RESTORATION SHALL BE PER THE CITY REQUIREMENTS AND STANDARDS UNLESS OTHERWISE CALLED OUT IN THE PLANS.
16. ALL EXISTING CONCRETE SURFACE TO BE REMOVED SHALL BE SAW CUT TO A NEAT, STRAIGHT LINE AND SHALL BE REMOVED TO THE ADJACENT JOINTS.
17. THE CONTRACTOR SHALL ALWAYS COMPLY WITH OSHA REQUIREMENTS AND SHALL PROVIDE THE CITY OF ROSEVILLE WITH A COPY OF THE OSHA PERMIT PRIOR TO EXCAVATION OF TRENCHES 5 FEET OR DEEPER. THE PERMIT MUST BE SUBMITTED TO THE DEVELOPMENT SERVICES DEPARTMENT OR ENVIRONMENTAL UTILITIES DEPARTMENT INSPECTOR.
18. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHEETING, SHORING, AND BRACING OR EQUIVALENT METHOD, FOR THE PROTECTION OF LIFE OR LIMB, WHICH SHALL CONFORM TO THE APPLICABLE CONSTRUCTION SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY OF THE STATE OF CALIFORNIA.

RESTORATION:

19. CONTRACTOR WILL BE RESPONSIBLE FOR PAVEMENT RESTORATIONS ALONG THE TRENCH INCLUDING T–CUT, PAVEMENT TO RESTORE ADDITIONAL DAMAGED PAVEMENT, AND AS NOTED ON DETAIL 3/D4 AND PER THE CITY'S CONSTRUCTION STANDARDS.
20. PRIOR TO ROAD RESTORATION CONTRACTOR MUST RE–ESTABLISH A CLEANCUT AC EDGE, A MINIMUM OF 6–INCHES BEYOND DAMAGED AC EDGE. THE LIMITS OF PAVEMENT RESTORATION WILL BE DETERMINED BY THE PROJECT'S INSPECTOR.
21. ALL PAINTED TRAFFIC STRIPES, ARROWS AND PAVEMENT MARKINGS SHALL BE CONSTRUCTED WITH TWO–COMPONENT PAINTED TRAFFIC STRIP MATERIALS WITH GLASS BEADS TO THE SPECIFICATION SET FORTH IN SECTION 84 OF THE LATEST EDITION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AS WELL AS IN CONFORMANCE THE CITY OF ROSEVILLE STANDARDS SECTIONS 6, 84, AND 85.
22. ALL CONCRETE TO BE USED IN CURBS, DRIVEWAYS, BIKE PATHS AND SIDEWALKS SHALL BE CLASS A (6 SACK) PER CITY STANDARD 71–5 AND SECTION 73–1.02A – CONCRETE CURBS AND SIDEWALKS OF THE CALTRANS STANDARD SPECIFICATIONS.
23. ALL EXISTING UTILITIES AND IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE CITY OF ROSEVILLE CURRENT STANDARDS, AGENCY WITH JURISDICTION, AND TO THE SATISFACTION OF THE ENGINEER, AT THE CONTRACTOR'S SOLE EXPENSE.
24. CONTRACTOR MUST RESTORE LANDSCAPE AND HARDSCAPE DAMAGED OR REMOVED DURING CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH TECHNICAL SPECIFICATION SECTION 02000.

DDW WAIVER NOTES:

25. CONTRACTOR IS MADE AWARE THAT THE PROJECT HAS RECEIVED A WAIVER FROM THE STATE WATER RESOURCES CONTROL BOARD DIVISION OF DRINKING WATER (DDW). CONTRACTOR SHALL REVIEW AND COMPLY WITH THE WAIVER AND ALL ASSOCIATED REQUIREMENTS OF THE WAIVER AND OTHER PROVISIONS INCLUDED IN THE PLANS AND SPECIFICATIONS.
26. DDW WAVIER LOCATIONS PREVIOUSLY IDENTIFIED DURING UTILITY RESEARCH ARE IDENTIFIED ON THE PLANS AS FOLLOWS.

    CR – SEWER AND/OR STORM DRAIN CROSSING IDENTIFIED IN DDW WAIVER. SEE APPROVED WAIVER AND ASSOCIATED TABLES FOR SPECIFIC LOCATION IDENTIFICATION (NUMBER).

    PR1 – SECTION OF PIPELINE DOES NOT MEET MINIMUM HORIZONTAL SPACING REQUIREMENTS FROM EXISTING NON–POTABLE UTILITY. PUSH ON JOINT (POJ) RESTRAINED JOINTS REQUIRED ALONG THIS SECTION OF PIPELINE. SEE DETAIL 2/D4 TO CONFIRM ALLOWABLE JOINTS..

    PR2 – SECTION OF PIPELINE DOES NOT MEET MINIMUM HORIZONTAL SPACING REQUIREMENTS FROM EXISTING NON–POTABLE UTILITY. MECHANICAL JOINT RESTRAINED JOINTS REQUIRED ALONG THIS SECTION OF PIPELINE. SEE DETAIL 2/D4 TO CONFIRM ALLOWABLE JOINTS.
27. DDW WAVIER LOCATIONS NOT SHOWN ON PLANS. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL POTHOLING NECESSARY TO CONFIRM THE HORIZONTAL AND VERTICAL DISTANCES BETWEEN THE NEW WATER PIPELINE AND THE EXISTING STORM DRAIN AND SEWER FACILITIES. POTHOLING DATA COLLECTED BY CONTRACTOR MAY IDENTIFY ADDITIONAL LOCATIONS THAT REQUIRE DDW WAVIER BY NOT MEETING MINIMUM CLEARANCES. ANY DISCREPANCIES BETWEEN CLEARANCES SHOWN ON PLANS AND THOSE IDENTIFIED IN THE FIELD BY THE CONTRACTOR MUST BE IMMEDIATELY REPORTED TO THE ENGINEER. THESE LOCATIONS WILL BE EVALUATED AND MAY REQUIRE ADDITIONAL ENGINEERING DESIGN BEFORE CONSTRUCTION IS AUTHORIZED.
28. CONTRACTOR'S RESPONSIBILITY FOR DOCUMENTING CONSTRUCTION OF ALL LOCATIONS REQUIRING DDW WAVIER (INCLUDING BOTH PREVIOUSLY IDENTIFIED, AND THOSE IDENTIFIED DURING POTHOLING) INCLUDE RECORDING UTILITY CLEARANCE MEASUREMENTS (HORIZONTAL AND VERTICAL) AND TAKING PHOTOGRAPHS DURING CONSTRUCTION. CONTRACTOR MUST NOT BURY ANY DDW WAVIER LOCATION WITHOUT CITY INSPECTION AND APPROVAL.

CONSTRUCTION WATER:

29. ALL CONSTRUCTION WATER TO BE OBTAINED FROM A LOCATION APPROVED BY THE CITY OF ROESEVILLE. WATER CONVEYANCE TO CONSTRUCTION AREA IS THE RESPONSIBILITY OF CONTRACTOR. CONTRACTOR TO OBTAIN AND PAY DEPOSIT FOR CONSTRUCTION WATER METER AND BACKFLOW DEVICE. CONTACT THE CITY OF ROSEVILLE CUSTOMER SERVICES AT 916–774–5750.

PROJECT NOTES:

30. CONTRACTOR MUST DOCUMENT PRE–CONSTRUCTION CONDITIONS AS DETAILED IN TECHNICAL SPECIFICATION SECTION 01380 – PHOTOGRAPHY.
31. CONTRACTOR MUST DETERMINE FINAL AREAS OF EXCAVATION REQUIRED TO CONSTRUCT THE WORK. ALL AREAS OF EXCAVATION MUST BE RESTORED AS PART OF THE CONTRACT WORK.
32. BURIED PIPE AND FITTINGS SHALL BE WRAPPED WITH 8–MIL POLYETHYENE TAPE OR APPROVED EQUAL. TRACER WIRE IS REQUIRED TO BE INSTALLED ON ALL NEW MAINS AND SERVICE LINES.
33. CONTRACTOR IS REQUIRED TO SUBMIT A FLUSHING, PRESSURE TEST, AND DISINFECTION PLAN FOR REVIEW AND APPROVAL BY THE ENGINEER.
34. ALL SERVICES SHALL REUSE THE EXISTING METER AND METER BOX. NEW SERVICE LINES MUST BE CONSTRUCTED AND CONNECTED TO EXISTING METER PER CITY STANDARD DETAILS. CONTRACTOR TO IDENTIFY AND BRING TO INSPECTOR'S ATTENTION ANY EXISTING EQUIPMENT THAT IS BROKEN OR CANNOT BE REUSED.
35. CONTRACTOR MUST INSTALL NEW INTRACT SERVICE LINES, WHERE IDENTIFIED ON THE PLANS. THE LOCATIONS OF THE EXISTING INTRACT ARE UNKNOWN. THE CONTRACTOR SHALL FIELD LOCATE THE EXISTING INTRACT AND DETERMINE A SUITABLE ALIGNMENT TO INSTALL THE NEW INTRACT PIPE. THE INTRACT LINE WILL BE INSTALLED FROM THE METER TO THE POINT OF ORIGINAL PROPERTY (HOUSE). CONTRACOR MUST EVALUATE EACH OF THESE SITES AND PROVIDE ALL NECESSARY PIPING, FITTINGS, AND APPURTENANCES TO MAKE A COMPLETE AND OPERATIONAL CONNECTION.
36. THE EXISTING MAIN MUST REMAIN IN SERVICE UNTIL THE NEW MAIN IS MADE READY FOR CROSSOVER. DURING THE CROSSOVER NO MORE THAN TWO (2) FIRE HYDRANTS SHALL BE OFFLINE DURING A SINGLE SHUTDOWN.
37. BOTH THE EXISTING AND THE NEW WATER FACILITIES SHALL BE KEPT ACTIVE UNTIL ALL SERVICES ARE CROSSED OVER TO THE NEW FACILITIES AND THE SYSTEM IS ACCEPTED BY THE CITY. CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS AND WORK ASSOCIATED WITH TEMPORARY FACILITIES NECESSARY PRIOR TO FINAL ABANDONMENT OF THE EXISTING FACILITIES.
38. DISTRIBUTION PIPE AND CONNECTING MAINS SHALL BE PVC C900 OR DUCTILE IRON PIPE (POLYETHYLENE ENCASED) IN ACCORDANCE WITH CITY STANDARDS, TECHNICAL PROVISIONS, AND THE DRAWINGS. RESTRAINED PIPE SHALL BE DUCTILE IRON PIPE ONLY. THE PIPE SHALL BE RESTRAINED PER CITY STANDARDS AND DDW REQUIREMENTS. ALL MECHANICAL JOINTS SHALL BE OF THE RESTRAINED TYPE USING EBAA IRON, OR STAR, OR EQUAL. CALCULATED RESTRAINT LENGTHS ARE SHOWN ON THE PROFILES AND THE CONTRACTOR SHALL INSTALL RESTRAINTS TO THE NEXT NEAREST JOINT. TEST PRESSURE SHALL BE 150 PSI MINIMUM.
39. THE MAXIMUM DEFLECTION AT ANY JOINT SHALL NOT EXCEED THE MANUFACTURER'S ALLOWED DEFLECTION.
40. ABANDON EXISTING PIPELINE BY CUTTING AND CAPPING ENDS AS SHOWN ON PLANS PER CITY STANDARDS. VALVES SHALL BE ABANDONED BY REMOVING OPERATING NUT, VALVE BOX, AND RISER TO BE CUT AT LEAST 24" BELOW GRADE AND BACKFILLED PER CITY STANDARDS. BACKFILL ABANDONED VALVE LOCATIONS WITH CLASS 2 AB COMPACTED TO 95% IN PAVED AND HARDSCAPE AREAS TO SUBGRADE, OR FILLED WITH NATIVE AND TOPSOIL IN UNPAVED OR NON HARDSCAPED AREAS TO FINISHED GRADE.
41. PROJECT DISTURBANCE HAS BEEN CALCULATED TO BE MORE THAN 1 ACRE AND THEREFORE REQUIRES COVERAGE UNDER THE GENERAL PERMIT FOR DISCHARGES OF STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY (CONSTRUCTION GENERAL PERMIT 2009–009–DWQ). THE CONTRACTOR IS MADE AWARE THAT A SWPPP HAS BEEN PREPARED FOR THIS PROJECT AND THAT THE CONTRACTOR'S STAGING AREA ALSO FALLS UNDER THE SWPPP REQUIREMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR COMPLYING WITH THE CONSTRUCTION GENERAL PERMIT INCLUDING SWPPP IMPLEMENTATION, COMPLIANCE, MONITORING AND REPORTING. ANY VIOLATIONS AND FINES RESULTING FROM THE CONTRACTOR'S NEGLIGENCE WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PAY AND BRING INTO COMPLIANCE.
42. THRUST BLOCKS SHALL ONLY BE USED WHERE SPECIFICALLY SHOWN ON PLAN/PROFILE SHEETS AND/OR STANDARD DETAIL SHEETS. ALL FITTINGS AND APPURTENANCES SHALL MAINTAIN A MINIMUM OF 18 FEET OF RESTRAINED PIPE INTO THE FITTING FROM ALL DIRECTIONS.
43. EXISTING UTILITY BACKFILL – CONTRACTOR IS MADE AWARE THAT EXISTING UTILITIES IN THE PROJECT AREA HAVE BEEN BACKFILLED WITH VARIOUS TYPES OF BACKFILL OF UNKNOWN STRENGTH. ALL BACKFILL MATERIALS ARE CONSIDERED DIGGABLE, HOWEVER THE CONTRACTOR MUST ANTICIPATE THAT UTILITY CROSSINGS WILL INCLUDE EXCAVATION THROUGH 2–SACK CONCRETE SLURRY BACKFILL MATERIAL WHICH WILL REQUIRE ADDITIONAL EFFORT.

SYMBOLS

EXISTING

- GAS — GAS LINE
- SS — SEWER LINE
- SD — STORM DRAIN LINE
- ABANDONED STORM DRAIN LINE
- W — WATER LINE
- E — ELECTRICAL
- COM — COMMUNICATIONS/FIBER
- EOP — EDGE OF PAVEMENT
- PARCEL LINE/ RIGHT–OF–WAY
- VEGATION/BRUSH
- WATER METER
- WV — WATER VALVE
- FIRE DEPARTMENT CONNECTION
- FIRE HYDRANT
- BLOW OFF
- POWER POLE
- POLE
- ELECTRICAL BOX
- ELECTRICAL / COMMUNICATION MANHOLE
- GV — GAS VALVE
- SANITARY SEWER CLEAN OUT
- SURVEY MONUMENT
- SANITARY SEWER MANHOLE
- STORM DRAIN MANHOLE
- STORM DRAIN INLET
- STREETLIGHT
- UTILITY/LIGHT POLE
- TRAFFIC SIGNAL

NEW

- WATER LINE
- DDW WAIVER PIPE SECTION
- PROPOSED STORM DRAIN LINE (BY OTHERS)
- COM — COMMUNICATIONS/FIBER (BY OTHERS)
- M — WATER METER
- GATE VALVE
- FIRE HYDRANT
- BLOW OFF
- CAP (CUT AND CAP END)
- ABANDON PIPELINE
- IN TRACT LINE
- T.S. — TEST STATION
- MB — METER BOX, NO METER

ABBREVIATIONS

AB –	AGGREGATE BASE
ABAN –	ABANDON
AC –	ASPHALT CONCRETE OR ASBESTOS CEMENT PIPE
A.T.S.–	ANODE TEST STATION
BF, BFV–	BUTTERFLY VALVE
BFP –	BACKFLOW PREVENTER
C&G –	CURB AND GUTTER
℄,CL –	CENTERLINE / CLASS
CMP –	CORRUGATED METAL PIPE
COM –	COMMUNICATIONS
CONC –	CONCENTRIC, CONCRETE
DI –	DRAIN INLET
DIP –	DUCTILE IRON PIPE
DWG –	DRAWING
DWY –	DRIVEWAY
EL –	ELEVATION
ELEC –	ELECTRIC, ELECTRICTIAN
EOP –	EDGE OF PAVEMENT
(E)/EXIST/EX–	EXISTING
FH –	FIRE HYDRANT
FL –	FLOWLINE
FLG –	FLANGE
GB –	GRADE BREAK
GV –	GATE VALVE
IE –	INVERT ELEVATION
INV –	INVERT
L –	LENGTH
M –	METER
MAX –	MAXIMUM
MIN –	MINIMUM
MJ –	MECHANICAL JOINT
(N) –	NEW
NIC –	NOT IN CONTRACT
NO. –	NUMBER
P℄ –	PIPELINE CENTERLINE
PE –	PLAIN END
PL –	PROPERTY LINE
POJ –	PUSH ON JOINT
PP –	POWER POLE
PW –	POTABLE WATER
PVC –	POLY VINYL CHLORIDE
R –	RADIUS
RD –	ROAD
RIM –	RIM ELEVATION
SD –	STORM DRAIN
SDMH –	STORM DRAIN MANHOLE
SSMH –	SEWER MANHOLE
STL –	STEEL
SVC –	WATER SERVICE
TC –	TOP OF CURB
TCMP –	TOP OF CORRUGATED METAL PIPE
TYP –	TYPICAL
UE–	UNDERGROUND ELECTRICAL
UG–	UNDERGROUND GAS
UNK–	UNKNOWN
UT–	UNDERGROUND TELEPHONE/FIBER
W –	WATER MAIN
W/–	WITH
WS –	WATER SERVICE
WSC –	WELDED STEEL CONDUIT
WV –	WATER VALVE

REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

SCALE: N.T.S.

WARNING 0 1/2 1 — IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

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CITY OF ROSEVILLE CALIFORNIA
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ROSEVILLE, CA 95747 PHONE: 916-774-5750

REGISTERED PROFESSIONAL ENGINEER THOMAS M. [illegible] NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

ABBREVIATIONS AND GENERAL NOTES

DWG. NO. G2
SHEET 2 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - G SHEETS.DWG
20201013.115809

SURVEY:

44. AERIAL MAPPING PROVIDED BY VERTICAL MAPPING RESOURCES, RENO NV. AERIAL FLOWN ON MAY 22, 2020.

45. GROUND SURVEY PROVIDED BY ALAN DIVERS, PLS, PLACERVILLE CA. UTILIZING NAVD 88. SURVEY COMPLETED JUNE 15, 2020. SURVEY UTILIZES CITY BM 85 3 ¼" BRASS DISK STAMPED 2018 PLS 8278, DRY CREEK AT DARLING WAY, NORTHEAST CORNER OF INTERSECTION, BACK OF SIDEWALK AT EAST END OF CURB RETURN. BASIS OF BEARINGS, NAD83, CSDS RTN.

46. THE CAD FILES FOR THIS PLAN SET UTILIZE DATUM CALIFORNIA ZONE II, US FT.

47. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS, OTHER SURVEY MARKERS, STREET SIGNS AND OTHER IMPORTANT OBJECTS ON THE JOB SITE.

TRAFFIC CONTROL NOTES:

48. THE CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLANS THAT MUST BE APPROVED BY ENGINEERING DIVISION OF PUBLIC WORKS BEFORE START OF WORK IN RIGHT-OF-WAY AND SHALL BE IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE CA MUTCD WITH ALL APPLICABLE CALIFORNIA SUPPLEMENTS & AMENDMENTS.

49. AT LEAST ONE LANE IN EACH DIRECTION SHALL REMAIN OPEN TO TRAFFIC UNLESS OTHERWISE SHOWN ON THE PLANS OR APPROVED IN WRITING FROM THE CITY REPRESENTATIVE.

50. TRAFFIC CONTROL HOURS ARE SUBJECT TO LIMITATION BY THE CITY. TRAFFIC CONTROL WITH LANE CLOSURES THAT AFFECT TRAFFIC FLOW MAY REQUIRE NIGHT WORK. IF, AS A PART OF TRAFFIC CONTROL MEASURES, A ROADWAY CLOSURE HAS BEEN APPROVED, THE CONTRACTOR SHALL NOTIFY DEVELOPMENT SERVICES CONSTRUCTION INSPECTOR 72 HOURS IN ADVANCE OF SETTING UP THIS CLOSURE.

51. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGGERS OR OTHER DEVICES NECESSARY AND/OR REQUIRED TO PROVIDE FOR SAFETY. DOUGLAS BLVD IS CONSIDERED A MAJOR ROAD AND WILL REQUIRE ADDITIONAL TRAFFIC CONTROL MEASURES SUCH AS CHANGEABLE MESSAGE SIGNS.

CORROSION PROTECTION SYSTEM NOTES:

52. A CORROSION STUDY WAS CONDUCTED AS PART OF THE DESIGN OF THE PROJECT. CORROSION PROTECTION MEASURES MUST BE INCLUDED WITH THE CONSTRUCTION PER THE CITY OF ROSEVILLE CONSTRUCTION STANDARDS SECTION 81-DOMESTIC WATER SUPPLY SYSTEM CONSTRUCTION.

    APPROXIMATE LOCATIONS OF TEST STATIONS ARE INCLUDED ON THE PLANS. FINAL LOCATIONS ARE DEPENDENT ON THE FINAL LENGTH OF DUCTILE IRON PIPELINE DETERMINED FOLLOWING POTHOLING OF EXISTING UTILITIES.

    CORROSION PROTECTION SYSTEM TESTING – AT THE COMPLETION OF THE PIPE INSTALLATION AND PRIOR TO ANY CURB AND GUTTER INSTALLATION, THE CONTRACTOR SHALL PROVIDE A THIRD-PARTY CORROSION PROTECTION CONSULTANT TO CONDUCT A TEST OF THE CORROSION MONITORING SYSTEM IN THE PRESENCE OF THE CONSTRUCTION INSPECTOR. A REPORT SHOWING THE TEST RESULTS SHALL BE SUBMITTED TO THE ENVIRONMENTAL UTILITIES DEPARTMENT FOR REVIEW AND APPROVAL. THE REPORT SHALL INCLUDE TEST STATION LOCATIONS AS CALLED OUT ON THE APPROVED PLANS, APPURTENANCE TESTED, TEST RESULT, AND RECOMMENDATIONS FOR FUTURE MONITORING AND MAINTENANCE.

53. THE TEST STATION SHOWN ARE IN THEIR APPROXIMATE LOCATION AND SUBJECT TO CHANGE BASED ON FINAL ALIGNMENTS. TEST STATIONS ARE TO BE INSTALLED IN ACCORDANCE TO CITY STANDARDS. FINAL TEST STATION LOCATIONS ARE TO BE COORDINATED WITH THE CITY INSPECTOR

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - G SHEETS.DWG

20201013.115809

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SCALE: N.T.S.

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0 1/2 1
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DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

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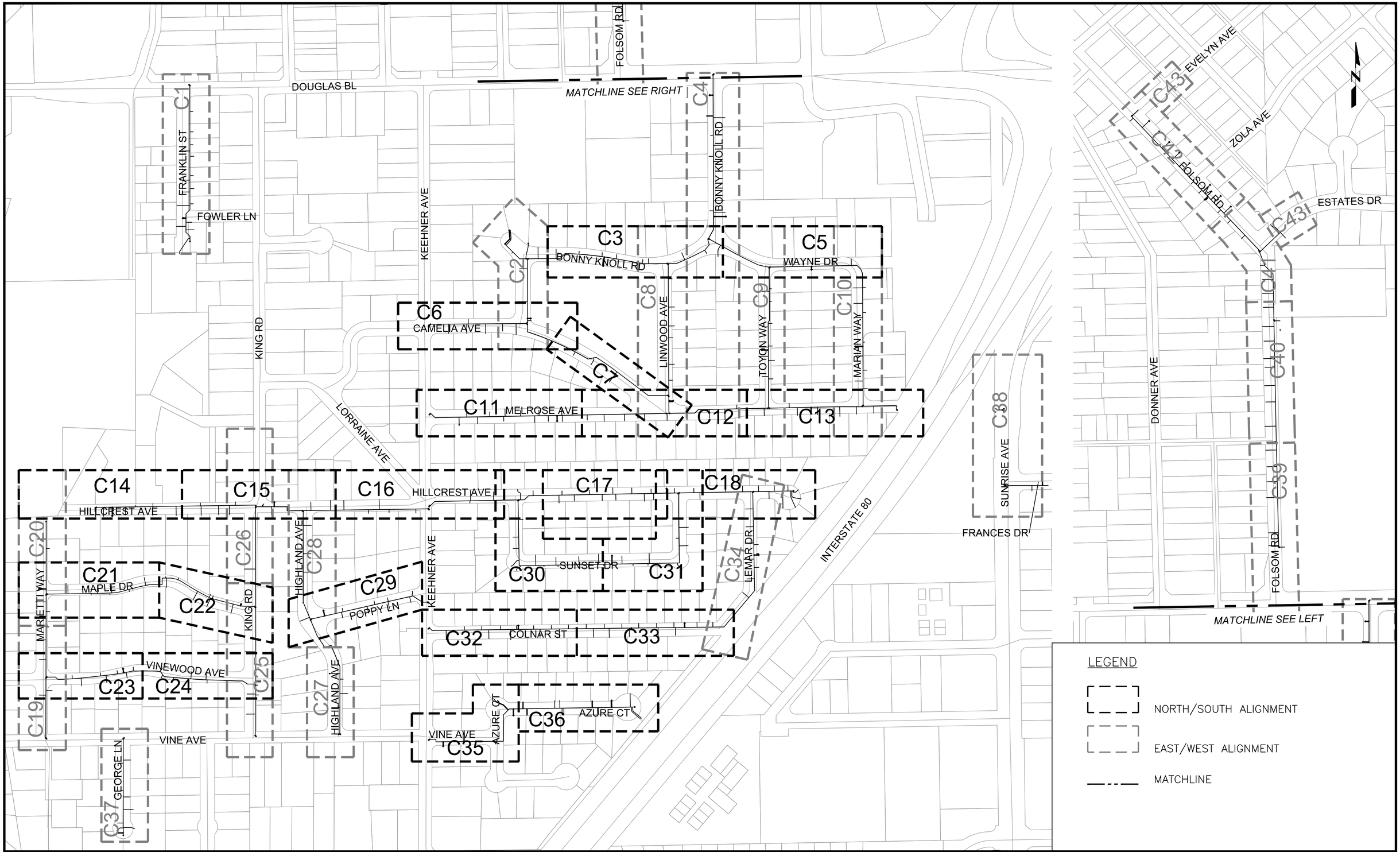
REGISTERED PROFESSIONAL ENGINEER
JAMES M. [illegible]
NO. C68171
Exp. 9/30/21
CIVIL
STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

GENERAL NOTES 2

DWG. NO. G3

SHEET 3 OF 58



Z:\CITY OF ROSEVILLE\IRSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\IRSVL-001 HILLC

20201013.115809

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REV	DATE	BY	DESCRIPTION

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REGISTERED PROFESSIONAL ENGINEER — THOMAS M. LUTH — NO. C68171 Exp. 9/30/21 — CIVIL — STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

PROJECT ALIGNMENT SHEET KEY

DWG. NO. G4

SHEET 4 OF 58

WATER SERVICE CONNECTION TABLE

ADDRESS	STREET	SERVICE TYPE	EXISTING METER LOCATION	RELOCATE EXITSING METER	NEW INTRACT DIAMETER	NEW INTRACT LENGTH	NOTE
1001	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1005	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1007	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1008	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1009	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1010	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1011	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1012	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1013	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1014	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1015	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1016	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1017	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1018	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1019	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1020	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1021	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1023	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1025	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
105	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
106	BONNY KNOLL RD	COMMERCIAL	LANDSCAPE	NO	N/A	N/A	PROPERTY HAS METER FOR 1078 DOUGLAS
107	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
108	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
109	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
111	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
200	BONNY KNOLL RD	RESIDENTIAL	N/A	N/A	N/A	N/A	NO METER. PROPERTY SHARED WITH 108 BONNY KNOLL
202	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
204	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
205	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
206	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
208	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
210	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
212	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
214	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
216	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
218	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
220	BONNY KNOLL RD	RESIDENTIAL	CONCRETE	YES	1"	<10'	RELOCATE METER FROM SIDEWALK TO LAWN
222	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
224	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
226	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
227	BONNY KNOLL RD	IRRIGATION	LANDSCAPE	NO	N/A	N/A	
1000	CAMELIA AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1002	CAMELIA AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1003	CAMELIA AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1004	CAMELIA AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1005	CAMELIA AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1006	CAMELIA AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1008	CAMELIA AV	RESIDENTIAL	CONCRETE	NO	N/A	N/A	
1010	CAMELIA AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1012	CAMELIA AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1014	CAMELIA AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1015	CAMELIA AV	COMMERCIAL	LANDSCAPE	NO	N/A	N/A	THE PARK. METER AT SOUTHWEST CORNER
1003	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1004	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1005	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1006	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1007	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1009	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1010	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1011	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1012	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1013	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1014	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1015	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1016	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1017	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1018	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1019	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1020	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1021	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1022	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1023	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1024	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1025	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	

ADDRESS	STREET	SERVICE TYPE	EXISTING METER LOCATION	RELOCATE EXITSING METER	NEW INTRACT DIAMETER	NEW INTRACT LENGTH	NOTE
1026	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1027	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1029	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1031	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1078	DOUGLAS BL	COMMERCIAL	LANDSCAPE	NO	N/A	N/A	METER IS ON 106 BONNY KNOLL RD
1080	DOUGLAS BL	COMMERCIAL	LANDSCAPE	NO	N/A	N/A	METER/SERVICE ARE ON BONNEY KNOLL RD
1100	DOUGLAS BL	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
97	ESTATES DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
210	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
214	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
215	FOLSOM RD	RESIDENTIAL	N/A	NO	N/A	N/A	STUB SERVICE TO CORP STOP/SIDEWALK, NO METER.
217	FOLSOM RD	RESIDENTIAL	N/A	NO	N/A	N/A	STUB SERVICE TO CORP STOP/SIDEWALK, NO METER.
219	FOLSOM RD	RESIDENTIAL	N/A	NO	N/A	N/A	STUB SERVICE TO CORP STOP/SIDEWALK, NO METER.
221	FOLSOM RD	RESIDENTIAL	N/A	NO	N/A	N/A	STUB SERVICE TO CORP STOP/SIDEWALK, NO METER.
223	FOLSOM RD	RESIDENTIAL	N/A	NO	N/A	N/A	STUB SERVICE TO CORP STOP/SIDEWALK, NO METER.
234	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
239	FOLSOM RD	RESIDENTIAL	N/A	NO	N/A	N/A	STUB SERVICE TO CORP STOP/SIDEWALK, NO METER.
240	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
243	FOLSOM RD	RESIDENTIAL	N/A	NO	N/A	N/A	STUB SERVICE TO CORP STOP/SIDEWALK, NO METER.
244	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
247	FOLSOM RD	RESIDENTIAL	N/A	NO	N/A	N/A	STUB SERVICE TO CORP STOP/SIDEWALK, NO METER.
248	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
252	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
272	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
274	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
276	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
278	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
282	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
286	FOLSOM RD	COMMERCIAL	LANDSCAPE	NO	N/A	N/A	
306	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
308	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
310	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
312	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
314	FOLSOM RD	COMMERCIAL	LANDSCAPE	NO	N/A	N/A	
400	FOLSOM RD	COMMERCIAL	LANDSCAPE	NO	N/A	N/A	
404	FOLSOM RD	COMMERCIAL	LANDSCAPE	NO	N/A	N/A	
408	FOLSOM RD	COMMERCIAL	LANDSCAPE	NO	N/A	N/A	
420	FOLSOM RD	COMMERCIAL	LANDSCAPE	NO	N/A	N/A	THIS ADDRESS IS ON TWO PARCELS
424	FOLSOM RD	COMMERCIAL	LANDSCAPE	NO	N/A	N/A	
426	FOLSOM RD	COMMERCIAL	LANDSCAPE	NO	N/A	N/A	
100	FOWLER LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
106	FOWLER LN	RESIDENTIAL	N/A	NO	N/A	N/A	CONNECT TO EXISTING SERVICE IN FOWLER PRIOR TO METER
1200	FRANCES DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
105	FRANKLIN ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
107	FRANKLIN ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
109	FRANKLIN ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
110	FRANKLIN ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
111	FRANKLIN ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
112	FRANKLIN ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
113	FRANKLIN ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
114	FRANKLIN ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
115	FRANKLIN ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
116	FRANKLIN ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
120	FRANKLIN ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
122	FRANKLIN ST	N/A	N/A	N/A	N/A	N/A	PARKING LOT. NO METER
125	FRANKLIN ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
601	GEORGE LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
602	GEORGE LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
603	GEORGE LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
607	GEORGE LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
610	GEORGE LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
611	GEORGE LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
614	GEORGE LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
400	HIGHLAND AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
401	HIGHLAND AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
405	HIGHLAND AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
406	HIGHLAND AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
407	HIGHLAND AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
411	HIGHLAND AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	

ADDRESS	STREET	SERVICE TYPE	EXISTING METER LOCATION	RELOCATE EXITSING METER	NEW INTRACT DIAMETER	NEW INTRACT LENGTH	NOTE
500	HIGHLAND AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
501	HIGHLAND AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
504	HIGHLAND AV	RESIDENTIAL	ASPHALT	NO	N/A	N/A	
505	HIGHLAND AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
506	HIGHLAND AV	RESIDENTIAL	LANDSCAPE	YES	2"	150'-200'	INSTALL NEW SERVICE, RELOCATE BACKYARD METER, INSTALL NEW INTRACT.
509	HIGHLAND AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
510	HIGHLAND AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
704	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
705	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
706	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
707	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
708	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
709	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
710	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
712	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
905	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
907	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
909	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
910	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
911	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
912	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1002	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1003	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1005	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1006	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1007	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1008	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1009	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1010	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1011	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1012	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1013	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1014	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1015	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1016	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1017	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1018	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1019	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1020	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1021	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1022	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1023	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1101	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1102	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1103	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1104	HILLCREST AV	RESIDENTIAL	CONCRETE	NO	N/A	N/A	
1105	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1106	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1107	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1109	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1111	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
910B	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
402	KEEHNER AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
406	KEEHNER AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
509	KEEHNER AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
328	KING RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
400	KING RD	RESIDENTIAL	CONCRETE	NO	N/A	N/A	Property has two meters/boxes
406	KING RD	RESIDENTIAL	ASPHALT	NO	N/A	N/A	
411	KING RD	RESIDENTIAL	ASPHALT	NO	N/A	N/A	
504	KING RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
507	KING RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
508	KING RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
512	KING RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
400	LEMAR DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
401	LEMAR DR	RESIDENTIAL	CONCRETE	NO	N/A	N/A	
402	LEMAR DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
404	LEMAR DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
405	LEMAR DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
406	LEMAR DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
407	LEMAR DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
408	LEMAR DR	RESIDENTIAL	CONCRETE	NO	N/A	N/A	
410	LEMAR DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
301	LINWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
303	LINWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HI

20201013.115809

REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION
REV	DATE	BY	DESCRIPTION

SCALE: N.T.S.

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

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2005 HILLTOP CIRCLE
ROSEVILLE, CA 95747 PHONE: 916-774-5750

REGISTERED PROFESSIONAL ENGINEER
THOMAS M. DUGAN
NO. C68171
Exp. 9/30/21
CIVIL
STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

WATER SERVICE CONNECTION TABLE 1

DWG. NO. G5

SHEET 5 OF 58

WATER SERVICE CONNECTION TABLE CONT'D

ADDRESS	STREET	SERVICE TYPE	EXISTING METER LOCATION	RELOCATE EXITSING METER	NEW INTRACT DIAMETER	NEW INTRACT LENGTH	NOTE
305	LINWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
307	LINWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
309	LINWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
311	LINWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
700	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
701	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
702	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
703	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
704	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
705	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
706	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
707	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
708	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
709	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
710	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
711	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
712	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
713	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
714	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
715	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
300	MARIAN WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
301	MARIAN WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
302	MARIAN WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
304	MARIAN WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
306	MARIAN WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
307	MARIAN WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
308	MARIAN WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
309	MARIAN WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
310	MARIAN WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
311	MARIAN WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
313	MARIAN WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
400	MARIETTI WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
401	MARIETTI WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
403	MARIETTI WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
404	MARIETTI WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
500	MARIETTI WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
502	MARIETTI WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
503	MARIETTI WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
504	MARIETTI WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
506	MARIETTI WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
508	MARIETTI WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
509	MARIETTI WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1002	MELROSE AV	RESIDENTIAL	LANDSCAPE	YES	1"	<50'	RELOCATE METER TO AVOID TREE ROOTS. MAY REQUIRE RE-ROUTING INTRACT LINE.
1003	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1004	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1005	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1006	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1007	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1008	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1009	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1010	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1011	MELROSE AV	RESIDENTIAL	CONCRETE	NO	N/A	N/A	
1012	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1013	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1014	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1015	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1016	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1017	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1018	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1020	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1022	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1023	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1024	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1026	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1100	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1102	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1103	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1104	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1106	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1107	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1108	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1110	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1111	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1112	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1114	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1116	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1118	MELROSE AV	N/A	N/A	N/A	N/A	N/A	VACANT LOT. NO METER
905	POPPY LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
908	POPPY LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
911	POPPY LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
912	POPPY LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
916	POPPY LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
402	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
404	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
406	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
408	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1008	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1009	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1010	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1011	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1012	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1013	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1014	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1015	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1016	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1017	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1018	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1019	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1020	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1021	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1022	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1026	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1028	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
310	SUTTER AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
300	TOYON WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
301	TOYON WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
302	TOYON WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
305	TOYON WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
306	TOYON WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
307	TOYON WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
308	TOYON WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
309	TOYON WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
310	TOYON WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
311	TOYON WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
701	VINEWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
702	VINEWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
703	VINEWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
704	VINEWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
705	VINEWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
706	VINEWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
707	VINEWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
708	VINEWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
709	VINEWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
710	VINEWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
711	VINEWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
712	VINEWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
713	VINEWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1100	WAYNE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1104	WAYNE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1111	WAYNE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1115	WAYNE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1117	WAYNE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1121	WAYNE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1123	WAYNE DR	N/A	N/A	N/A	N/A	N/A	VACANT LOT. NO METER

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - G SHEETS.DWG

20201013.115809

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	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION
REV	DATE	BY	DESCRIPTION

SCALE: N.T.S.

WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

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5180 Golden Foothill Parkway Ste. 220
El Dorado Hills, CA 95762
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CITY OF ROSEVILLE CALIFORNIA
2005 HILLTOP CIRCLE
ROSEVILLE, CA 95747 PHONE: 916-774-5750

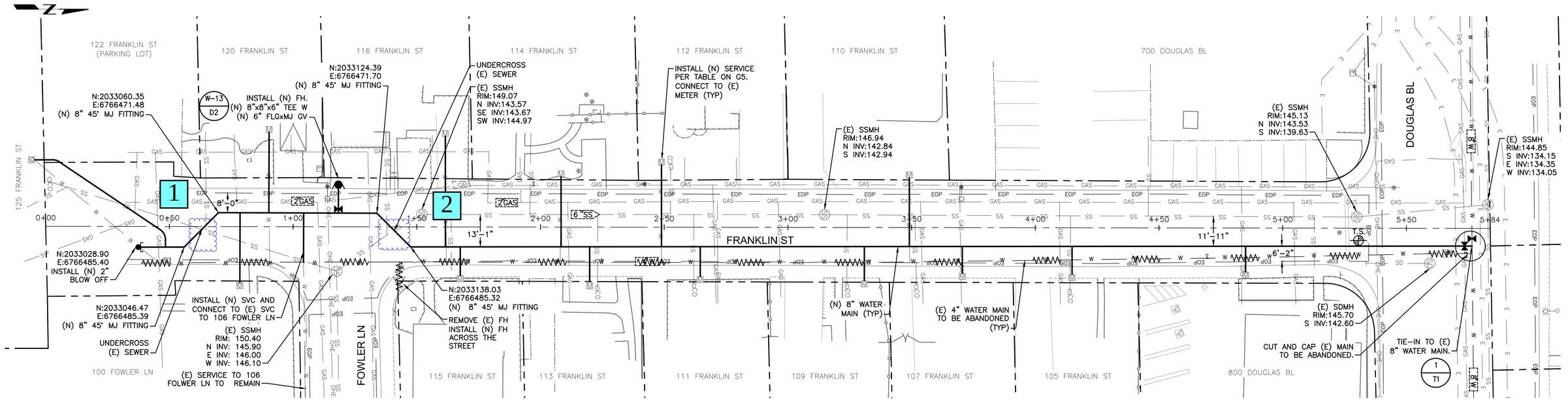
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DOMENICHELLI NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

WATER SERVICE CONNECTION TABLE 2

DWG. NO. G6

SHEET 6 OF 58



FRANKLIN ST

DDW WAIVER NOTES:
CONTRACTOR IS MADE AWARE THE PROJECT HAS RECEIVED A WAIVER FROM THE STATE WATER RESOURCES CONTROL BOARD DIVISION OF DRINKING WATER (DDW). CONTRACTOR MUST REVIEW THE WAIVER AND ALL ASSOCIATED REQUIREMENTS INCLUDED WITHIN THE SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL POTHOLING NECESSARY TO CONFIRM THE HORIZONTAL AND VERTICAL DISTANCES BETWEEN THE NEW WATER PIPELINE AND THE EXISTING STORM DRAIN AND SEWER FACILITIES. CONTRACTOR IS RESPONSIBLE TO PROVIDE DOCUMENTATION AT ALL DDW WAIVER LOCATIONS INCLUDING PHOTOGRAPHS AND MEASUREMENTS REQUIRED TO DEMONSTRATE COMPLIANCE WITH THE APPROVED WAIVER (SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION). SEE NOTES BELOW RELATED TO WAIVER LOCATIONS IDENTIFIED BASED ON UTILITY INFORMATION GATHERED DURING DESIGN. ALL LOCATIONS MUST BE FIELD VERIFIED BY THE CONTRACTOR.

CR – SEWER AND/OR STORM DRAIN CROSSING IDENTIFIED IN DDW WAIVER. SEE APPROVED WAIVER AND ASSOCIATED TABLES FOR SPECIFIC LOCATION IDENTIFICATION (NUMBER). CROSSING MUST MEET THE REQUIREMENTS OF THE DDW WAIVER AND DETAIL 1/D4 – CROSSING UTILITIES DETAILS.

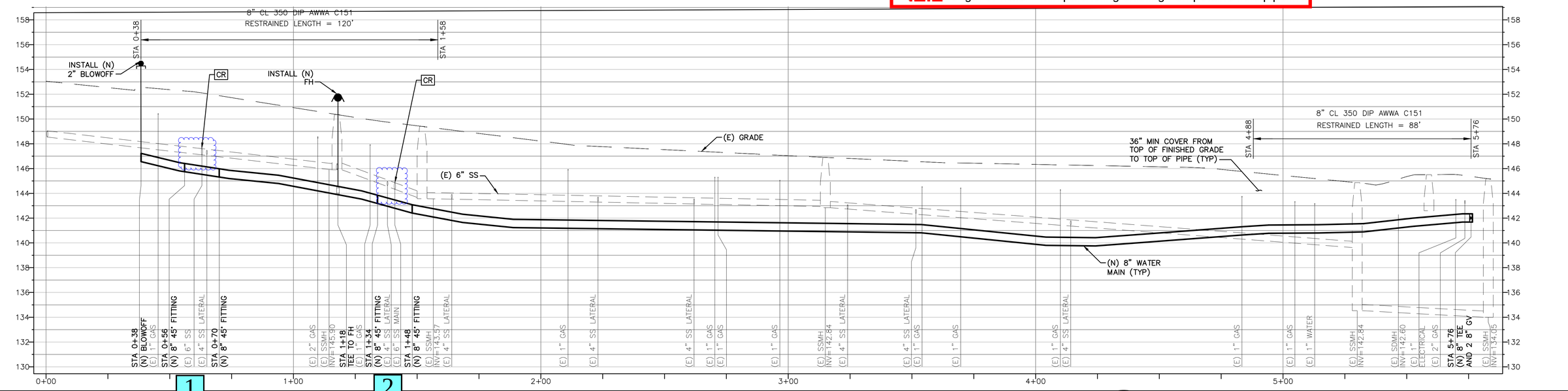
PR1 – SECTION OF PIPELINE DOES NOT MEET MINIMUM HORIZONTAL SPACING REQUIREMENTS FROM EXISTING NON-POTABLE UTILITY. PUSH-ON-JOINTS RESTRAINED JOINTS REQUIRED ALONG THIS SECTION OF PIPELINE. SEE DETAIL 2/D4 TO CONFIRM ALLOWABLE JOINTS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING DIVISION OF DRINKING WATER WAIVER AND DOCUMENTATION REQUIREMENTS.

PR2 – SECTION OF PIPELINE DOES NOT MEET MINIMUM HORIZONTAL SPACING REQUIREMENTS FROM EXISTING NON-POTABLE UTILITY. MECHANICAL JOINTS RESTRAINED JOINTS REQUIRED ALONG THIS SECTION OF PIPELINE. SEE DETAIL 2/D4 TO CONFIRM ALLOWABLE JOINTS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING DIVISION OF DRINKING WATER WAIVER AND DOCUMENTATION REQUIREMENTS.

GENERAL NOTES
1. ALL WORK TO ABANDON AND CAP MAINS OR REMOVE OR ABANDON FH ON PLANS, MUST NOT BEGIN UNTIL NEW WATER MAIN IS TESTED, CONNECTED, AND OPERATIONAL, UNLESS OTHERWISE NOTED.
2. ALL WATER LINE FITTINGS MUST BE RESTRAINED BY DEVICES AND/OR THRUST BLOCKS. REFER TO CITY OF ROSEVILLE STANDARDS.
3. JOINT DEFLECTION NOTE – CONTRACTOR IS MADE AWARE THAT PLANS AND PROFILES WERE DEVELOPED USING DIP ALLOWABLE JOINT DEFLECTIONS. CONTRACTOR IS RESPONSIBLE TO DETERMINE ANY ADDITIONAL FITTINGS REQUIRED FOR THE USE OF PVC PIPE. ALL FITTINGS MUST BE INCLUDED WITH THE GUARANTEED MAXIMUM PRICE. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING CITY AND MANUFACTURER STANDARDS FOR ALL JOINT DEFLECTIONS (WHICHEVER IS MORE CONSERVATIVE).

Legend for Full Plan Set:

- # Water main crossing existing non-potable fluid pipeline
- # Water main paralleling existing non-potable fluid pipeline
- Length of water main paralleling existing non-potable fluid pipeline



REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

SCALE: HORZ 1"=20' VERT 1"=4'

WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

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5180 Golden Foothill Parkway Ste. 220 El Dorado Hills, CA 95762
Ph: (916) 933-1997 Fax: (916) 933-4778

CITY OF ROSEVILLE CALIFORNIA
2005 HILLTOP CIRCLE ROSEVILLE, CA 95747 PHONE: 916-774-5750

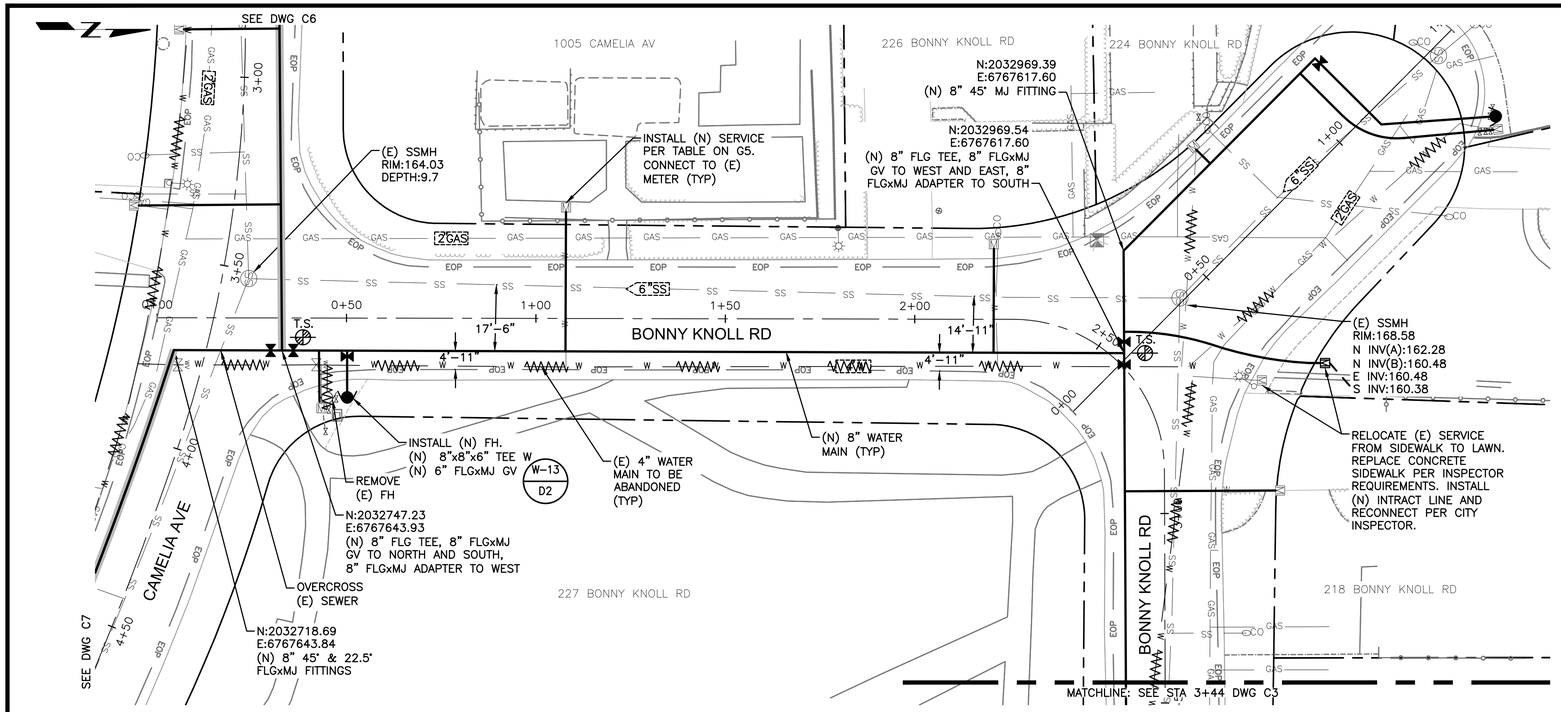
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 STATE OF CALIFORNIA CIVIL

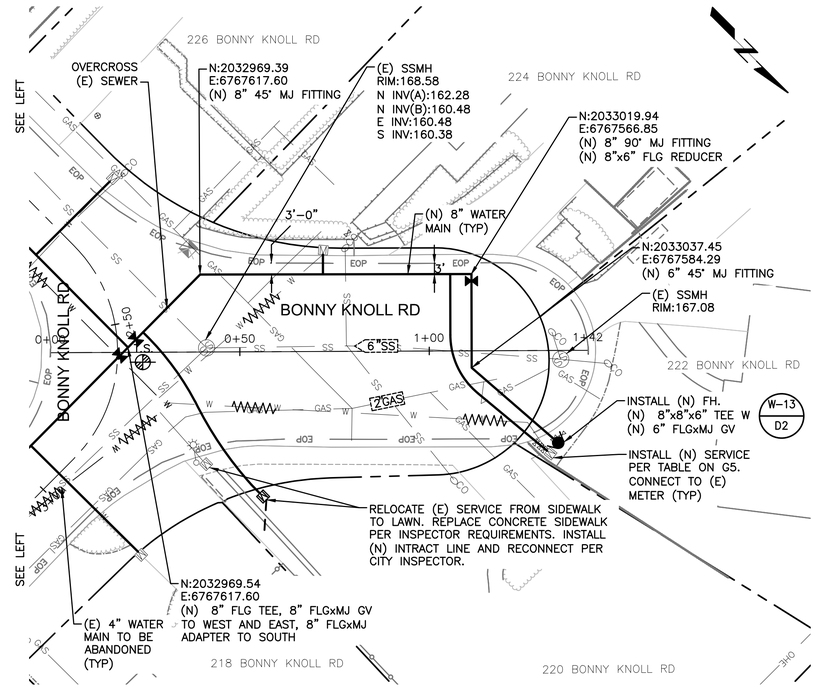
DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

FRANKLIN ST PLAN AND PROFILE
STA 0+00 TO 5+84

DWG. NO. C1
SHEET 7 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636





BONNY KNOLL RD

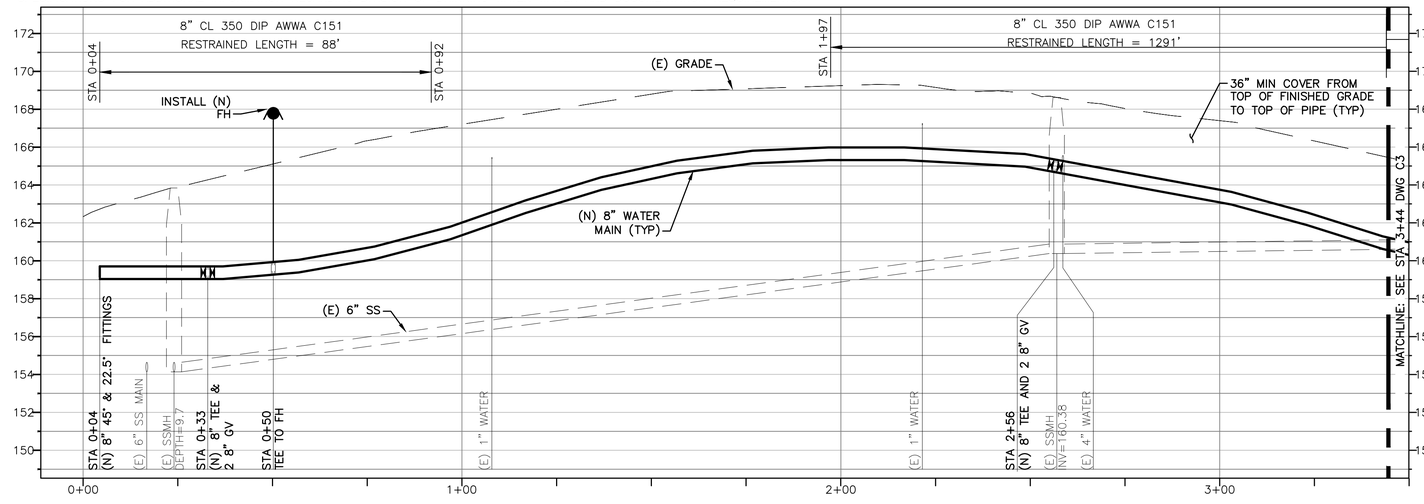
DDW WAIVER NOTES:
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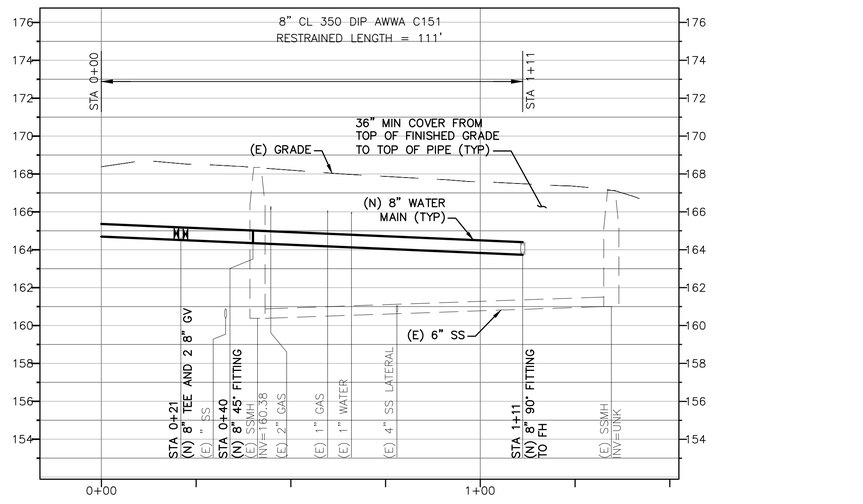
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	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION
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DESIGNED T. DUGAN
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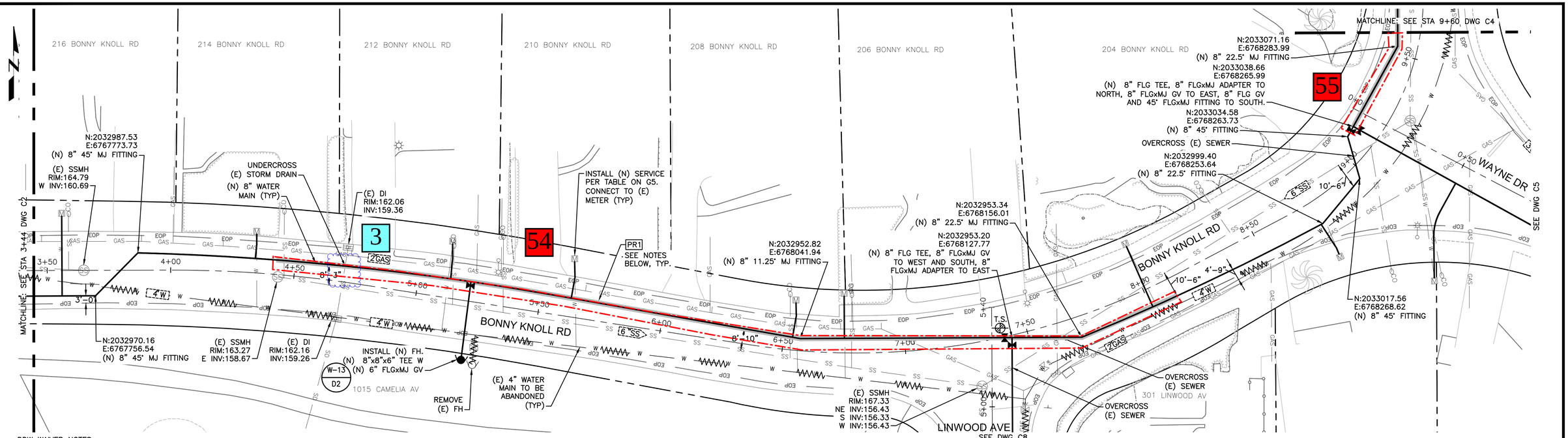
REGISTERED PROFESSIONAL ENGINEER – THOMAS M. DEER – NO. C68171 Exp. 9/30/21 – CIVIL – STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

BONNY KNOLL RD PLAN AND PROFILE
STA 0+00 TO 3+44 / STA 0+00 TO 1+42

DWG. NO. C2
SHEET 8 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



BONNY KNOLL RD

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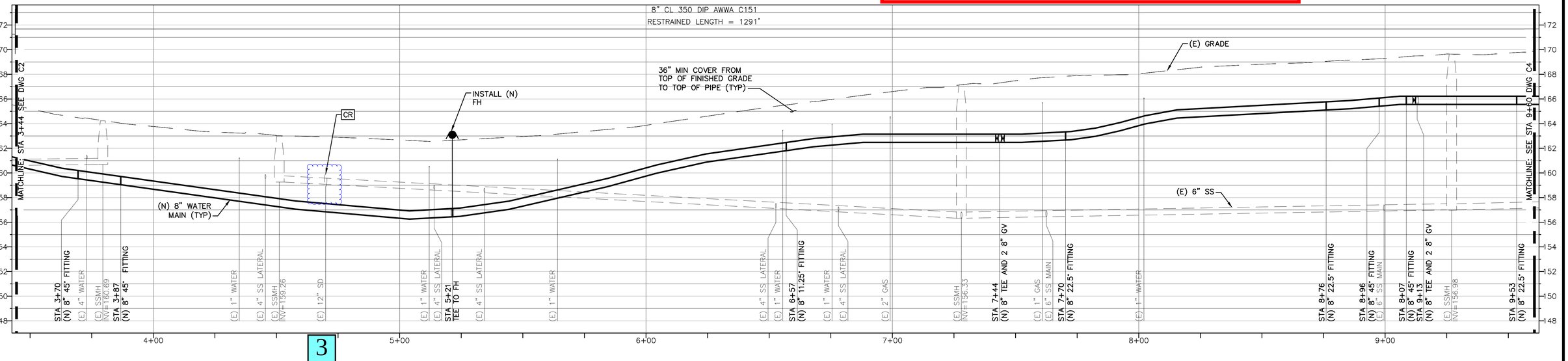
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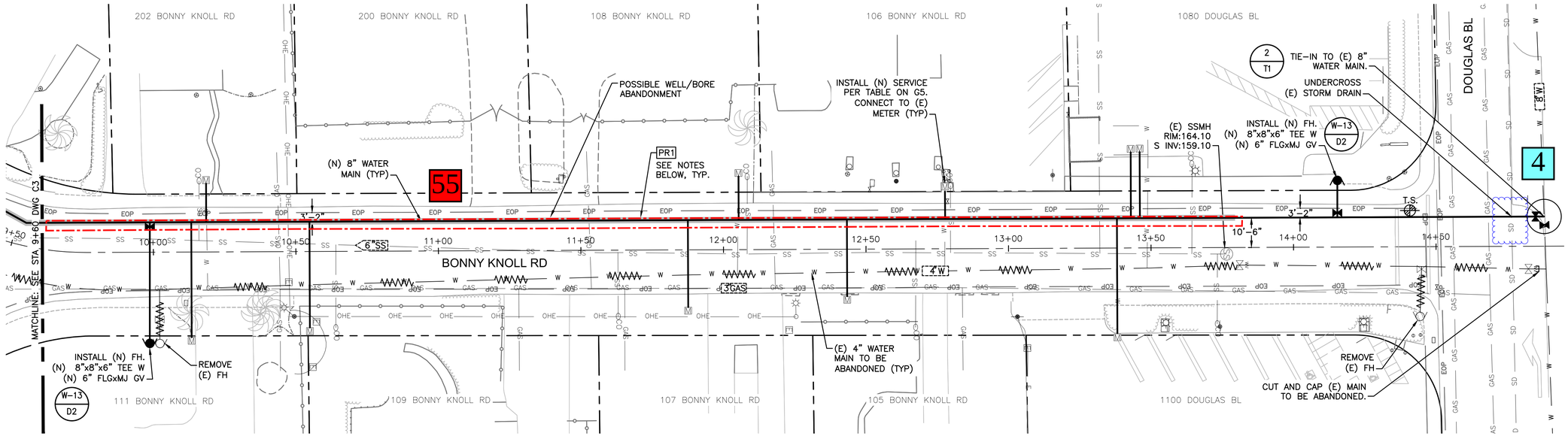
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

BONNY KNOLL RD PLAN AND PROFILE
STA 3+44 TO 9+60

DWG. NO. C3
SHEET 9 OF 58

Z:\CITY OF ROSEVILLE\IRSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
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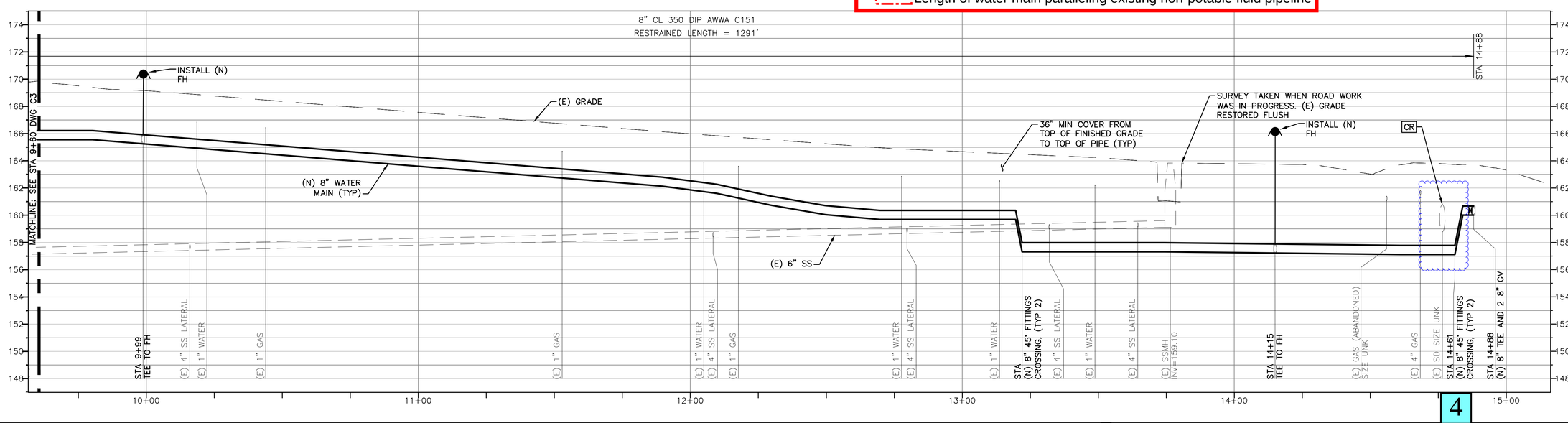
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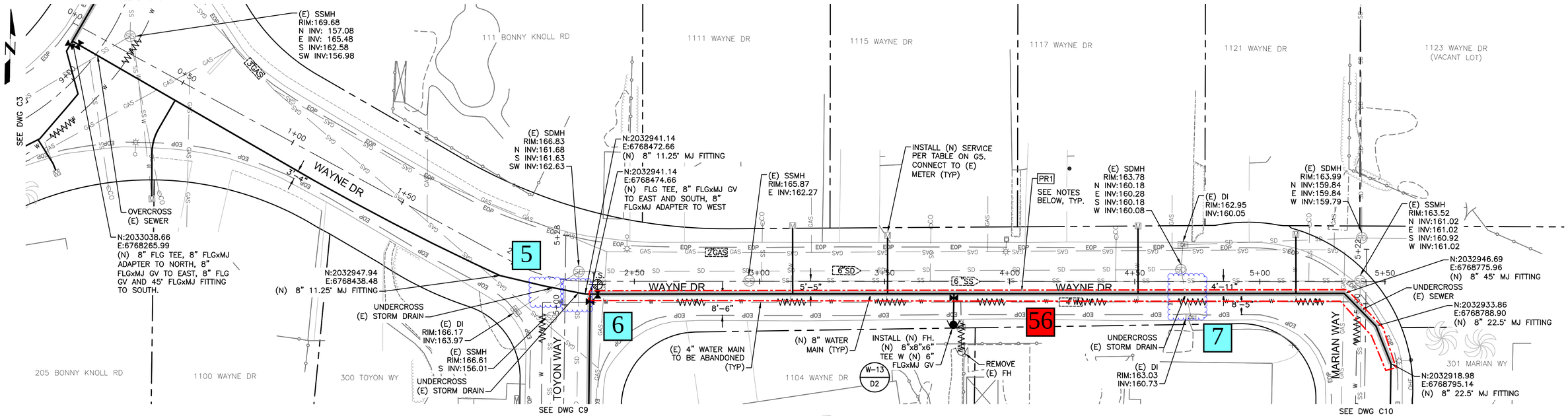
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

BONNY KNOLL RD PLAN AND PROFILE
STA 9+60 TO 15+14

DWG. NO. C4
SHEET 10 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



WAYNE DR

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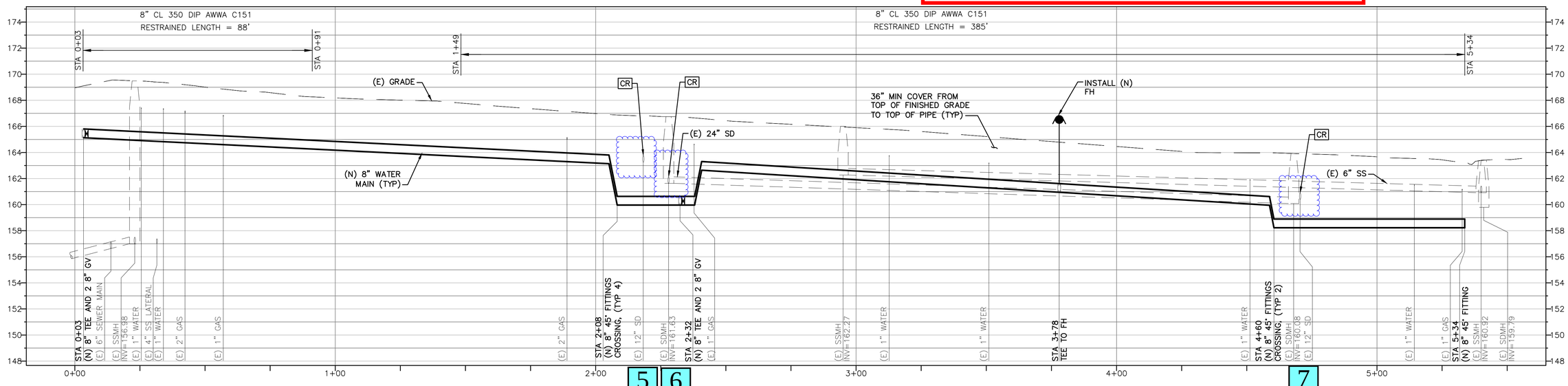
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5 6 7

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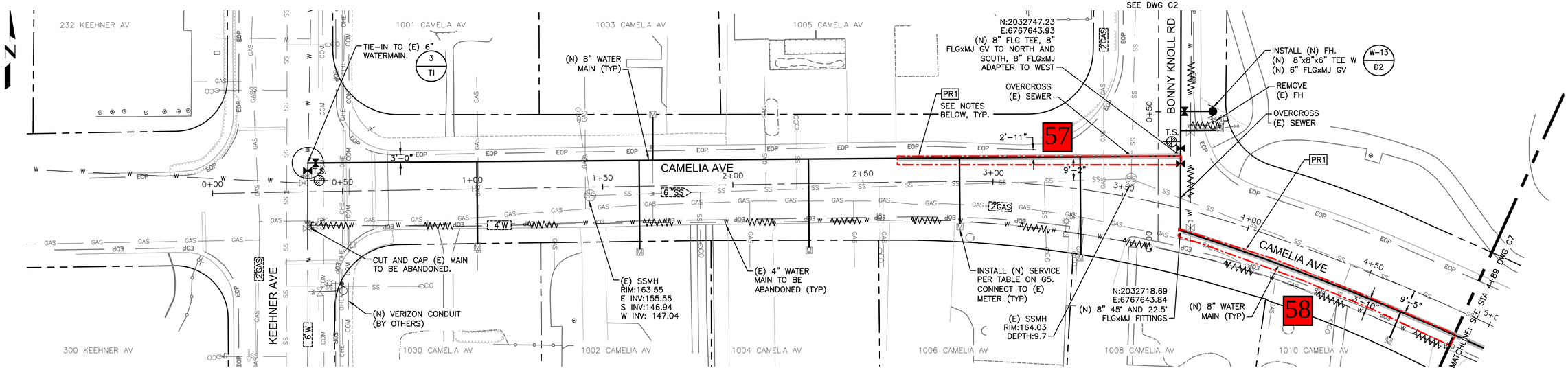
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DOMENICHELLI NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
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WAYNE DR PLAN AND PROFILE
STA 0+00 TO 5+50

DWG. NO. C5
SHEET 11 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



CAMELIA AVE

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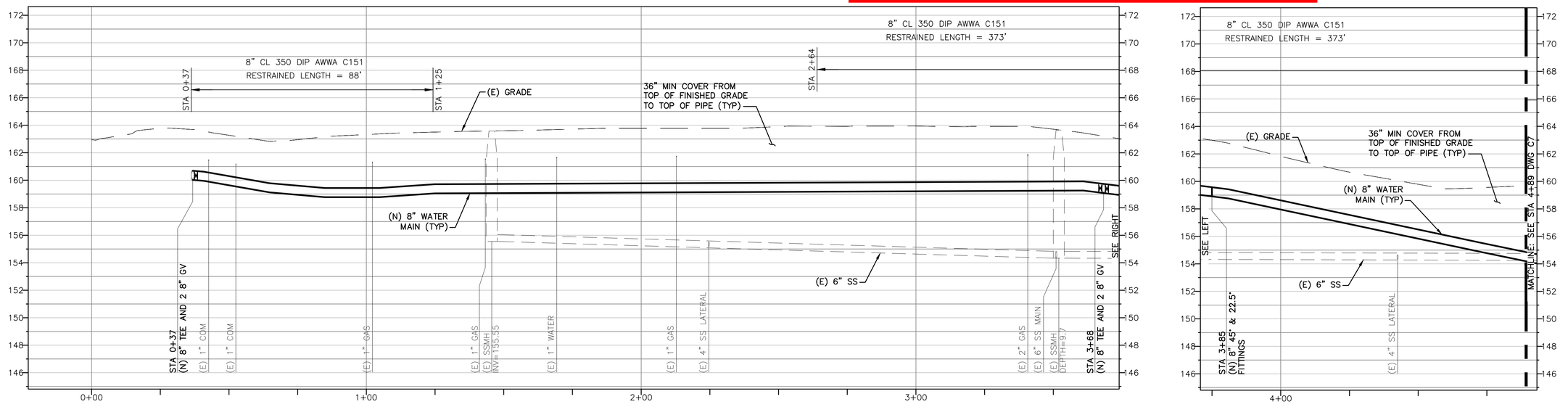
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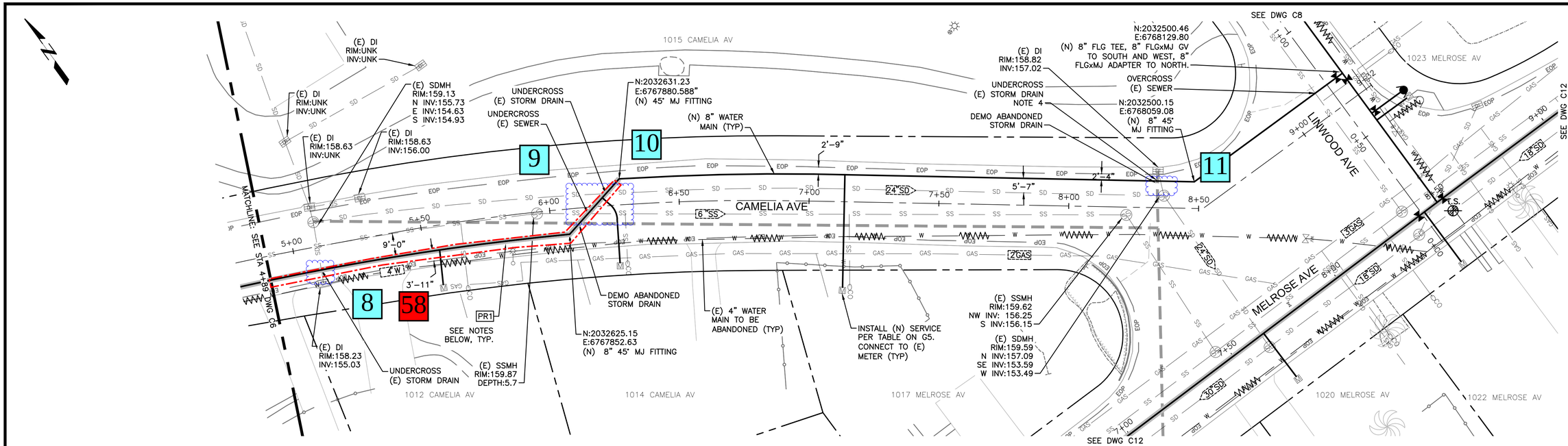
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DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

CAMELIA AVE PLAN AND PROFILE
STA 0+00 TO 4+89

DWG. NO. C6
SHEET 12 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
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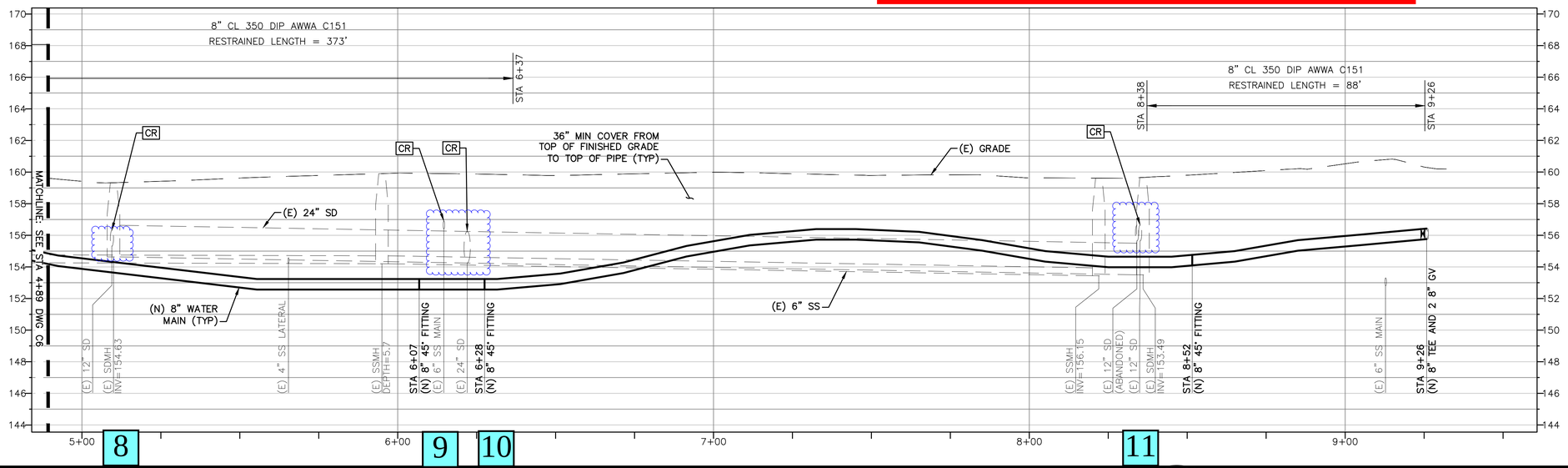
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4. CDF BACKFILL FOR THIS STORM DRAIN LATERAL CROSSING IS REQUIRED AROUND THE EXISTING STORM DRAIN PIPE AND WATER PIPE FOR THE FULL EXTENT OF THE

Legend for Full Plan Set:

[#] Water main crossing existing non-potable fluid pipeline

[#] Water main paralleling existing non-potable fluid pipeline

Length of water main paralleling existing non-potable fluid pipeline



REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

SCALE: HORZ 1"=20' VERT 1"=4'

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CHECKED S. ROGERS

DOMENICHELLI & ASSOCIATES
5180 Golden Foothill Parkway Ste. 220
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Ph: (916) 933-1997
Fax: (916) 933-4778

CITY OF ROSEVILLE CALIFORNIA
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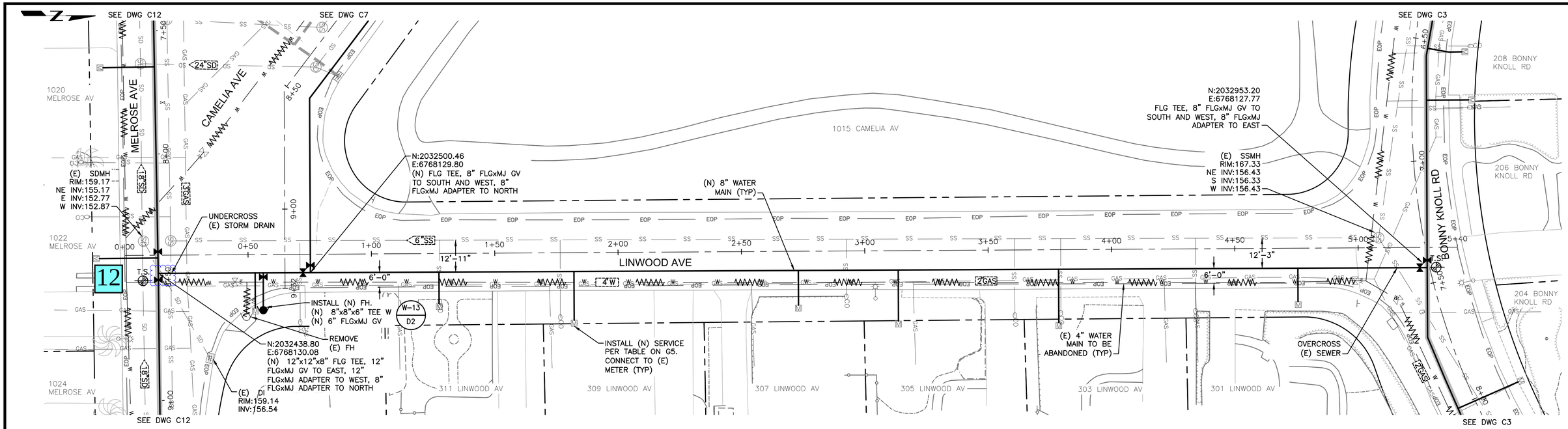
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

CAMELIA AVE PLAN AND PROFILE
STA 4+89 TO 9+58

DWG. NO. C7
SHEET 13 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



LINWOOD AVE

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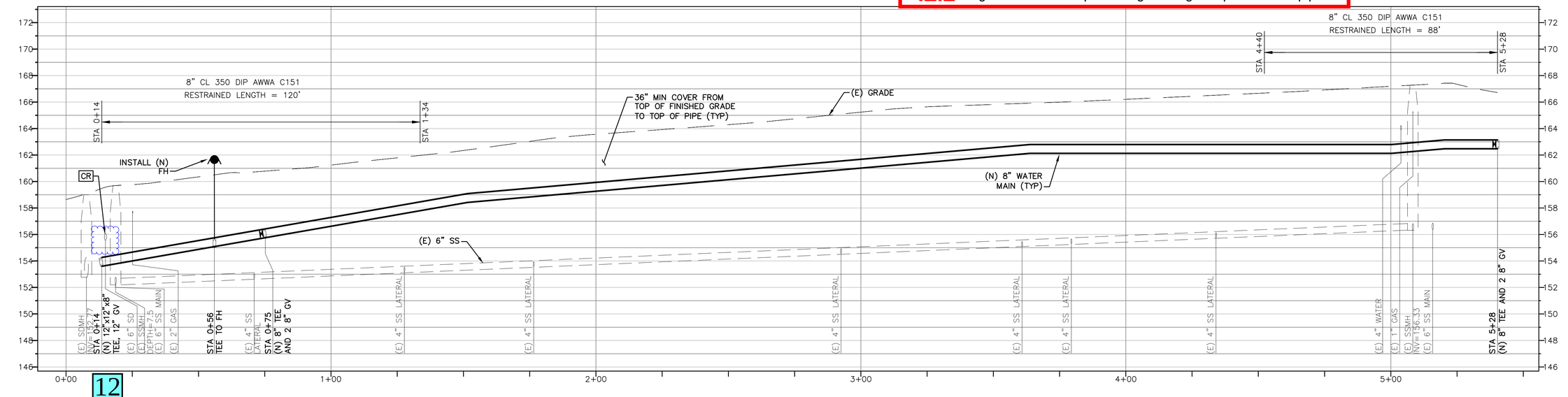
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Legend for Full Plan Set:

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12

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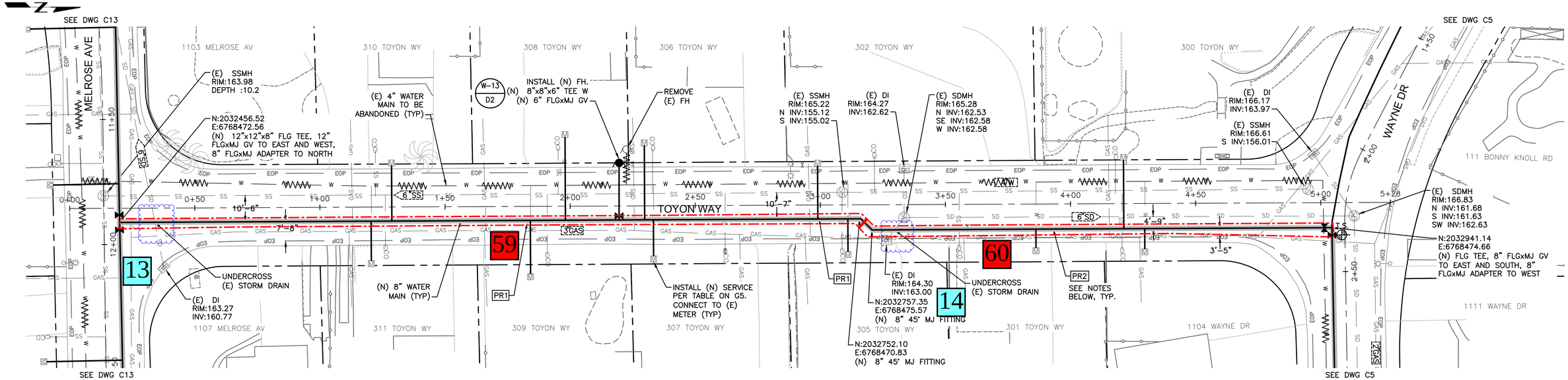
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DOMENICHELLI NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

LINWOOD AVE PLAN AND PROFILE
STA 0+00 TO 5+40

DWG. NO. C8
SHEET 14 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
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TOYON WAY

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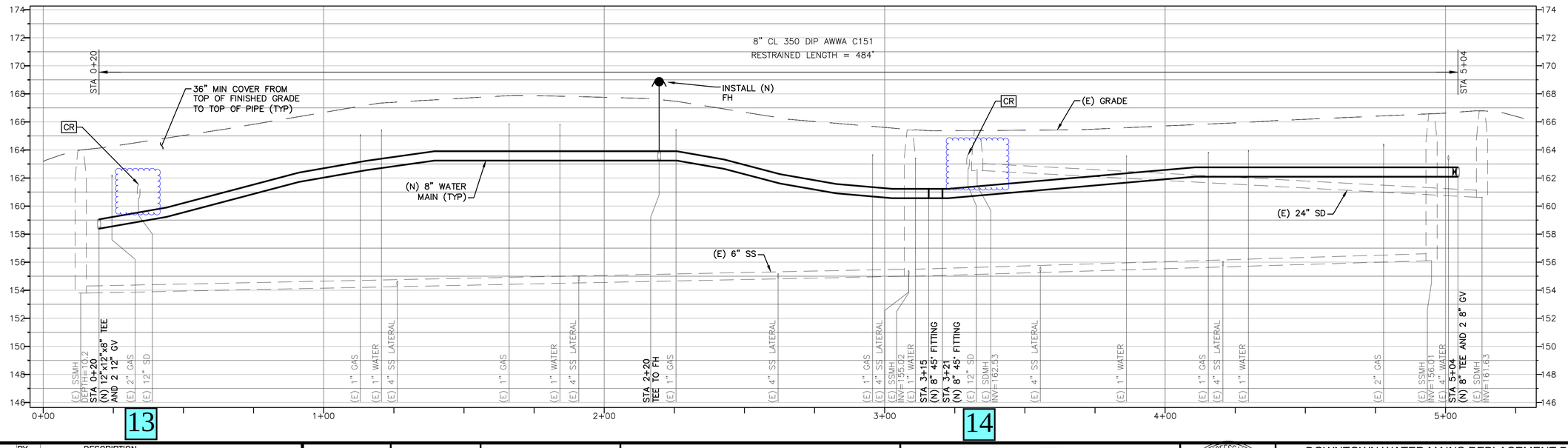
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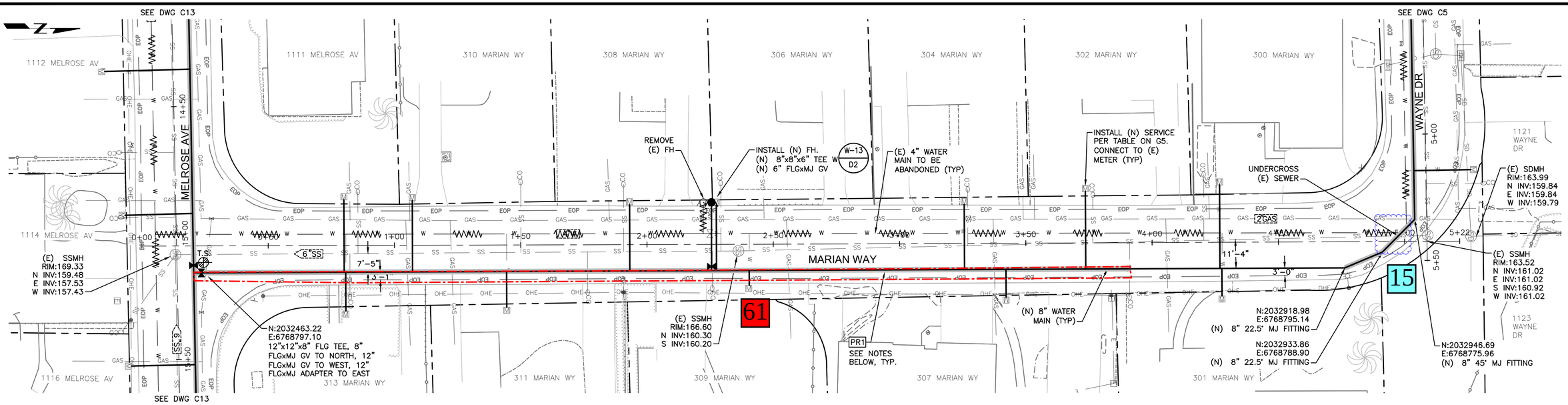
REGISTERED PROFESSIONAL ENGINEER WILLIAMS M. LIU NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

TOYON WAY PLAN AND PROFILE
STA 0+00 TO 5+28

DWG. NO. C9
SHEET 15 OF 58

Z:\CITY OF ROSEVILLE\IRSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\IRSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



MARIAN WAY

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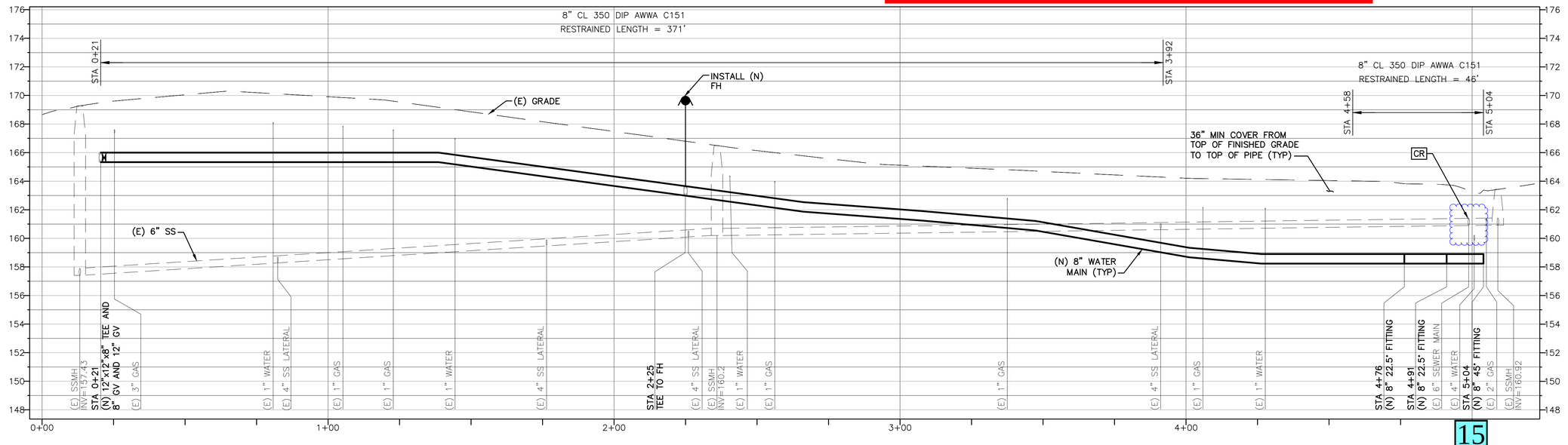
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Legend for Full Plan Set:

Water main crossing existing non-potable fluid pipeline

Water main paralleling existing non-potable fluid pipeline

Length of water main paralleling existing non-potable fluid pipeline



15

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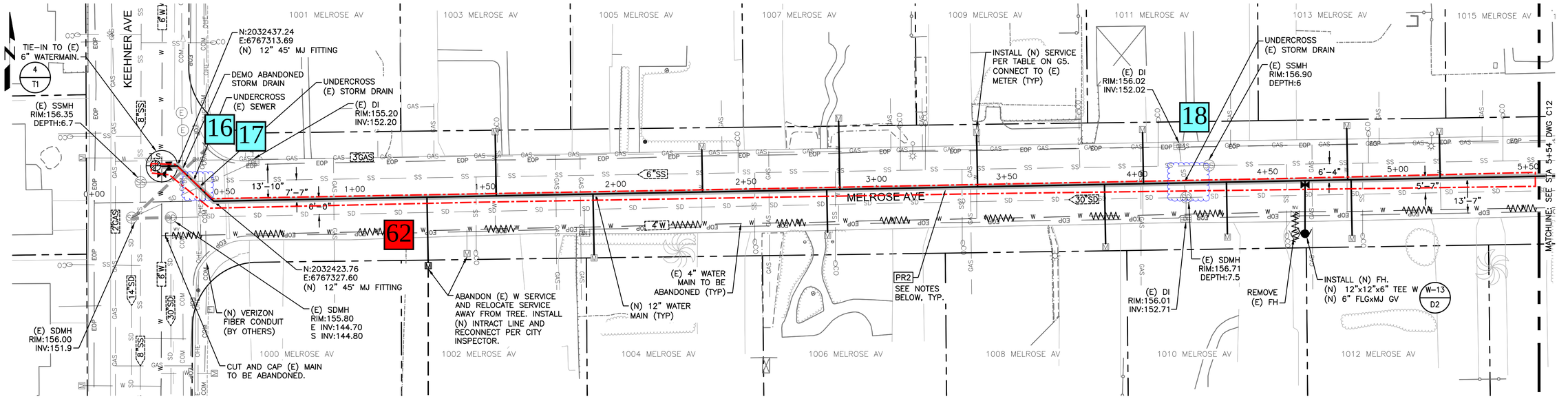
REGISTERED PROFESSIONAL ENGINEER
THOMAS M. DOMENICHELLI
NO. C68171
Exp. 9/30/21
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STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

MARIAN WAY PLAN AND PROFILE
STA 0+00 TO 5+22

DWG. NO. C10
SHEET 16 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
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MELROSE AVE

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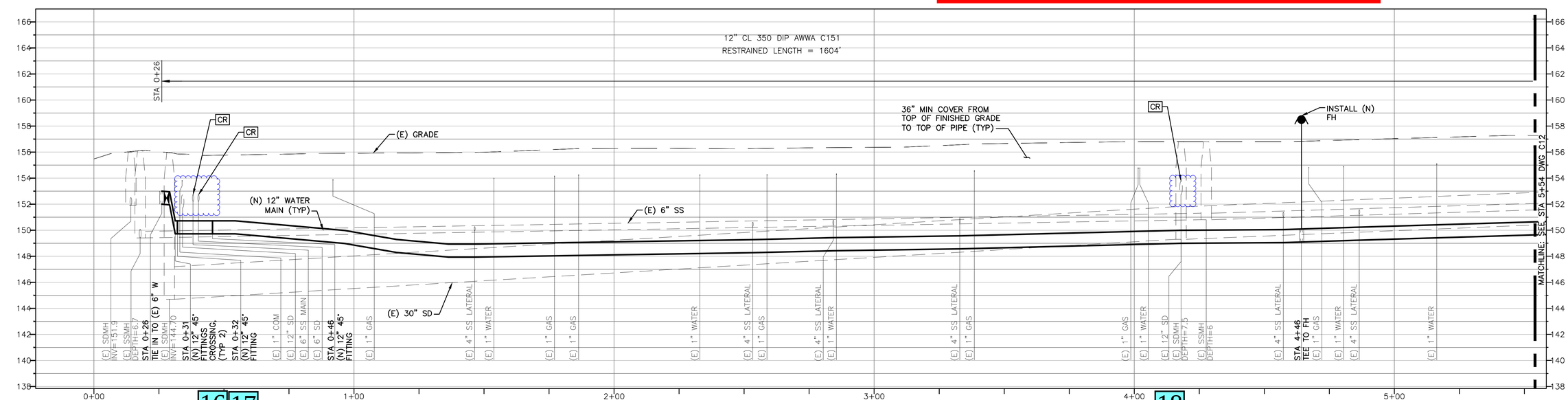
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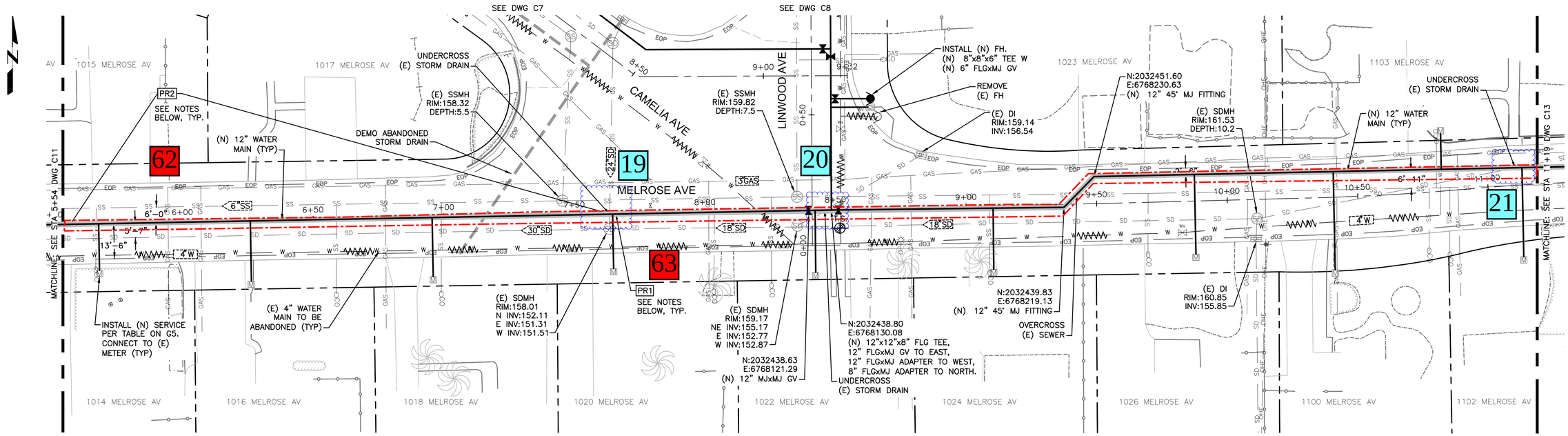
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

MELROSE AVE PLAN AND PROFILE
STA 0+00 TO 5+54

DWG. NO. C11
SHEET 17 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
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MELROSE AVE

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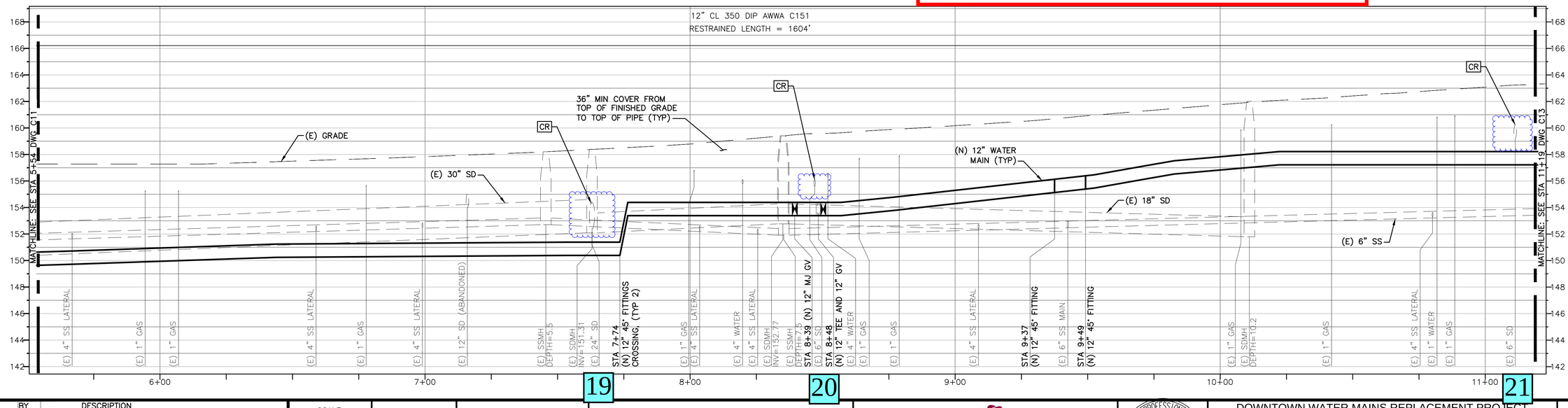
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Legend for Full Plan Set:
- # Water main crossing existing non-potable fluid pipeline
- # Water main paralleling existing non-potable fluid pipeline
- Length of water main paralleling existing non-potable fluid pipeline



REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION
REV	DATE	BY	DESCRIPTION

SCALE: HORZ 1"=20' VERT 1"=4'

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DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

DOMENICHELLI & ASSOCIATES
5180 Golden Foothill Parkway Ste. 220
El Dorado Hills, CA 95762
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CITY OF ROSEVILLE CALIFORNIA
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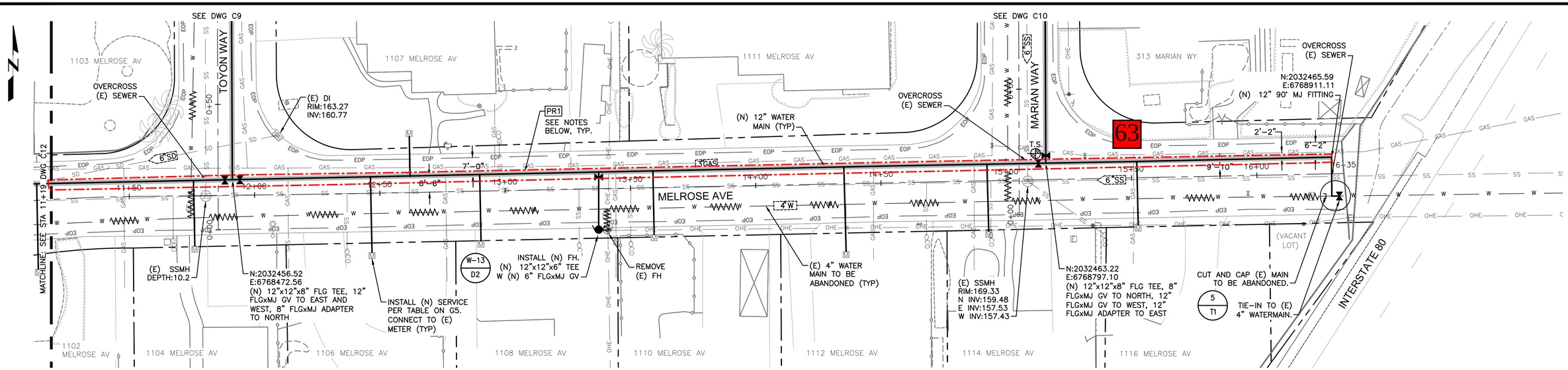
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

MELROSE AVE PLAN AND PROFILE
STA 5+54 TO 11+19

DWG. NO. C12
SHEET 18 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



MELROSE AVE

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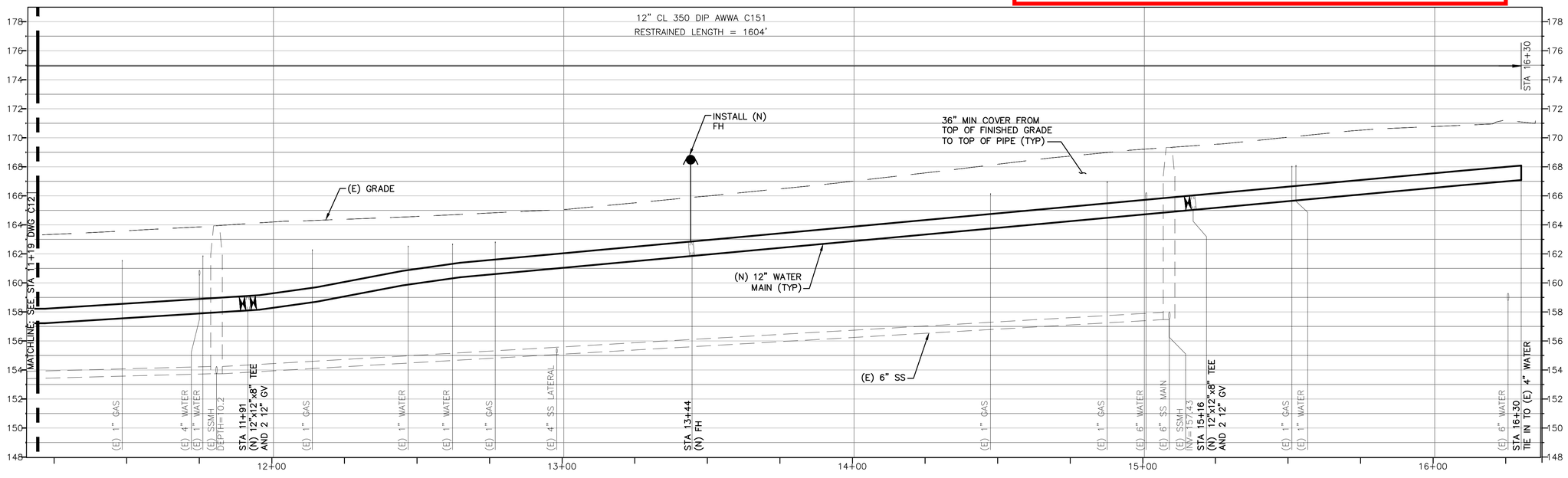
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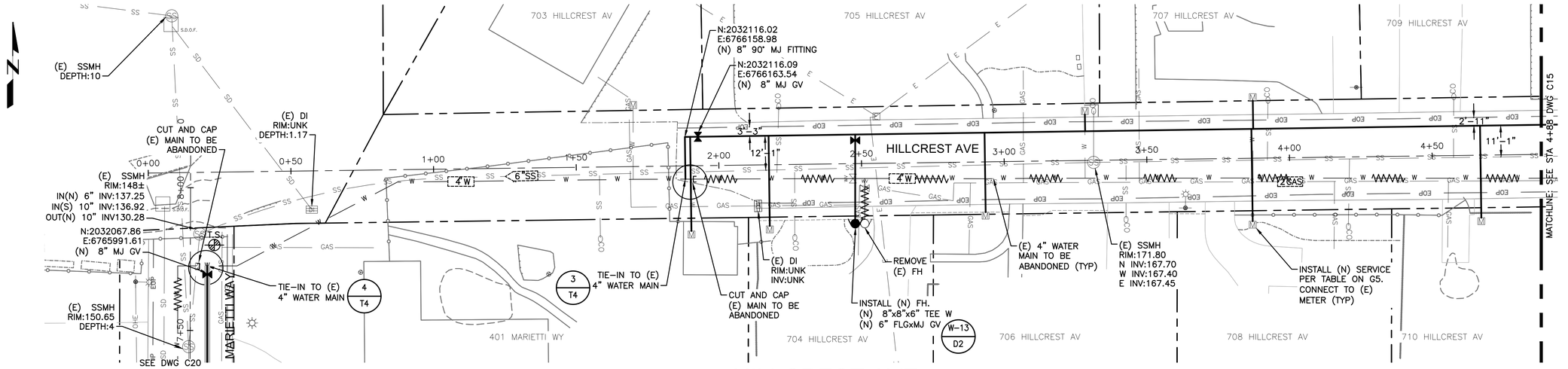
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

MELROSE AVE PLAN AND PROFILE
STA 11+19 TO 16+35

DWG. NO. C13
SHEET 19 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



HILLCREST AVE

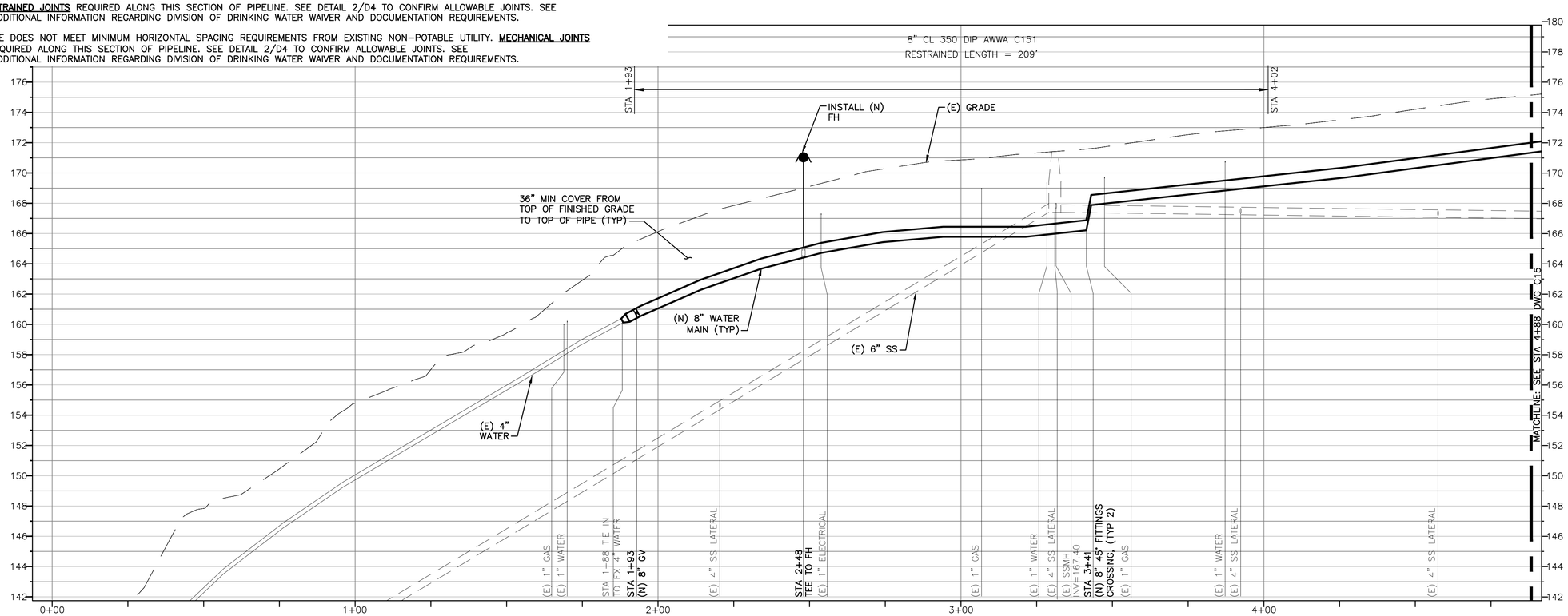
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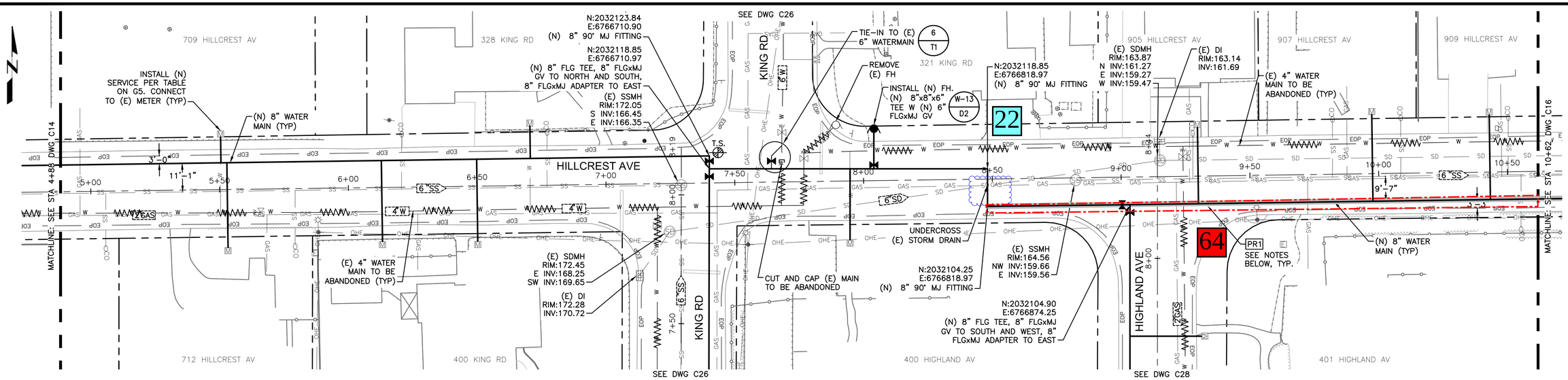
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

HILLCREST AVE PLAN AND PROFILE
STA 0+00 TO 4+88

DWG. NO. C14
SHEET 20 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



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HILLCREST AVE

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REV | DATE | BY | DESCRIPTION

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REGISTERED PROFESSIONAL ENGINEER THOMAS M. DOMENICHELLI NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

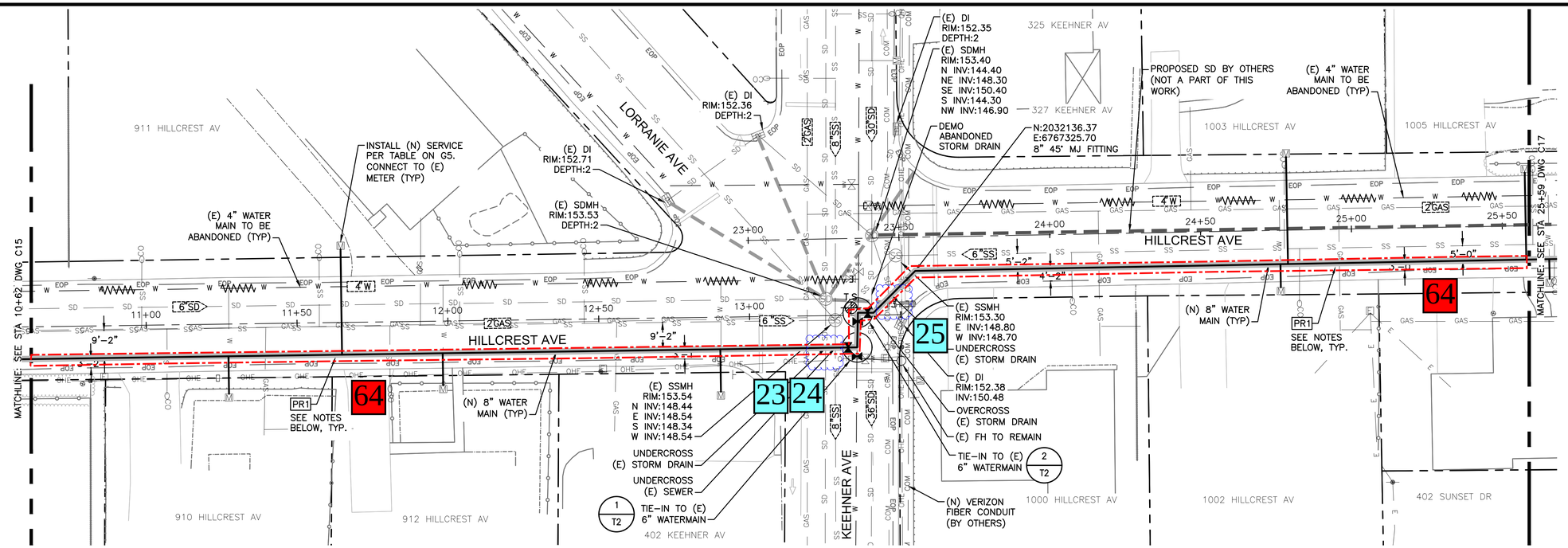
DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

HILLCREST AVE PLAN AND PROFILE
STA 4+88 TO 10+62

DWG. NO. C15
SHEET 21 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 H

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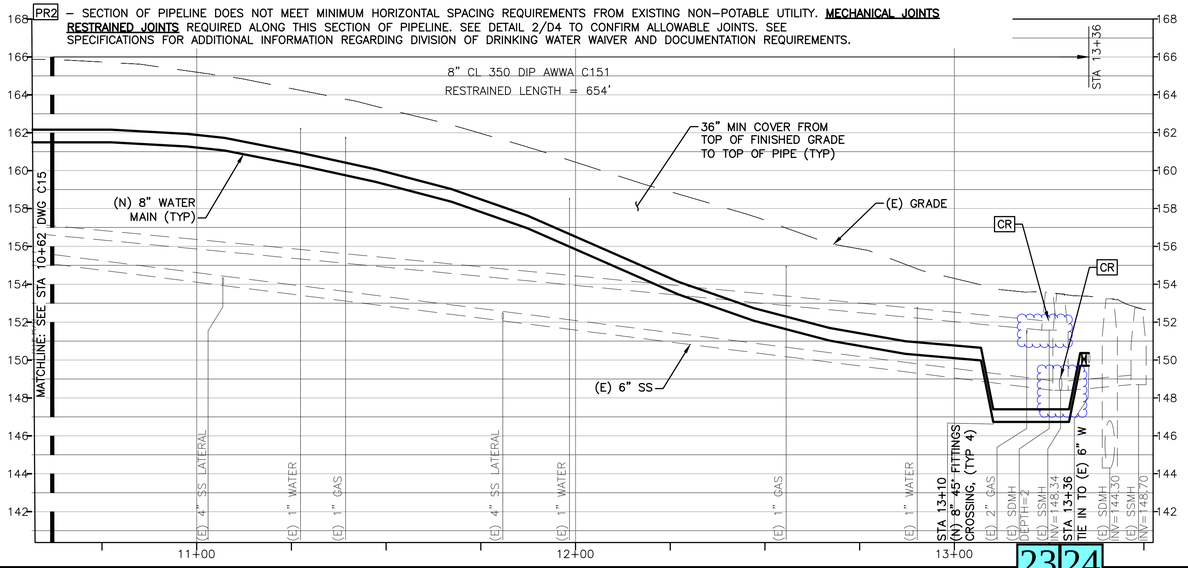


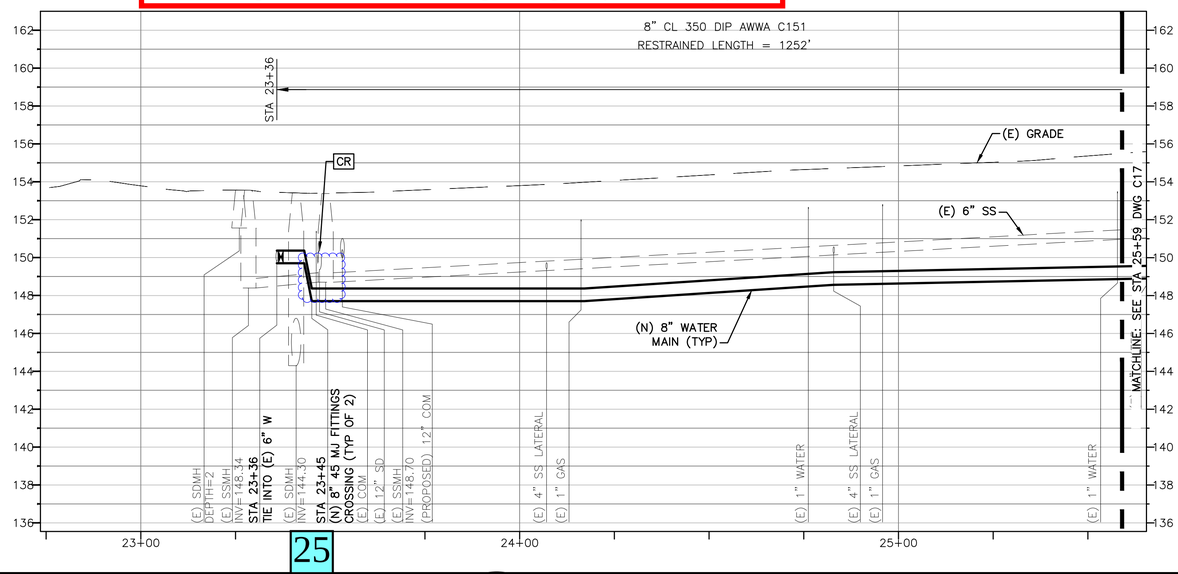
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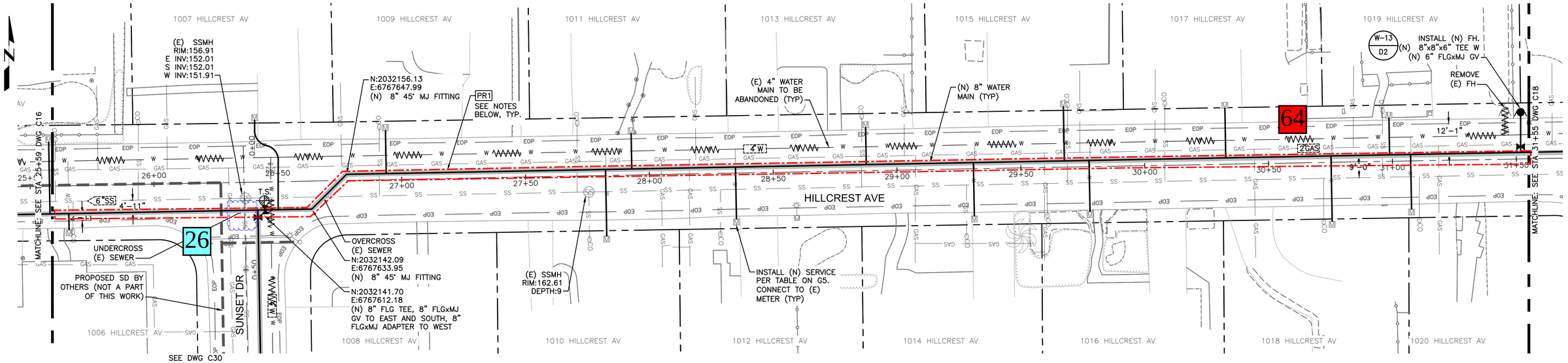
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DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

HILLCREST AVE PLAN AND PROFILE
STA 10+62 TO 13+50 / STA 23+00 TO 25+59

DWG. NO. C16
SHEET 22 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
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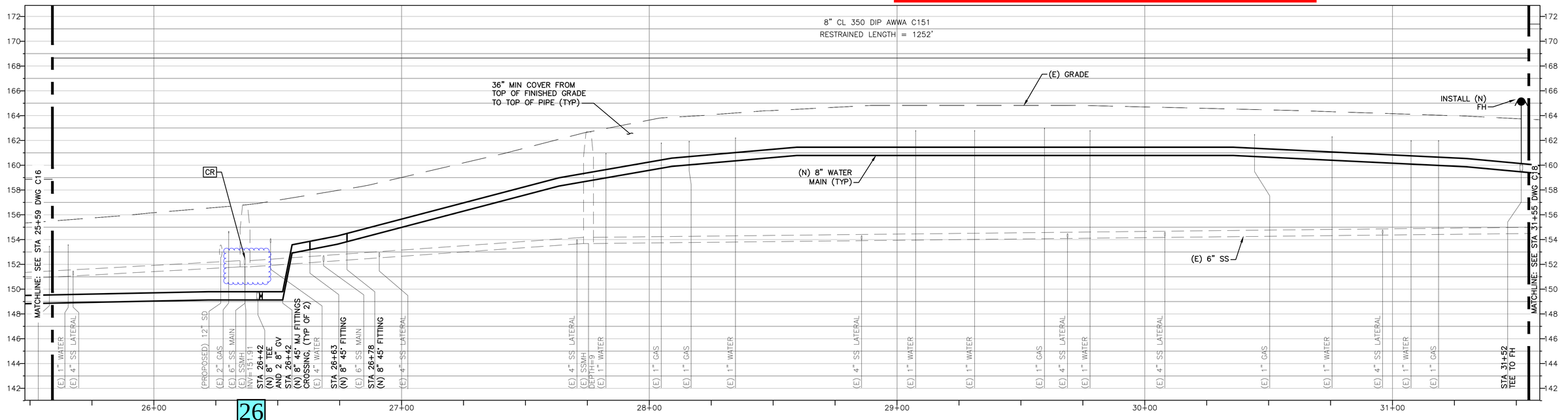
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Legend for Full Plan Set:

- # Water main crossing existing non-potable fluid pipeline
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- Length of water main paralleling existing non-potable fluid pipeline



REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

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DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

DOMENICHELLI & ASSOCIATES
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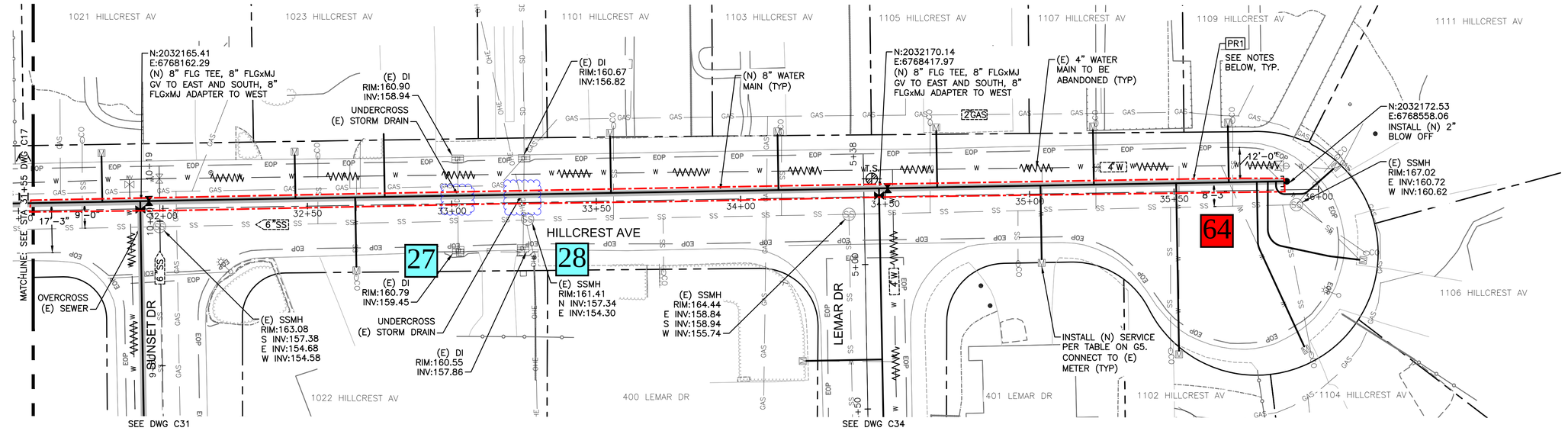
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

HILLCREST AVE PLAN AND PROFILE
STA 25+59 TO 31+55

DWG. NO. C17
SHEET 23 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



HILLCREST AVE

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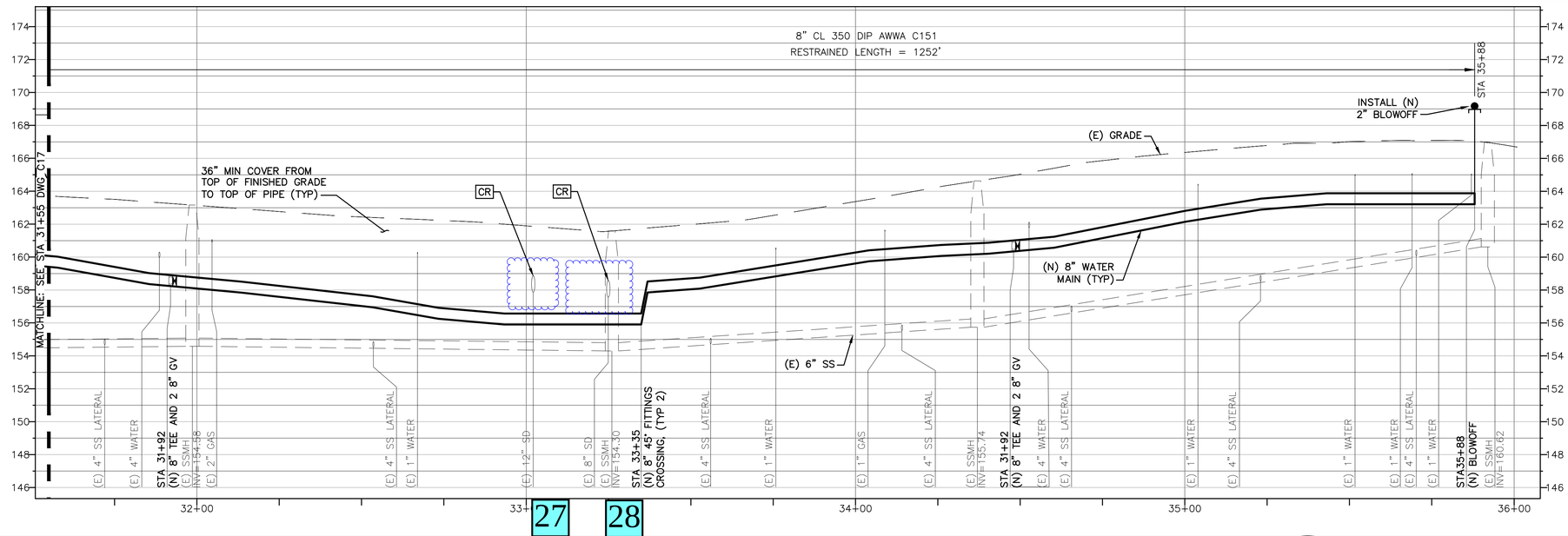
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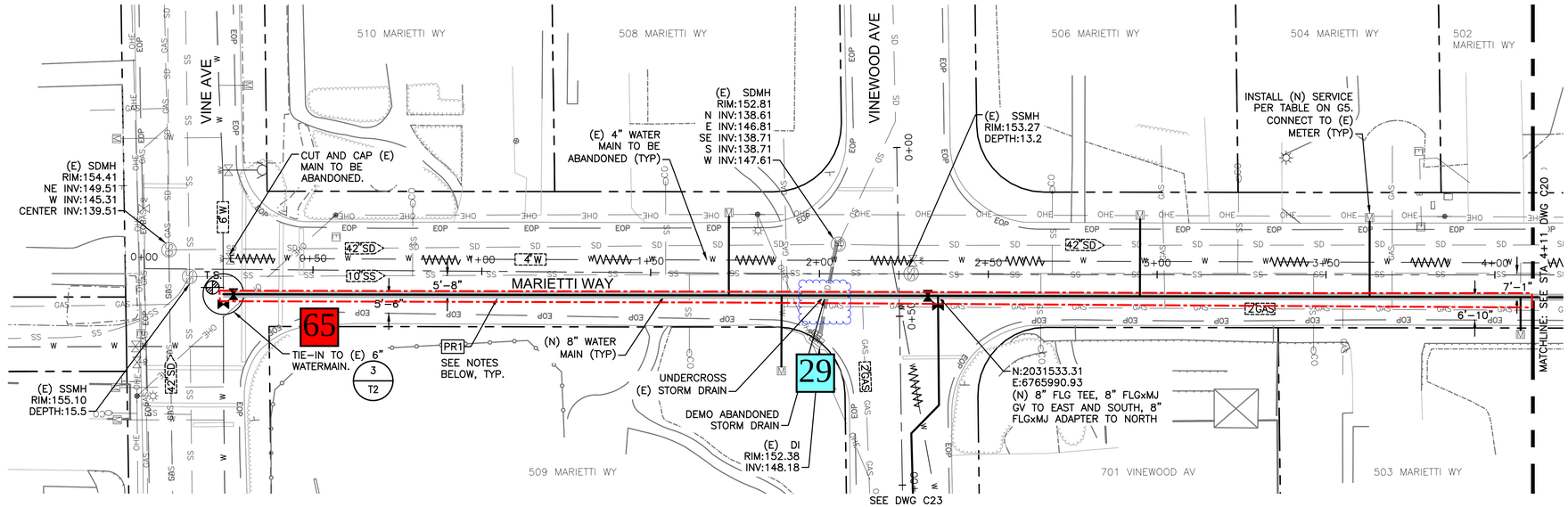
REGISTERED PROFESSIONAL ENGINEER
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DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

HILLCREST AVE PLAN AND PROFILE
STA 31+55 TO 36+00

DWG. NO. C18
SHEET 24 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
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MARIETTI WAY

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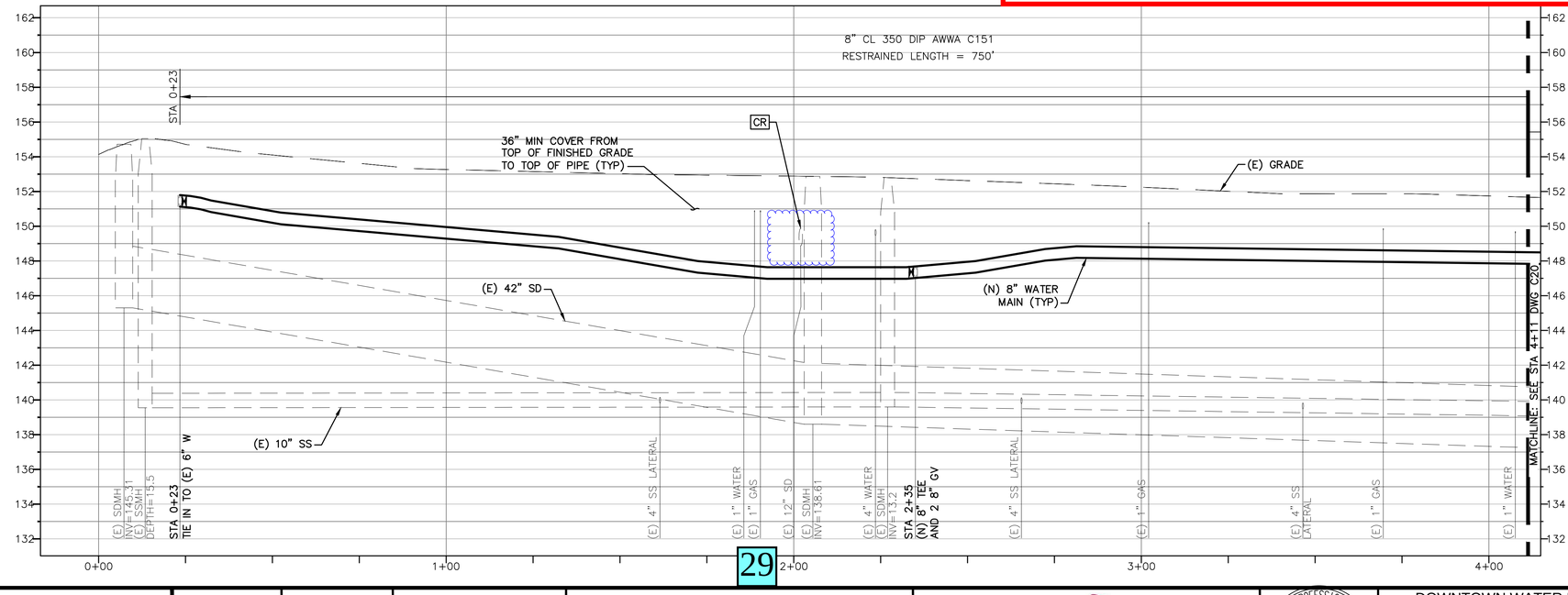
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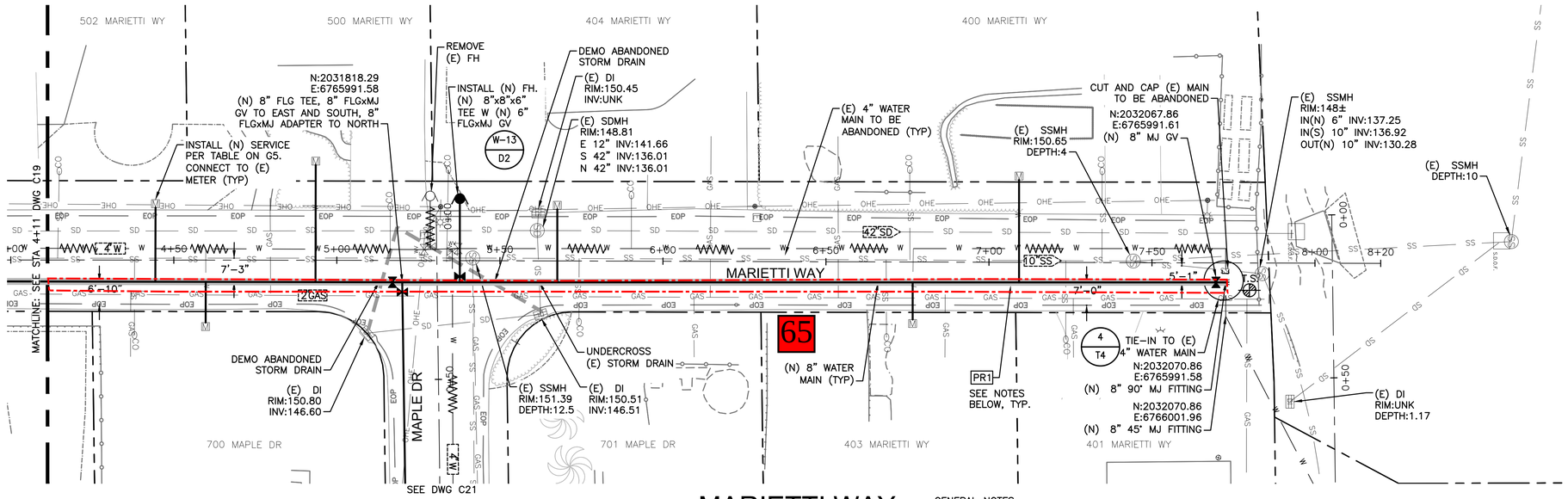
REGISTERED PROFESSIONAL ENGINEER THOMAS M. LAGRONE NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

MARIETTI WAY PLAN AND PROFILE
STA 0+00 TO 4+11

DWG. NO. C19
SHEET 25 OF 58

Z:\CITY OF ROSEVILLE\IRSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\IRSVL-001 20201013.110636



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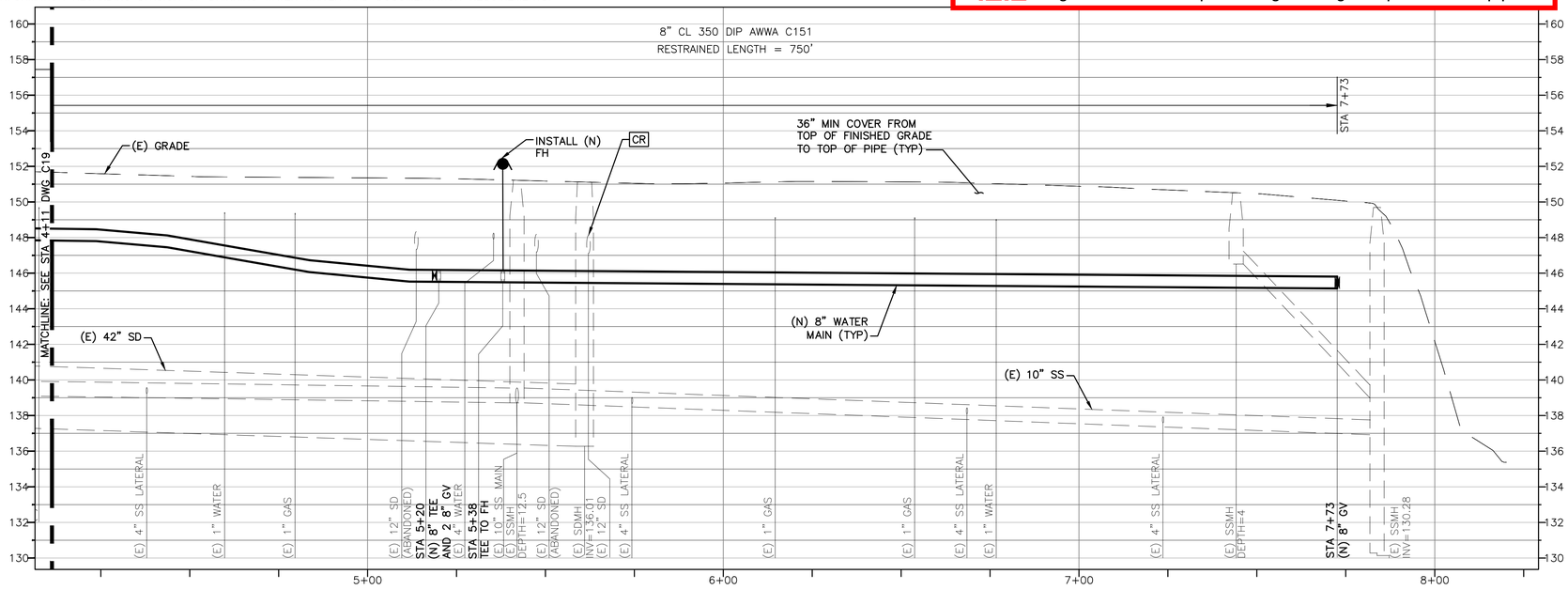
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REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

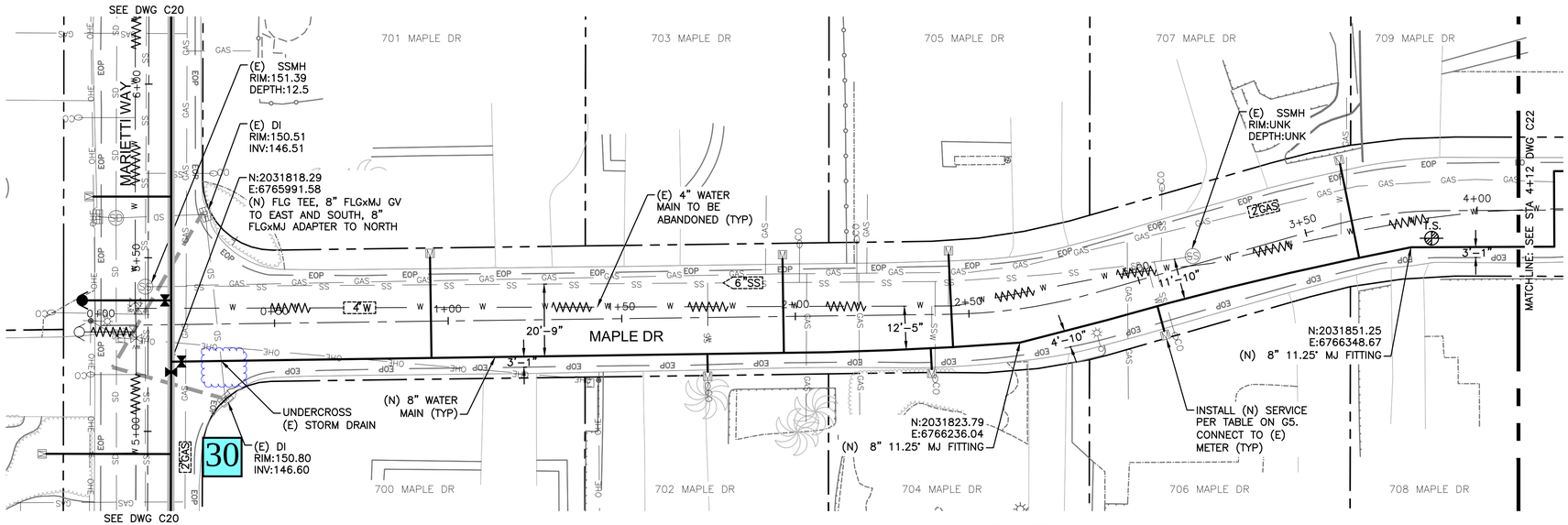
MARIETTI WAY PLAN AND PROFILE
STA 4+11 TO 8+20

DWG. NO. C20

SHEET 26 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG

20201013.110636



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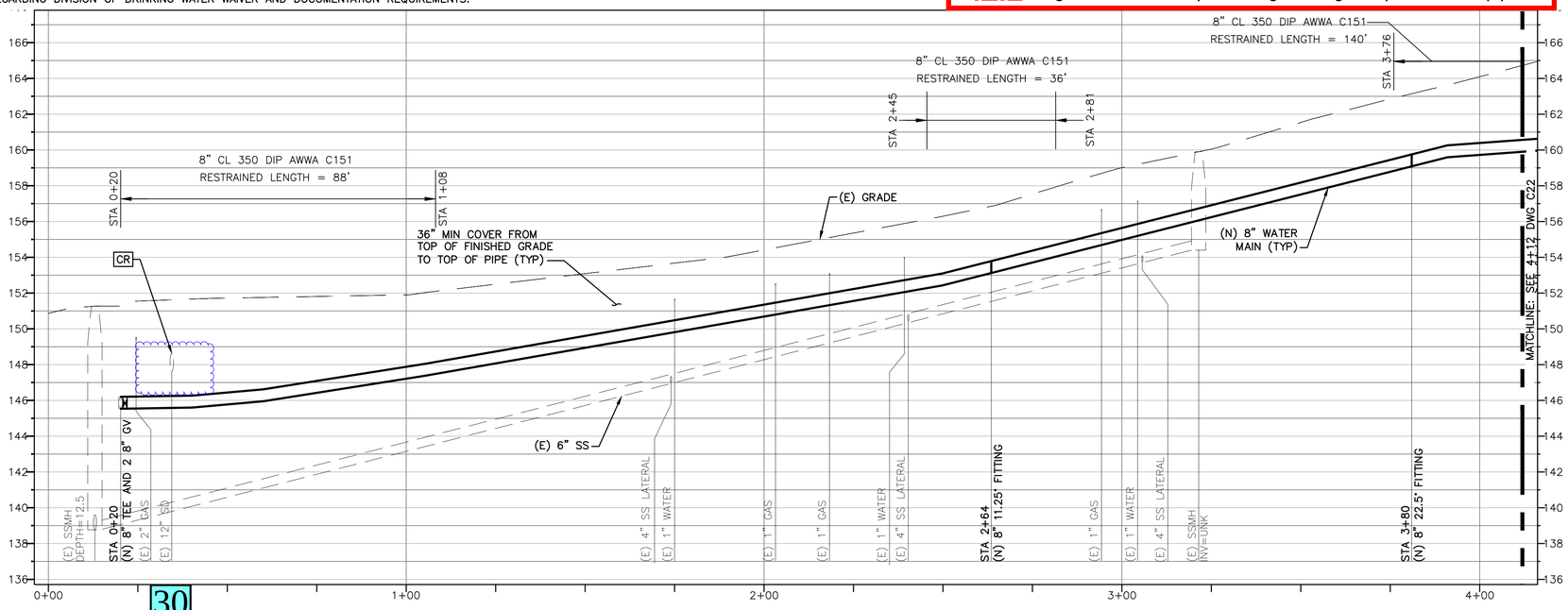
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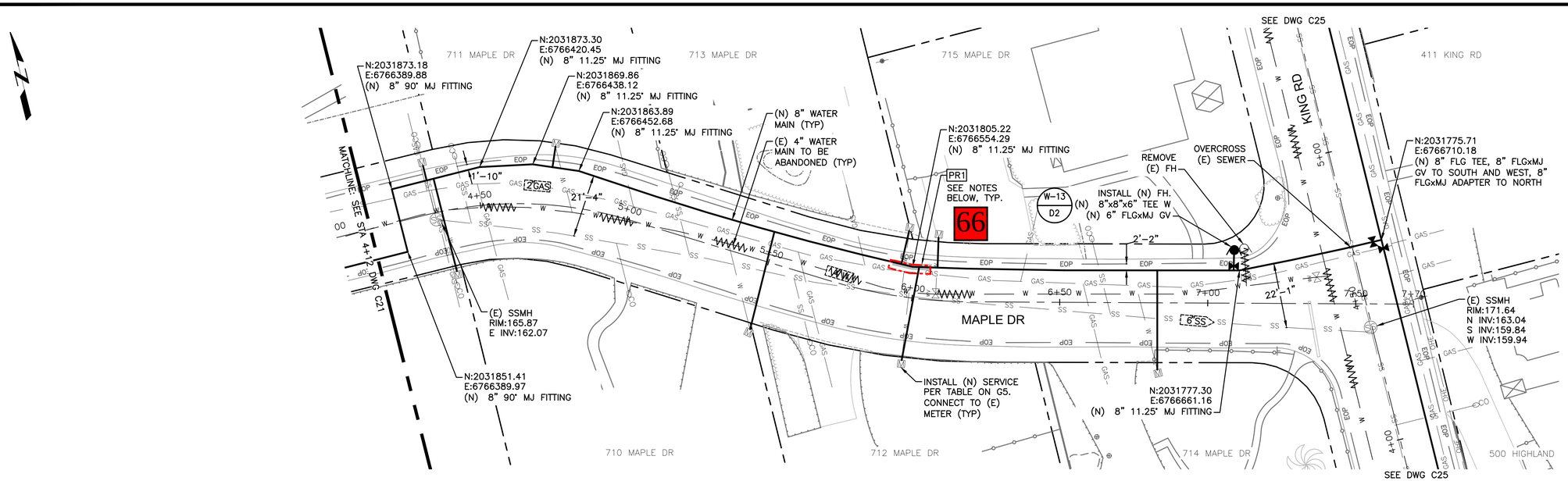
REGISTERED PROFESSIONAL ENGINEER – THOMAS M. LAMB – NO. C68171 Exp. 9/30/21 – STATE OF CALIFORNIA – CIVIL

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

MAPLE DR PLAN AND PROFILE
STA 0+00 TO 4+12

DWG. NO. C21
SHEET 27 OF 58

Z:\CITY OF ROSEVILLE\IRSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\IRSVL-001.DWG
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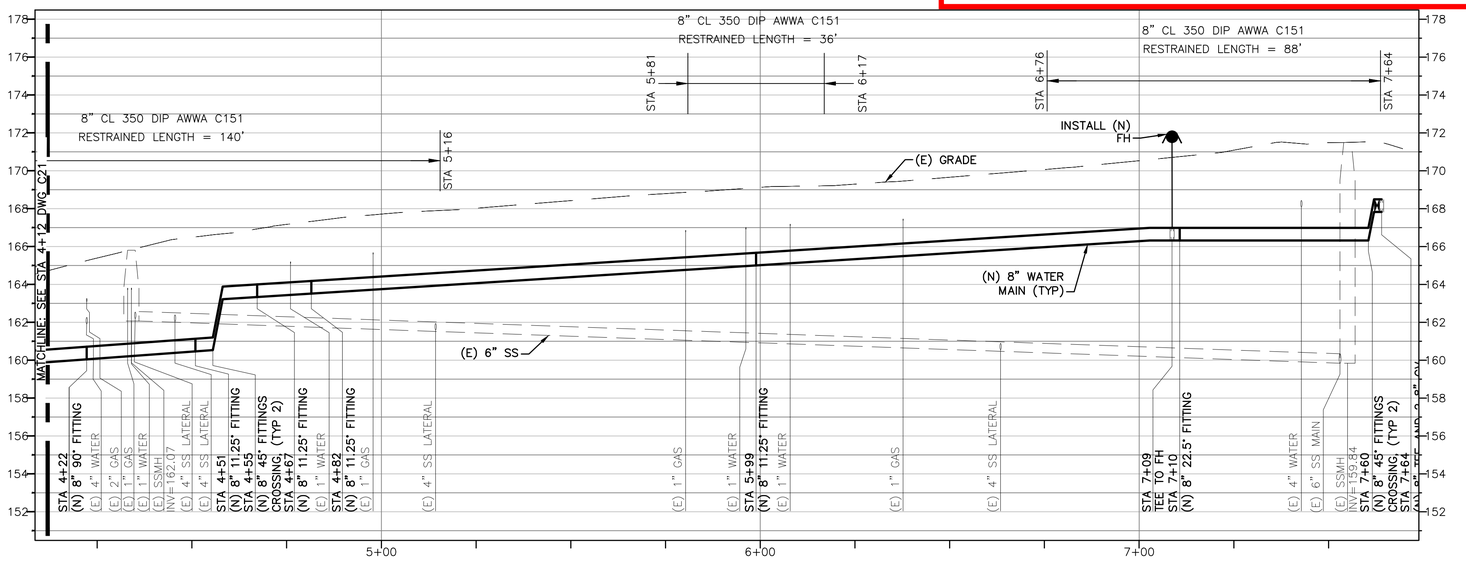
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Legend for Full Plan Set:

- [#] Water main crossing existing non-potable fluid pipeline
- [#] Water main paralleling existing non-potable fluid pipeline
- Length of water main paralleling existing non-potable fluid pipeline



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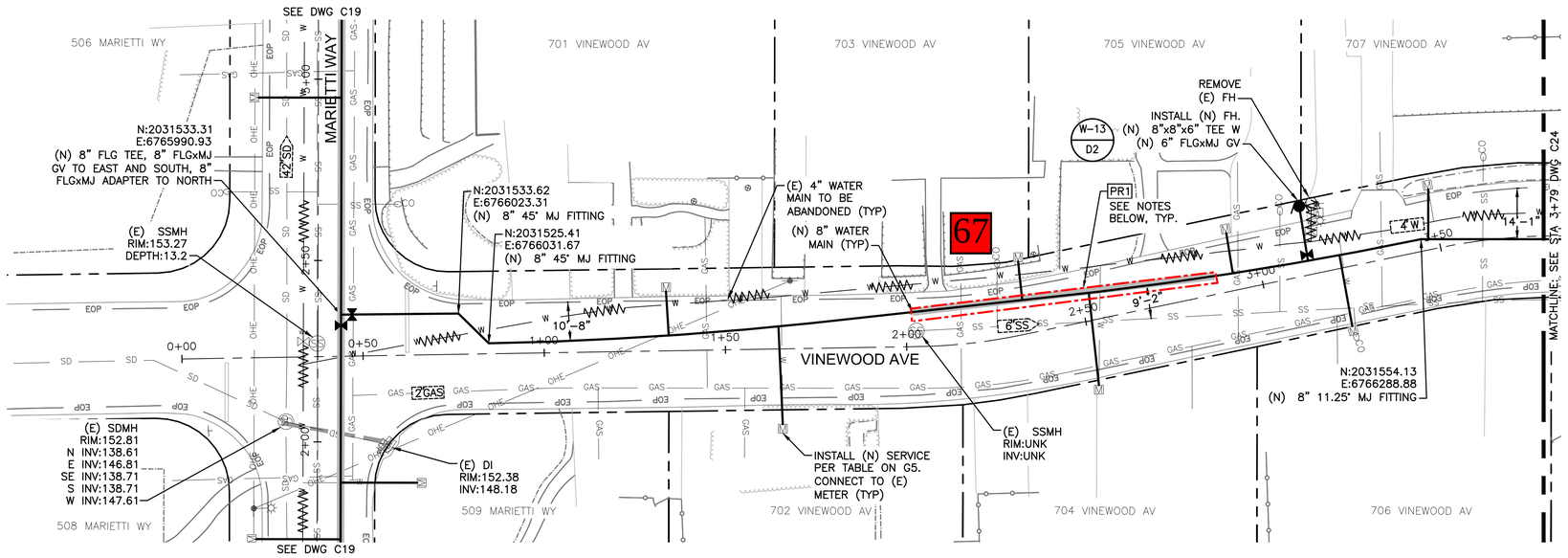
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

MAPLE DR PLAN AND PROFILE
STA 4+12 TO 7+70

DWG. NO. C22
SHEET 28
OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



VINEWOOD AVE

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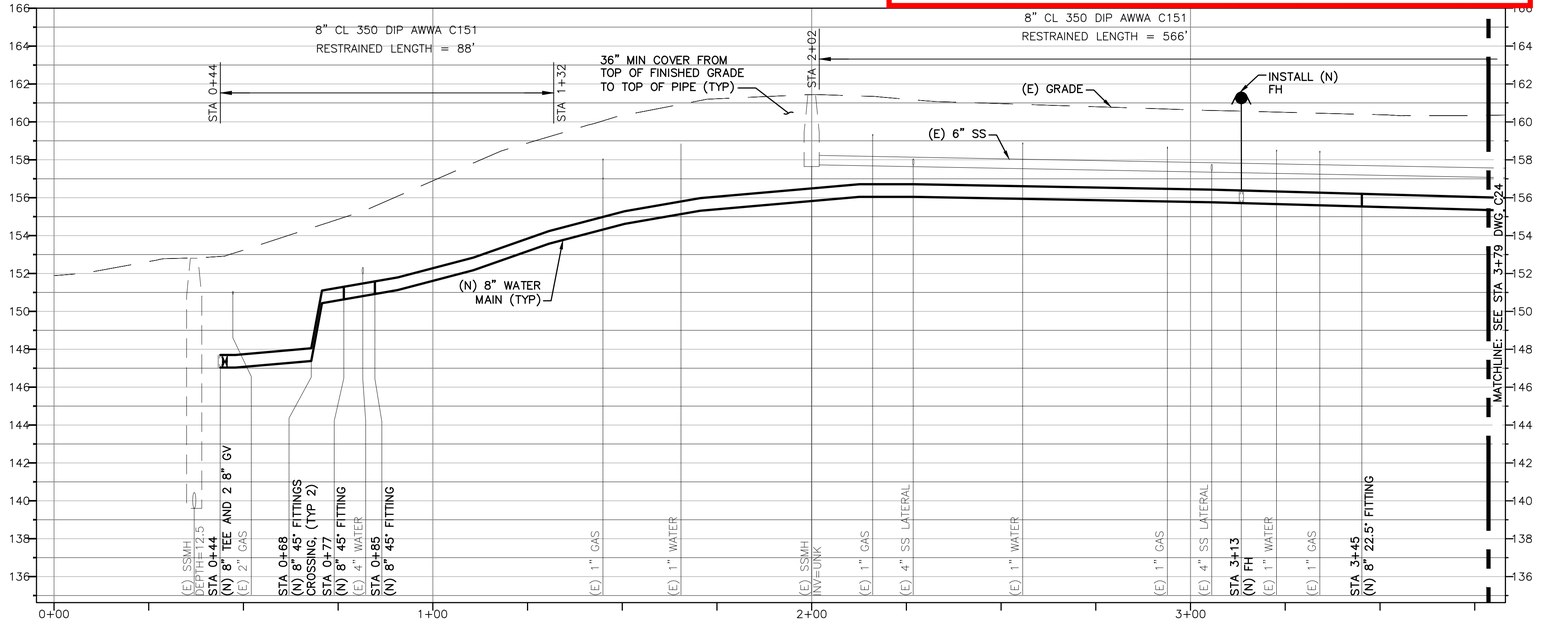
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DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

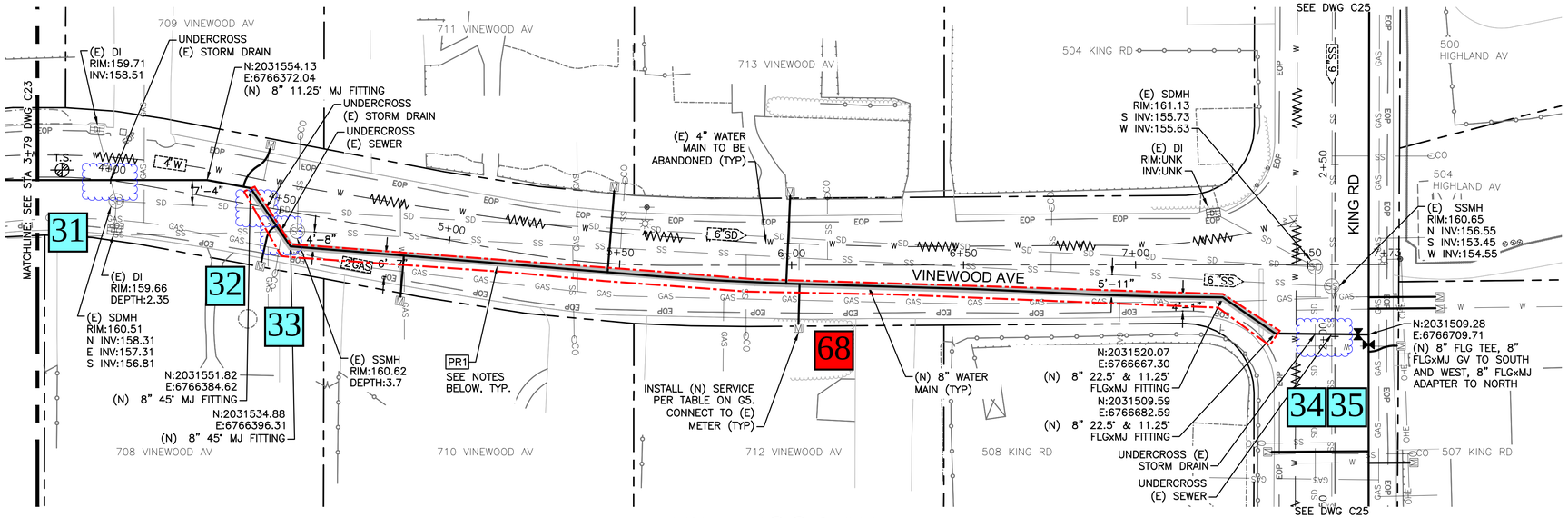
VINEWOOD AVE PLAN AND PROFILE
STA 0+00 TO 3+79

DWG. NO. C23

SHEET 29 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG

20201013.110636



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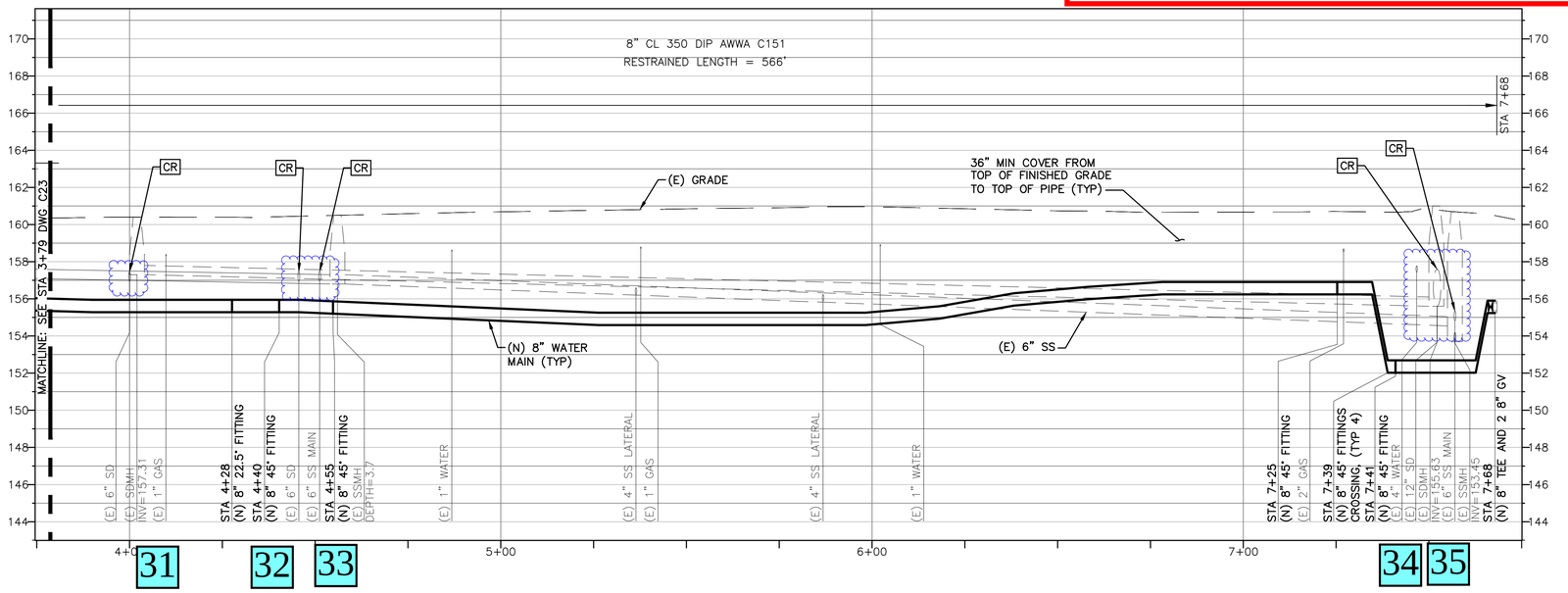
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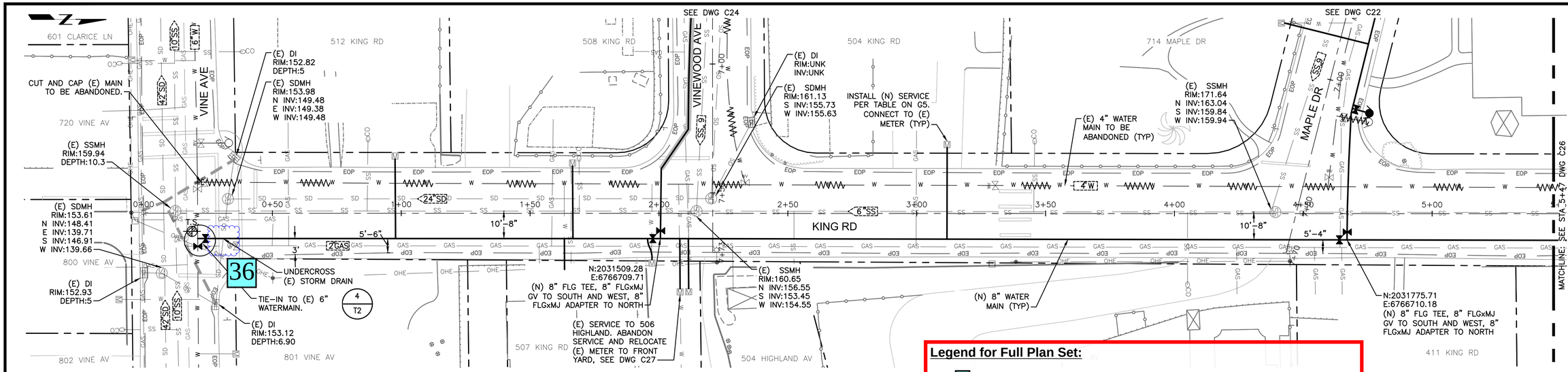
DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

VINEWOOD AVE PLAN AND PROFILE
STA 3+79 TO 7+73

DWG. NO. C24
SHEET 30 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG

20201013.110636



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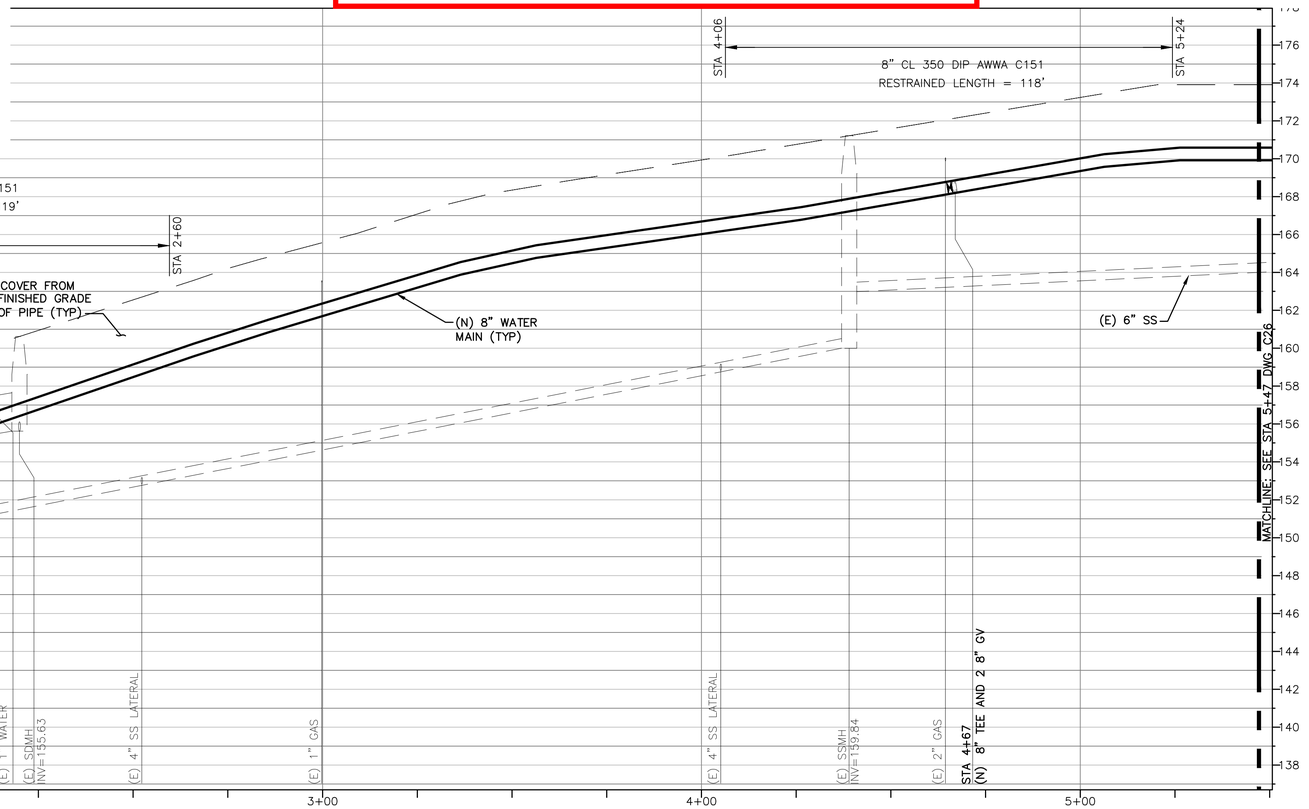
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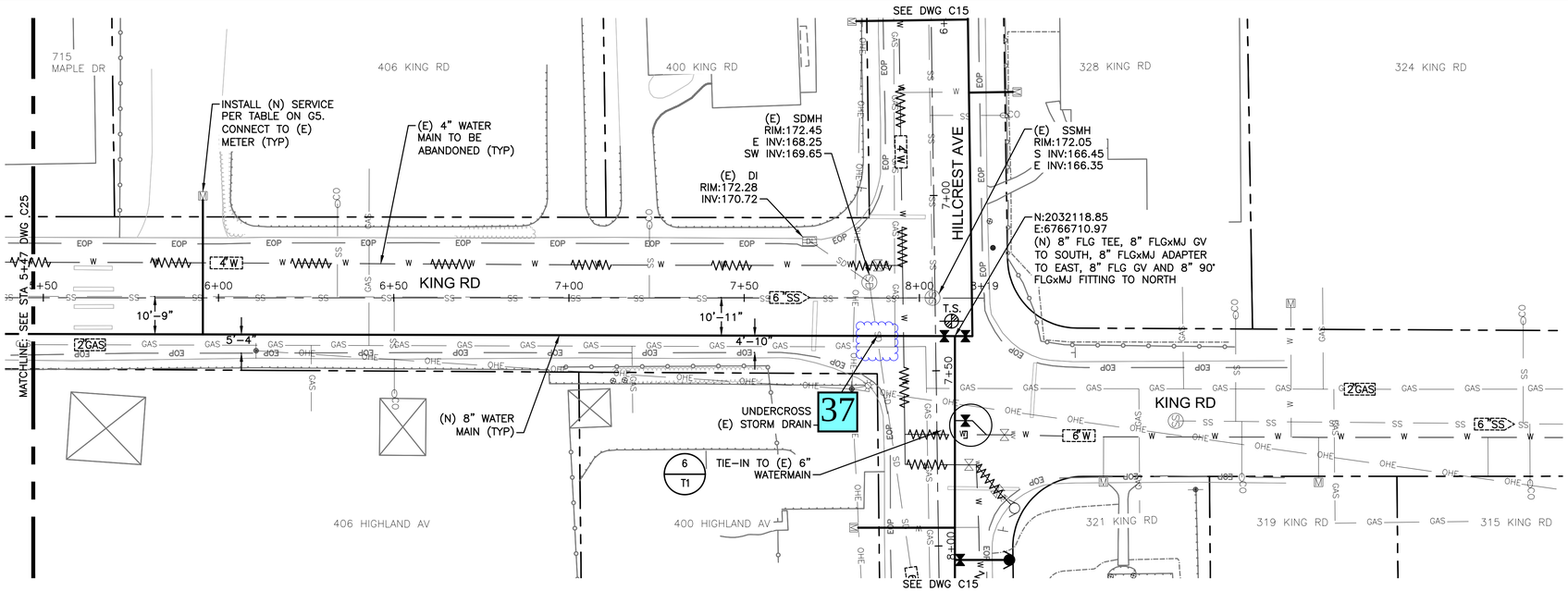
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

KING RD PLAN AND PROFILE
STA 0+00 TO 5+47

DWG. NO. C25
SHEET 31 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
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KING RD

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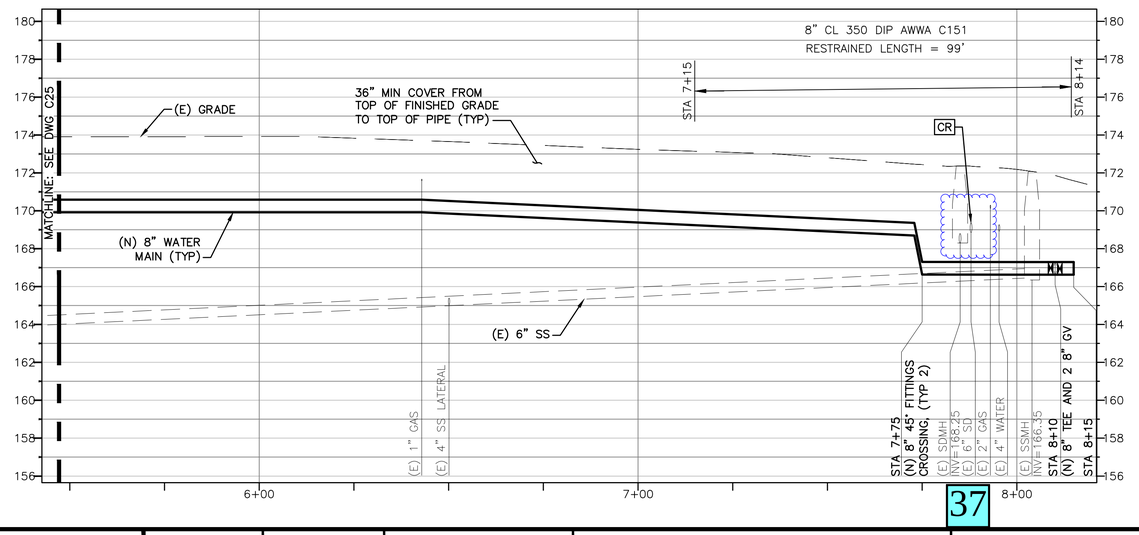
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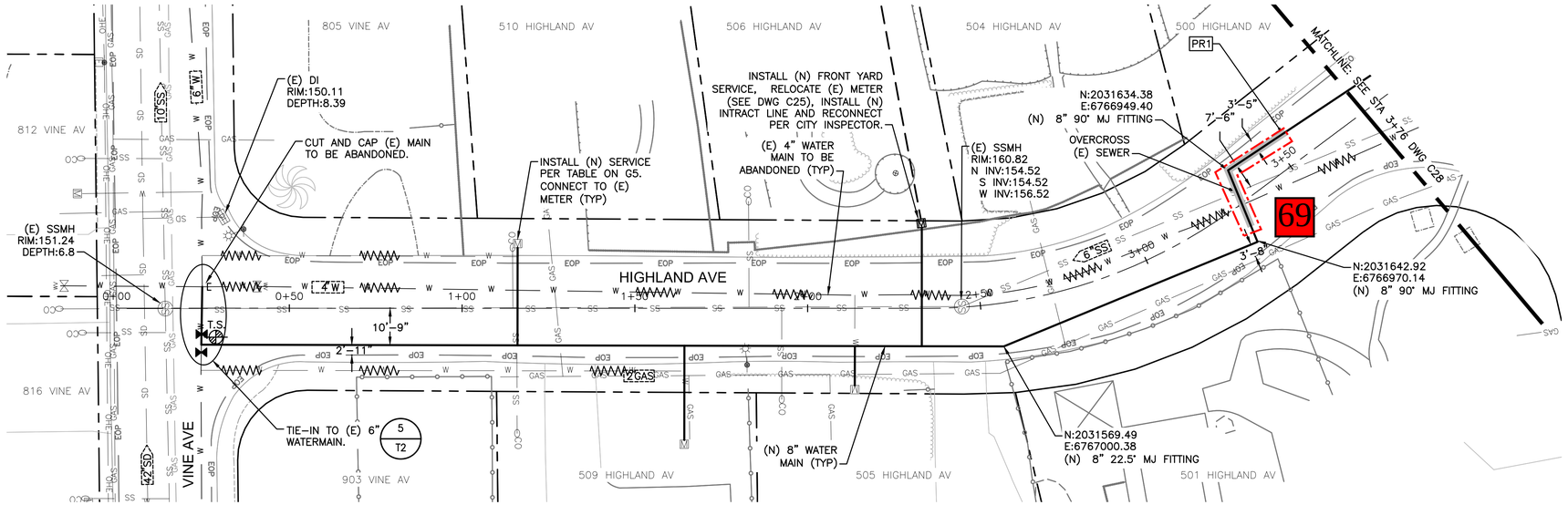
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DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

KING RD PLAN AND PROFILE
STA 5+47 TO 8+19

DWG. NO. C26
SHEET 32 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
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HIGHLAND AVE

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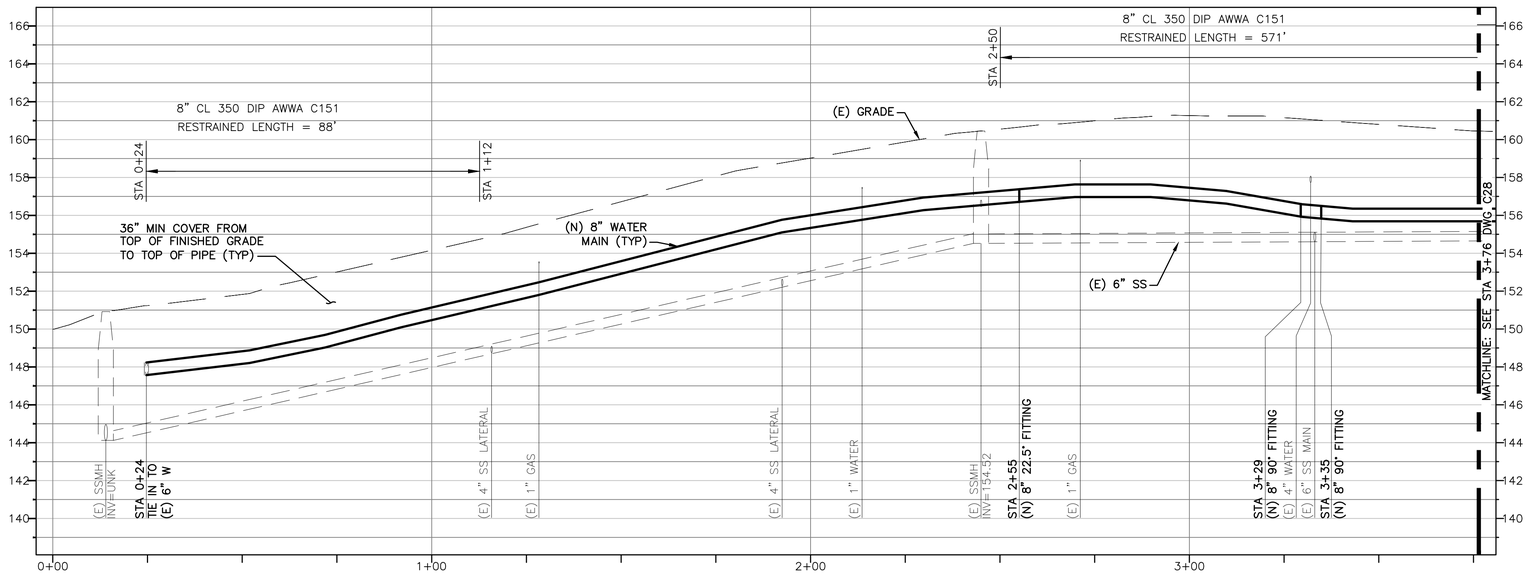
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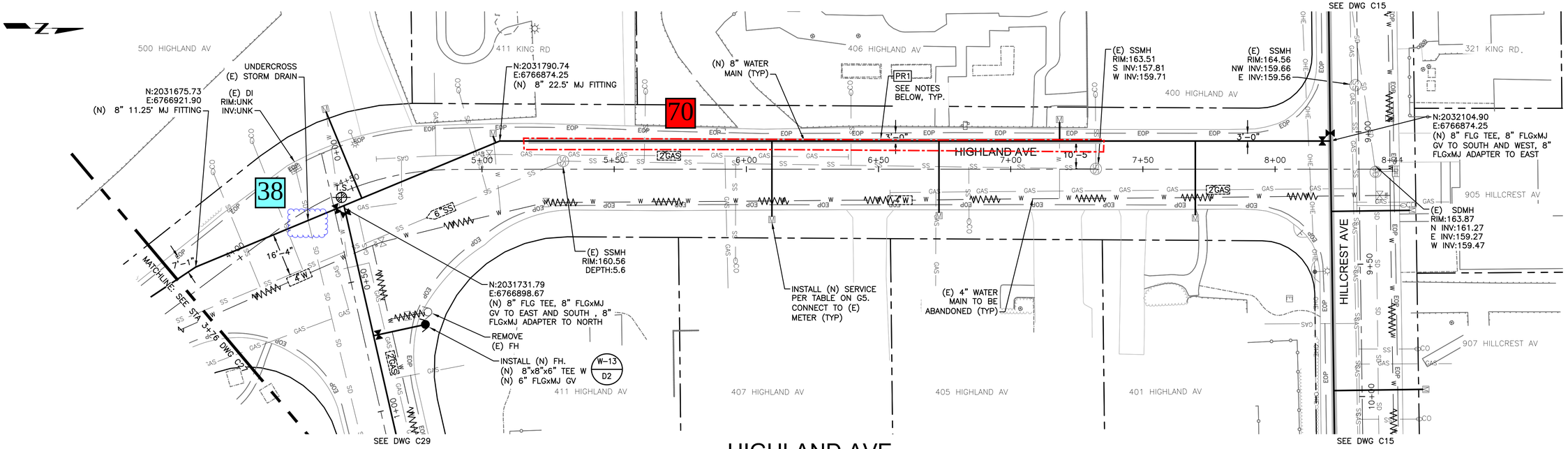
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

HIGHLAND AVE PLAN AND PROFILE
STA 0+00 TO 3+76

DWG. NO. C27
SHEET 33 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



HIGHLAND AVE

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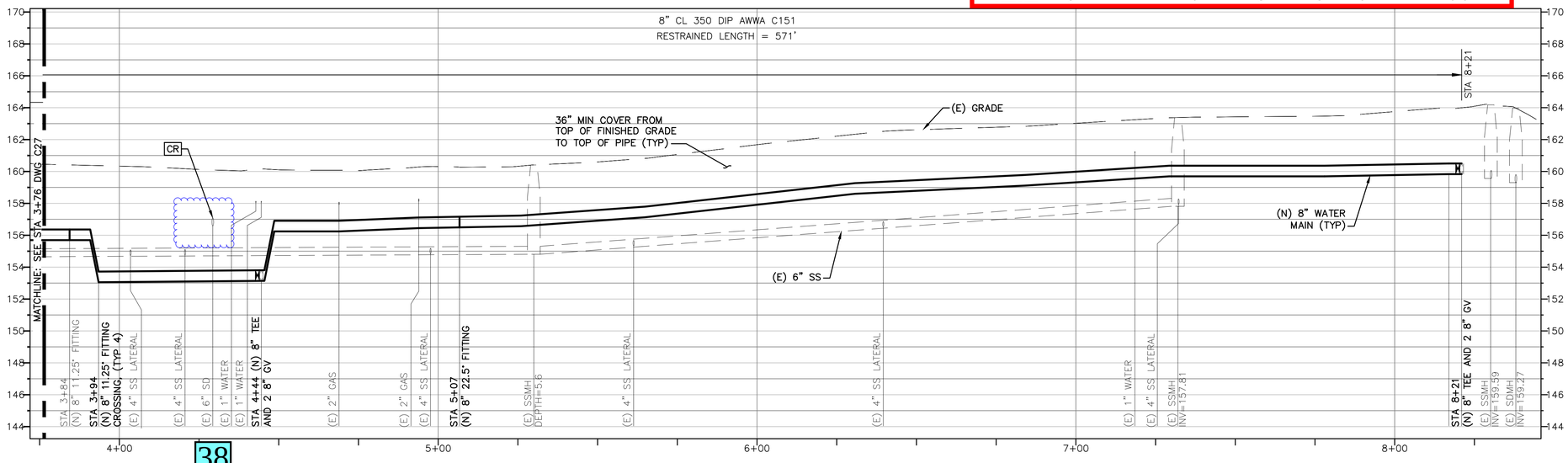
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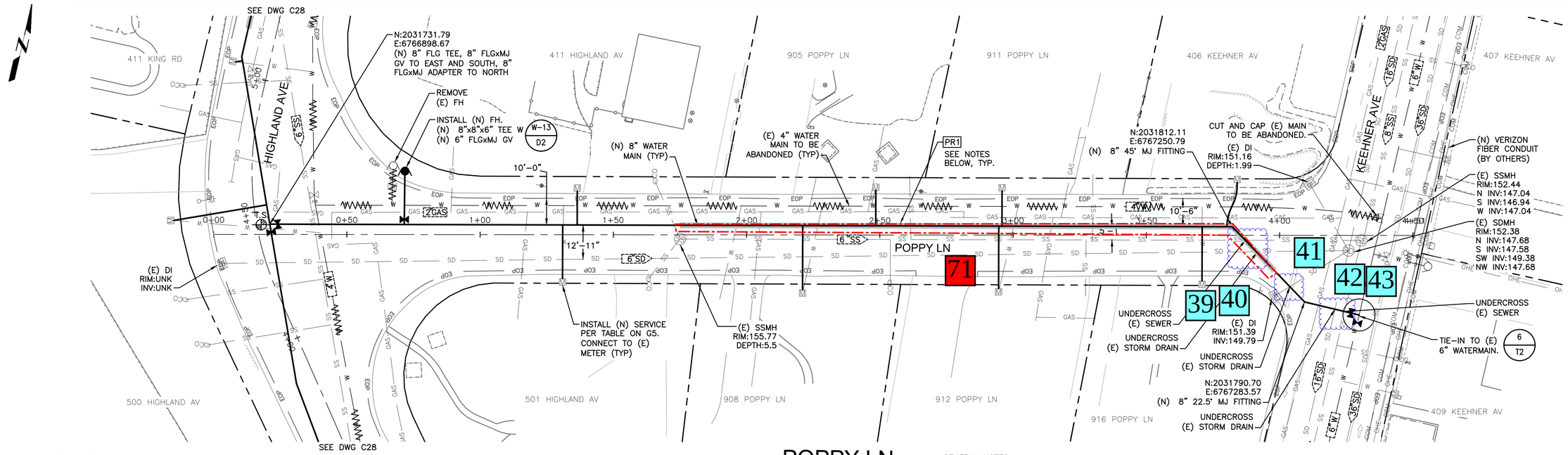
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DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

HIGHLAND AVE PLAN AND PROFILE
STA 3+76 TO 8+44

DWG. NO. C28
SHEET 34 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
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POPPY LN

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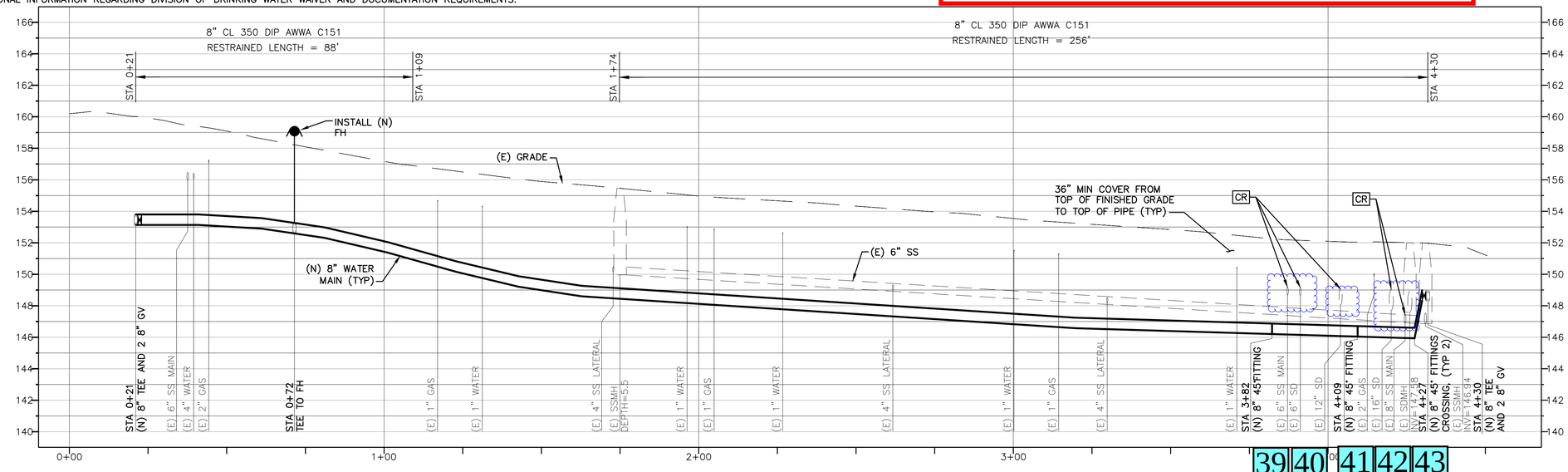
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Length of water main paralleling existing non-potable fluid pipeline



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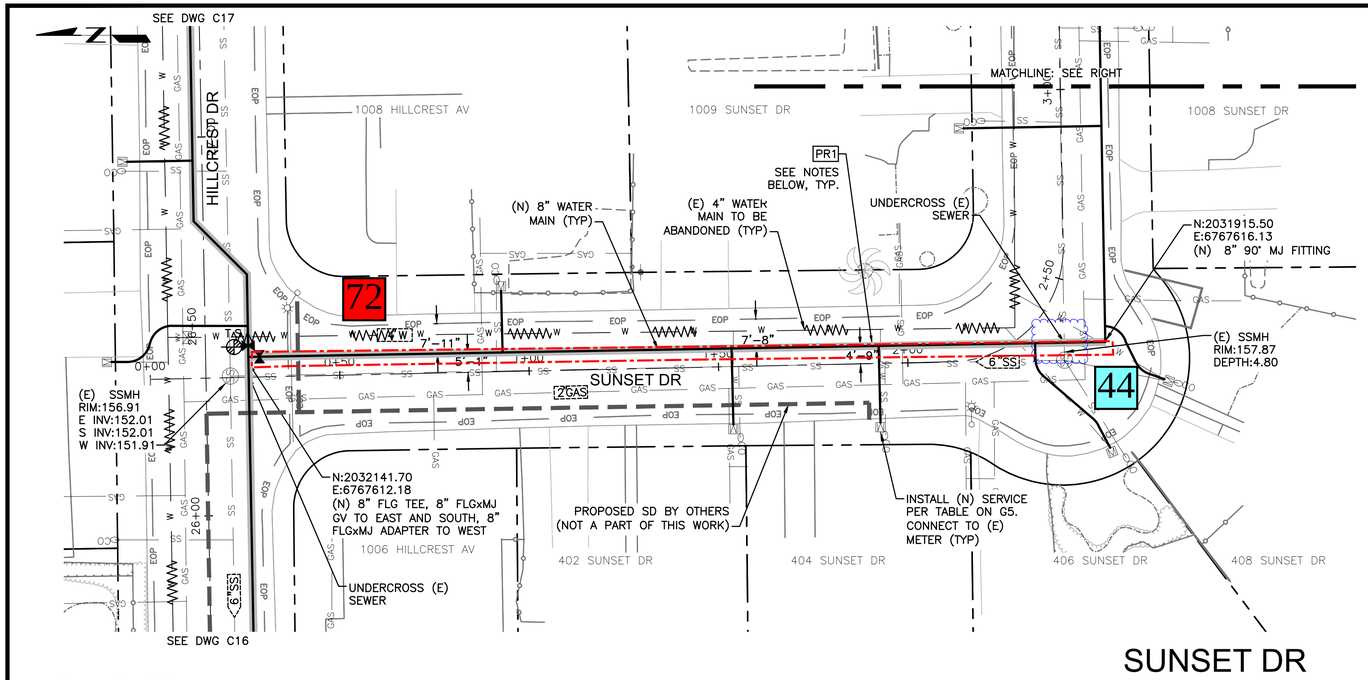
DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

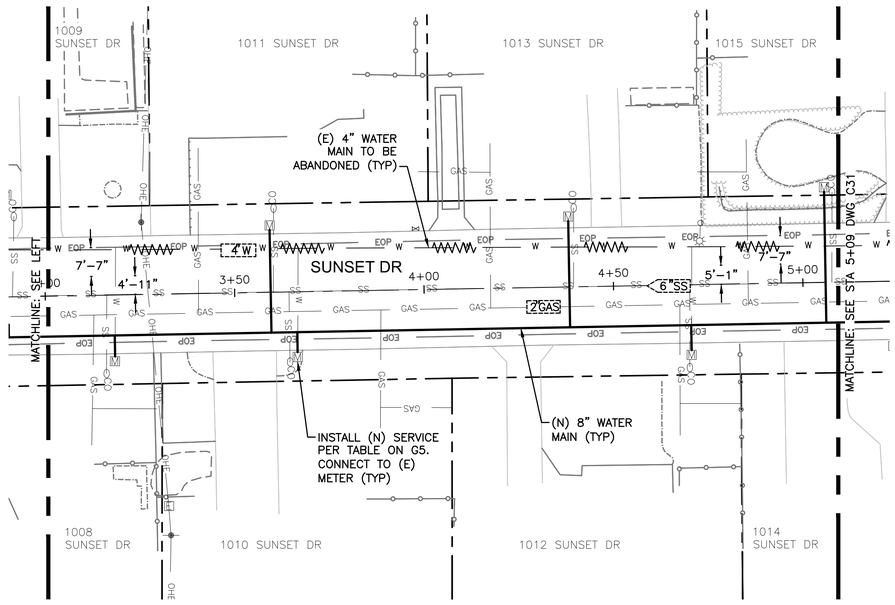
POPPY LN PLAN AND PROFILE
STA 0+00 TO 4+50

DWG. NO. C29
SHEET 35 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001

20201013.110636



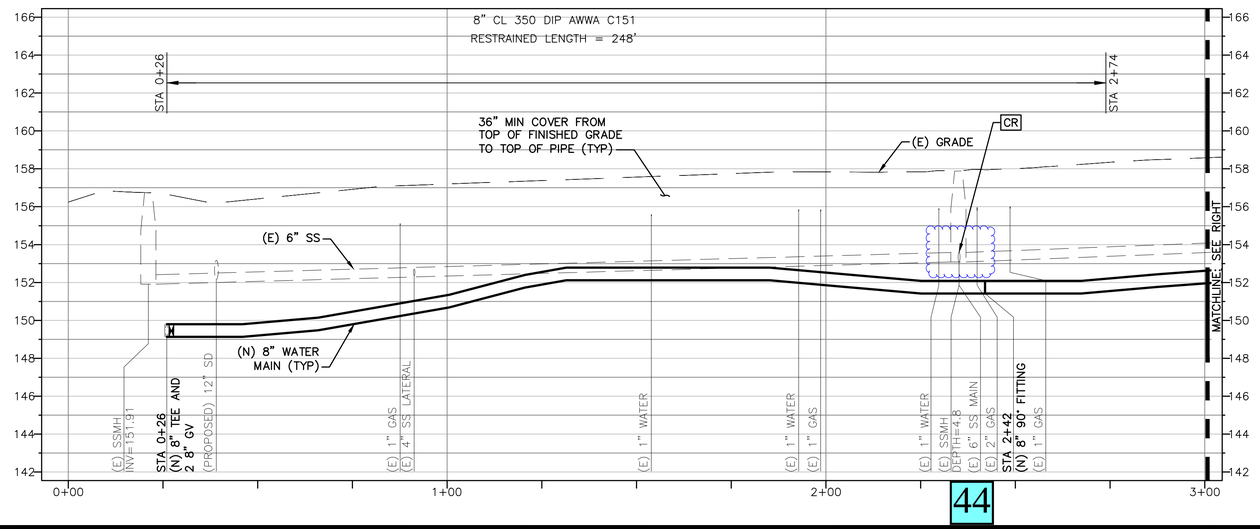


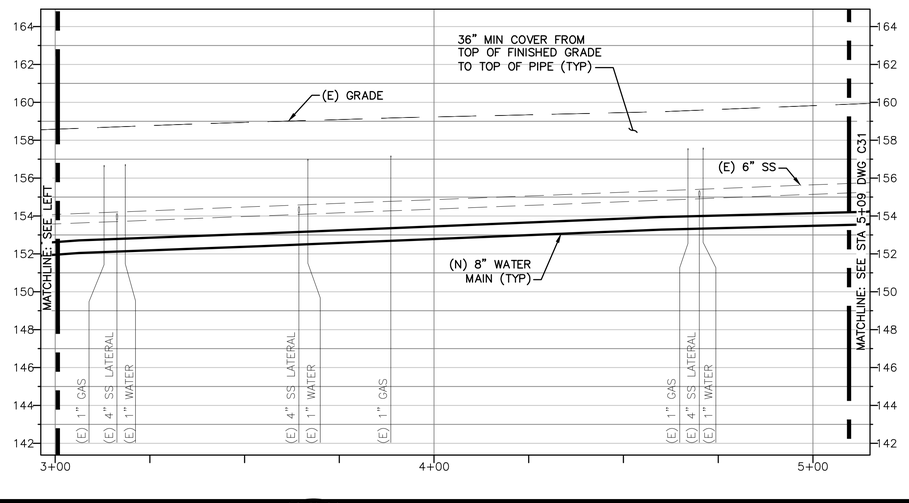
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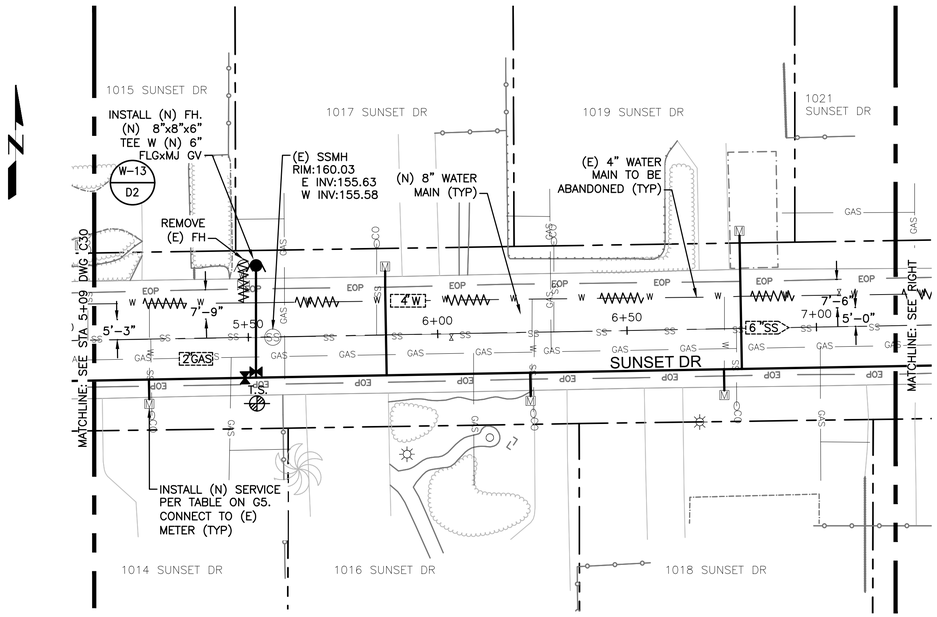
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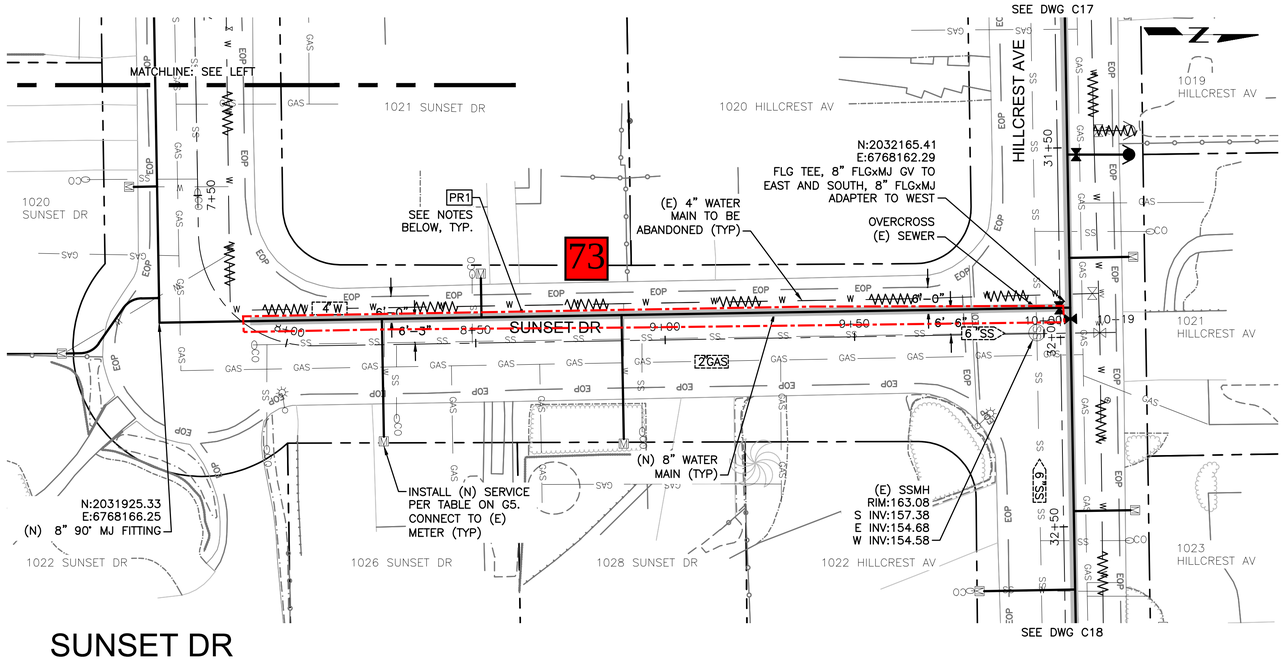
DOWNTOWN WATER MAINS REPLACEMENT PROJECT
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SUNSET DR PLAN AND PROFILE
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DWG. NO. C30
SHEET 36 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
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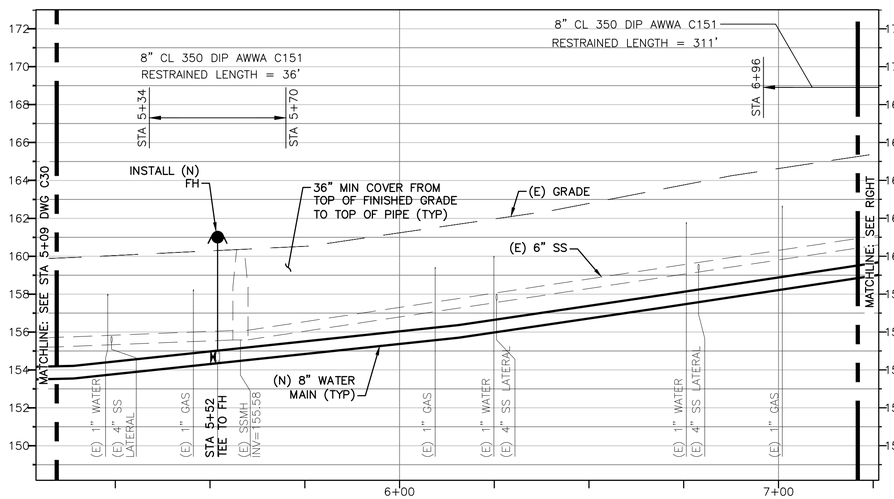
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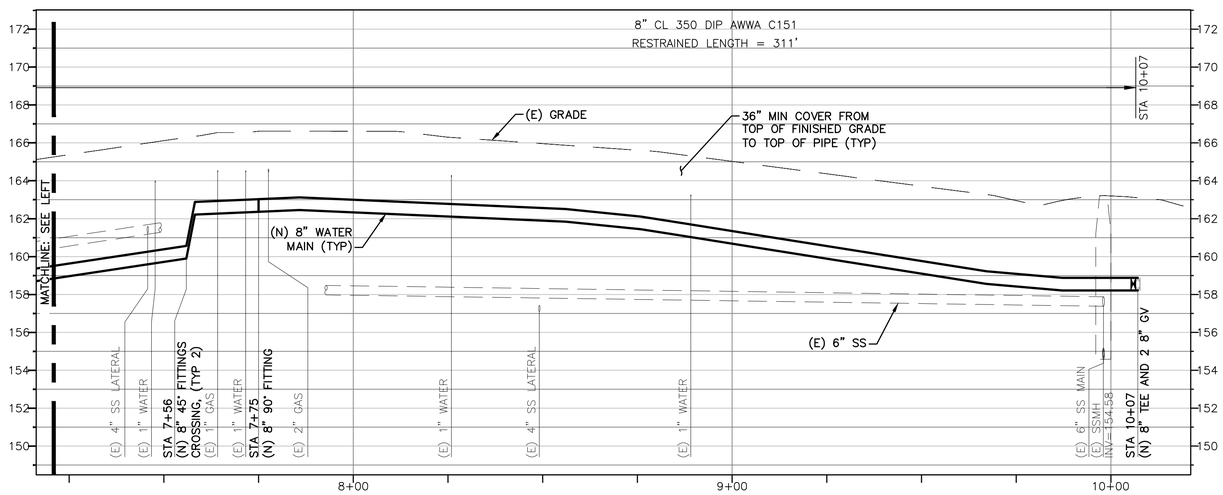
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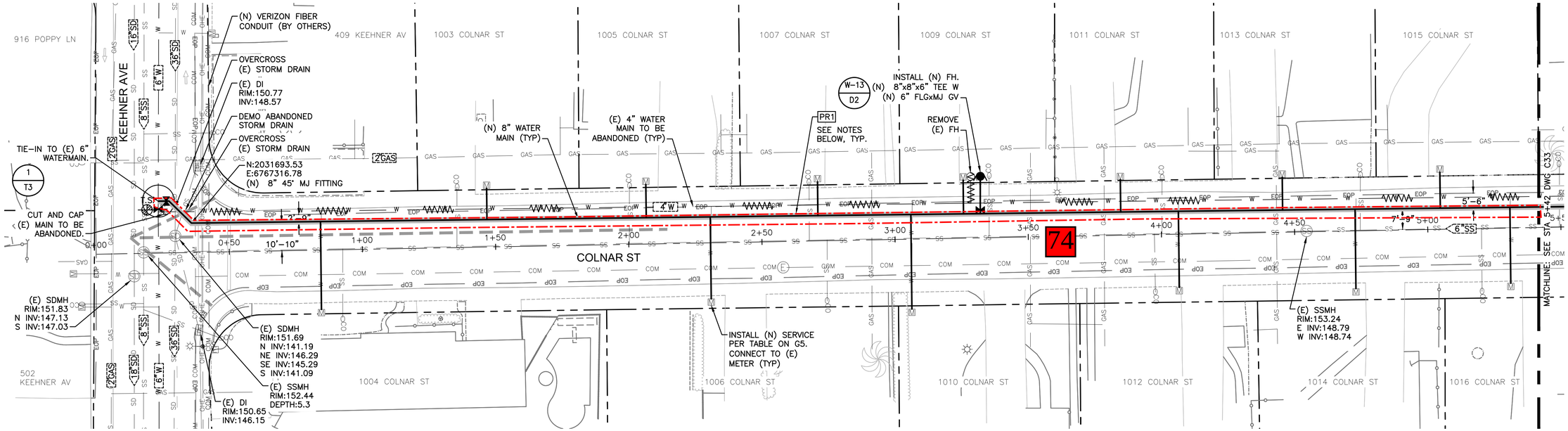
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

SUNSET DR PLAN AND PROFILE
STA 5+09 TO 10+19

DWG. NO. C31
SHEET 37 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



COLNAR ST

DDW WAIVER NOTES:
CONTRACTOR IS MADE AWARE THE PROJECT HAS RECEIVED A WAIVER FROM THE STATE WATER RESOURCES CONTROL BOARD DIVISION OF DRINKING WATER (DDW). CONTRACTOR MUST REVIEW THE WAIVER AND ALL ASSOCIATED REQUIREMENTS INCLUDED WITHIN THE SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL POTHOLING NECESSARY TO CONFIRM THE HORIZONTAL AND VERTICAL DISTANCES BETWEEN THE NEW WATER PIPELINE AND THE EXISTING STORM DRAIN AND SEWER FACILITIES. CONTRACTOR IS RESPONSIBLE TO PROVIDE DOCUMENTATION AT ALL DDW WAIVER LOCATIONS INCLUDING PHOTOGRAPHS AND MEASUREMENTS REQUIRED TO DEMONSTRATE COMPLIANCE WITH THE APPROVED WAIVER (SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION). SEE NOTES BELOW RELATED TO WAIVER LOCATIONS IDENTIFIED BASED ON UTILITY INFORMATION GATHERED DURING DESIGN. ALL LOCATIONS MUST BE FIELD VERIFIED BY THE CONTRACTOR.

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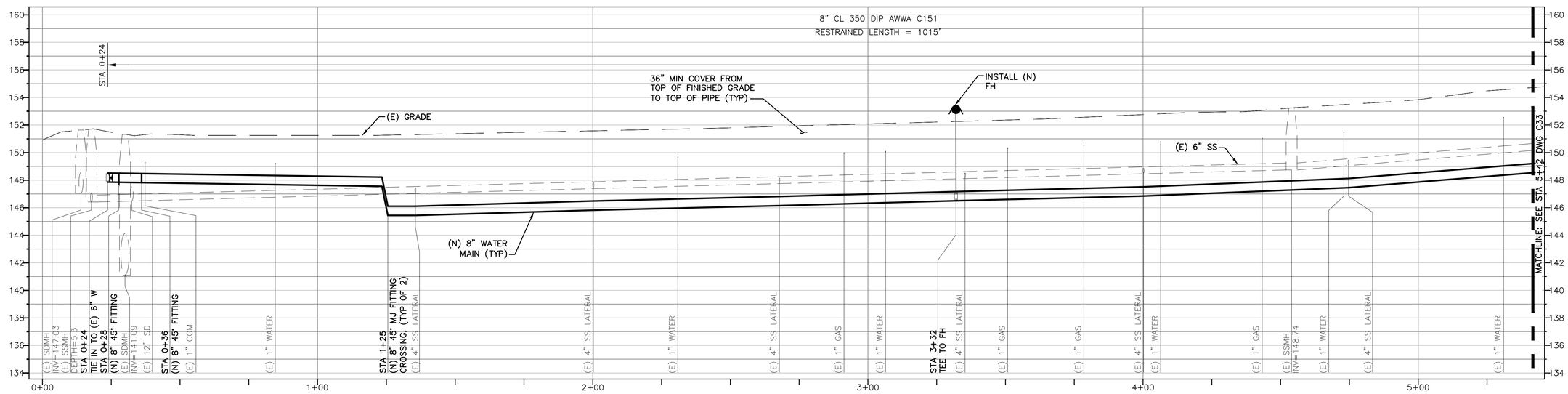
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Legend for Full Plan Set:

- # Water main crossing existing non-potable fluid pipeline
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- Length of water main paralleling existing non-potable fluid pipeline



REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION
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SCALE: HORZ 1"=20' VERT 1"=4'

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DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

DOMENICHELLI & ASSOCIATES
5180 Golden Foothill Parkway Ste. 220
El Dorado Hills, CA 95762
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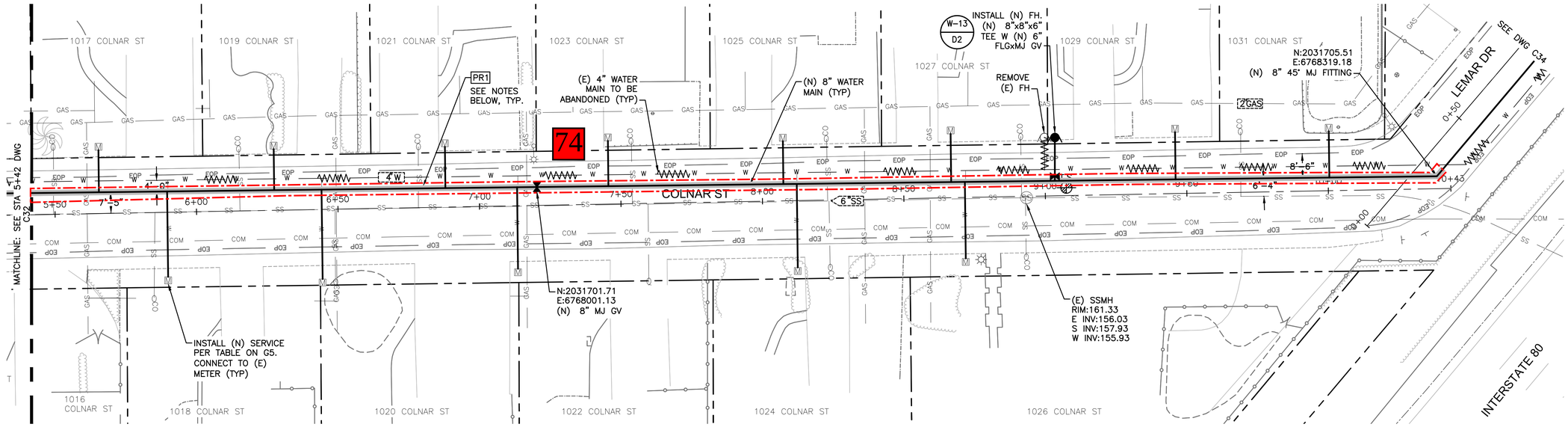
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

COLNAR ST PLAN AND PROFILE
STA 0+00 TO 5+42

DWG. NO. C32
SHEET 38 OF 58

Z:\CITY OF ROSEVILLE\ERSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\ERSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



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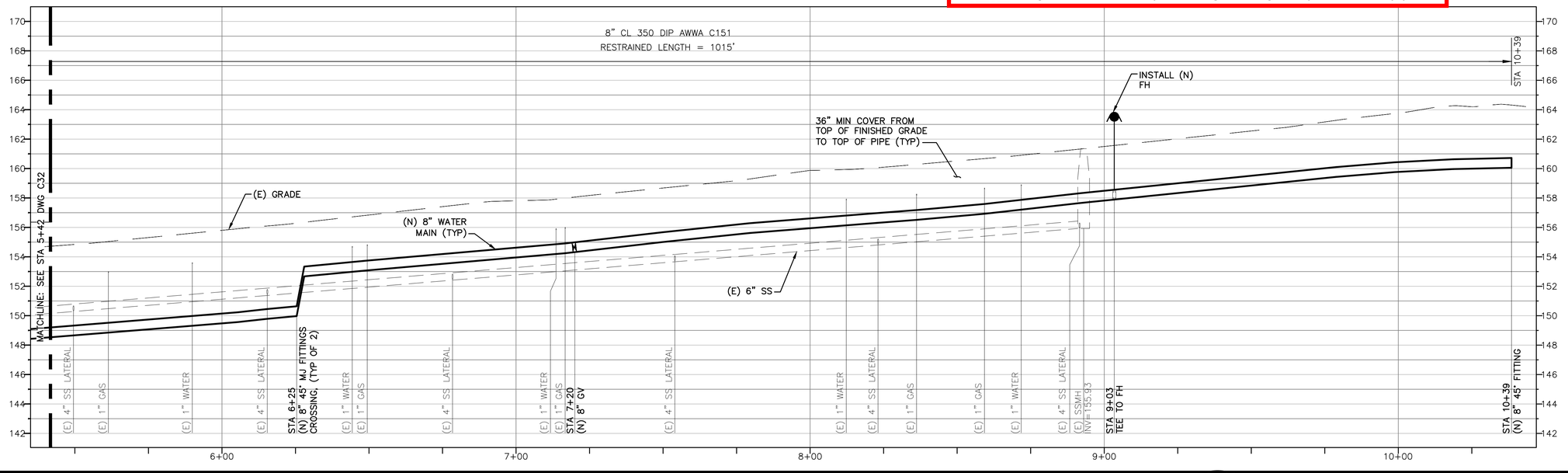
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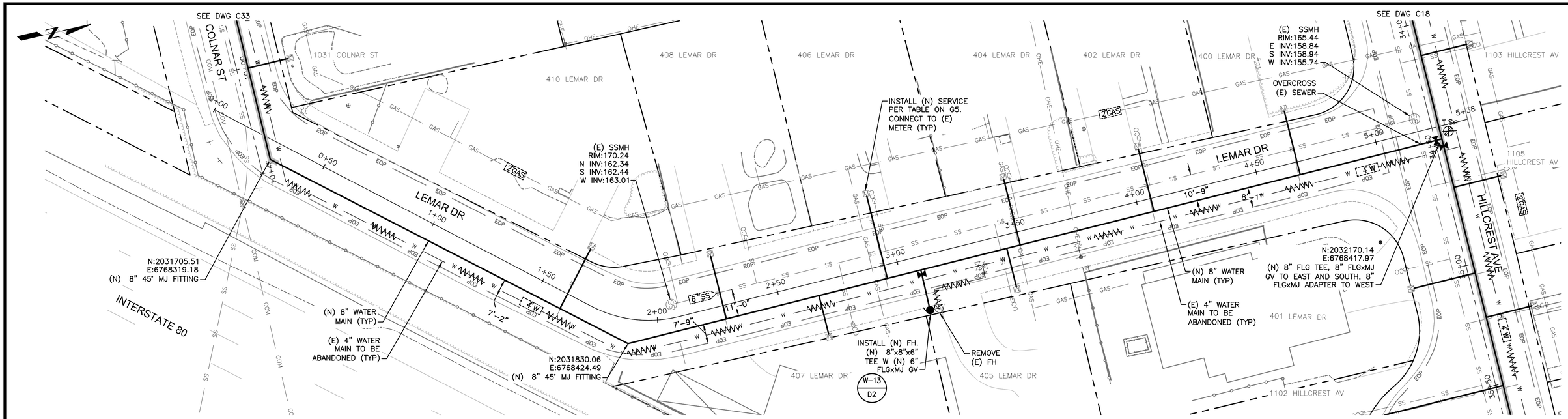
REGISTERED PROFESSIONAL ENGINEER THOMAS M. [illegible] NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

COLNAR ST PLAN AND PROFILE
STA 5+42 TO 10+43

DWG. NO. C33
SHEET 39 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



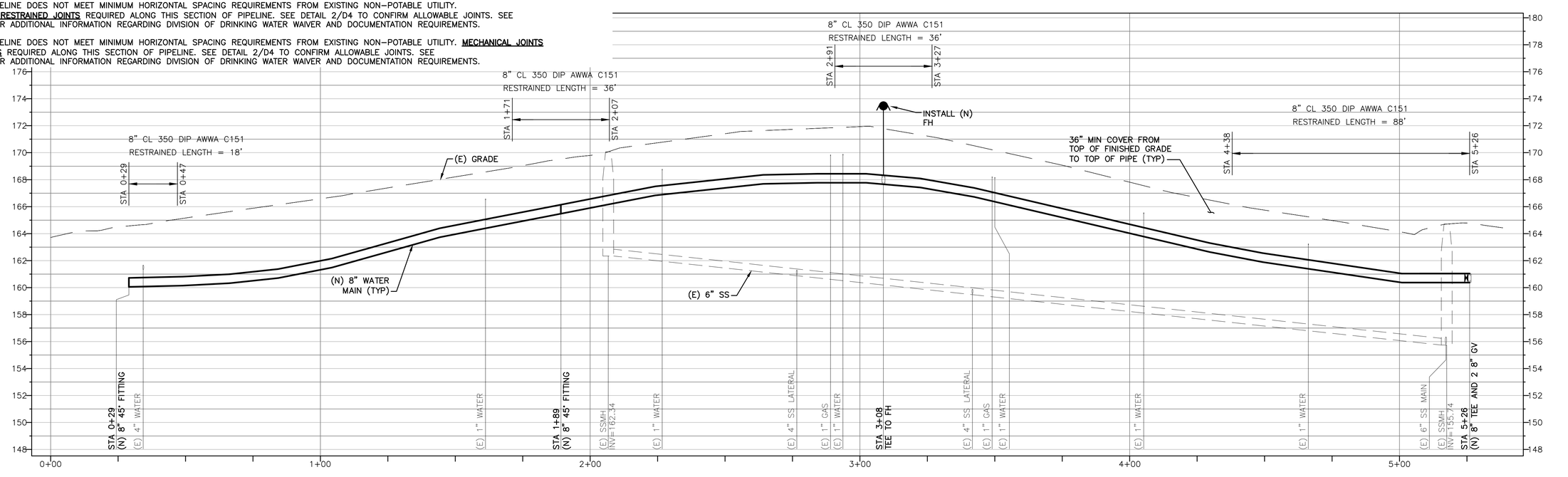
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DESIGNED T. DUGAN
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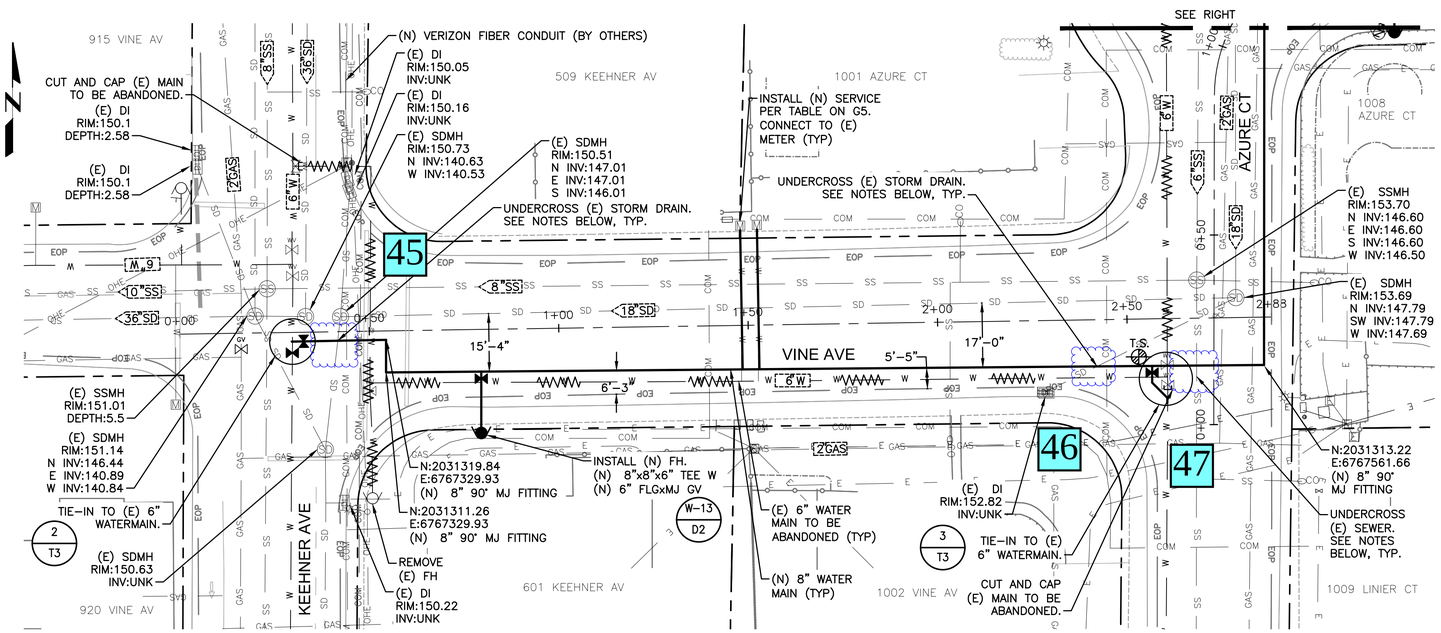
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

LEMAR DR PLAN AND PROFILE
STA 0+00 TO 5+38

DWG. NO. C34
SHEET 40 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



VINE AVE / AZURE CT

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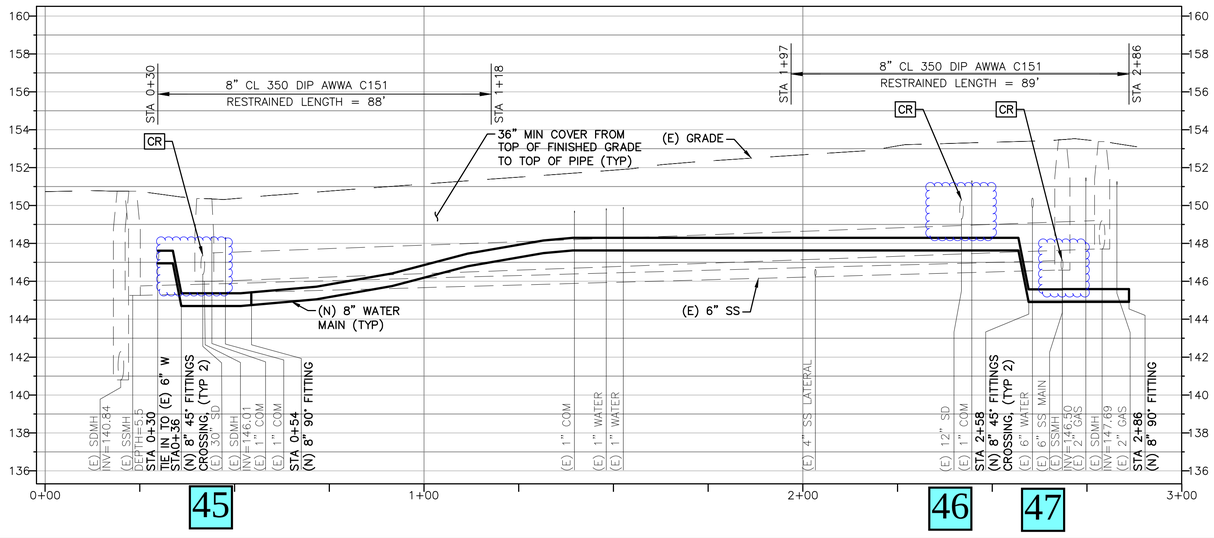
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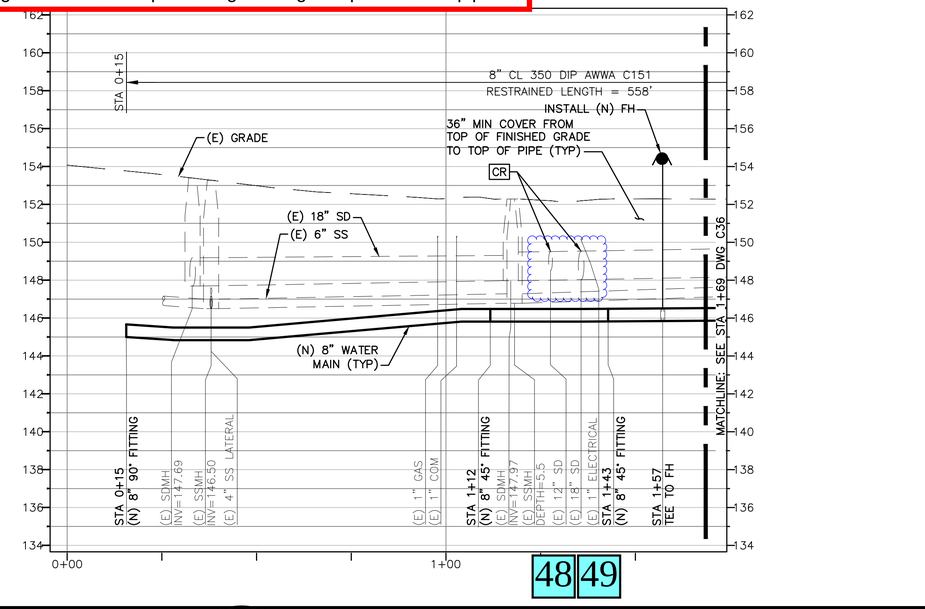
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Legend for Full Plan Set:

- # Water main crossing existing non-potable fluid pipeline
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SCALE: HORZ 1"=20' VERT 1"=4'

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DOWNTOWN WATER MAINS REPLACEMENT PROJECT
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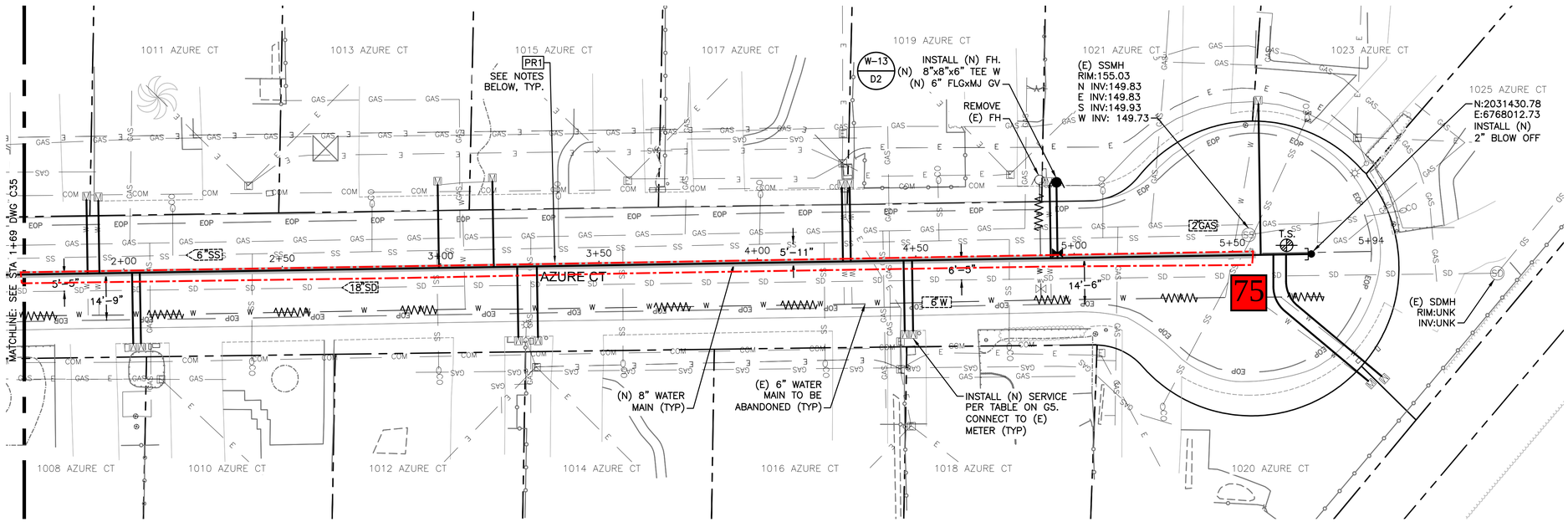
VINE AVE / AZURE CT PLAN AND PROFILE
STA 0+00 TO 2+88 / STA 0+00 TO 1+69

DWG. NO. C35

SHEET 41 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 H

20201013.110636



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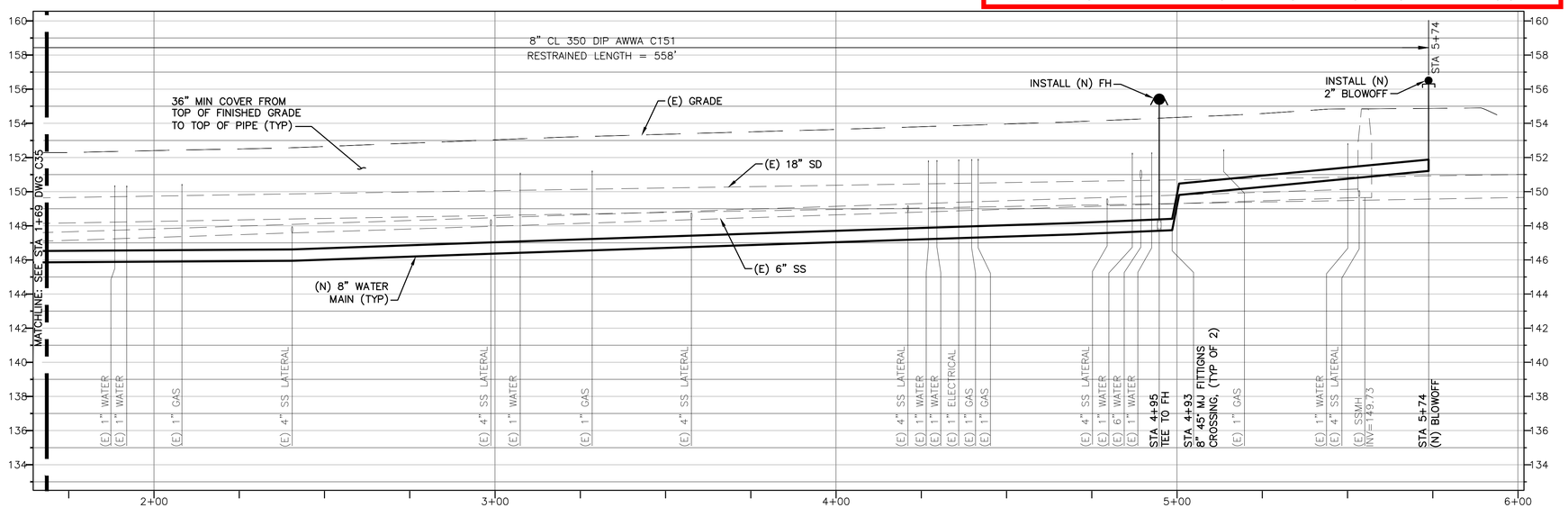
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AZURE CT

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ROSEVILLE, CA 95747 PHONE: 916-774-5750

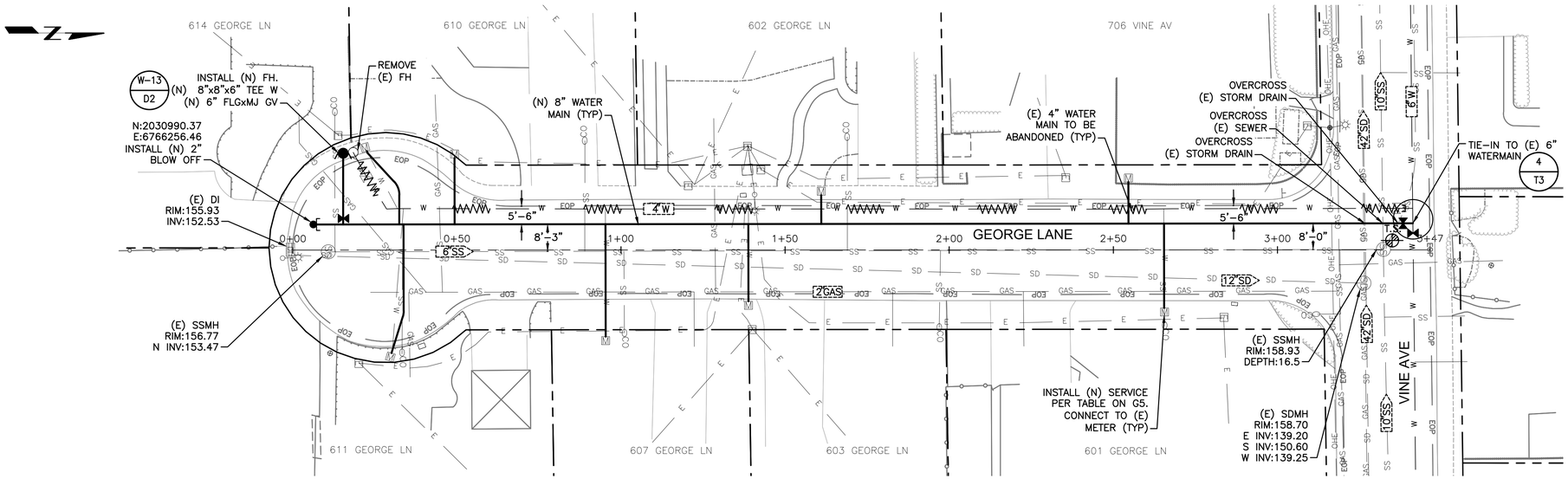
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

AZURE CT PLAN AND PROFILE
STA 1+69 TO 5+94

DWG. NO. C36
SHEET 42 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636

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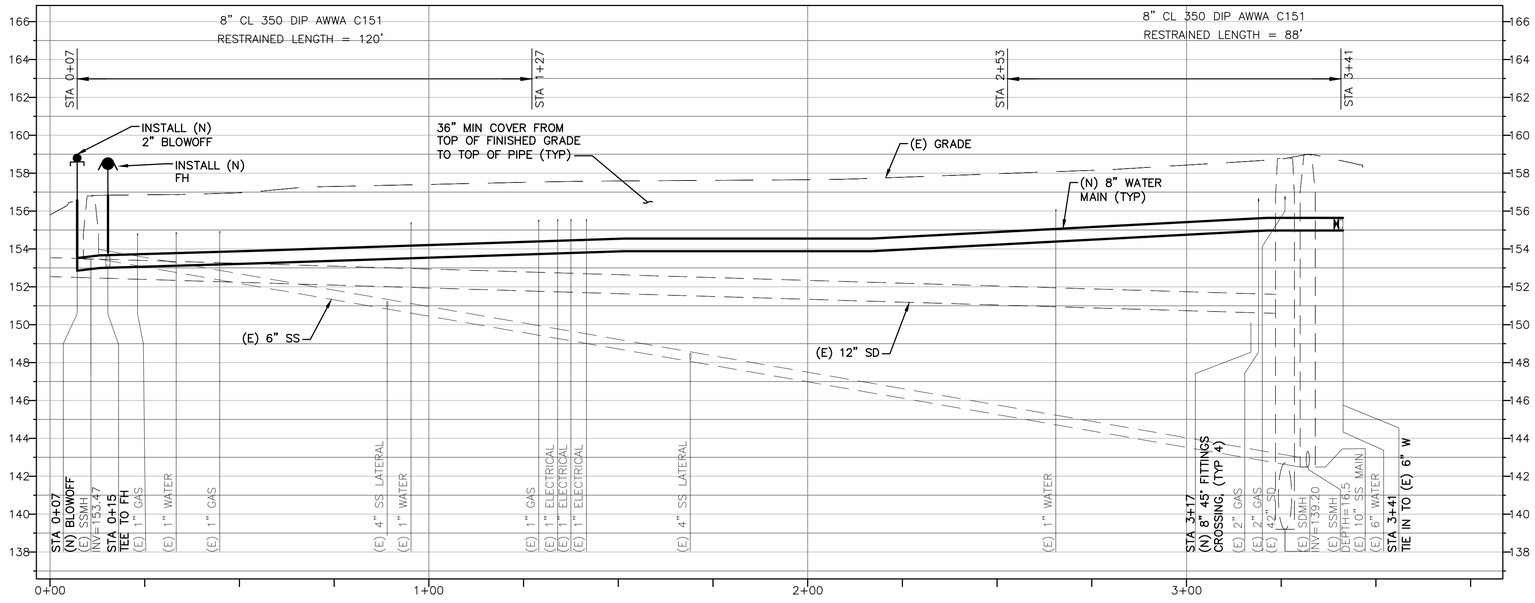
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GEORGE LANE

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REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION
REV	DATE	BY	DESCRIPTION

SCALE:
HORZ 1"=20'
VERT 1"=4'

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

DOMENICHELLI & ASSOCIATES
5180 Golden Foothill Parkway Ste. 220
El Dorado Hills, CA 95762
Ph: (916) 933-1997
Fax: (916) 933-4778

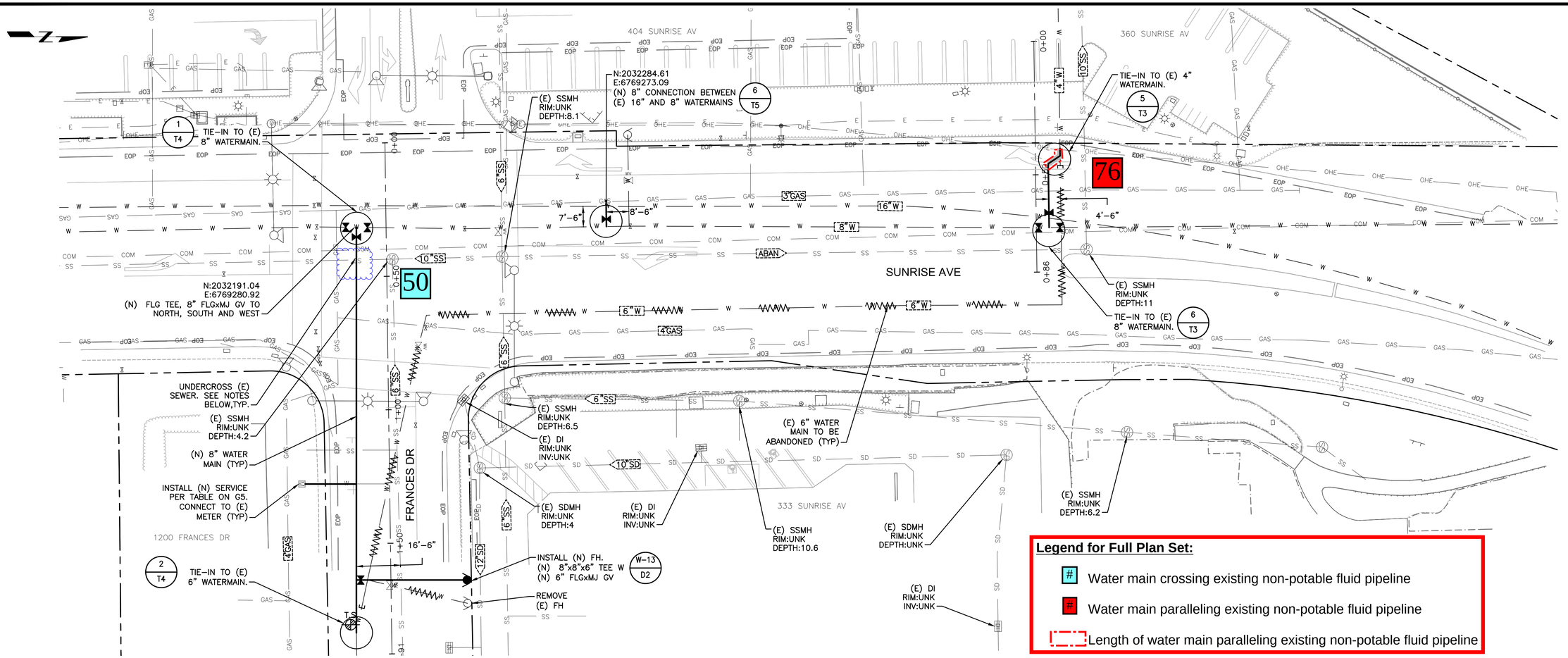
CITY OF ROSEVILLE CALIFORNIA
2005 HILLTOP CIRCLE
ROSEVILLE, CA 95747 PHONE: 916-774-5750

REGISTERED PROFESSIONAL ENGINEER – THOMAS M. DUGAN – NO. C68171 Exp. 9/30/21 – STATE OF CALIFORNIA – CIVIL

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

GEORGE LN PLAN AND PROFILE
STA 0+00 TO 3+47

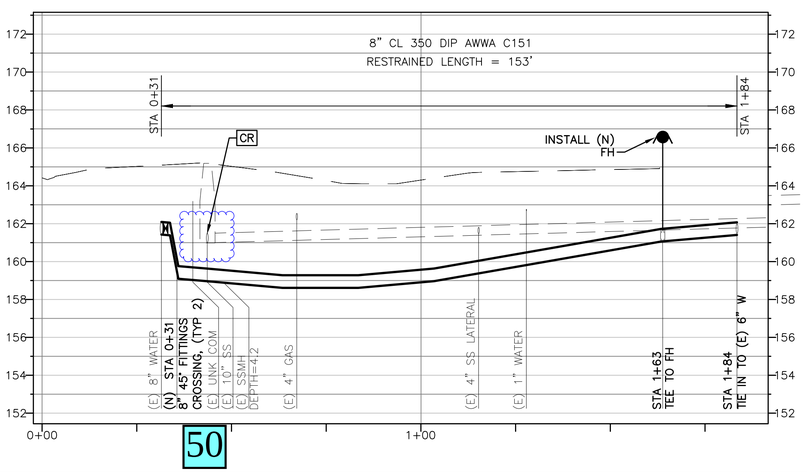
DWG. NO. C37
SHEET 43 OF 58



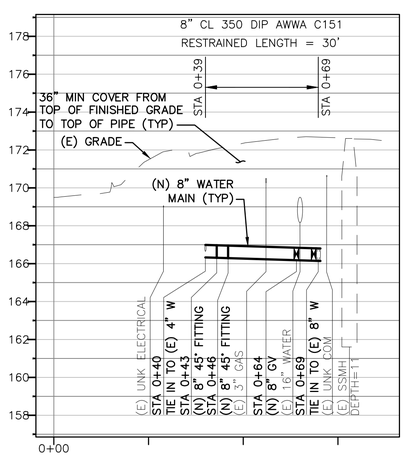
Legend for Full Plan Set:

- # Water main crossing existing non-potable fluid pipeline
- # Water main paralleling existing non-potable fluid pipeline
- Length of water main paralleling existing non-potable fluid pipeline

FRANCES DR



SUNRISE AVE



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4. CONTRACTOR MUST REPLACE EXISTING TRAFFIC SIGNAL DETECTOR LOOPS DAMAGED DURING CONSTRUCTION PER THE CITY OF ROSEVILLE STANDARDS. ALL LOOPS DAMAGED MUST BE REPLACED AT THE CONTRACTOR'S EXPENSE.

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	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION
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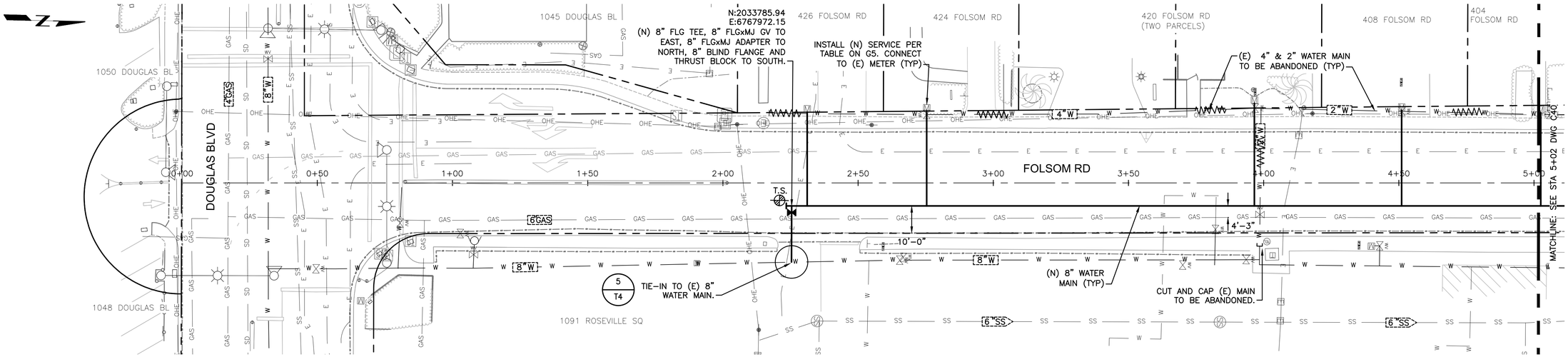
CITY OF ROSEVILLE CALIFORNIA
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REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD
FRANCES DR / SUNRISE AVE PLAN AND PROFILE
STA 0+00 TO 1+91 & 0+00 TO 0+86

DWG. NO. C38
SHEET 44 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201014.084323



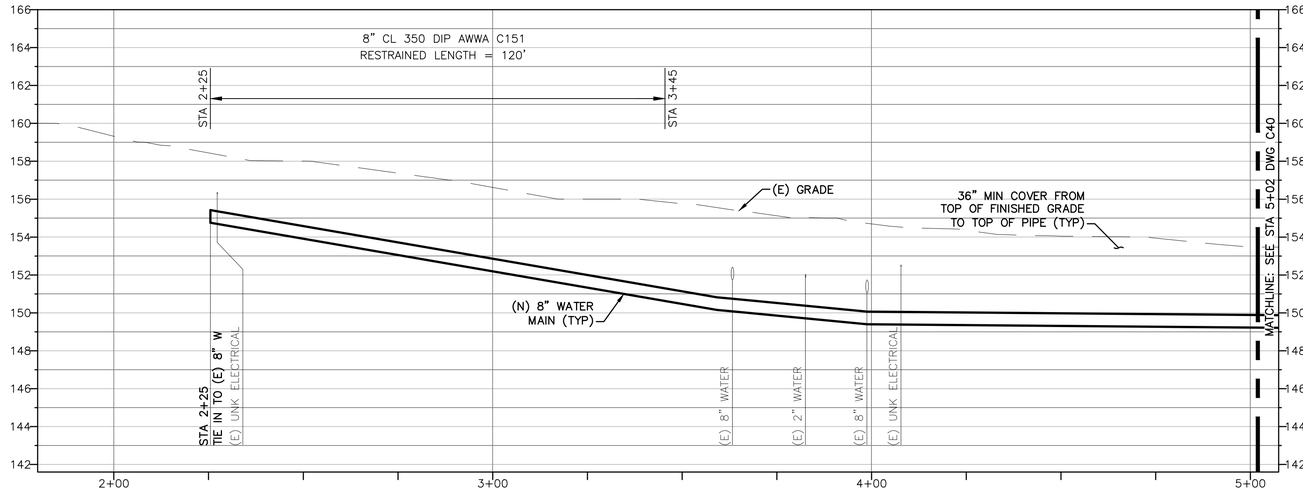
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0 1/2 1
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DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

DOMENICHELLI & ASSOCIATES
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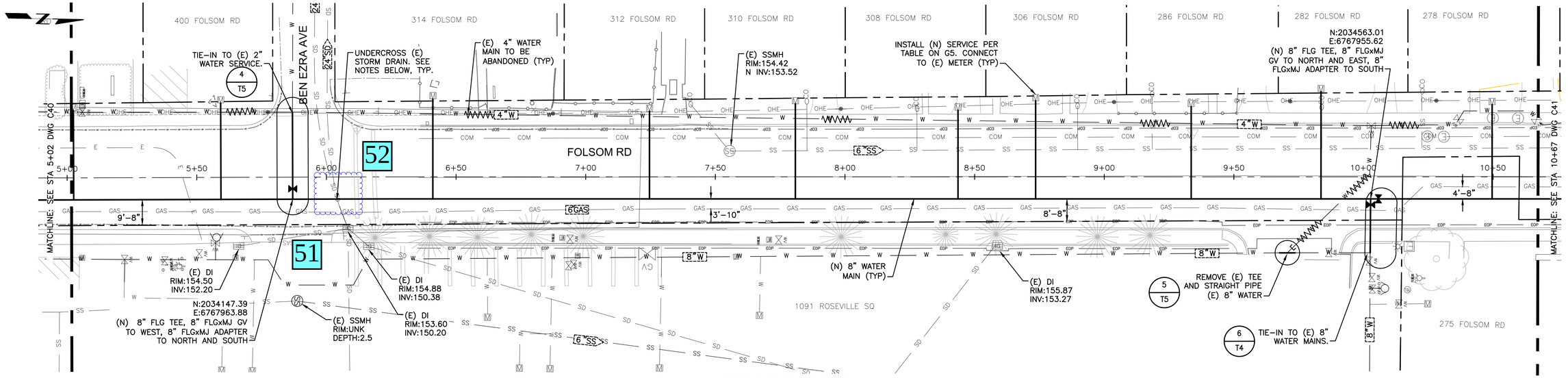
REGISTERED PROFESSIONAL ENGINEER – THOMAS M. LUTH – NO. C68171 Exp. 9/30/21 – CIVIL – STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

FOLSOM RD PLAN AND PROFILE
STA 0+00 TO 5+02

DWG. NO. C39
SHEET 45 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



FOLSOM RD

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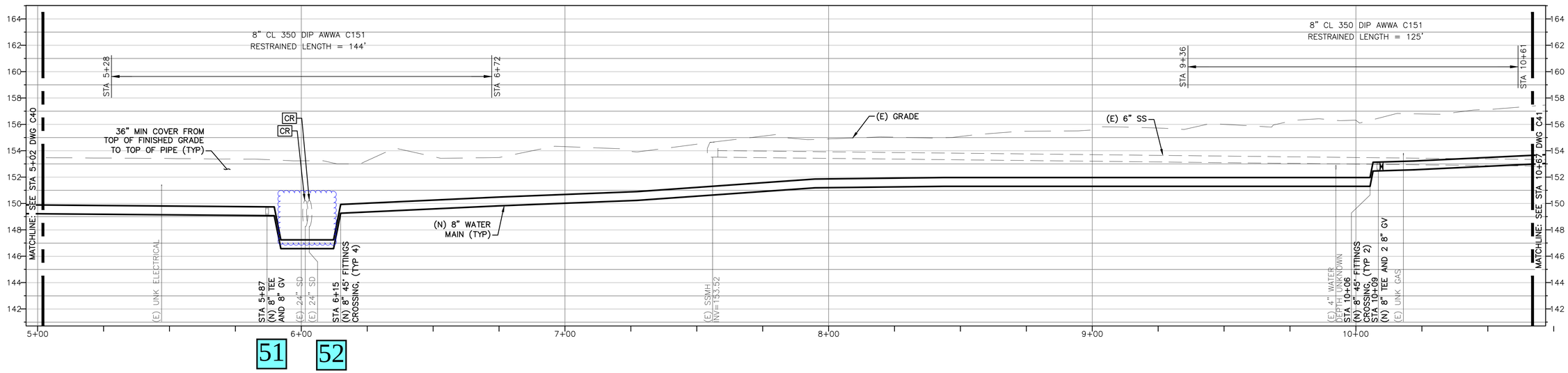
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Legend for Full Plan Set:

- [#] Water main crossing existing non-potable fluid pipeline
- [#] Water main paralleling existing non-potable fluid pipeline
- Length of water main paralleling existing non-potable fluid pipeline



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SCALE: HORZ 1"=20' VERT 1"=4'

WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

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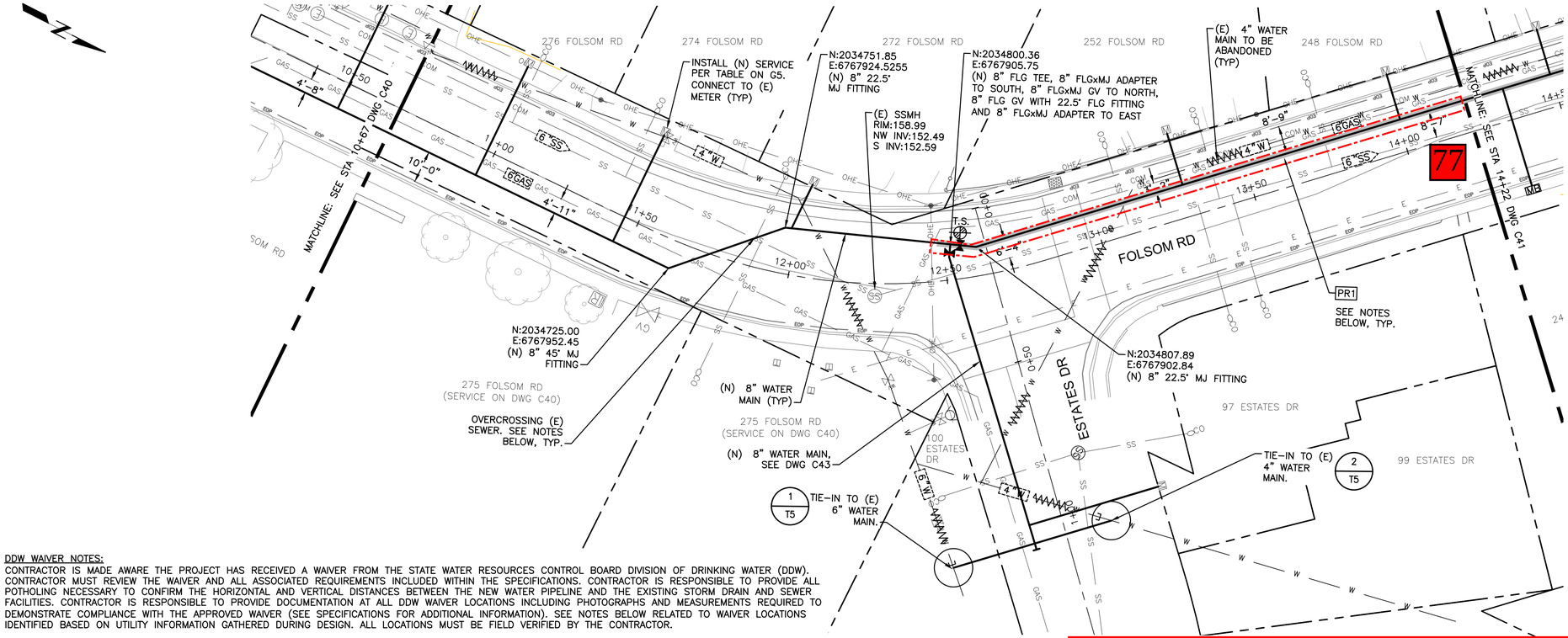
REGISTERED PROFESSIONAL ENGINEER – THOMAS M. DUGAN – NO. C68171 – Exp. 9/30/21 – CIVIL – STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

FOLSOM RD PLAN AND PROFILE
STA 5+02 TO 10+67

DWG. NO. C40
SHEET 46 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



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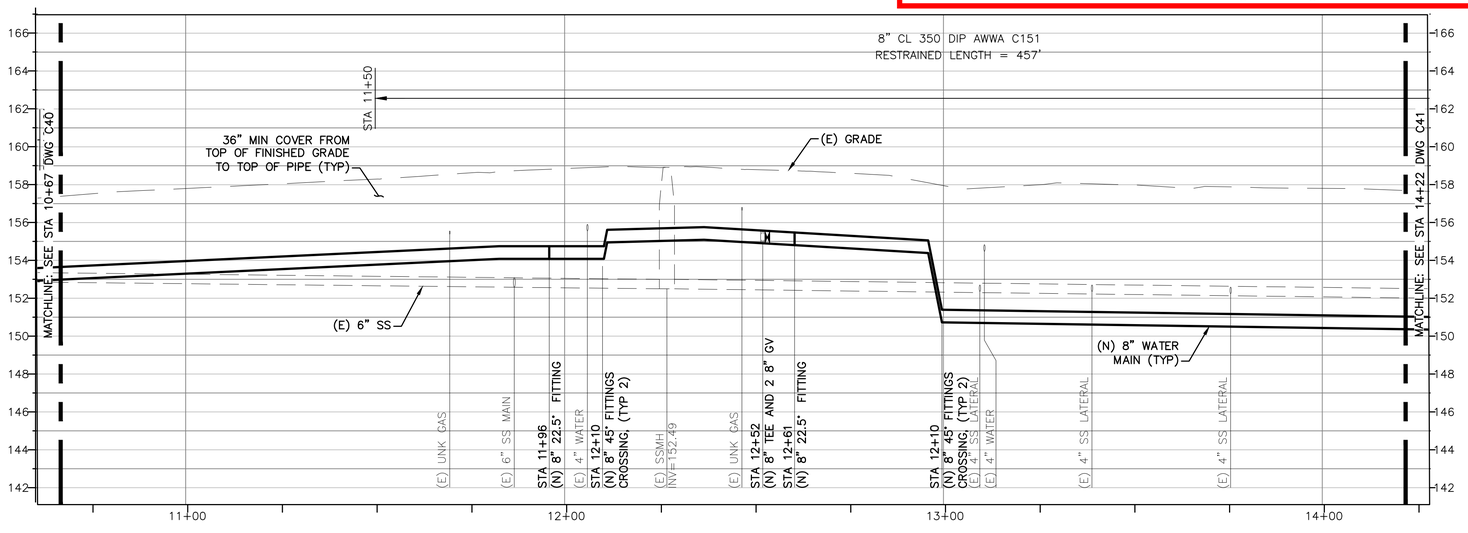
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FOLSOM RD

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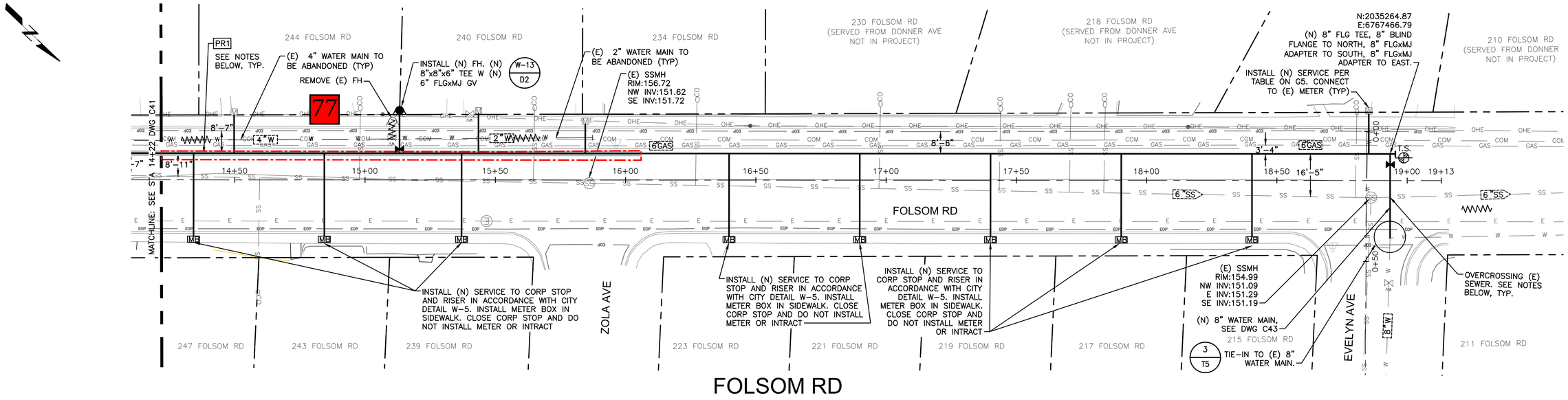
REGISTERED PROFESSIONAL ENGINEER THOMAS M. [illegible] NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

FOLSOM RD PLAN AND PROFILE
STA 10+67 TO 14+22

DWG. NO. C41
SHEET 47 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



FOLSOM RD

DDW WAIVER NOTES:
CONTRACTOR IS MADE AWARE THE PROJECT HAS RECEIVED A WAIVER FROM THE STATE WATER RESOURCES CONTROL BOARD DIVISION OF DRINKING WATER (DDW). CONTRACTOR MUST REVIEW THE WAIVER AND ALL ASSOCIATED REQUIREMENTS INCLUDED WITHIN THE SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL POTHOLING NECESSARY TO CONFIRM THE HORIZONTAL AND VERTICAL DISTANCES BETWEEN THE NEW WATER PIPELINE AND THE EXISTING STORM DRAIN AND SEWER FACILITIES. CONTRACTOR IS RESPONSIBLE TO PROVIDE DOCUMENTATION AT ALL DDW WAIVER LOCATIONS INCLUDING PHOTOGRAPHS AND MEASUREMENTS REQUIRED TO DEMONSTRATE COMPLIANCE WITH THE APPROVED WAIVER (SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION). SEE NOTES BELOW RELATED TO WAIVER LOCATIONS IDENTIFIED BASED ON UTILITY INFORMATION GATHERED DURING DESIGN. ALL LOCATIONS MUST BE FIELD VERIFIED BY THE CONTRACTOR.

CR – SEWER AND/OR STORM DRAIN CROSSING IDENTIFIED IN DDW WAIVER. SEE APPROVED WAIVER AND ASSOCIATED TABLES FOR SPECIFIC LOCATION IDENTIFICATION (NUMBER). CROSSING MUST MEET THE REQUIREMENTS OF THE DDW WAIVER AND DETAIL 1/D4 – CROSSING UTILITIES DETAILS.

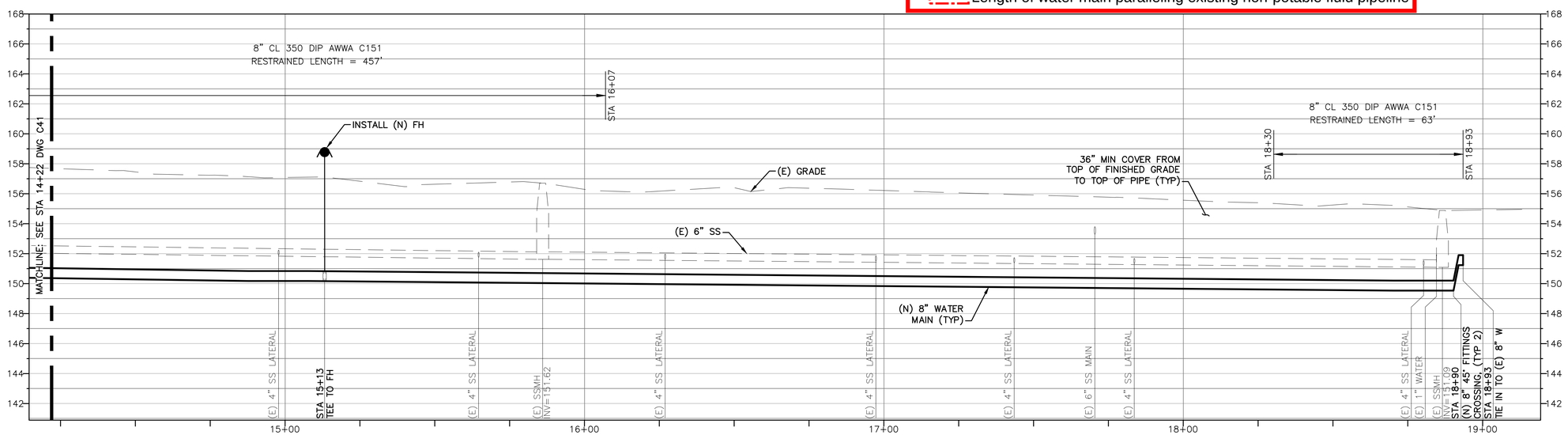
PR1 – SECTION OF PIPELINE DOES NOT MEET MINIMUM HORIZONTAL SPACING REQUIREMENTS FROM EXISTING NON-POTABLE UTILITY. PUSH-ON-JOINTS RESTRAINED JOINTS REQUIRED ALONG THIS SECTION OF PIPELINE. SEE DETAIL 2/D4 TO CONFIRM ALLOWABLE JOINTS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING DIVISION OF DRINKING WATER WAIVER AND DOCUMENTATION REQUIREMENTS.

PR2 – SECTION OF PIPELINE DOES NOT MEET MINIMUM HORIZONTAL SPACING REQUIREMENTS FROM EXISTING NON-POTABLE UTILITY. MECHANICAL JOINTS RESTRAINED JOINTS REQUIRED ALONG THIS SECTION OF PIPELINE. SEE DETAIL 2/D4 TO CONFIRM ALLOWABLE JOINTS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING DIVISION OF DRINKING WATER WAIVER AND DOCUMENTATION REQUIREMENTS.

GENERAL NOTES
1. ALL WORK TO ABANDON AND CAP MAINS OR REMOVE OR ABANDON FH ON PLANS, MUST NOT BEGIN UNTIL NEW WATER MAIN IS TESTED, CONNECTED, AND OPERATIONAL, UNLESS OTHERWISE NOTED.
2. ALL WATER LINE FITTINGS MUST BE RESTRAINED BY DEVICES AND/OR THRUST BLOCKS. REFER TO CITY OF ROSEVILLE STANDARDS.
3. JOINT DEFLECTION NOTE – CONTRACTOR IS MADE AWARE THAT PLANS AND PROFILES WERE DEVELOPED USING DIP ALLOWABLE JOINT DEFLECTIONS. CONTRACTOR IS RESPONSIBLE TO DETERMINE ANY ADDITIONAL FITTINGS REQUIRED FOR THE USE OF PVC PIPE. ALL FITTINGS MUST BE INCLUDED WITH THE GUARANTEED MAXIMUM PRICE. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING CITY AND MANUFACTURER STANDARDS FOR ALL JOINT DEFLECTIONS (WHICHEVER IS MORE CONSERVATIVE).

Legend for Full Plan Set:

- # Water main crossing existing non-potable fluid pipeline
- # Water main paralleling existing non-potable fluid pipeline
- Length of water main paralleling existing non-potable fluid pipeline



REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION
REV	DATE	BY	DESCRIPTION

SCALE: HORZ 1"=20' VERT 1"=4'

WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

DOMENICHELLI & ASSOCIATES
5180 Golden Foothill Parkway Ste. 220 El Dorado Hills, CA 95762
Ph: (916) 933-1997 Fax: (916) 933-4778

CITY OF ROSEVILLE CALIFORNIA
2005 HILLTOP CIRCLE ROSEVILLE, CA 95747 PHONE: 916-774-5750

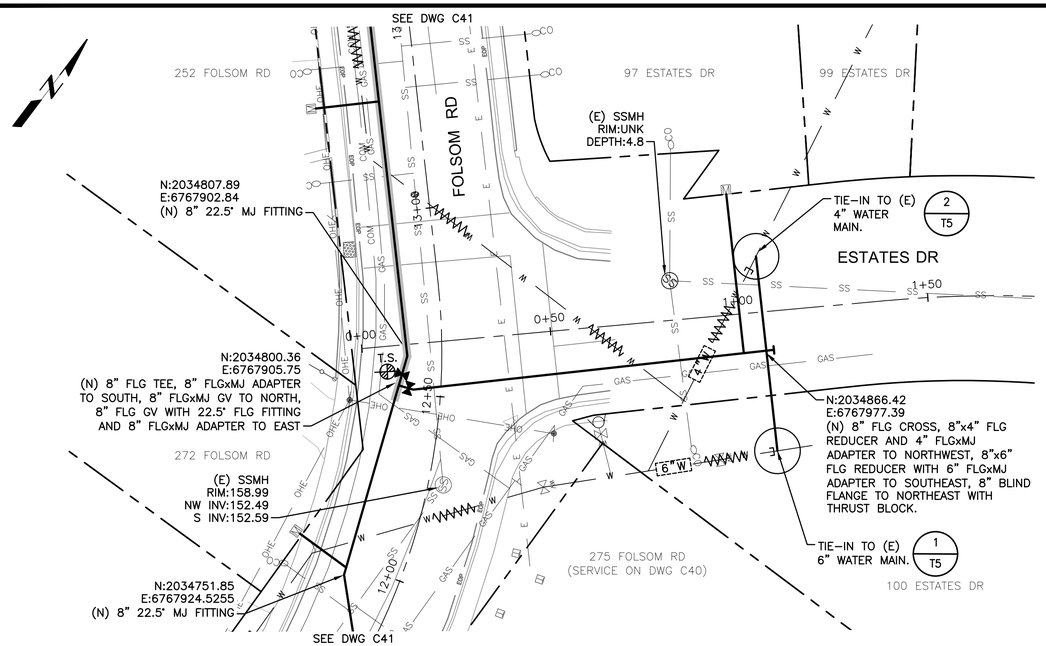
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

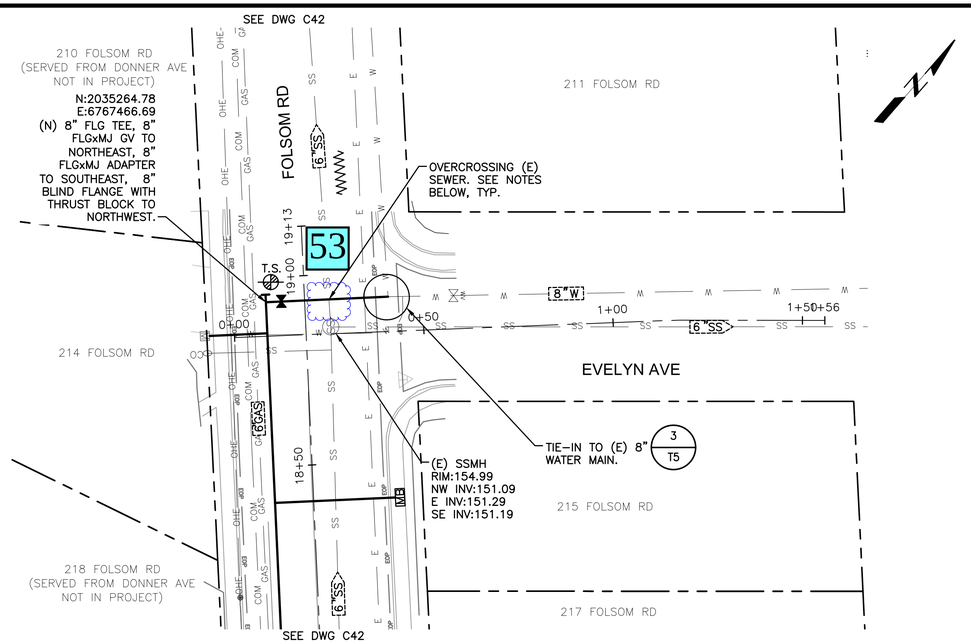
FOLSOM RD PLAN AND PROFILE
STA 14+22 TO 19+13

DWG. NO. C42
SHEET 48 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



ESTATES DR



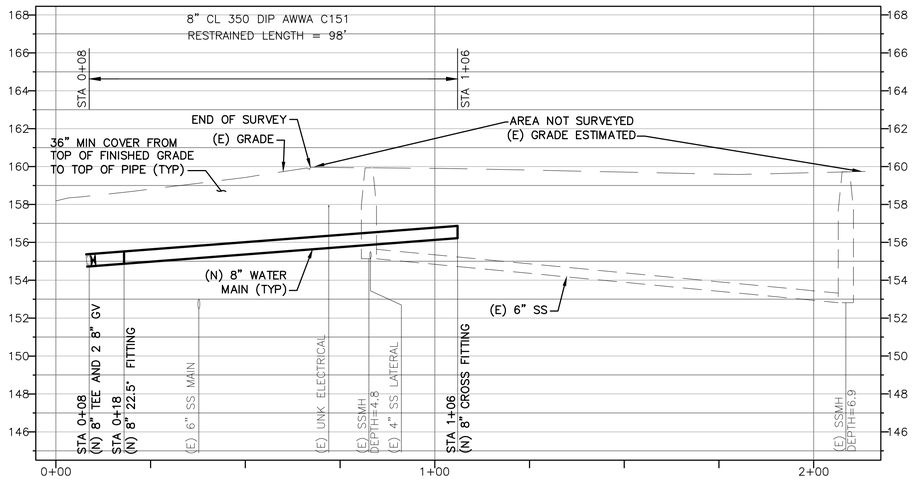
EVELYN AVE

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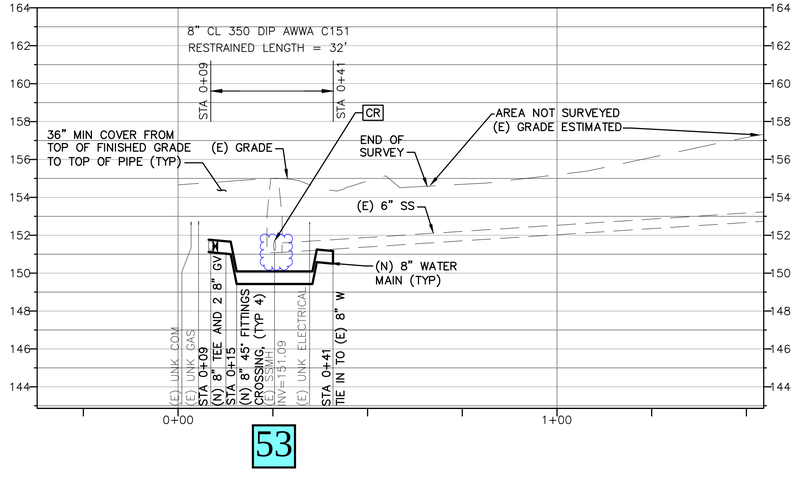
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Legend for Full Plan Set:

- # Water main crossing existing non-potable fluid pipeline
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53

REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION
REV	DATE	BY	DESCRIPTION

SCALE:
HORZ 1"=20'
VERT 1"=4'

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

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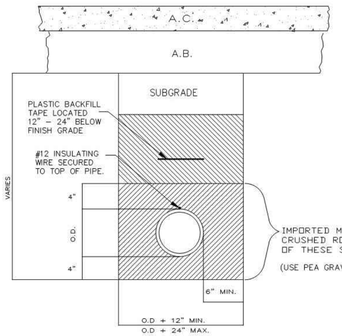
REGISTERED PROFESSIONAL ENGINEER – THOMAS M. LUTZ – NO. C68171 Exp. 9/30/21 – CIVIL – STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

ESTATES RD / EVELYN AVE PLAN AND PROFILE
STA 0+00 TO 1+50 AND 0+00 TO 1+56

DWG. NO. C43
SHEET 49 OF 58

Z:\CITY OF ROSEVILLE\IRSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\IRSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



TRENCH BACKFILL REQUIREMENTS:

1. PROPOSED STREETS – REFER TO DETAIL TB–1 OF SECTION 31 FOR BACKFILL REQUIREMENTS ABOVE THE PIPE ZONE. *
2. EXISTING STREETS – REFER TO DETAILS TB–1 AND TB–3 OF SECTION 31 FOR BACKFILL REQUIREMENTS ABOVE THE PIPE ZONE.

RICHARD PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

NOTES:

BACKFILL SHALL BE MECHANICALLY CONSOLIDATED OR SHOVEL SLICED UNDER THE HAUNCHES OF THE PIPE.

IN ROCKY OR UNYIELDING SOIL, THE TRENCH SHALL BE EXCAVATED A MINIMUM OF 12" BELOW THE PIPE AND THE TRENCH WIDTH SHALL BE INCREASED BY 12".

ONE 12" WIDE STRIP OF BACKFILL TAPE SHALL BE USED FOR EVERY 12" PIPE DIAMETER OR FRACTION THERE OF.

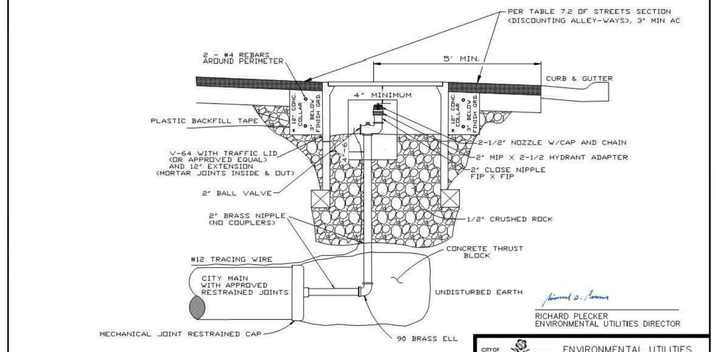
CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

WATER MAIN TRENCH AND BACKFILL

SCALE: NONE
REVISED: JANUARY 2019
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W–1

* SEE DETAIL 3/D4 FOR TRENCH BACKFILL REQUIREMENTS.



NOTE:
BURIED BRASS PIPE AND FITTINGS SHALL BE WRAPPED WITH 8 MIL POLYETHYLENE OR APPROVED EQUAL.

BLOWOFFS OUTSIDE OF PAVED AREAS SHALL BE A MINIMUM OF 6" ABOVE GRADE AND MARKED WITH A CARSONITE MARKER.

* OPTION: CONCRETE COLLAR MAY BE PLACED FLUSH TO FINISHED SURFACE WITH MEDIUM BROOM FINISH PERPENDICULAR TO VEHICLE TRAVEL DIRECTION.

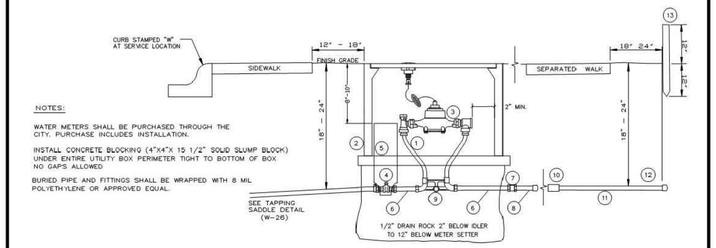
RICHARD PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

2" BLOWOFF HYDRANT ASSEMBLY

SCALE: NONE
REVISED: JANUARY 2020
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W–4



NOTES:

WATER METERS SHALL BE PURCHASED THROUGH THE CITY. PURCHASE INCLUDES INSTALLATION.

INSTALL CONCRETE BLOCKING (4"X4"X 15 1/2" SOLID SLUMP BLOCK) UNDER ENTIRE UTILITY BOX PERIMETER TIGHT TO BOTTOM OF BOX. NO GAPS ALLOWED

BURIED PIPE AND FITTINGS SHALL BE WRAPPED WITH 8 MIL POLYETHYLENE OR APPROVED EQUAL.

1) METER SETTER WITH IDLER
2)* N–30 UTILITY BOX WITH FL 30 METER LID FOR 1" SERVICE
3) WATER METER (PURCHASED THROUGH CITY)
4) CURB STOP (COMPRESSION X FIPT)
5) 4" DIA. BLUE SCHEDULE 40 RISER (NOTCHED OVER PIPE AT BASE)
6) 4" METER SPUD
7) BRASS COUPLING (FIPT X FIPT)
8) 18" BRASS NIPPLE WITH END CAP (FOR ATTACHED SIDEWALK)
9) SCH. 40 PVC THROUGH PIPE EYE
10) BRASS–PVC ADAPTER
11) 1 1/2" PVC
12) PVC END CAP
13) 2"X2" RDWD. STAKE PAINTED BLUE

* IF LOCATED IN THE DRIVEWAY USE A B1324 BOX W/STEEL CHECKER COVER #B1324–513H OR APPROVED EQUAL.

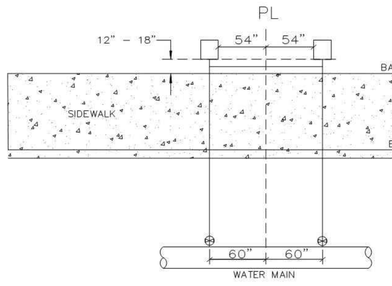
RICHARD PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

RESIDENTIAL 1" SERVICE LINE

SCALE: NONE
REVISED: JANUARY 2020
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W–5



NOTE: REFER TO DETAIL W–18 FOR "WATER SERVICE TRENCH AND BACKFILL"

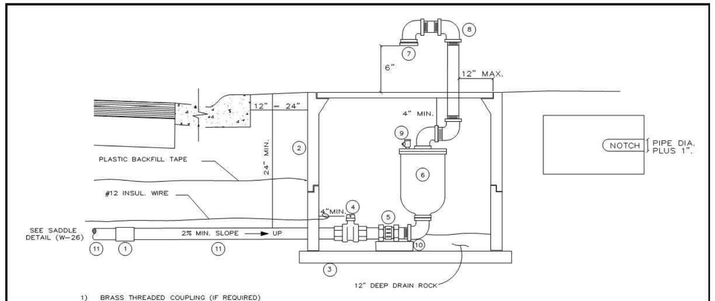
RICHARD PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

RESIDENTIAL WATER SERVICE

SCALE: NONE
REVISED: JANUARY 2016
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W–9



1) BRASS THREADED COUPLING (IF REQUIRED)
2) B–40 UTILITY BOX W/TRAFFIC COVER MARKED, "RSVL ARV" IF EXTENSION IS REQ. MOTAR EXTENSION JOINT INSIDE & OUT.
3) 3" x 5" CONCRETE BRICK UNDER ENTIRE PERIMETER OF UTILITY BOX.
4) CURB STOP
5) BRASS UNION
6) COMBINATION AIR / VACUUM VALVE
7) BRASS CAP WITH 9 DRILLED 1/16" HOLES OR APPROVED EQUAL.
8) USE GALVANIZED PIPE AND FITTINGS ABOVE GROUND
9) 1/4" TEST COCK
10) CONCRETE BLOCK FOR SUPPORT
11) THREADED BRASS PIPE

NOTE:
BURIED PIPE AND FITTINGS SHALL BE WRAPPED WITH 8 MIL POLYETHYLENE OR APPROVED EQUAL.

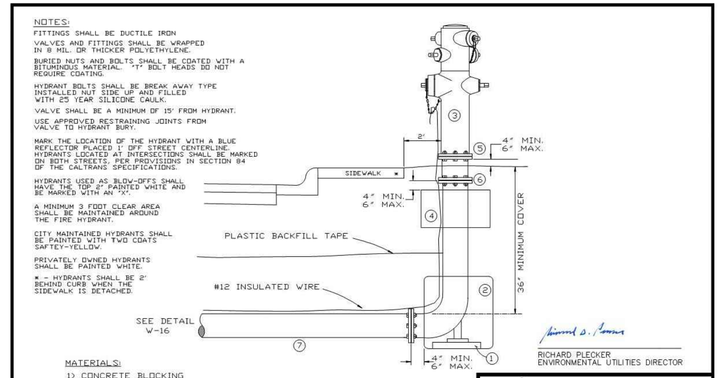
RICHARD PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

1" AND 2" AIR RELEASE VALVE ASSEMBLY

SCALE: NONE
REVISED: JANUARY 2017
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W–12



MATERIALS:
1) CONCRETE BLOCKING
2) CONCRETE SUPPORT AGAINST UNDISTURBED SOIL
3) FIRE HYDRANT (LEAD FREE)
4) 12" X 12" X 12" CONCRETE COLLAR FOR STABILITY
5) BREAK AWAY SPOOL WITH BREAK AWAY BOLTS ON HYDRANT FLANGE ONLY
6) NON-BREAKAWAY BOLTS
7) FULLY RESTRAINED DUCTILE IRON PIPE ENTIRE LENGTH

RICHARD PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

FIRE HYDRANT ASSEMBLY

SCALE: NONE
REVISED: JANUARY 2017
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W–13

REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION
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SCALE: N.T.S.

WARNING 0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

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DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

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REGISTERED PROFESSIONAL ENGINEER — THOMAS M. DOMENICHELLI — NO. C68171 Exp. 9/30/21 — CIVIL — STATE OF CALIFORNIA

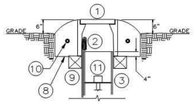
DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

STANDARD DETAILS 1

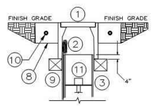
DWG. NO. D1

SHEET 50 OF 58

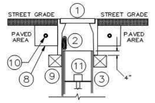
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20201007.094017



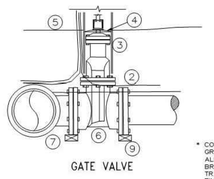
UNDEVELOPED AREA



LANDSCAPED AREA



PAVED AREA



GATE VALVE

MATERIALS

1) CONCRETE VALVE BOX
2) #12 INSULATED TRACING WIRE OUTSIDE RISER
3) 8" RISER STOCK
4) RISER ALIGNER
5) PLASTIC BACKFILL TAPE
6) GATE VALVE
7) DUCTILE IRON TEE
8) CONCRETE COLLAR (SEE NOTES) *
9) CONCRETE BRICK (SEE NOTES)
10) #4 REBAR AROUND CIRCUM. (TYP.)
11) VALVE EXTENSION PER SECTION 81-12.8

* CONCRETE COLLAR SHALL BE PLACED FLUSH TO FINISH GRADE IN ALL COLLECTORS AND ARTERIALS. OPTIONAL IN ALL OTHER ROADWAYS. FINISH SURFACE SHALL BE MEDIUM BROOM FINISH WITH PATTERN PERPENDICULAR TO VEHICLE TRAVEL DIRECTION. SET COLLAR 1/8" BELOW ADJACENT FINISHED PAVEMENTS.

NOTES:

TRACING WIRE THROUGH VALVE BOXES SHALL BE PLACED OUTSIDE OF RISER BUT INSIDE OF BOX.

TRACING WIRE SHALL BE SPLICED INSIDE THE VALVE BOX PER (W-17) AND SHALL LOOP WITHIN THE VALVE BOX WITH 18" OF SLACK WIRE

ALL GATE VALVES SHALL BE CENTERED IN A ONE PIECE RISER STOCK WITH THE USE OF A RISER ALIGNER

OPERATOR NUTS DEEPER THAN 40 INCHES FROM FINISH GRADE SHALL REQUIRE A VALVE NUT EXTENSION 2 FEET MINIMUM IN LENGTH.

VALVE BOXES LOCATED IN A PAVED AREA SHALL BE PLACED IN A 6" X 6" CONCRETE COLLAR A MINIMUM OF 3" BELOW PAVEMENT

VALVE BOXES LOCATED IN A LANDSCAPED AREA SHALL BE PLACED IN A 6" X 6" CONCRETE COLLAR AT FINISHED GRADE.

VALVE BOXES LOCATED IN AN UNDEVELOPED AREA SHALL BE PLACED IN A 12" DEEP BY 6" WIDE CONCRETE COLLAR 6 INCHES ABOVE GRADE.

INSTALL (3" X 5" CONCRETE BRICK) UNDER ENTIRE PERIMETER OF BOX.

VALVES AND FITTINGS SHALL BE WRAPPED AND SEALED IN 8 MIL POLYETHYLENE

VALVE RISOR STOCK SHALL BE A MINIMUM OF 4" INSIDE VALVE BOX AND MINIMUM 2" BELOW METAL RING.

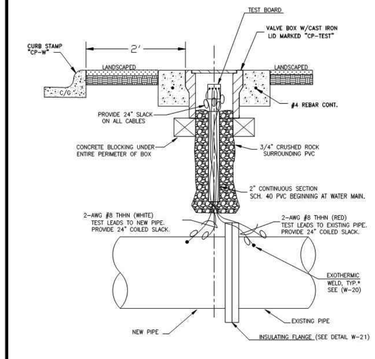
RICHARD PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

GATE VALVE & BOX

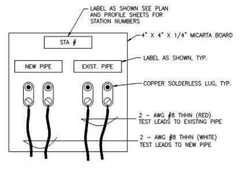
SCALE: NONE
REVISED: JANUARY 2020
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W-16



TEST STATION (TYPICAL)

*FOR VALVES WELD ON FLANGE



TEST STATION BOARD (TYPICAL)

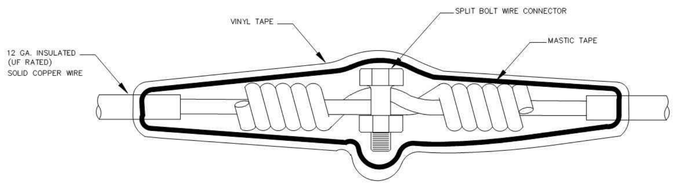
RICHARD PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

INSULATING FLANGE TEST STATION

SCALE: NONE
REVISED: JANUARY 2017
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W-19



NOTES:

1. TWIST THE WIRE A MINIMUM OF (5) TIMES ON EACH END.
2. INSTALL SPLIT BOLT CONNECTOR.
3. SOLDER WIRE.
4. COVER THE ENTIRE SPLICE WITH MASTIC TAPE WRAP
5. WRAP MASTIC WITH VINYL TAPE.
6. WIRE SPLICES SHALL BE LOCATED WITHIN A VALVE BOX PER DETAIL W-16.

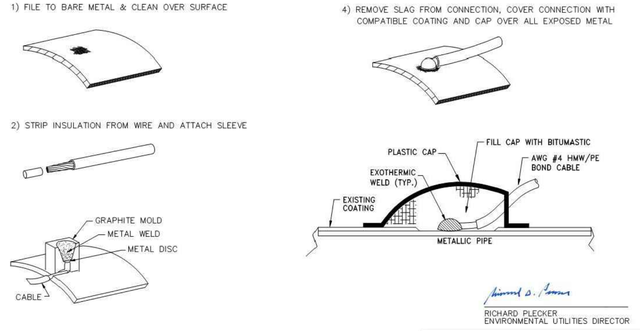
RICHARD PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

TRACING WIRE SPLICE

SCALE: NONE
REVISED: JANUARY 2016
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W-17



NOTE:
EACH JOINT SHALL HAVE TWO SEPARATE WELD WIRES.

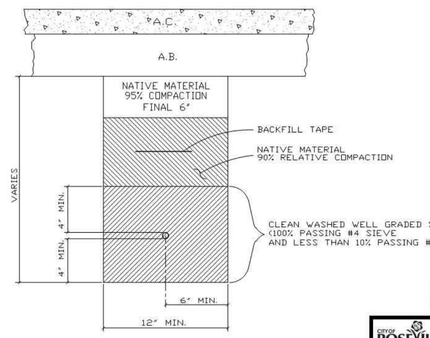
RICHARD PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

EXOTHERMIC WELD

SCALE: NONE
REVISED: JANUARY 2016
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W-20



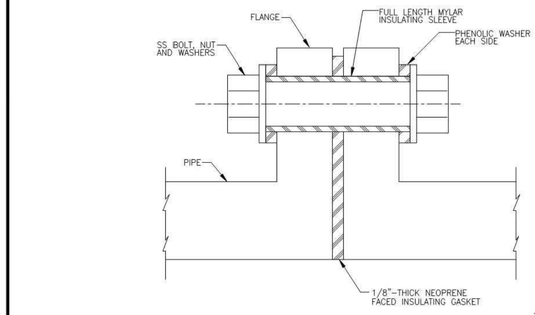
RICHARD PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

TRENCH AND BACKFILL FOR ALL WATER LINES 2" AND SMALLER

SCALE: NONE
REVISED: JANUARY 2016
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W-18



NOTES:

1. DIELECTRIC FLANGE KITS SHALL BE MANUFACTURED BY F.H. MALONEY CP., CALPICO OR APPROVED EQUAL
2. PROVIDE AN INSULATING FLANGE TEST STATION FOR THE INSULATED FLANGE.

RICHARD PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

INSULATED FLANGE

SCALE: NONE
REVISED: JANUARY 2015
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W-21

REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION
REV	DATE	BY	DESCRIPTION

SCALE: N.T.S.

WARNING 0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

DOMENICHELLI & ASSOCIATES
5180 Golden Foothill Parkway Ste. 220
El Dorado Hills, CA 95762
Ph: (916) 933-1997
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CITY OF ROSEVILLE CALIFORNIA
2005 HILLTOP CIRCLE
ROSEVILLE, CA 95747 PHONE: 916-774-5750

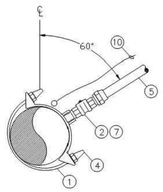
REGISTERED PROFESSIONAL ENGINEER — RICHARD M. DOMENICHELLI — NO. C68171 Exp. 9/30/21 — CIVIL — STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

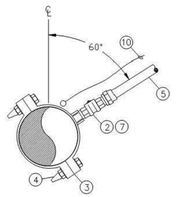
STANDARD DETAILS 2

DWG. NO. D2
SHEET 51 OF 58

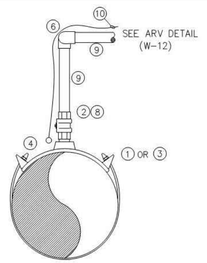
20201007.094017 Z:\CITY OF ROSEVILLE\IRSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\IRSVL-001 HILLCREST - D SHEETS.DWG



DOUBLE STRAP
DUCTILE IRON PIPE SADDLE



PVC PIPE SADDLE



ARV SADDLE

MATERIALS:

1.) DOUBLE STRAP BRASS SADDLE FOR DUCTILE IRON MAIN
2.) INSULATING CORPORATION STOP OR NON INSULATED CORPORATION STOP WITH NYLON BUSHING
3.) BRASS SADDLE FOR PVC MAIN
4.) ZINC CAPS ON ALL BOLTS (ONLY WITH NON-INSULATED CORPORATION STOP)
5.) COPPER SERVICE
6.) SWING JOINT (2 - 90° BRASS FITTINGS)
7.) CORP STOP W/COMPRESSION COUPLING
8.) CORP STOP W/THREADED COUPLING
9.) THREADED BRASS PIPE
10.) TRACING WIRE (FOR COMMERCIAL SERVICES ONLY)

NOTES:

WRAP CORPORATION STOP AND COPPER SERVICE A MINIMUM OF 3' WITH AN APPROVED DIELECTRIC TAPE AND POLYKEN PRIMER PER MANUFACTURER'S RECOMENDATIONS.

SADDLES SHALL BE WRAPPED IN 8 MIL POLYETHYLENE AND BACKFILLED WITH SAND.

TRACING WIRE SHALL BE REQUIRED ON ARV, HYDRANT RUNS, BLOW OFFS, SERVICES WITHOUT CONTINUOUS COPPER PIPE, AND OTHER MAJOR APPURTENANCES.

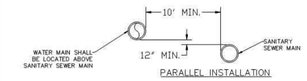
RICHARD PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

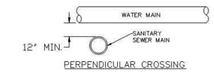
SADDLE DETAIL

SCALE: NONE
REVISED: JANUARY 2016
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W-26

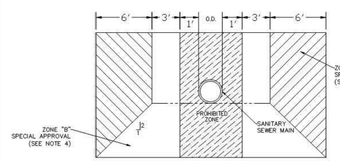


PARALLEL INSTALLATION

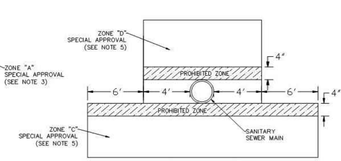


PERPENDICULAR CROSSING

BASIC SEPERATION REQUIREMENTS



PARALLEL INSTALLATION



PERPENDICULAR CROSSING

NOTES:

1. THE CONTRACTOR SHALL FOLLOW THE CITY OF ROSEVILLE STANDARDS AND TITLE 22 OF THE CALIFORNIA ADMINISTRATIVE CODE FOR THE SEPARATION REQUIREMENTS BETWEEN WATER MAINS AND SANITARY SEWER MAINS GUIDELINES PREPARED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES.
2. WHEN THE BASIC SEPARATION REQUIREMENTS CANNOT BE MET, THE CONTRACTOR SHALL INSTALL WATER MAINS ACCORDING TO THE SPECIAL SEPARATION REQUIREMENTS.
3. WHEN LOCATED IN ZONE "A", THE WATER MAIN SHALL BE DUCTILE IRON PIPE (DIP) OR PVC C-900 CLASS 200 PR CITY OF ROSEVILLE STANDARDS.
4. NO WATER MAINS PARALLEL TO SANITARY SEWER MAINS SHALL BE INSTALLED WITHIN ZONE "B" WITHOUT SPECIAL APPROVAL FROM THE DEPARTMENT OF HEALTH SERVICES.
5. WHEN LOCATED IN ZONE "C", THE WATER MAIN SHALL HAVE NO JOINTS WITHIN FIVE FEET (5') FROM EITHER SIDE OF THE SANITARY SEWER CROSSING AND BE DUCTILE IRON PIPE (DIP) AND CONCRETE ENCASED.
6. WHEN LOCATED IN ZONE "D", THE WATER MAIN SHALL HAVE NO JOINTS WITHIN FIVE FEET (5') FROM EITHER SIDE OF THE SANITARY SEWER CROSSING AND BE DUCTILE IRON PIPE (DIP) PER CITY OF ROSEVILLE STANDARDS.
7. WATER MAINS AND SANITARY SEWER MAINS SHALLL NOT BE INSTALLED IN THE SAME TRENCH.

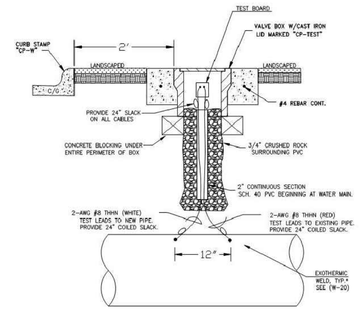
RICH PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

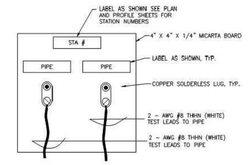
WATER MAIN AND SEWER MAIN CROSSING

SCALE: NONE
REVISED: JANUARY 2018
DRAWN BY: J. CUMMINGS
APPROVED BY: R. PLECKER

W-39



TEST STATION (TYPICAL)



TEST STATION BOARD (TYPICAL)

RICHARD PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

TEST STATION

SCALE: NONE
REVISED: JANUARY 2019
DRAWN BY: D. SAMUELSON
APPROVED BY: RICHARD PLECKER

W-40

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THIS SPACE LEFT BLANK INTENTIONALLY

THIS SPACE LEFT BLANK INTENTIONALLY

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - D SHEETS.DWG

20201007.094017

REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION
REV	DATE	BY	DESCRIPTION

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WARNING
0 1/2 1
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DESIGNED T. DUGAN
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CHECKED S. ROGERS

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ROSEVILLE, CA 95747 PHONE: 916-774-5750

REGISTERED PROFESSIONAL ENGINEER — THOMAS M. [illegible] — NO. C68171 Exp. 9/30/21 — CIVIL — STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

STANDARD DETAILS 2

DWG. NO. D3
SHEET 52 OF 58

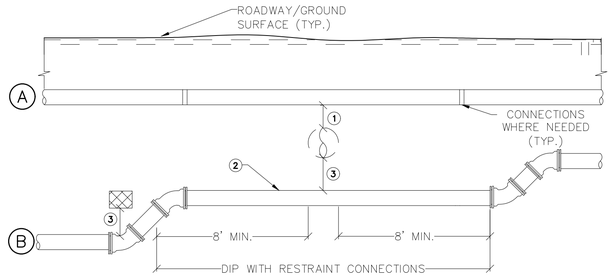
LEGEND:

PVC = POLYVINYLCHLORIDE PIPE
DU = DRY UTILITY
MJ = MECHANICAL JOINT
SD = STORM DRAIN
SS = SANITARY SEWER

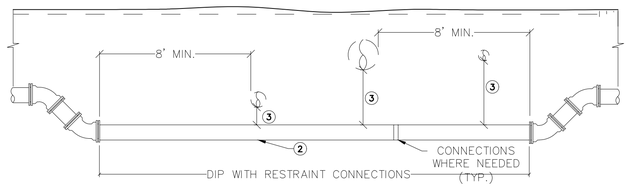
NOTES:

1. WHEN CROSSING ABOVE AN EXISTING NON–POTABLE PIPELINE WITH A VERTICAL SEPARATION LESS THAN 12" (4" CLEARANCE MIN), CENTER A FULL LENGTH 18' DIP OVER THE NON–POTABLE PIPE. PROVIDE RESTRAINED CONNECTIONS WITHIN 8' HORIZONTAL OF NON–POTABLE PIPE IF NECESSARY.
2. INSTALL FULL LENGTH 18' DIP CENTERED AT CROSSING OF EXISTING NON–POTABLE PIPE. WHEN MULTIPLE WET UTILITIES TYPES ARE CROSSED, NEW PIPE SECTION MUST BE CENTERED AT SS.
3. MINIMUM VERTICAL CLEARANCE:
   ALL UTILITIES: 12" MIN.
   *PROVIDE 12" MIN. CLEARANCE FOR 8' HORIZONTAL
4. WHEN THE OUTSIDE HORIZONTAL DISTANCE OF TWO PARALLEL SS PIPES IS 12' OR LESS: PLACE ONE FULL LENGTH 18' DIP WATER PIPE CENTERED UNDER THE TWO SS PIPES.
5. WHEN THE OUTSIDE HORIZONTAL DISTANCE OF TWO PARALLEL SS PIPES IS MORE THAN 12': PLACE WATER PIPE JOINT CENTERED BETWEEN THE TWO SS PIPES.
6. THIS DETAIL COMPLIES WITH CALIFORNIA CODE OF REGULATIONS TITLE 22, CHAPTER 16, SECTION 64572.

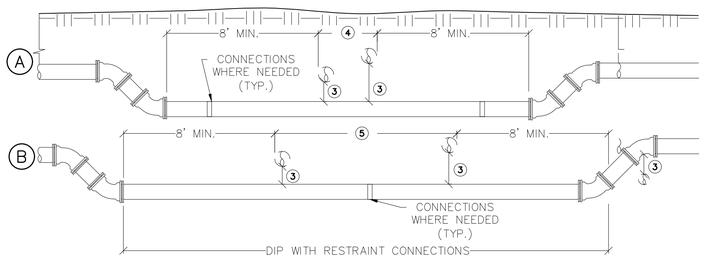
TYPE 1:
NEW WATER MAIN CROSSING ABOVE AND BELOW EXISTING UTILITY (SINGLE)



TYPE 2:
NEW WATER MAIN CROSSING EXISTING UTILITIES (MULTIPLE)



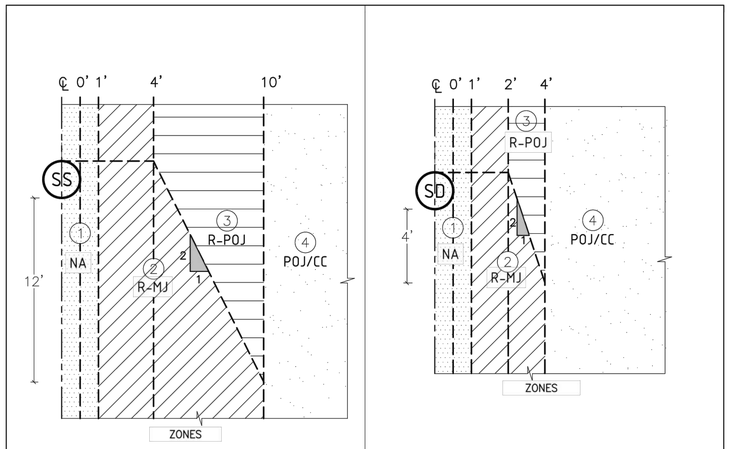
TYPE 3:
NEW WATER MAIN CROSSING SANITARY SEWER (MULTIPLE)



CROSSING UTILITIES DETAILS

NTS

1 TYP



NEW WATER MAIN PARALLEL TO EXISTING SANITARY SEWER MAIN

NEW WATER MAIN PARALLEL TO EXISTING STORM DRAIN MAIN

ZONE NOTES:

(1) CONSTRUCTION IN THIS ZONE IS NOT ALLOWED PER SECTION 64572 (A) CALIFORNIA CODE OF REGULATIONS, TITLE 22.

(2) CONSTRUCTION IN THIS ZONE REQUIRES USE OF RESTRAINED MJ CONNECTION FOR THE LENGTH OF THE PARALLEL SECTION.

(3) CONSTRUCTION IN THIS ZONE ALLOWS THE USE OF RESTRAINED POJ CONNECTIONS.

(4) CONSTRUCTION IN THIS ZONE ALLOWS USE OF CONVENTIONAL CONSTRUCTION INCLUDING POJ.

GENERAL NOTES:

1. ZONES IDENTICAL ON EITHER SIDE OF CENTER LINES.
2. THIS DETAIL COMPLIES WITH CALIFORNIA CODE OF REGULATIONS TITLE 22, CHAPTER 16, SECTION 64572.

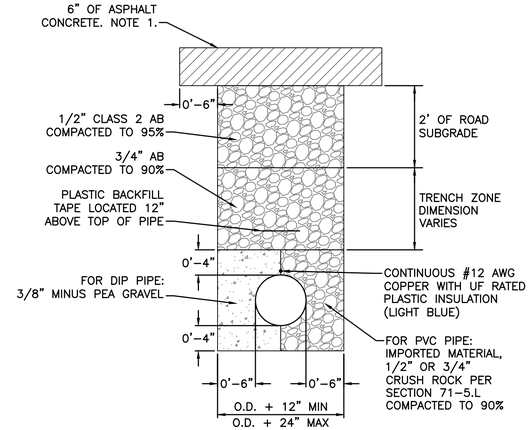
LEGEND:

CC = CONVENTIONAL CONSTRUCTION
NA = NOT ALLOWED
POJ = PUSH–ON–JOINT
R–MJ = RESTRAINT MECHANICAL JOINT
R–POJ = RESTRAINT PUSH–ON–JOINT
SD = STORM DRAIN
SS = SANITARY SEWER
(#) = ZONE DESIGNATION

EXISTING NON–POTABLE UTILITY NEW WATER MAIN PARALLELING

NOT TO SCALE

2 TYP



NOTES:

1. NEW ASPHALT CONCRETE MUST BE A MINIMUM OF 6–INCHES THICK OR THAT OF EXISTING, WHICHEVER IS GREATER.
2. TACK COAT ON ALL VERTICAL PAVEMENT SAWCUTS.
3. BACKFILL MUST BE MECHANICALLY CONSOLIDATED OR SHOVEL SLICED UNDER THE HAUNCHES OF THE PIPE.
4. IN ROCKY OR UNYIELDING SOIL, THE TRENCH MUST BE EXCAVATED A MINIMUM OF 12–INCHES BELOW THE PIPE AND THE TRENCH WIDTH MUST BE INCREASED BY 12–INCHES.
5. ONE 12" WIDE STRIP OF BACKFILL TAPE MUST BE USED FOR EVERY 12" PIPE DIAMETER OR FRACTION THERE OF.
6. PER CITY CONSTRUCTION STANDARD SECTION 71–4.D.5.g – EXISTING PAVEMENT, PAVEMENT 5–FEET OR LESS FROM THE GUTTER LIP TO THE EXCAVATED PATCH/PAVE AREA MUST BE REMOVED OR MILLED TO 0.15–FEET IN DEPTH, AND PATCHED CONFORMING TO THE ADJACENT PATCH/PAVE AREA REQUIREMENTS.

TRENCH SECTION

NOT TO SCALE

3 TYP

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 20201007.094017

REV	DATE	BY	DESCRIPTION
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WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

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CHECKED S. ROGERS

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REGISTERED PROFESSIONAL ENGINEER THOMAS M. [illegible] NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

STANDARD DETAILS 3

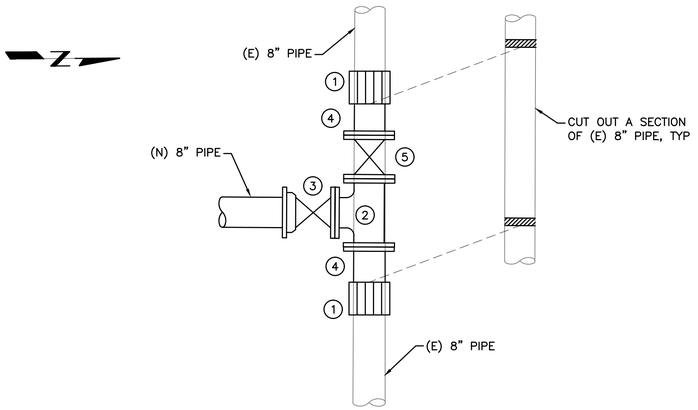
DWG. NO. D4
SHEET 53 OF 58

GENERAL NOTES (APPLICABLE TO ALL DETAILS):

1. NOT ALL UTILITIES BEING CROSSED OR IN THE VICINITY OF THE TIE–IN ARE SHOWN. CONTRACTOR MUST POTHOLE ALL UTILITIES AND NOTIFY THE ENGINEER OF ANY CONFLICTS.
2. ALL MJ FITTINGS ARE TO BE FULLY RESTRAINED WITH MEGALUGS.
3. CONTRACTOR TO POTHOLE AND VERIFY (E) PIPE DIAMETER, (E) PIPE MATERIAL AND EXISTING CONFIGURATION PRIOR TO ORDERING MATERIALS FOR TIE–INS AND ABANDONMENTS.
4. CONNECTION TO ACP (IF PRESENT) WILL REQUIRE A NON–RESTRAINED PIPE COUPLING AND ADDITIONAL THRUST BLOCKS NOT SHOWN. CONTRACTOR TO COORDINATE WITH CITY INSPECTOR.

1. 8" RESTRAINED COUPLING
2. 8" FLG TEE
3. 8" FLGxMJ GATE VALVE
4. 8" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
5. 8" FLG GATE VALVE

TIE–IN



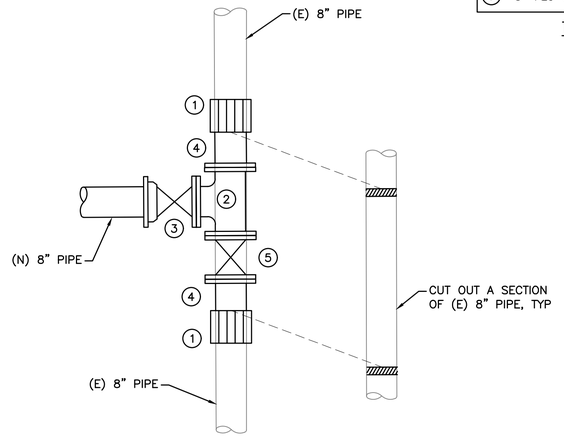
FRANKLIN ST STA 5+76

DETAIL 1/C1

NTS

1. 8" RESTRAINED COUPLING
2. 8" FLG TEE
3. 8" FLGxMJ GATE VALVE
4. 8" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
5. 8" FLG GATE VALVE

TIE–IN



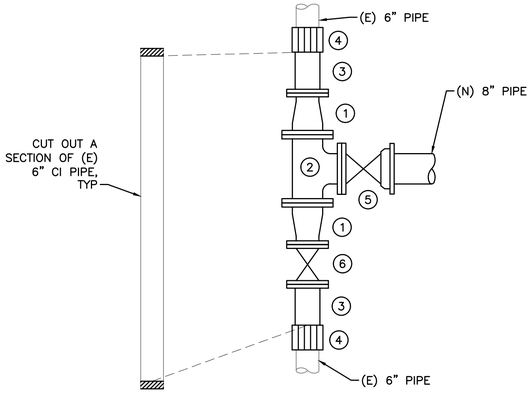
BONNY KNOLL RD STA 14+88

DETAIL 2/C4

NTS

1. 8"x6" FLGxFLG REDUCER
2. 8" FLG TEE
3. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
4. 6" RESTRAINED COUPLING
5. 8" FLGxMJ GATE VALVE
6. 6" FLG GATE VALVE

TIE–IN



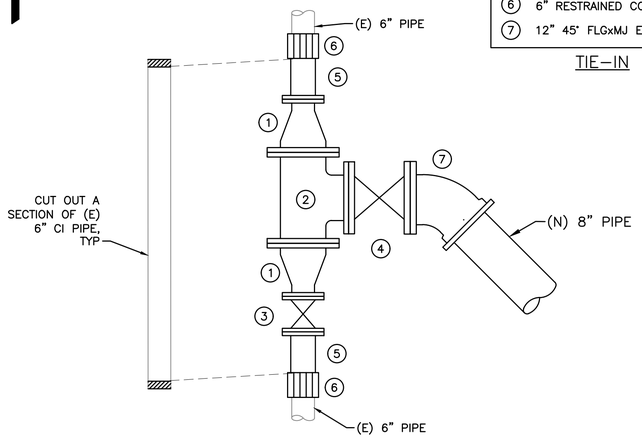
CAMELIA AVE STA 0+36

DETAIL 3/C6

NTS

1. 12"x6" FLGxFLG REDUCER
2. 12" FLG TEE
3. 6" FLG GATE VALVE
4. 12" FLG GATE VALVE
5. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
6. 6" RESTRAINED COUPLING
7. 12" 45° FLGxMJ ELBOW

TIE–IN



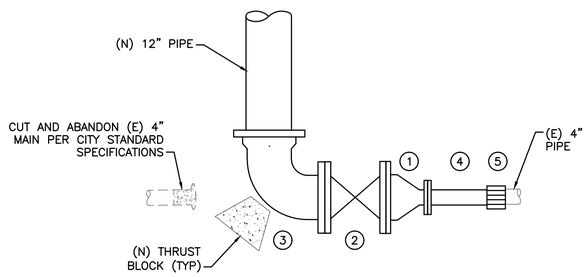
MELROSE AVE STA 0+26

DETAIL 4/C11

NTS

1. 12"x4" FLG REDUCER
2. 12" FLG GATE VALVE
3. 12" FLGxMJ 90° ELBOW
4. 4" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
5. 4" RESTRAINED COUPLING

TIE–IN



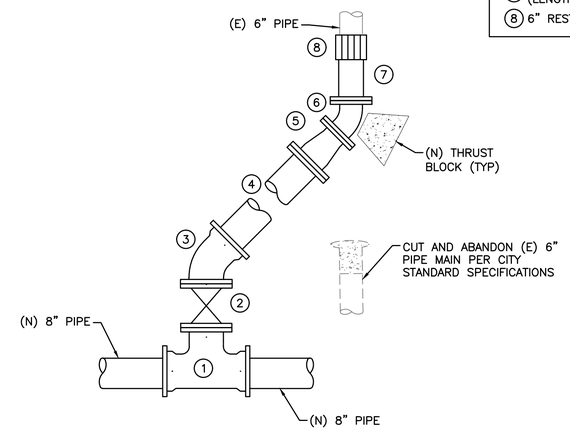
MELROSE AVE STA 16+35

DETAIL 5/C13

NTS

1. 8" MJxFLG TEE
2. 8" FLG GATE VALVE
3. 8" FLGxMJ 45° ELBOW
4. 8" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
5. 8"x6" FLG REDUCER
6. 8" FLG 45° ELBOW
7. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
8. 6" RESTRAINED COUPLING

TIE–IN



HILLCREST AVE STA 7+69

DETAIL 6/C15

NTS

REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

REV DATE BY DESCRIPTION

SCALE: N.T.S.

WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

DOMENICHELLI & ASSOCIATES
5180 Golden Foothill Parkway Ste. 220
El Dorado Hills, CA 95762
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Fax: (916) 933–4778

CITY OF ROSEVILLE CALIFORNIA
2005 HILLTOP CIRCLE
ROSEVILLE, CA 95747 PHONE: 916-774-5750

REGISTERED PROFESSIONAL ENGINEER THOMAS M. DOMENICHELLI NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

TIE-IN DETAILS 1

DWG. NO. T1

SHEET 54 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - T SHEETS.DWG

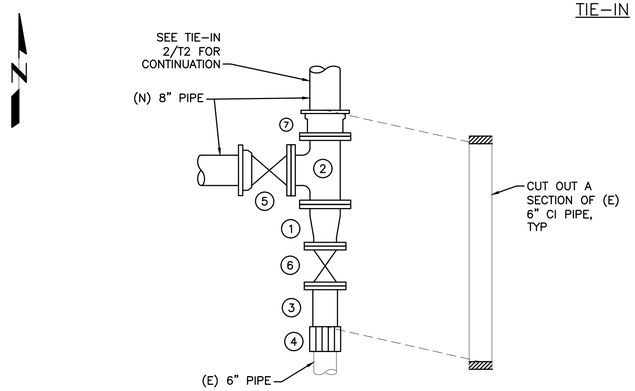
20201014.083722

GENERAL NOTES (APPLICABLE TO ALL DETAILS):

1. NOT ALL UTILITIES BEING CROSSED OR IN THE VICINITY OF THE TIE–IN ARE SHOWN. CONTRACTOR MUST POTHOLE ALL UTILITIES AND NOTIFY THE ENGINEER OF ANY CONFLICTS.
2. ALL MJ FITTINGS ARE TO BE FULLY RESTRAINED WITH MEGALUGS.
3. CONTRACTOR TO POTHOLE AND VERIFY (E) PIPE DIAMETER, (E) PIPE MATERIAL AND EXISTING CONFIGURATION PRIOR TO ORDERING MATERIALS FOR TIE–INS AND ABANDONMENTS.
4. CONNECTION TO ACP (IF PRESENT) WILL REQUIRE A NON–RESTRAINED PIPE COUPLING AND ADDITIONAL THRUST BLOCKS NOT SHOWN. CONTRACTOR TO COORDINATE WITH CITY INSPECTOR.

1. 8"x6" FLGxFLG REDUCER
2. 8" FLG TEE
3. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
4. 6" RESTRAINED COUPLING
5. 8" FLGxMJ GATE VALVE
6. 8" FLG GATE VALVE
7. 8" FLGxMJ ADAPTOR

TIE–IN



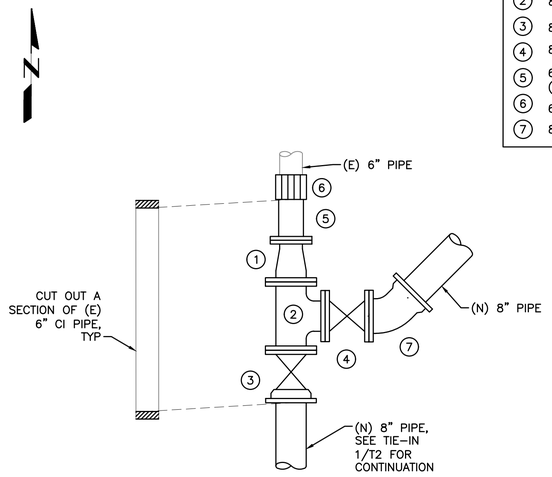
HILLCREST AVE STA 13+36

DETAIL 1/C16

NTS

1. 8"x6" FLGxFLG REDUCER
2. 8" FLG TEE
3. 8" FLGxMJ GATE VALVE
4. 8" FLG GATE VALVE
5. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
6. 6" RESTRAINED COUPLING
7. 8" 45° FLGxMJ ELBOW

TIE–IN



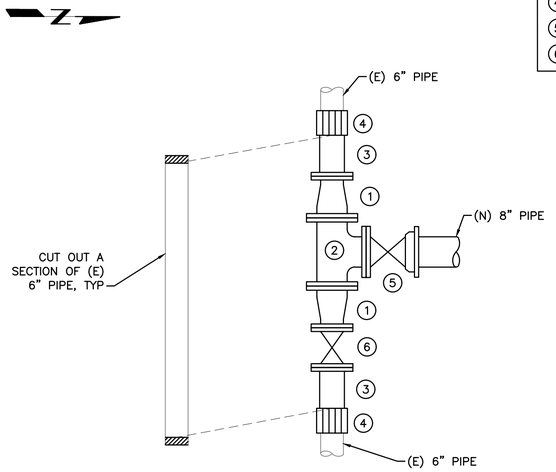
HILLCREST AVE STA 23+36

DETAIL 2/C16

NTS

1. 8"x6" FLGxFLG REDUCER
2. 8" FLG TEE
3. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
4. 6" RESTRAINED COUPLING
5. 8" FLGxMJ GATE VALVE
6. 6" FLG GATE VALVE

TIE–IN



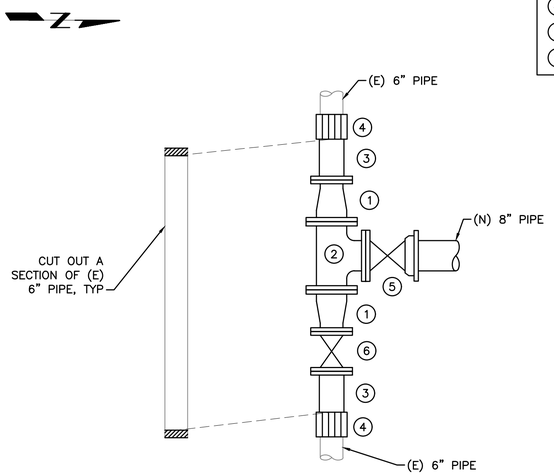
MARIETTI WAY STA 0+23

DETAIL 3/C19

NTS

1. 8"x6" FLGxFLG REDUCER
2. 8" FLG TEE
3. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
4. 6" RESTRAINED COUPLING
5. 8" FLGxMJ GATE VALVE
6. 6" FLG GATE VALVE

TIE–IN



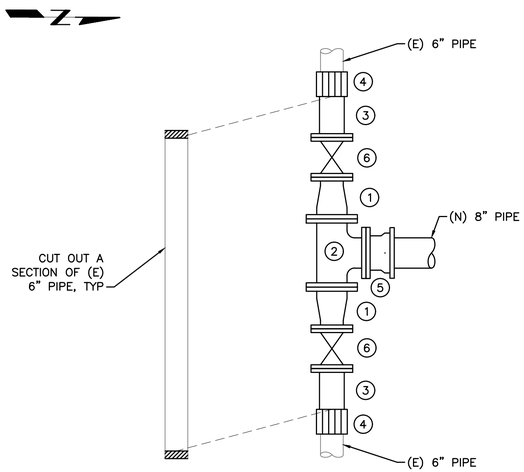
KING RD STA 0+21

DETAIL 4/C25

NTS

1. 8"x6" FLGxFLG REDUCER
2. 8" FLG TEE
3. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
4. 6" RESTRAINED COUPLING
5. 8" MJxFLG ADAPTOR
6. 6" FLG GATE VALVE

TIE–IN



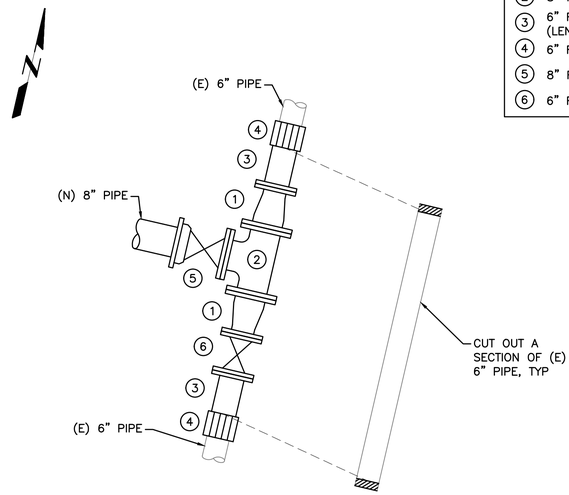
HIGHLAND AVE STA 0+25

DETAIL 5/C27

NTS

1. 8"x6" FLGxFLG REDUCER
2. 8" FLG TEE
3. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
4. 6" RESTRAINED COUPLING
5. 8" FLGxMJ GATE VALVE
6. 6" FLG GATE VALVE

TIE–IN



POPPY LN STA 4+37

DETAIL 6/C29

NTS

REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

REV DATE BY DESCRIPTION

SCALE: N.T.S.

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REGISTERED PROFESSIONAL ENGINEER THOMAS M. DOMENICHELLI NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

TIE-IN DETAILS 2

DWG. NO. T2

SHEET 55 OF 58

20201014.083722

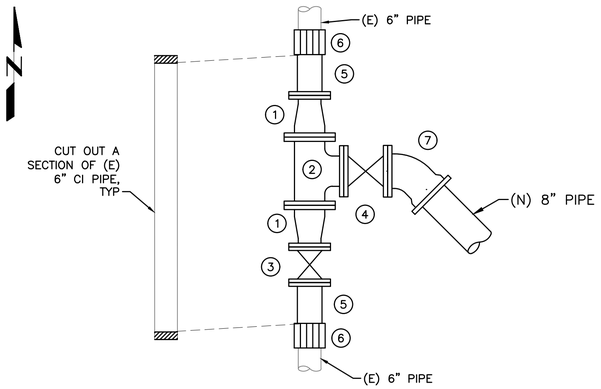
Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - T SHEETS.DWG

GENERAL NOTES (APPLICABLE TO ALL DETAILS):

1. NOT ALL UTILITIES BEING CROSSED OR IN THE VICINITY OF THE TIE–IN ARE SHOWN. CONTRACTOR MUST POTHOLE ALL UTILITIES AND NOTIFY THE ENGINEER OF ANY CONFLICTS.
2. ALL MJ FITTINGS ARE TO BE FULLY RESTRAINED WITH MEGALUGS.
3. CONTRACTOR TO POTHOLE AND VERIFY (E) PIPE DIAMETER, (E) PIPE MATERIAL AND EXISTING CONFIGURATION PRIOR TO ORDERING MATERIALS FOR TIE–INS AND ABANDONMENTS.
4. CONNECTION TO ACP (IF PRESENT) WILL REQUIRE A NON–RESTRAINED PIPE COUPLING AND ADDITIONAL THRUST BLOCKS NOT SHOWN. CONTRACTOR TO COORDINATE WITH CITY INSPECTOR.

1. 8"x6" FLGxFLG REDUCER
2. 8" FLG TEE
3. 6" FLG GATE VALVE
4. 8" FLG GATE VALVE
5. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
6. 6" RESTRAINED COUPLING
7. 8" 45° FLGxMJ ELBOW

TIE–IN



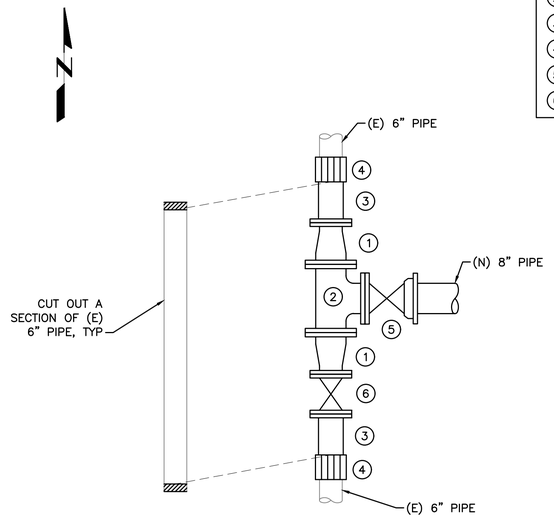
COLNAR ST STA 0+24

DETAIL 1/C32

NTS

1. 8"x6" FLGxFLG REDUCER
2. 8" FLG TEE
3. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
4. 6" RESTRAINED COUPLING
5. 8" FLGxMJ GATE VALVE
6. 6" FLG GATE VALVE

TIE–IN



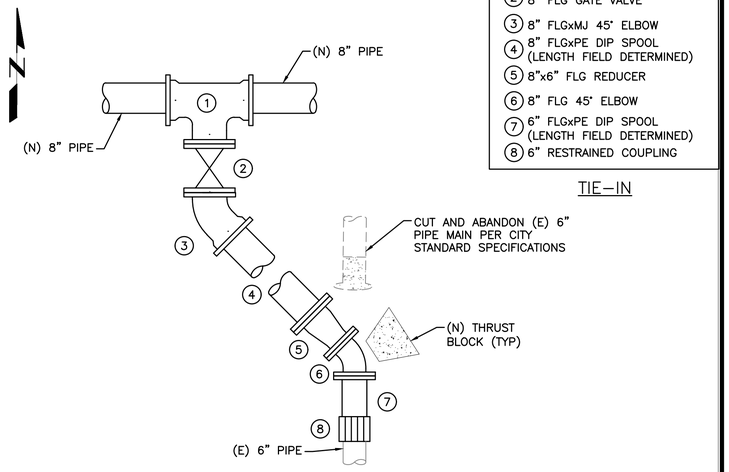
VINE AVE STA 0+29

DETAIL 2/C35

NTS

1. 8" MJxFLG TEE
2. 8" FLG GATE VALVE
3. 8" FLGxMJ 45° ELBOW
4. 8" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
5. 8"x6" FLG REDUCER
6. 8" FLG 45° ELBOW
7. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
8. 6" RESTRAINED COUPLING

TIE–IN



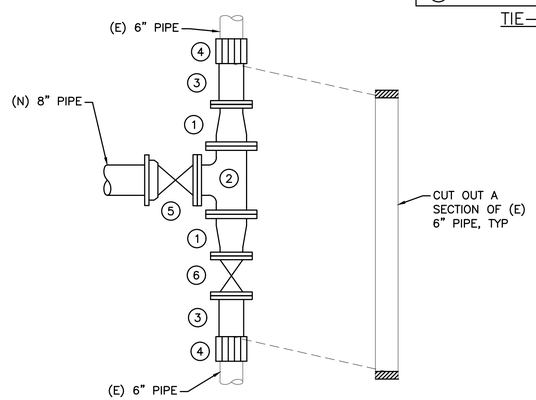
VINE AVE STA 2+61

DETAIL 3/C35

NTS

1. 8"x6" FLGxFLG REDUCER
2. 8" FLG TEE
3. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
4. 6" RESTRAINED COUPLING
5. 8" FLGxMJ GATE VALVE
6. 6" FLG GATE VALVE

TIE–IN



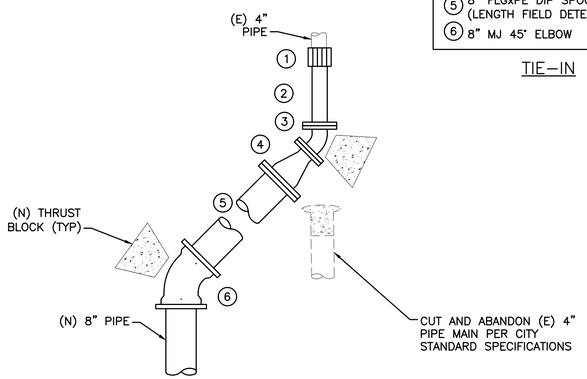
GEORGE LN STA 3+41

DETAIL 4/C37

NTS

1. 4" RESTRAINED COUPLING
2. 4" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
3. 4" FLG 45° ELBOW
4. 8"x4" FLG REDUCER
5. 8" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
6. 8" MJ 45° ELBOW

TIE–IN



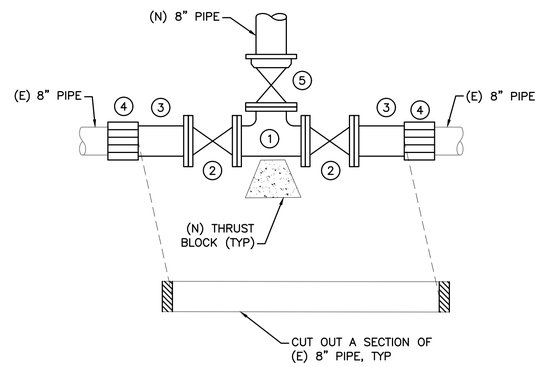
SUNRISE AVE STA 0+21

DETAIL 5/C38

NTS

1. 8" FLG TEE
2. 8" FLG GATE VALVE
3. 8" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
4. 8" RESTRAINED COUPLING
5. 8" FLGxMJ GATE VALVE

TIE–IN



SUNRISE AVE STA 0+70

DETAIL 6/C38

NTS

REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

REV DATE BY DESCRIPTION

SCALE: N.T.S.

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DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

TIE-IN DETAILS 3

DWG. NO. T3

SHEET 56 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - T SHEET.DWG

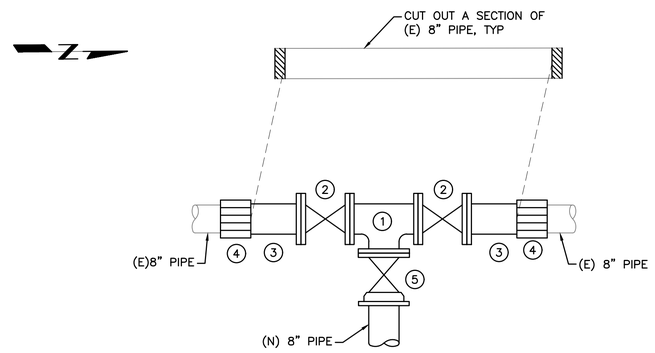
20201014.083722

GENERAL NOTES (APPLICABLE TO ALL DETAILS):

1. NOT ALL UTILITIES BEING CROSSED OR IN THE VICINITY OF THE TIE–IN ARE SHOWN. CONTRACTOR MUST POTHOLE ALL UTILITIES AND NOTIFY THE ENGINEER OF ANY CONFLICTS.
2. ALL MJ FITTINGS ARE TO BE FULLY RESTRAINED WITH MEGALUGS.
3. CONTRACTOR TO POTHOLE AND VERIFY (E) PIPE DIAMETER, (E) PIPE MATERIAL AND EXISTING CONFIGURATION PRIOR TO ORDERING MATERIALS FOR TIE–INS AND ABANDONMENTS.
4. CONNECTION TO ACP (IF PRESENT) WILL REQUIRE A NON–RESTRAINED PIPE COUPLING AND ADDITIONAL THRUST BLOCKS NOT SHOWN. CONTRACTOR TO COORDINATE WITH CITY INSPECTOR.

1. 8" FLG TEE
2. 8" FLG GATE VALVE
3. 8" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
4. 8" RESTRAINED COUPLING
5. 8" FLGxMJ GATE VALVE

TIE–IN



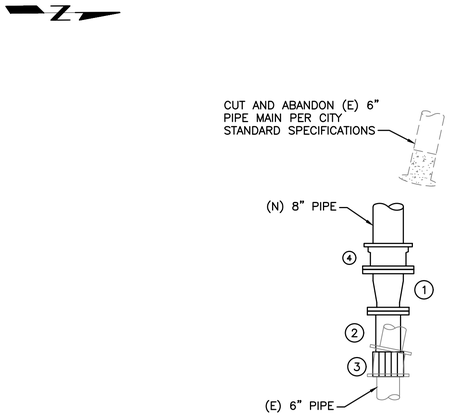
FRANCES DR STA 0+32

DETAIL 1/C38

NTS

1. 8"x6" FLGxFLG REDUCER
2. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
3. 6" RESTRAINED COUPLING
4. 8" FLGxMJ ADAPTOR

TIE–IN



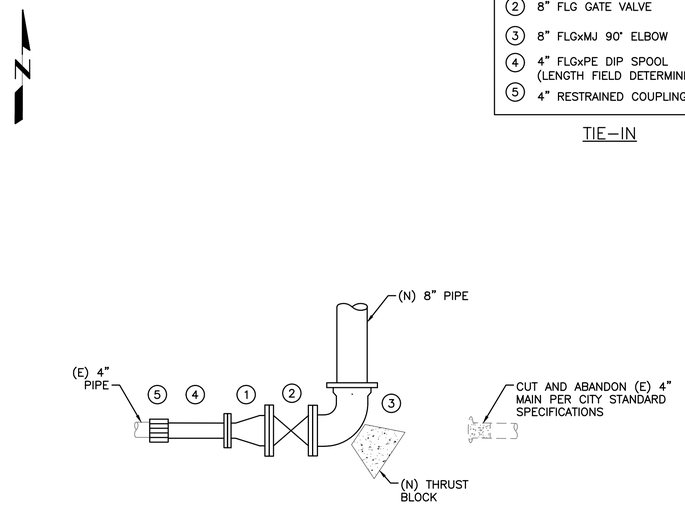
FRANCES DR STA 1+83

DETAIL 2/C38

NTS

1. 8"x4" FLG REDUCER
2. 8" FLG GATE VALVE
3. 8" FLGxMJ 90° ELBOW
4. 4" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
5. 4" RESTRAINED COUPLING

TIE–IN



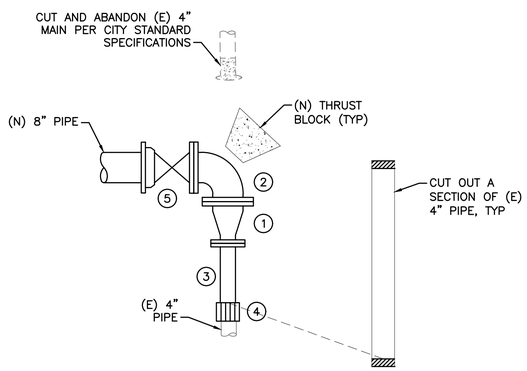
HILLCREST AVE STA 1+88

DETAIL 3/C14

NTS

1. 8"x4" FLG REDUCER
2. 8" FLG 90° ELBOW
3. 4" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
4. 4" RESTRAINED COUPLING
5. 8" FLGxMJ GATE VALVE

TIE–IN



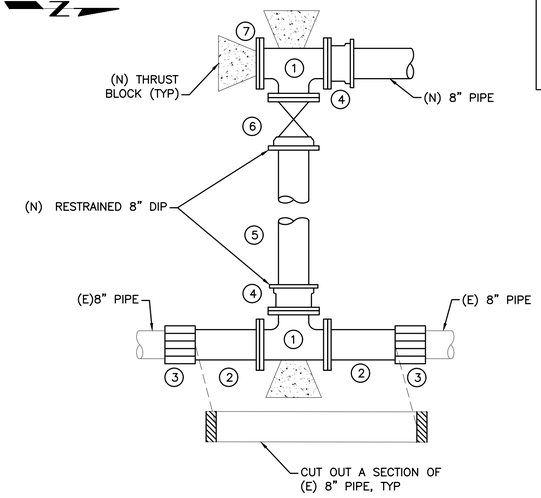
MARIETTI WAY 7+73

DETAIL 4/C20

NTS

1. 8" FLG TEE
2. 8" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
3. 8" RESTRAINED COUPLING
4. 8" FLGxMJ ADAPTOR
5. 8" RESTRAINED DIP (LENGTH FIELD DETERMINED)
6. 8" FLGxMJ GATE VALVE
7. 8" BLIND FLG

TIE–IN



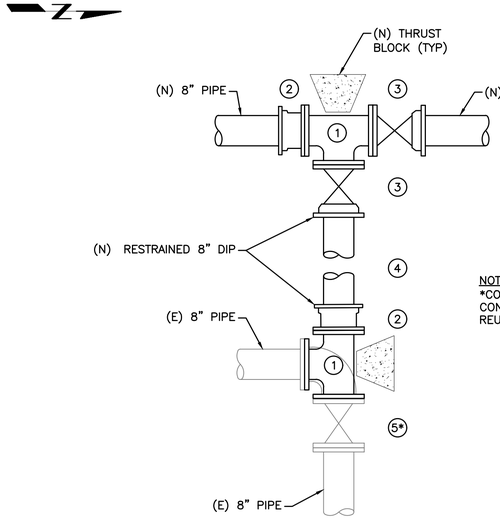
FOLSOM RD STA 2+25

DETAIL 5/C39

NTS

1. 8" FLG TEE
2. 8" FLGxMJ ADAPTOR
3. 8" FLGxMJ GATE VALVE
4. 8" RESTRAINED DIP (LENGTH FIELD DETERMINED)
5* 8" (E) GATE VALVE

TIE–IN



NOTE
*CONTRACTOR TO EVALUATE (E) VALVE CONFIGURATION AND CONDITION. TO BE REUSED IF APPLICABLE

FOLSOM RD STA 10+02

DETAIL 6/C40

NTS

REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

REV DATE BY DESCRIPTION

SCALE: N.T.S.

WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

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DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

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DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

TIE-IN DETAILS 4

DWG. NO. T4

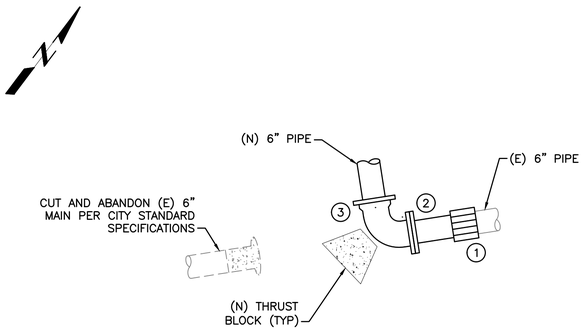
SHEET 57 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - T SHEETS.DWG

20201014.083722

GENERAL NOTES (APPLICABLE TO ALL DETAILS):

1. NOT ALL UTILITIES BEING CROSSED OR IN THE VICINITY OF THE TIE–IN ARE SHOWN. CONTRACTOR MUST POTHOLE ALL UTILITIES AND NOTIFY THE ENGINEER OF ANY CONFLICTS.
2. ALL MJ FITTINGS ARE TO BE FULLY RESTRAINED WITH MEGALUGS.
3. CONTRACTOR TO POTHOLE AND VERIFY (E) PIPE DIAMETER, (E) PIPE MATERIAL AND EXISTING CONFIGURATION PRIOR TO ORDERING MATERIALS FOR TIE–INS AND ABANDONMENTS.
4. CONNECTION TO ACP (IF PRESENT) WILL REQUIRE A NON–RESTRAINED PIPE COUPLING AND ADDITIONAL THRUST BLOCKS NOT SHOWN. CONTRACTOR TO COORDINATE WITH CITY INSPECTOR.



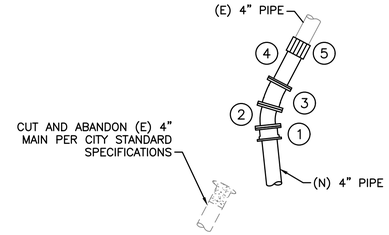
1. 6" RESTRAINED COUPLING
2. 6" FLGxPE DIP PIPE SPOOL (LENGTH FIELD DETERMINED)
3. 6" 90° FLGxMJ ELBOW

TIE–IN

ESTATES DR STA 1+07

DETAIL 1 / C43

NTS



1. 4" FLGxMJ ADAPTER
2. 4" FLG 22.5° ELBOW
3. 4" FLG 11.25° ELBOW
4. 4" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
5. 4" RESTRAINED COUPLING

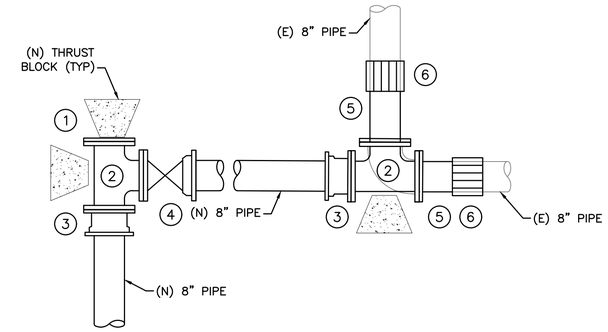
TIE–IN

NOTE
CONTRACTOR TO POTHOLE PRIOR TO ORDERING MATERIALS TO DETERMINE EXACT FITTINGS REQUIRED

ESTATES DR STA 1+06

DETAIL 2 / C43

NTS



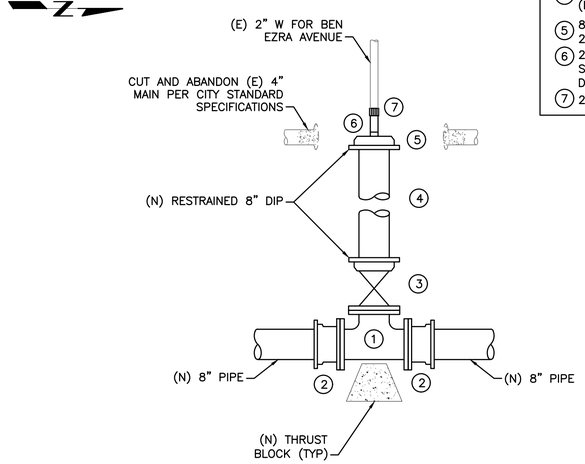
1. 8" BLIND FLG
2. 8" FLG TEE
3. 8" FLGxMJ ADAPTER
4. 8" FLGxMJ GATE VALVE
5. 8" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
6. 8" RESTRAINED COUPLING

TIE–IN

EVELYN AVE STA 0+40

DETAIL 3 / C43

NTS



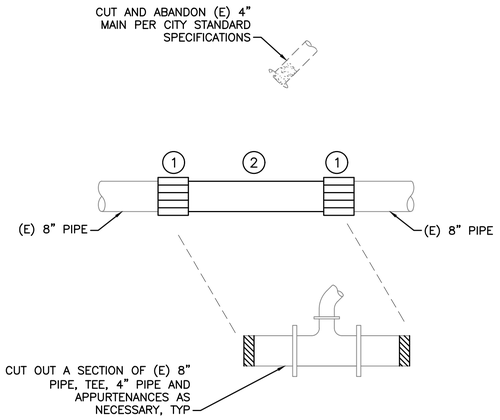
1. 8" FLG TEE
2. 8" FLGxMJ ADAPTER
3. 8" FLGxMJ GATE VALVE
4. 8" RESTRAINED DIP (LENGTH FIELD DETERMINED)
5. 8" RESTRAINED END CAP W/ 2" IP THREADED OUTLET
6. 2" THREADEDxPE STAINLESS STEEL SPOOL (FIELD LENGTH DETERMINED)
7. 2" COUPLING

TIE–IN

FOLSOM RD STA 5+86

DETAIL 4 / C40

NTS



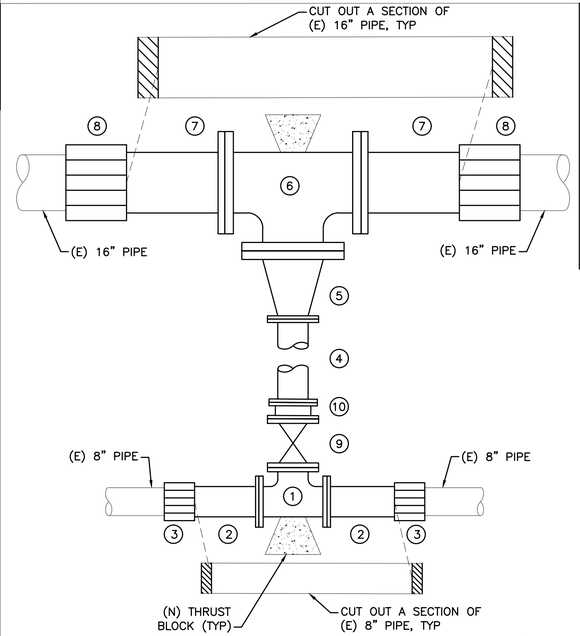
1. 8" RESTRAINED COUPLING
2. 8" PExPE DIP (6' LENGTH MINIMUM)

TIE–IN

FOLSOM RD STA 9+70

DETAIL 5 / C40

NTS



1. 8" FLG TEE
2. 8" FLGxPE DIP SPOOL (FIELD LENGTH DETERMINED)
3. 8" RESTRAINED COUPLING
4. 8" FLGxPE DIP SPOOL (FIELD LENGTH DETERMINED)
5. 16"x8" FLG REDUCER
6. 16" FLG TEE
7. 16" FLGxPE DIP SPOOL (FIELD LENGTH DETERMINED)
8. 16"RESTRAINED COUPLING
9. 8" FLGxFLG GATE VALVE
10. 8" FLANGE COUPLING ADAPTER, RESTRAINED

TIE–IN

SUNRISE BLVD – CONNECTION BETWEEN (E) 16" AND 8" WATERMAINS

DETAIL 6 / C38

NTS

REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

REV DATE BY DESCRIPTION

SCALE: N.T.S.

WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

DOMENICHELLI & ASSOCIATES
5180 Golden Foothill Parkway Ste. 220
El Dorado Hills, CA 95762
Ph: (916) 933–1997
Fax: (916) 933–4778

CITY OF ROSEVILLE CALIFORNIA
2005 HILLTOP CIRCLE
ROSEVILLE, CA 95747 PHONE: 916-774-5750

REGISTERED PROFESSIONAL ENGINEER THOMAS M. DOMENICHELLI NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

TIE-IN DETAILS 5

DWG. NO. T5

SHEET 58 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - T SHEETS.DWG

20201014.083722

City of Roseville Downtown Water Mains Replacement Project Hillcrest Neighborhood
State Water Resources Control Board - Division of Drinking Water
New Water Main Crossing Existing Non-Potable Fluid Pipeline

New Water						Crossing Existing Non-Potable Fluid Pipeline					
Item	Plan Sheet	Street	Station	Size (in.)	Material	Size (in.)	Material	Fluid	Position (Under/Over)	Seperation Min. (in.)	Comments
1	C1	Franklin St	0+63	8	DIP	6	VCP	Untreated Sewage	New Water Main Under Existing SS	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
2	C1	Franklin St	1+41	8	DIP	6	VCP	Untreated Sewage	New Water Main Under Existing SS	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
3	C3	Bonny Knoll Rd	4+70	8	DIP	12	HDPE	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
4	C4	Bonny Knoll Rd	14+76	8	DIP	14	AC	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
5	C5	Wayne Dr	2+18	8	DIP	6	UNK	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
6	C5	Wayne Dr	2+28	8	DIP	6	AC	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
7	C5	Wayne Dr	4+70	8	DIP	6	UNK	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
8	C7	Camelia Dr	5+09	8	DIP	12	HDPE	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
9	C7	Camelia Dr	6+15	8	DIP	6	VCP	Untreated Sewage	New Water Main Under Existing SS	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
10	C7	Camelia Dr	6+22	8	DIP	24	HDPE	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
11	C7	Camelia Dr	8+35	8	DIP	12	HDPE	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
12	C8	Linwood Ave	0+15	8	DIP	6	UNK	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
13	C9	Toyon Way	0+34	8	DIP	6	AC	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
14	C9	Toyon Way	3+30	8	DIP	12	HDPE	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
15	C10	Marian Way	4+99	8	DIP	6	VCP	Untreated Sewage	New Water Main Under Existing SS	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water

Legend:

AC = Asbestos Cement
CL= Clay
PVC - Polyvinyl chloride
RCP=Reinforced Concrete Pipe
CMP = Corrugated Metal Pipe
DIP = Ductile Iron Pipe
STL = Steel
UNK = Unknown
SD = Storm Drain
SS = Sanitary Sewer
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HDPE = High-density polyethylene
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City of Roseville Downtown Water Mains Replacement Project Hillcrest Neighborhood
State Water Resources Control Board - Division of Drinking Water
New Water Main Crossing Existing Non-Potable Fluid Pipeline

New Water						Crossing Existing Non-Potable Fluid Pipeline					
Item	Plan Sheet	Street	Station	Size (in.)	Material	Size (in.)	Material	Fluid	Position (Under/Over)	Seperation Min. (in.)	Comments
16	C11	Melrose Ave	0+38	8	DIP	6	VCP	Untreated Sewage	New Water Main Under Existing SS	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
17	C11	Melrose Ave	0+40	8	DIP	6	UNK	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
18	C11	Melrose Ave	4+18	8	DIP	12	HDPE	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
19	C12	Melrose Ave	7+63	8	DIP	24	HDPE	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
20	C12	Melrose Ave	8+47	8	DIP	6	UNK	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
21	C12	Melrose Ave	11+11	8	DIP	6	AC	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
22	C15	Hillcrest Ave	8+48	8	DIP	6	AC	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
23	C16	Hillcrest Ave	13+25	8	DIP	16	AC	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
24	C16	Hillcrest Ave	13+28	8	DIP	8	VCP	Untreated Sewage	New Water Main Under Existing SS	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
25	C16	Hillcrest Ave	23+47	8	DIP	12	HDPE	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
26	C17	Hillcrest Ave	26+37	8	DIP	6	VCP	Untreated Sewage	New Water Main Under Existing SS	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
27	C18	Hillcrest Ave	33+02	8	DIP	12	NCP	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
28	C18	Hillcrest Ave	33+24	8	DIP	8	AC	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
29	C19	Marietti Way	2+01	8	DIP	12	HDPE	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
30	C21	Maple Dr	0+35	8	DIP	12	HDPE	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water

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City of Roseville Downtown Water Mains Replacement Project Hillcrest Neighborhood
State Water Resources Control Board - Division of Drinking Water
New Water Main Crossing Existing Non-Potable Fluid Pipeline

New Water						Crossing Existing Non-Potable Fluid Pipeline					
Item	Plan Sheet	Street	Station	Size (in.)	Material	Size (in.)	Material	Fluid	Position (Under/Over)	Seperation Min. (in.)	Comments
31	C24	Vinewood Ave	4+00	8	DIP	6	HDPE	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
32	C24	Vinewood Ave	4+46	8	DIP	6	HDPE	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
33	C24	Vinewood Ave	4+51	8	DIP	6	VCP	Untreated Sewage	New Water Main Under Existing SS	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
34	C24	Vinewood Ave	7+52	8	DIP	12	HDPE	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
35	C24	Vinewood Ave	7+57	8	DIP	6	VCP	Untreated Sewage	New Water Main Under Existing SS	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
36	C25	King Rd	0+32	8	DIP	12	HDPE	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
37	C26	King Rd	7+88	8	DIP	6	AC	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
38	C28	Highland Ave	4+29	8	DIP	6	AC	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
39	C29	Poppy Ln	3+87	8	DIP	6	VCP	Untreated Sewage	New Water Main Under Existing SS	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
40	C29	Poppy Ln	3+91	8	DIP	6	AC	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
41	C29	Poppy Ln	4+04	8	DIP	12	HDPE	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
42	C29	Poppy Ln	4+20	8	DIP	16	AC	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
43	C29	Poppy Ln	4+25	8	DIP	8	VCP	Untreated Sewage	New Water Main Under Existing SS	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
44	C30	Sunset Dr	2+35	8	DIP	6	VCP	Untreated Sewage	New Water Main Under Existing SS	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
45	C35	Vine Ave	0+42	8	DIP	30	RCP	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water

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City of Roseville Downtown Water Mains Replacement Project Hillcrest Neighborhood
State Water Resources Control Board - Division of Drinking Water
New Water Main Crossing Existing Non-Potable Fluid Pipeline

New Water						Crossing Existing Non-Potable Fluid Pipeline					
Item	Plan Sheet	Street	Station	Size (in.)	Material	Size (in.)	Material	Fluid	Position (Under/Over)	Seperation Min. (in.)	Comments
46	C35	Vine Ave	2+42	8	DIP	12	RCP	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
47	C35	Vine Ave	2+69	8	DIP	6	VCP	Untreated Sewage	New Water Main Under Existing SS	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
48	C35	Azure Ct	1+28	8	DIP	12	RCP	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
49	C35	Azure Ct	1+36	8	DIP	18	RCP	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
50	C38	Frances Dr	0+44	8	DIP	10	VCP	Untreated Sewage	New Water Main Under Existing SS	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
51	C40	Folsom Rd	6+02	8	DIP	24	unk	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
52	C40	Folsom Rd	6+04	8	DIP	24	UNK	Storm Drainage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water
53	C43	Evelyn Ave	0+25	8	DIP	6	VCP	Untreated Sewage	New Water Main Under Existing SD	12	See Crossing Utilities Detail 1/D4 in Plan Set for Position of New Water Main Crossing Non-Potable Water

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NCP=Non-reinforced Concrete Pipe
CMP=Corrugated Metal Pipe

City of Roseville Downtown Water Mains Replacement Project Hillcrest Neighborhood
State Water Resources Control Board - Division of Drinking Water
New Water Main Paralleling Existing Non-Potable Fluid Pipeline

New Water Main							Non Potable Fluid Pipe					
Item	Plan Sheet	Street	Sta Start	Sta End	Length	Size (in.)	Size (in.)	Material	Fluid	Min Horizontal Clearance (ft.)	Comments	Proposed Joint Type
54	C3	Bonny Knoll Rd	4+42	8+13	371	8	6	VCP	Untreated Sewage	7.9	Due to constructability, the new water main is limited to this specific alignment which does not meet SS minimum horizontal separation of 10 feet clear (Section 64572 of the CCR). New water main in this section will be constructed with upgraded pipe (Class 350 DIP) and R-POJ as shown in Detail 2/D4.	R-POJ
55	C3-C4	Bonny Knoll Rd	9+12	13+79	467	8	6	VCP	Untreated Sewage	5.5	Due to constructability, the new water main is limited to this specific alignment which does not meet SS minimum horizontal separation of 10 feet clear (Section 64572 of the CCR). New water main in this section will be constructed with upgraded pipe (Class 350 DIP) and R-POJ as shown in Detail 2/D4.	R-POJ
56	C5	Wayne Dr	2+32	5+34	336	8	6	VCP	Untreated Sewage	4.6	Due to constructability, the new water main is limited to this specific alignment which does not meet SS minimum horizontal separation of 10 feet clear (Section 64572 of the CCR). New water main in this section will be constructed with upgraded pipe (Class 350 DIP) and R-POJ as shown in Detail 2/D4.	R-POJ
57	C6	Camelia Dr	2+78	3+68	109	8	6	VCP	Untreated Sewage	8.1	Due to constructability, the new water main is limited to this specific alignment which does not meet SS minimum horizontal separation of 10 feet clear (Section 64572 of the CCR). New water main in this section will be constructed with upgraded pipe (Class 350 DIP) and R-POJ as shown in Detail 2/D4.	R-POJ
58	C6-C7	Camelia Dr	3+75	6+28	258	8	6	VCP	Untreated Sewage	8.4	Due to constructability, the new water main is limited to this specific alignment which does not meet SS minimum horizontal separation of 10 feet clear (Section 64572 of the CCR). New water main in this section will be constructed with upgraded pipe (Class 350 DIP) and R-POJ as shown in Detail 2/D4.	R-POJ
59	C9	Toyon Way	0+19	3+34	315	8	6	VCP	Untreated Sewage	10.0	Due to constructability, the new water main is limited to this specific alignment which does not meet SS minimum horizontal separation of 10 feet clear (Section 64572 of the CCR). New water main in this section will be constructed with upgraded pipe (Class 350 DIP) and R-POJ as shown in Detail 2/D4.	R-POJ
60	C9	Toyon Way	3+34	5+17	183	8	6	UNK	Storm Drainage	2.7	Due to constructability, the new water main is limited to this specific alignment which does not meet SD minimum horizontal separation of 4 feet clear (Section 64572 of the CCR). New water main in this section will be constructed with upgraded pipe (Class 350 DIP) and R-MJ as shown in Detail 2/D4.	R-MJ
61	C10	Marian Way	0+20	3+92	371	8	6	VCP	Untreated Sewage	6.7	Due to constructability, the new water main is limited to this specific alignment which does not meet SS minimum horizontal separation of 10 feet clear (Section 64572 of the CCR). New water main in this section will be constructed with upgraded pipe (Class 350 DIP) and R-POJ as shown in Detail 2/D4.	R-POJ
62	C11-C12	Melrose Ave	0+26	7+63	737	12	30	UNK	Storm Drainage	3.9	Due to constructability, the new water main is limited to this specific alignment which does not meet SD minimum horizontal separation of 4 feet clear (Section 64572 of the CCR). New water main in this section will be constructed with upgraded pipe (Class 350 DIP) and R-MJ as shown in Detail 2/D4.	R-MJ
63	C12-C13	Melrose Ave	7+63	16+29	866	12	6	VCP	Untreated Sewage	4.3	Due to constructability, the new water main is limited to this specific alignment which does not meet SS minimum horizontal separation of 10 feet clear (Section 64572 of the CCR). New water main in this section will be constructed with upgraded pipe (Class 350 DIP) and R-POJ as shown in Detail 2/D4.	R-POJ
64	C15-C18	Hillcrest Ave	8+48	35+88	2740	8	6	VCP	Untreated Sewage	4.3	Due to constructability, the new water main is limited to this specific alignment which does not meet SS minimum horizontal separation of 10 feet clear (Section 64572 of the CCR). New water main in this section will be constructed with upgraded pipe (Class 350 DIP) and R-POJ as shown in Detail 2/D4.	R-POJ
65	C19-C20	Marietti Way	0+23	7+72	749	8	6	VCP	Untreated Sewage	6.8	Due to constructability, the new water main is limited to this specific alignment which does not meet SS minimum horizontal separation of 10 feet clear (Section 64572 of the CCR). New water main in this section will be constructed with upgraded pipe (Class 350 DIP) and R-POJ as shown in Detail 2/D4.	R-POJ
66	C22	Maple Dr	5+92	6+05	13	8	6	VCP	Untreated Sewage	9.6	Due to constructability, the new water main is limited to this specific alignment which does not meet SS minimum horizontal separation of 10 feet clear (Section 64572 of the CCR). New water main in this section will be constructed with upgraded pipe (Class 350 DIP) and R-POJ as shown in Detail 2/D4.	R-POJ
67	C23	Vinewood Ave	2+02	2+85	83	8	6	VCP	Untreated Sewage	7.4	Due to constructability, the new water main is limited to this specific alignment which does not meet SS minimum horizontal separation of 10 feet clear (Section 64572 of the CCR). New water main in this section will be constructed with upgraded pipe (Class 350 DIP) and R-POJ as shown in Detail 2/D4.	R-POJ
68	C24	Vinewood Ave	4+40	7+41	310	8	6	VCP	Untreated Sewage	4.0	Due to constructability, the new water main is limited to this specific alignment which does not meet SS minimum horizontal separation of 10 feet clear (Section 64572 of the CCR). New water main in this section will be constructed with upgraded pipe (Class 350 DIP) and R-POJ as shown in Detail 2/D4.	R-POJ

Legend:

AC = Asbestos Cement	CL= Clay	PL = Plastic
CMP = Corrugated Metal Pipe	DIP = Ductile Iron Pipe	STL = Steel
SD = Storm Drain	SS = Sanitary Sewer	UNK = Unknown

Joint Types:

CCR = California Code of Regulations

VCP = Vitrified Clay Pipe

R-MJ = Restrained Mechanical Joint (bolted fitting)

R-POJ = Restrained Push-On Joint Gasket ("Field Lok 350" manufactured by U.S. Pipe, or equivalent) - bell and spigot. Installation per manufacturer's recommendations.

City of Roseville Downtown Water Mains Replacement Project Hillcrest Neighborhood
State Water Resources Control Board - Division of Drinking Water
New Water Main Paralleling Existing Non-Potable Fluid Pipeline

New Water Main							Non Potable Fluid Pipe					
Item	Plan Sheet	Street	Sta Start	Sta End	Length	Size (in.)	Size (in.)	Material	Fluid	Min Horizontal Clearance (ft.)	Comments	Proposed Joint Type
69	C27	Highland Ave	3+30	3+67	37	8	6	VCP	Untreated Sewage	6.8	Due to constructability, the new water main is limited to this specific alignment which does not meet SS minimum horizontal separation of 10 feet clear (Section 64572 of the CCR). New water main in this section will be constructed with upgraded pipe (Class 350 DIP) and R-POJ as shown in Detail 2/D4.	R-POJ
70	C28	Highland Ave	5+20	7+36	216	8	6	VCP	Untreated Sewage	7.1	Due to constructability, the new water main is limited to this specific alignment which does not meet SS minimum horizontal separation of 10 feet clear (Section 64572 of the CCR). New water main in this section will be constructed with upgraded pipe (Class 350 DIP) and R-POJ as shown in Detail 2/D4.	R-POJ
71	C29	Poppy Ln	1+75	4+05	230	8	6	VCP	Untreated Sewage	4.5	Due to constructability, the new water main is limited to this specific alignment which does not meet SS minimum horizontal separation of 10 feet clear (Section 64572 of the CCR). New water main in this section will be constructed with upgraded pipe (Class 350 DIP) and R-POJ as shown in Detail 2/D4.	R-POJ
72	C30	Sunset Dr	0+26	2+42	226	8	6	VCP	Untreated Sewage	4.0	Due to constructability, the new water main is limited to this specific alignment which does not meet SS minimum horizontal separation of 10 feet clear (Section 64572 of the CCR). New water main in this section will be constructed with upgraded pipe (Class 350 DIP) and R-POJ as shown in Detail 2/D4.	R-POJ
73	C31	Sunset Dr	7+89	10+05	216	8	6	VCP	Untreated Sewage	5.7	Due to constructability, the new water main is limited to this specific alignment which does not meet SS minimum horizontal separation of 10 feet clear (Section 64572 of the CCR). New water main in this section will be constructed with upgraded pipe (Class 350 DIP) and R-POJ as shown in Detail 2/D4.	R-POJ
74	C32-C33	Colnar St	0+24	10+41	1022	8	6	VCP	Untreated Sewage	5.8	Due to constructability, the new water main is limited to this specific alignment which does not meet SS minimum horizontal separation of 10 feet clear (Section 64572 of the CCR). New water main in this section will be constructed with upgraded pipe (Class 350 DIP) and R-POJ as shown in Detail 2/D4.	R-POJ
75	C35-C36	Azure Ct	1+43	5+57	414	8	6	VCP	Untreated Sewage	4.6	Due to constructability, the new water main is limited to this specific alignment which does not meet SS minimum horizontal separation of 10 feet clear (Section 64572 of the CCR). New water main in this section will be constructed with upgraded pipe (Class 350 DIP) and R-POJ as shown in Detail 2/D4.	R-POJ
76	C38	Sunrise Ave	0+40	0+48	8	8	10	VCP	Untreated Sewage	8.6	Due to constructability, the new water main is limited to this specific alignment which does not meet SS minimum horizontal separation of 10 feet clear (Section 64572 of the CCR). New water main in this section will be constructed with upgraded pipe (Class 350 DIP) and R-POJ as shown in Detail 2/D4.	R-POJ
77	C41-C42	Folsom Rd	12+50	16+06	356	8	6	VCP	Untreated Sewage	5.7	Due to constructability, the new water main is limited to this specific alignment which does not meet SS minimum horizontal separation of 10 feet clear (Section 64572 of the CCR). New water main in this section will be constructed with upgraded pipe (Class 350 DIP) and R-POJ as shown in Detail 2/D4.	R-POJ

Legend:

AC = Asbestos Cement	CL= Clay	PL = Plastic
CMP = Corrugated Metal Pipe	DIP = Ductile Iron Pipe	STL = Steel
SD = Storm Drain	SS = Sanitary Sewer	UNK = Unknown

Joint Types:

CCR = California Code of Regulations

VCP = Vitrified Clay Pipe

R-MJ = Restrained Mechanical Joint (bolted fitting)

R-POJ = Restrained Push-On Joint Gasket ("Field Lok 350" manufactured by U.S. Pipe, or equivalent) - bell and spigot. Installation per manufacturer's recommendations.

APPENDIX C – Stormwater Pollution Prevention Plan (SWPP) **Version** 1

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STORMWATER POLLUTION PREVENTION PLAN

for

City of Roseville Downtown Water Mains Replacement Project Hillcrest Neighborhood

LUP Type 1

Prepared for:

Legally Responsible Person:
City of Roseville
311 Vernon Street
Roseville, CA 95678
Dominick Casey
(916) 774-5249

Contractor:
(Contractor)

SWPPP Prepared by:

Domenichelli and Associates, Inc.
5180 Golden Foothill Parkway, Suite 220
El Dorado Hills, CA 95762
Sara Rogers, P.E., QSD
(916) 933-1997

SWPPP Preparation Date
October 2020

WDID No.
TBD

Estimated Project Dates:

Start of Construction	**January 1, 2021**	Completion of Construction	**December 31, 2021**

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List of Appendices

APPENDIX A **CONSTRUCTION GENERAL PERMIT**

APPENDIX B **SUBMITTED PERMIT REGISTRATION DOCUMENTS**

NOI, Site Map, Signed Certification Statement, WPCDs

APPENDIX C **SWPPP AMENDMENT LOG**

APPENDIX D **NAL/NEL EXCEEDANCE SITE EVALUATIONS**

(N/A for LUP Type 1)

APPENDIX E **SUBMITTED CHANGES TO PRDS**

(Due to change in ownership or acreage)

APPENDIX F **CONSTRUCTION SCHEDULE**

APPENDIX G **CONSTRUCTION ACTIVITIES, MATERIALS USED AND ASSOCIATED POLLUTANTS**

(Included in SWPPP Body)

APPENDIX H **CASQA BMP HANDBOOK FACT SHEETS**

APPENDIX I **CONSTRUCTION SITE INSPECTION REPORT FORM**

(Use only if required)

APPENDIX J **SITE SPECIFIC RAIN EVENT ACTION PLAN**

(Not used for LUP Type 1)

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Qualified SWPPP Developer

Approval and Certification of the Stormwater Pollution Prevention Plan

Project Name:	*City of Roseville Downtown Water Mains Replacement Project Hillcrest Neighborhood*
WDID Number:	TBD

"This Stormwater Pollution Prevention Plan and Attachments were prepared under my direction to meet the requirements of the California Construction General Permit (SWRCB Orders No. 2009-009-DWQ as amended by Order 2010-0014-DWQ and Order 2012-0006-DWQ). I certify that I am a Qualified SWPPP Developer in good standing as of the date signed below."

QSD Signature	*Date*
Sara Rogers	#00418
QSD Name	*QSD Certificate Number*
Project Manager	916-803-0012
Title and Affiliation	*Telephone Number*
sarar@daengineering.net	
Email	

Legally Responsible Person

Approval and Certification of the Stormwater Pollution Prevention Plan

Project Name: *City of Roseville Downtown Water Mains Replacement Project Hillcrest Neighborhood*

WDID Number: TBD

"I certify under penalty of law that this document and all Attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Dominick Casey

Legally Responsible Person

Signature of Legally Responsible Person or Approved Signatory	Date
Janice Gainey	916-774-5536
Name of Legally Responsible Person or Approved Signatory	Telephone Number

Amendment Log

Project Name: *City of Roseville Downtown Water Mains Replacement Project Hillcrest Neighborhood*

WDID Number: TBD

Amendment No.	Date	Brief Description of Amendment, include section and page number	Prepared and Approved By
			Name: QSD#
			Name: QSD#
			Name: QSD#
			Name: QSD#
			Name: QSD#
			Name: QSD#
			Name: QSD#
			Name: QSD#
			Name: QSD#

Section 1 – SWPPP Requirements

1.1 Introduction

The project is located in Roseville, California in Placer County. The purpose of this project is to install approximately 1,630 LF of 12-inch pipe, 17,920 LF of 8-inch pipe, water services, fire hydrants, and associated appurtenances. The work must include notifying residents/tenants, verifying location and elevations of each main line and lateral to be installed, locating all interfering utilities, traffic control, excavation, shoring, dewatering, pipe installation, pipe abandonment, meter relocation and installation, backflow prevention relocation and installation, reconnection of services, connections to existing waterlines, drainage box culvert crossings, backfilling, surface restoration and all other work required to complete the work as shown on the plans and specified in the contract documents. The project location is shown on the Site Maps in Appendix B.2.63

The project owner is the **City of Roseville (CoR).** The contractor for the installation is **(Insert Contractors Name HERE).** Construction for the project is scheduled to start in January 2021. The Notice-to-Proceed date is January xx, 2021.

This SWPPP has been prepared to comply with the California's General Permit for *Storm Water Discharges Associated with Construction and Land Disturbance Activities* (General Permit), a copy of the State Water Resources Control Board (SWRCB) Order No. 2009-0009-DWQ for the General Permit has been included as Appendix A.

Major objectives of the SWPPP as identified in the General Permit (Section XIV.A):

The discharger must ensure that the SWPPPs for all traditional project sites are developed and amended or revised by a Qualified SWPPP Developer (QSD). The SWPPP must be designed to address the following objectives:

1. All pollutants and their sources, including sources of sediment associated with construction, construction site erosion and all other activities associated with construction activity are controlled;
2. Where not otherwise required to be under a Regional Water Quality Control Board (RWQCB) permit, all non-stormwater discharges are identified and either eliminated, controlled, or treated;
3. Site Best Management Practices (BMPs) are effective and result in the reduction or elimination of pollutants in stormwater discharges and authorized non-stormwater discharges from construction activity to the Best Available Technology/Best Control Technology (BAT/BCT) standard;
4. Calculations and design details as well as BMP controls for site run-on are complete and correct, and
5. Stabilization BMPs installed to reduce or eliminate pollutants after construction are completed.
    - Identify post-construction BMPs, which are those measures to be installed during construction that are intended to reduce or eliminate pollutants after construction is completed (post-construction BMPs are required for all sites by Section XIII.B).
    - Identify and provide methods to implement BMP inspection, visual monitoring, Rain Event Action Plan (REAP) if required and Construction Site Monitoring Program (CSMP) requirements to comply with the General Permit.

1.2 Permit Registration Documents (PRDs)

To obtain coverage under the Construction General Permit, project related PRDs must be submitted to the SWRCB via the Stormwater Multi Application and Report Tracking System (SMARTS) by the Legally Responsible Person (LRP) (General Permit Sections I.D.36, II.B, and Attachment B). Copies of the PRDs are included in the SWPPP Appendix B. The following PRDs are required for all projects:

1. Signed Certification Statement
2. Notice of Intent (NOI);
3. Annual Fee
4. Site Map
5. WPCD

This SWPPP is also required to be filed electronically and must be submitted to the SWRCB as a PRD. The SWPPP will be uploaded to SMARTS following City of Roseville approval.

1.3 SWPPP Availability and Implementation

The General Permit (Section XIV.C) requires the SWPPP be available at the construction site during working hours while construction is occurring, and must be made available upon request by a State or Municipal inspector. When the original SWPPP is retained by a crewmember in a construction vehicle and is not currently at the construction site, current copies of the BMPs and map/drawing will be left with the field crew and the original SWPPP must be made available via a request by radio/telephone. The SWPPP must be implemented concurrently with the start of ground disturbing activities.

1.4 SWPPP Amendments

The General Permit requires that SWPPP be amended or revised by a QSD (Section XIV.A) and that the SWPPP include a listing of the date of initial preparation and the date of each amendment. Amendments must be signed by a QSD (Section VII.B.6). All amendments must be dated, directly attached to the SWPPP, and logged in SWPPP Appendix C. An amendment template is provided in Appendix C

1.5 Retention of Records

The General Permit (Sections I.J.69 and IV.G) requires that all dischargers maintain a paper or electronic copy of all required records for three years from the date generated or date submitted, whichever is last. These records must be available at the construction site until construction is completed. The discharger must furnish the RWQCB, SWRCB, or US Environmental Protection Agency (EPA), within a reasonable time, any requested information to determine compliance with this General Permit. A copy of the SWPPP must be kept at the Contractor's staging area, and will be available to review at all times. RWQCB's may require records to be retained for longer periods.

1.6 Required Non-Compliance Reporting

The General Permit identifies several areas of non-compliance reporting. It is the responsibility of the permittee to properly document reportable discharges or other violations of the General Permit. Exceedances and violations should be reported using the SMARTS system and include the following if required:

- Numeric Action Level (NAL) exceedances (NAL Exceedance Report upon request of the RWQCB); (Not required for LUP Type 1)

- Numeric Effluent Limitation (NEL) Violation Report (Not required for LUP Type 1)
- Self-reporting of any other discharge violations or to comply with RWQCB enforcement actions; and
- Discharges which contain a hazardous substance in excess of reportable quantities established in 40 CFR §§ 117.3 and 302.4, unless a separate NPDES Permit has been issued to regulate those discharges.

In the event of the exceedance of a NAL, document the subsequent site evaluation in the SWPPP (Section V.C.4). It is recommended that documentation of all reportable exceedances be included in the SWPPP. Include the results of an NAL exceedance site evaluation along with other non-compliance events in SWPPP Appendix D.

NOTE: This project has been designated an LUP Type 1 which does not designate numeric limitations.

1.7 Annual Report

The General Permit requires that all permittees prepare, certify, and electronically submit an Annual Report no later than September 1 of each year. Reporting requirements are identified in Section XVI of the General Permit and include (but are not limited to) providing a summary of:

1) Sampling and analysis results including laboratory reports, analytical methods and reporting limits and chain of custody forms (Risk Levels 2 and 3);
2) Corrective actions and compliance activities, including those not implemented;
3) Violations of the General Permit;
4) Date, time, place, and name(s) of the inspector(s) for all sampling, inspections, and field measurement activities;
5) Visual observation and sample collection exception records; and
6) Training documentation of all personnel responsible for General Permit compliance activities.

1.8 Changes to Permit Coverage

The General Permit (Section II.C) allows a permittee to reduce or increase the total acreage covered under the General Permit when a portion of the project is complete and/or conditions for termination of coverage have been met; when ownership of a portion of the project is sold to a different entity; or when new acreage is added to the project.

To change the acreage covered, the permittee must electronically file modifications to PRDs, revised NOI, site map, SWPPP revisions as appropriate, and certification that new landowners have been notified of applicable requirements to obtain permit coverage (including name, address, phone number, and e-mail address of new landowner) in accordance with requirements of the General Permit within 30 days of a reduction or increase in total disturbed area. Include any updates to PRDs submitted via SMARTS in SWPPP Appendix E. Document any related SWPPP revisions/amendments (Section II.C.2) in SWPPP Appendix C.

1.9 Notice of Termination

To terminate coverage under the General Permit, a Notice of Termination (NOT) must be submitted electronically via SMARTS. A "final site map" and photos are required to be submitted with the NOT. Filing a NOT certifies that all General Permit requirements have been met. The NOT is submitted when the construction project is complete and within 90 days of meeting all General Permit requirements for termination and final stabilization (Section II.D) including:

- The site will not pose any additional sediment discharge risk than it did prior to construction activity.
- All construction related equipment, materials and any temporary BMPs no longer needed are removed from the site.
- Post-construction stormwater management measures are installed and a long-term maintenance plan that is designed for a minimum of five years has been developed.

The NOT must demonstrate through photos, Revised Universal Soil Loss Equation (RUSLE) results, or results of testing and analysis that the project meets all of the requirements of Section II.D.1 of the General Permit by one of the following methods:

- 70% final cover method (no computational proof required); or
- RUSLE/RUSLE2 method (computational proof required); or
- Custom method (discharger demonstrates that site complies with final stabilization).

Section 2 – Project Information

2.1 Project and Site Description

The area disturbed for the construction of new water lines is approximately 3.5 acres and the elevation is approximately 65-ft above sea level. Groundwater is not anticipated during excavation and soil geologic information is not provided for this project. The project is located at N 38.74317° by W -121.27568° and is identified on the Site Map in Appendix B.

The project is located in Roseville, California in Placer County. The purpose of this project is to install approximately 1,630 LF of 12-inch pipe, 17,920 LF of 8-inch pipe, water services, fire hydrants, and associated appurtenances. The work must include notifying residents/tenants, verifying location and elevations of each main line and lateral to be installed, locating all interfering utilities, traffic control, excavation, shoring, dewatering, pipe installation, pipe abandonment, meter relocation and installation, backflow prevention relocation and installation, reconnection of services, connections to existing waterline, drainage and sewer crossings, backfilling, surface restoration and all other work required to complete the work as shown on the plans and specified in the contract documents.

2.2 Stormwater Run-On From Offsite Areas

Offsite run-on is anticipated from private properties and streets. Offsite drainage patterns will essentially remain the same and continue flow to natural drainage ways and/or the municipal storm drain system through the use of roadside curb and gutter and/or ditches and culverts.

2.3 Findings of the Construction Site Risk Determination

This project has been defined as a Linear Underground Project (LUP) based on requirements listed in the General Permit in Attachment A. The project was identified as a Type 1 LUP. The type was concluded from the below requirements:

- 70 percent or more of the construction activity occurs on paved surfaces
- Areas disturbed during construction will be returned to preconstruction conditions or equivalent protection established at the end of the construction activities for the day.

The SWPPP has been prepared to comply with the LUP Type 1 requirements.

2.4 Construction Schedule

The project is scheduled to begin during January 2021 and the estimated completion date is December 2021. Prior to the start of construction, a detailed project schedule with phasing of significant activities must be attached in Appendix F. Basic BMPs including non-stormwater controls and waste management will be implemented at the start of construction. All other BMPs will be implemented prior to an anticipated storm event as defined in this SWPPP.

2.5 Potential Construction Site Pollutant Sources

The following is a list of construction materials that will be used and activities that will be performed that will have the potential to contribute pollutants, other than sediment, to stormwater runoff (control practices for each activity are identified in the WPCDs provided in Attachment B and/or in Section 3):

- Vehicle Fluids, including oil, grease, petroleum and coolants associated with fueling and servicing vehicles and construction equipment

- Asphalt products associated with asphalt-concrete and asphalt-concrete paving operations
- Paints and thermo plastics associated with painting and striping activities
- Portland Cement Concrete and Masonry products associated with demolition and construction activities
- Drilling fluids for Horizontal Directional Drilling (HDD) installation
- Landscaping projects
- Portable Toilet Waste Products
- General Litter

Potential non-stormwater and waste management related discharges are described in Section 3 as well.

The following is a list of construction activities that have the potential to contribute sediment to stormwater discharges include: (control practices for each activity are identified in the WPCDs provided in Appendix B and/or in Section 3):

- Earthwork/Excavation and Grading
- Clearing and grubbing
- Paving and grinding
- Painting and striping
- Irrigation and landscaping operations

Section 3 lists all Best Management Practices (BMPs) that are contract requirements, including details used for this project. Implementation and location of BMPs, including details, are shown on the WPCDs in Appendix B. Narrative descriptions of BMPs to be used during the project are listed by category in each of the following SWPPP sections.

Existing (Pre-Construction) Control Measures

The following are existing (pre-construction) control measures encountered within the project site:

- Trees, plants, and other vegetation/landscape
- Pavement
- Buildings
- Fire hydrants
- Power/telephone/light poles
- Sewer/gas/electric/water/AT&T lines
- Storm drain inlets/culverts

Nature of Fill Material and Existing Data Describing the Soil

Existing site features that, as a result of past usage, may contribute pollutants to stormwater (e.g., toxic materials that are known to have been treated, stored, disposed, spilled, or leaked onto the construction site) are listed below.

For the purpose of this section a check of groundwater contamination sites in the project vicinity was made on the SWRCB's GeoTracker geographic information system website (geotracker.waterboards.ca.gov) no groundwater contamination sites were identified within ½ - mile of the project vicinity:

2.6 Identification of Non-Stormwater Discharges

Non-stormwater discharges authorized by the General Permit are anticipated for this project. Authorized discharges for this project include fire hydrant flushing, pipe flushing and testing, water to control dust, street cleaning, and dewatering. All discharges must comply with the General Permit and BMPs as described in this SWPPP. Water must be de-chlorinated and tested prior to discharge into local storm drain system.

All discharges must meet the requirements of the City's current NPDES permit for low threat discharges. The contractor must obtain a copy of the permit for reference. See Specification Section 33 12 13 Water Connection and Tie-ins for additional requirements related to flushing and disinfection,

Refer to Section 3.3 for Best Management Practices for Non-Stormwater and Waste Materials in order to prevent potential sources of water pollution before they come in contact with storm water systems or watercourses.

Section 3 – Best Management Practices

BMPs described and selected for implementation for this project are described in the sections below. A copy of the CASQA BMP Handbook Fact Sheets is included in Appendix H. Fact sheets should be consulted during SWPPP BMPs implementation. City of Roseville BMPs have been developed in in accordance with the CASQA Handbook Fact Sheet and should be referenced via the link in **Section 8 – References**.

3.1 Schedule for BMP Implementation

Implementation of Soil Stabilization BMPs

BMPs will be deployed in a sequence to follow the progress of grading and construction. As the locations of soil disturbance change and the rainy and non-rainy seasons change, erosion and sedimentation controls will be adjusted accordingly to control storm water runoff at the downgrade perimeter and drain inlets.

Implementation of Temporary Sediment Controls

During the rainy season, temporary sediment controls will be implemented at the draining perimeter of any disturbed soil areas and at storm drain inlets at all times.

During the non-rainy season, temporary sediment controls will be implemented at the draining perimeter of any disturbed soil areas before rain events.

Implementation of Wind Erosion Controls

Wind erosion controls will be applied as necessary to prevent nuisance dust as required by the SWPPP Project Specifications, BMP WE-1, Wind Erosion Control, and as Directed by the Engineer. The soil stabilization BMPs selected for the project will also provide wind erosion control benefits.

Implementation of Non-Storm Water Management BMPs

Paving and grinding operations, demolition, vehicle fueling and maintenance, concrete washout, and concrete curing and finishing are all examples of project activities that can generate non-storm water discharges. Non-stormwater BMPs will be implemented prior to the start of these construction activities.

Implementation of Waste Management Pollution Control BMPs

The primary objective of this practice is to prevent the release of waste materials into storm water discharges. Water Management Pollution Control BMPs will be implemented prior to the start of construction activities.

3.2 Erosion and Sediment Control

Good Site Management "Housekeeping"

1. LUP Type 1 dischargers must implement good site management (i.e., "housekeeping") measures for construction materials that could potentially be a threat to water quality if discharged. At a minimum, the good housekeeping measures must consist of the following:
    a. Cover and berm loose stockpiled construction materials that are not actively being used (i.e. soil, spoils, aggregate, fly-ash, stucco, hydrated lime, etc.).
    b. Store chemicals in watertight containers (with appropriate secondary containment to prevent any spillage or leakage) or in a storage shed (completely enclosed).

c. Minimize exposure of construction materials to precipitation (not applicable to materials designed to be outdoors and exposed to the environment).
d. Implement BMPs to control the off-site tracking of loose construction and landscape materials.

2. LUP Type 1 dischargers must implement good housekeeping measures for waste management, which, at a minimum, must consist of the following:

   a. Prevent disposal of any rinse or wash waters or materials on impervious or pervious site surfaces or into the storm drain system.
   b. Ensure the containment of sanitation facilities (e.g., portable toilets) to prevent discharges of pollutants to the storm water drainage system or receiving water.
   c. Clean or replace sanitation facilities and inspect them regularly for leaks and spills.
   d. Cover waste disposal containers at the end of every business day and during a rain event.
   e. Prevent discharges from waste disposal containers to the storm water drainage system or receiving water.
   f. Contain and securely protect stockpiled waste material from wind and rain at all times unless actively being used.
   g. Implement procedures that effectively address hazardous and nonhazardous spills.
   h. Ensure the containment of concrete washout areas and other washout areas that may contain additional pollutants so there is no discharge into the underlying soil and onto the surrounding areas.

3. LUP Type 1 dischargers must implement good housekeeping for vehicle storage and maintenance, which, at a minimum, must consist of the following:

   a. Prevent oil, grease, or fuel from leaking into the ground, storm drains, or surface waters.
   b. Implement appropriate BMPs whenever equipment or vehicles are fueled, maintained, or stored.
   c. Clean leaks immediately and dispose of leaked materials properly.

4. LUP Type 1 dischargers must implement good housekeeping for landscape materials, which, at a minimum, must consist of the following:

   a. Contain stockpiled materials such as mulches and topsoil when they are not actively being used.
   b. Contain fertilizers and other landscape materials when they are not actively being used.
   c. Discontinue the application of any erodible landscape material at least 2 days before a forecasted rain event or during periods of precipitation.
   d. Apply erodible landscape material at quantities and application rates according to manufacture recommendations, or based on written specifications by knowledgeable and experienced field personnel.
   e. Stack erodible landscape material on pallets, and cover or store such materials when not being used or applied.

5. LUP Type 1 dischargers must conduct an assessment and create a list of potential pollutant sources and identify any areas of the site where additional BMPs are necessary to reduce or prevent pollutants in storm water discharges and authorized non-storm water discharges. This potential pollutant list must be kept with the SWPPP and must identify all non-visible pollutants, which are known, or should be known, to occur on the construction site.

Soil Stabilization (Erosion Control)

Soil stabilization, also referred to as erosion control, consists of source control measures that are designed to prevent soil particles from detaching and becoming transported in stormwater runoff. Soil stabilization BMPs protect the soil surface by covering and/or binding soil particles. This project will incorporate minimum temporary soil stabilization requirements, temporary soil stabilization measures as required by the SWPPP, and other measures selected by the Contractor. The steps outlined in the instructions for this section for identifying soil stabilization BMPs to be included in the SWPPP have been followed.

1. LUP Type 1 dischargers must implement effective wind erosion control as provided in this SWPPP.
2. LUP Type 1 dischargers must provide effective soil cover for inactive areas (areas of construction activity that have been disturbed and are not scheduled to be re-disturbed for at least 14-days) and all finished slopes, and utility backfill.
3. LUP Type 1 dischargers must limit the use of plastic materials when more sustainable, environmentally friendly alternatives exist. Where plastic materials are deemed necessary, the discharger must consider the use of plastic materials resistant to solar degradation.
4. Preserve existing vegetation where required and when feasible.
5. Apply temporary soil stabilization (erosion control) to remaining active and non-active areas as required by the Project Specifications and the SWPPP. Reapply as necessary to maintain effectiveness.
6. Implement temporary soil stabilization measures at regular intervals throughout the defined rainy season to achieve and maintain the contract's disturbed soil area requirements. When the Project Specifications require it, temporary soil stabilization will be implemented 20 days prior to the defined rainy season.
7. Stabilize non-active areas within 14 days of cessation of construction activities or one day prior to all predicted rain events, whichever comes first.
8. Control erosion in concentrated flow paths by applying erosion control blankets, check dams, erosion control seeding, and lining swales as required by the SWPPP and/or WPCD in Appendix B.
9. Apply seed to areas deemed substantially complete by the Engineer during the defined rainy season.
10. At completion of construction, apply permanent erosion control to all remaining disturbed soil areas as required by the SWPP and/or WPCD in Appendix B.

Sufficient soil stabilization materials will be maintained onsite to allow implementation in conformance with this SWPPP. This includes implementation requirements for active and non-active areas that require deployment before the onset of rain.

The following soil stabilization BMP implementation table indicates the BMPs that must be implemented to control erosion on the construction site. Locations and details of temporary soil stabilization BMPs are shown on the WPCDs in Appendix B. The following list of BMPs and narrative explain how the selected BMPs will be incorporated into the project.

TEMPORARY SOIL STABILIZATION BMPs						
CONSTRUCTION BMP ID NO [1]	BMP NAME	MINIMUM REQUIREMENT [3]	CONTRACT BID ITEM	BMP USED		IF NOT USED, STATE REASON
				YES	NO	
EC-1	Scheduling	✓	☐	☒	☐	
EC-2	Preservation of Property/ Preservation of Existing Vegetation	✓	☐	☒	☐	
EC-3	Temporary Hydraulic Mulch (Bonded Fiber Matrix)		☐	☐	☒	Not required for this project
	Temporary Hydraulic Mulch (Polymer Stabilized Fiber Matrix)		☐	☐	☒	Not required for this project
EC-4	Temporary Erosion Control (Hydroseeding)		☐	☐	☒	Not required for this project
EC-5	Temporary Soil Stabilizer (Soil Binders)		☐	☐	☒	Not required for this project
EC-6	Temporary Erosion Control (Straw Mulch with Stabilizing Emulsion)		☐	☐	☒	Not required for this project
EC-7	Temporary Erosion Control Blanket (On Slope)		☐	☐	☒	Not required for this project
	Temporary Erosion Control Blanket (In swale or ditch)		☐	☐	☒	Not required for this project
EC-7	Temporary Cover (Plastic Covers)	✓	☐	☒	☐	
EC-8	Temporary Mulch (Wood)		☐	☐	☒	Not required for this project
EC-9	Earth Dikes / Drainage Swales & Lined Swales		☐	☐	☒	Not required for this project
EC-10	Outlet Protection / Velocity Dissipation Devices		☐	☐	☒	Not required for this project
EC-11	Slope Drains		☐	☐	☒	Not required for this project
EC-12	Streambank Stabilization		☐	☐	☒	Not required for this project

EC-13	Reserved		☐	☐	☒	Not required for this project
EC-14	Compost Blanket		☐	☐	☒	Not required for this project
EC-15	Soil Preparation / Roughening		☐	☐	☒	Not required for this project
EC-16	Non-Vegetative Stabilization		☐	☐	☒	Not required for this project
ALTERNATIVE SOIL STABILIZATION BMPs USED[4] ☐ Yes ☐ No						**IF USED, STATE REASON**
CONSTRUCTION BMP ID NO [1]	**BMP NAME**					

Notes:
[1] The BMP designations (SS-1, SC-3, etc.) are solely for maintaining continuity with existing Caltrans documents and are not provided to imply that the Construction Site BMP Reference Manual is a required contract document.
[2] The Contractor must ensure implementation of one of the two measures listed or a combination thereof to achieve and maintain the contract's rainy and non-rainy season requirements.
[3] Not all minimum requirements may be applicable to every project. Applicability to a specific project must be determined by the Contractor and approved by the Engineer.
[4] Use of alternative BMPs will require writtern approval by the Engineer.

BMPs will be mobilized as follows:

EC-1 Scheduling

Construction scheduling must consider the amount and duration of soil exposed to erosion by wind, rainfall, and vehicle tracking, and will seek to minimize disturbed soil area during the rainy season. As the project progresses, amendments to the construction schedule may change, and thus the SWPPP may change. In this event, the Contractor must amend the SWPPP schedule as appropriate.

EC-2 Preservation of Existing Property / Preservation of Existing Vegetation

Preserve existing vegetation to the maximum extent possible to eliminate erosion, especially to protect Environmentally Sensitive Areas.

Protection of existing trees not authorized for removal must be given special attention. Every reasonable effort must be made to avoid creating conditions adverse to the tree's health. The natural ground within the dripline of saved and protected trees must remain as undisturbed as possible.

- Prior to initiating the project construction, in order to avoid damage to the trees and their root systems the Contractor must install chain link fencing or an approved equal protective barrier around the driplines plus five feet (5') of any existing tree that is not authorized for removal.
- No signs, ropes, cables, or any other items must be attached to any existing tree that is not authorized for removal, except those cables that may be recommended by a certified arborist for limb support.
- No vehicles, construction equipment, mobile home/office, supplies, materials, or facilities must be driven, parked, stockpiled, or located within the dripline of any existing tree that is not authorized for removal.
- Roots that are approved to be severed or that fall within the structural sections of the facility to be constructed must be cut cleanly, treated with "root sealer" compound, and covered with earth as soon as possible. Support roots that are inside the dripline of

existing trees not authorized for removal must be protected. The contractor is required to hand-dig in the vicinity of major trees to prevent root cutting and mangling, which may be caused by heavy equipment. Roots one inch (1") or greater in diameter encountered within the tree's dripline must not be cut without the Engineer's approval, and must be kept moist, as approved by the Engineer, and covered with earth within twenty-four (24) hours.

EC-7 Temporary Covers

Temporary Covers will be applied to stabilize the disturbed areas and slopes if required or as directed by the Engineer. Temporary Covers will be placed on stockpiles or any disturbed soil areas during the rainy season, in active disturbed soil areas at all times, and in non-active disturbed soil areas as to prevent soil particles from detaching and becoming suspended in storm water runoff. This BMP will be placed to eliminate discharge of these pollutants to the storm drain system. Polyethylene covers will be used throughout the project area to cover small exposed soil areas prior to forecast storm events, and anchored to prevent damage by wind.

Sediment Control

Sediment controls are structural measures that are intended to complement and enhance the selected soil stabilization (erosion control) measures and reduce sediment discharges from construction areas. Sediment controls are designed to intercept and settle out soil particles that have been detached and transported by the force of water. This project will incorporate minimum temporary sediment control requirements, temporary sediment control measures required by the contract documents, and other measures selected by the Contractor. The steps outlined in the instructions for this section for identifying sediment control BMPs to be included in the SWPPP have been followed.

Sediment control BMPs will be installed at all appropriate locations along the site perimeter and at all operational internal inlets to the storm drain system at all times during the rainy season. During the non-rainy season, adequate sediment control materials will be available to control sediment discharges at the downgrade perimeter and operational inlets in the event of a predicted storm.

Temporary sediment control materials, equivalent to 10% of the installed quantites on the site during the rainy and non-rainy seasons will be maintained onsite throughout the duration of the project for implementation in event of predicted rain, rapid response to failures or emergencies, in conformance with other City of Roseville requirements, and as described in the SWPPP. This includes implementation requirements for active areas and non-active areas before the onset of rain.

Prior to the opening of a new DSA in the rainy season, additional temporary sediment control materials necessary to protect this DSA will be stored onsite.

The following sediment control BMP implementation table indicates the BMPs that must be implemented to control sediment on the construction site. Implementation and locations of temporary sediment control BMPs are shown on the WPCDs in Appendix B and described in this section. The BMP fact sheets can also be found in Appendix H of this SWPPP. The following list of BMPs and narrative explain how the selected BMPs will be incorporated into the project.

TEMPORARY SEDIMENT CONTROL BMPs						
CONSTRUCTION BMP ID NO[1]	BMP NAME	MINIMUM REQUIRE-MENT [3]	CONTRACT BID ITEM	BMP USED		IF NOT USED, STATE REASON
				YES	NO	
SE-1	Temporary Silt Fence	✓[2]	☐	☒	☐	
SE-2	Temporary Sediment Basin		☐	☐	☒	Not required for this project
SE-3	Temporary Sediment Trap		☐	☐	☒	Not required for this project
SE-4	Temporary Check Dam		☐	☐	☒	Not required for this project
SE-5	Temporary Fiber Rolls	✓[2]	☐	☒	☐	
SE-6	Temporary Gravel Bag Berm	✓[2]	☐	☒	☐	
SE-7	Street Sweeping	✓	☐	☒	☐	
SE-8	Temporary Sandbags	✓[2]	☐	☒	☐	
SE-9	Temporary Straw Bale Barrier	✓[2]	☐	☒	☐	
SE-10	Temporary Drain Inlet Protection	✓	☐	☒	☐	
SE-11	Active Treatment Systems		☐	☐	☒	Not required for this project
SE-12	Temporary Silt Dike		☐	☐	☒	Not required for this project
SE-13	Compost Socks and Berms		☐	☐	☒	Not required for this project
SE-14	Biofilter Bags	✓[2]	☐	☒	☐	
ALTERNATIVE SEDIMENT CONTROL BMPs USED[4]						IF USED, STATE REASON

Notes:
[1] The BMP designations (SS-1, SC-3, etc.) are solely for maintaining continuity with existing Caltrans documents and are not provided to imply that the Construction Site BMP Reference Manual is a required contract document.
[2] The Contractor must ensure implementation of one of the two measures listed or a combination thereof to achieve and maintain the contract's rainy and non-rainy season requirements.
[3] Not all minimum requirements may be applicable to every project. Applicability to a specific project must be determined by the Contractor and approved by the Engineer.
[4] Use of alternative BMPs will require written approval by the Engineer.

BMPs will be mobilized as follows:

SE-1 Temporary Silt Fence

Silt fences will be installed to intercept runoff, reduce its flow velocity, release the runoff as sheet flow, and provide sediment removal prior to forecast storm events, in case of a sudden rain event or as directed by the Engineer.

Silt fencing will be deployed to control and capture sediment and pollutants that may be discharged during construction work. Silt fences are anticipated to be used at staging areas and around stockpile materials as necessary.

Inspections should take place before and after rainfall events or at least once every 24 hours during extended rainfall events. Also, remove all sediment collected in case of a rainfall event to prevent sediment from falling or entering drainage course.

SE-5 Temporary Fiber Rolls

Fiber rolls consist of wood excelsior, rice or wheat straw, or coconut fibers that are rolled or bound into a tight tubular roll and placed on the toe and face of slopes to intercept runoff, reduce its flow velocity, release the runoff as sheet flow, and provide removal of sediment from the runoff. Fiber rolls will be installed as needed, and may be used for drain inlet protection if approved by the QSD/Engineer.

SE-6, SE-8, and SE-14 Temporary Gravel Bag Berm, Sandbags, and Biofilter Bags

Temporary gravel bag berms, sandbags, and biofilter bags are installed to act as a barrier across a slope to intercept runoff, reduce flow velocity, release runoff as sheet flow, and provide some sediment removal. Devices used are subject to runoff from construction activities to detain and/or to filter sediment laden runoff, to allow sediment to settle, and/or to filter sediment prior to discharge into storm drainage systems or water courses. The Contractor must ensure implementation of one of the measures listed or a combination of the measures listed to achieve and maintain the contract's rainy and non-rainy season requirements. The listed measures will be used as necessary and where deemed appropriate on this project.

SE-7 Street Sweeping

Road sweeping and vacuuming will occur as necessary to keep paved roadways clear of soil. Debris/ washing of sediments tracked onto paved roadways into storm drains is prohibited. The Contractor must maintain at least one sweeper on the job site at all times during the period that sweeping work is required. Sweepers must be self-loading, motorized, and must have spray nozzles. Sweepers may include a vacuum apparatus.

Street sweeping must start at the beginning of clearing and grubbing and must continue until completion of the project or as directed by the Engineer. Street sweeping must be performed immediately after soil disturbing activities occur or offsite tracking of materials is observed. Street sweeping must be performed so that dust is minimized. If dust generation is excessive or sediment pickup is ineffective as determined by the QSD/Engineer, the use of water or a vacuum will be required.

SE-9 Temporary Straw Bale Barrier

Straw bale barriers will be used as a temporary linear sediment barrier. It will consist of straw bales, designed to intercept and slow sediment-laden sheet flow runoff. It will allow sediment to settle from runoff before water leaves the construction site. Straw bale barriers will be used as necessary and where deemed appropriate on this project.

SE-10 Temporary Drain Inlet Protection

Devices used at storm drain inlets are subject to runoff from construction activities and are used to detain and/or to filter sediment laden runoff and to allow sediment to settle and/or to filter sediment prior to discharge into storm drainage systems or water courses. Four different types of DI protection may be used (Type 1 –Filter Fabric Fence, Type 2 –Excavated Drop Inlet Sediment Trap, Type 3 – Gravel Bag, Type 4- Foam Barriers and Fiber Rolls).

Tracking Control

The following tracking control BMP implementation table indicates the BMPs that must be implemented to reduce sediment tracking from the construction site onto private or public roads. The steps outlined in the instructions for this section for identifying tracking control BMPs to be included in the SWPPP have been followed. Implementation and locations of sediment tracking BMPs are shown on the WPCDs in Appendix B and described in this section. The following list of BMPs and narrative explain how the selected BMPs will be incorporated into the project.

TEMPORARY TRACKING CONTROL BMPs

CONSTRUCTION BMP ID NO[1]	BMP NAME	MINIMUM REQUIRE-MENT	CONTRACT BID ITEM	BMP USED		IF NOT USED, STATE REASON
				YES	NO	
SE-7	Street Sweeping	✓	☐	☒	☐	
TC-1	Temporary Construction Entrance	✓	☐	☒	☐	
TC-2	Stabilized Construction Roadway	✓	☐	☒	☐	
TC-3	Temporary Entrance / Outlet Tire Wash		☐	☐	☒	Not required for this project

ALTERNATIVE TRACKING CONTROL BMPs USED[2] ☐ Yes ☐ No	IF USED, STATE REASON

Notes:
[1] The BMP designations (SS-1, SC-3, etc.) are solely for maintaining continuity with existing Caltrans documents and are not provided to imply that the Construction Site BMP Reference Manual is a required contract document.
[2] Use of alternative BMPs will require written approval by the Engineer.

BMPs to Reduce Sediment Tracking

The tracking of mud and soil onto public roads by construction vehicles is to be avoided. If sediment or other materials are deposited on public roads from construction vehicles, the materials should be swept from the roadway surface and disposed of properly. Debris must not be swept into storm drains or drainage areas.

Project controls will help to minimize tracking by restricting vehicle travel areas. Construction activities and vehicle encroachment into areas outside the Limits of Work or off access roads are prohibited except as approved by the Owner in writing prior to the activity or encroachment.

BMPs will be mobilized as follows:

TC-1 Temporary Construction Entrance

To control tracking of sediments as required per the onsite Construction site BMPs manual, tempory construction entrance stabilization will be implemented at all entrance/exit locations to

the project site or Contractor's staging areas that are subject to sediment discharges resulting from various construction activities.

TC-2 Stabilized Construction Roadway

Stabilized construction roadway BMPs will be implemented along all construction roadways throughout the project site or contractor's staging areas that are subject to sediment discharges resulting from various construction activities to control tracking of sediments as required per **SE-7 Street Sweeping** of the onsite Construction site BMPs manual.

Road sweeping and vacuuming will occur as necessary to keep paved roadways clear of soil and debris. Washing of sediments tracked onto paved roadways into storm drains is prohibited. The Contractor must maintain at least one sweeper on the job site at all times during the period that sweeping work is required. Sweepers must be self-loading, motorized, and must have spray nozzles. Sweepers may include a vacuum apparatus.

Street sweeping must start at the beginning of clearing and grubbing, and must continue until completion of the project or as directed by the QSD/Engineer. Street sweeping must be performed immediately after soil disturbing activities occur or offsite tracking of materials is observed. Street sweeping must be performed so that dust is minimized. If dust generation is excessive or sediment pickup is ineffective as determined by the Engineer, the use of water or a vacuum will be required.

Wind Erosion Control

The steps outlined in the instructions for this section for identifying wind erosion control BMPs to be included in the SWPPP have been followed. The following wind erosion control BMP implementation table indicates the BMPs that must be implemented to control wind erosion on the construction site. Locations and details of wind erosion control BMPs are shown on the WPCDs in Appendix B (as applicable). The following list of BMPs and narrative explain how the selected BMPs must be incorporated into the project.

TEMPORARY WIND EROSION CONTROL BMPs

CONSTRUCTION BMP ID NO(1)	BMP NAME	MINIMUM REQUIREMENT(2)	CONTRACT BID ITEM	BMP USED		IF NOT USED, STATE REASON
				YES	NO	
WE-1	Wind Erosion Control	✓	☐	☒	☐	
TC-1	Temporary Construction Entrance	✓	☐	☒	☐	
TC-2	Stabilized Construction Roadway	✓	☐	☒	☐	
-----	All Soil Stabilization Measures included in Section 500.3.4	✓	☐	☒	☐	
ALTERNATIVE WIND EROSION CONTROL BMPs USED(3)						**IF USED, STATE REASON**

TEMPORARY WIND EROSION CONTROL BMPs						
CONSTRUCTION BMP ID NO(1)	BMP NAME	MINIMUM REQUIRE-MENT(2)	CONTRACT BID ITEM	BMP USED		IF NOT USED, STATE REASON
				YES	NO	
Notes: (1) The BMP designations (SS-1, SC-3, etc.) are solely for maintaining continuity with existing Caltrans documents and are not provided to imply that the Construction Site BMP Reference Manual is a required contract document. (2) Not all minimum requirements may be applicable to every project. Applicability to a specific project must be determined by the Contractor and approved by the Engineer. (3) Use of alternative BMPs will require written approval by the Engineer.						

WE-1 Wind Erosion Control

Wind erosion control consists of applying water and/or other dust palliatives as necessary to prevent or alleviate erosion by the forces of wind. Dust control must be applied in accordance with Caltrans standard practices. All disturbed soil or grinding must be kept moist by watering in accordance with local dust control ordinances to prevent airborne dust emissions.

3.3 Non-Stormwater and Materials Management

Construction site management must consist of controlling potential sources of water pollution before they come in contact with storm water systems or watercourses. The Contractor must control material pollution, and manage waste and non-storm water existing at the construction site by implementing effective handling, storage, use, and disposal practices.

Non-Stormwater Management Pollution Control

An inventory of potential non-stormwater discharges is provided in this section. The following BMP consideration checklist indicates the BMPs that have been selected to control non-stormwater pollution on the construction site. The steps outlined in the instructions for this section for identifying non-stormwater pollution control BMPs to be included in the SWPPP have been followed. Locations and details of applicable non-stormwater control BMPs are shown on the WPCDs in Appendix B.

CONSTRUCTION SITE MANAGEMENT NON-STORMWATER MANAGEMENT POLLUTION CONTROL BMPs						
CONSTRUCTION BMP ID NO (1)	BMP NAME	MINIMUM REQUIRE-MENT (2)	CONTRACT BID ITEM	BMP USED		IF NOT USED, STATE REASON
				YES	NO	
NS-1	Water Control and Conservation	✓	☐	☒	☐	
NS-2	Dewatering (3)	✓	☐	☒	☐	
NS-3	Paving, Sealing, Sawcutting, and Grinding Operations	✓	☐	☒	☐	
NS-4	Temporary Stream Crossing (3)		☐	☐	☒	Not required for this project

NS-5	Clear Water Diversion [3]		☐	☐	☒	Not required for this project
NS-6	Illegal Connection and Illegal Discharge Detection Reporting	✓	☐	☒	☐	
NS-7	Potable Water / Irrigation	✓	☐	☒	☐	
NS-8	Vehicle and Equipment Cleaning	✓	☐	☒	☐	
NS-9	Vehicle and Equipment Fueling	✓	☐	☒	☐	
NS-10	Vehicle and Equipment Maintenance	✓	☐	☒	☐	
NS-11	Pile Driving Operations		☐	☐	☒	Not required for this project
NS-12	Concrete Curing	✓	☐	☒	☐	
NS-13	Concrete Finishing	✓	☐	☒	☐	
NS-14	Material and Equipment Used Over Water		☐	☐	☒	Not required for this project
NS-15	Structure Demolition / Removal Over or Adjacent to Water		☐	☐	☒	Not required for this project
NS-16	Temporary Batch Plants		☐	☐	☒	Not required for this project
ALTERNATIVE NON-STORMWATER CONTROL BMPs USED[4]						**IF USED, STATE REASON**
CONSTRUCTION BMP ID NO [1]	**BMP NAME**					

Notes:
[1] The BMP designations (SS-1, SC-3, etc.) are solely for maintaining continuity with existing Caltrans documents and are not provided to imply that the Construction Site BMP Reference Manual is a required contract document.
[2] Not all minimum requirements may be applicable to every project. Applicability to a specific project must be determined by the Contractor and approved by the Engineer.
[3] The BMPs listed above are incidental and do not include operations included as separate line items in the contract.
[4] Use of alternative BMPs will require writtern approval by the Engineer.

BMPs will be mobilized as follows:

NS-1 Water Control and Conservation

Water application rates will be minimized as necessary to prevent runoff and pending, and water equipment leaks will be repaired immediately. The water truck filling area will be stabilized. Irrigated areas within the construction limits will be inspected for excess watering. Watering times and schedules will be adjusted to ensure that the appropriate amount of water is being used and to minimize runoff.

NS-2 Dewatering

Dewatering will be utilized when any non-storm water must be removed from the jobsite and will comply with applicable local permits, project-specific permits, and regulations.

All excavations must be kept free from water and all construction must be performed in the dry. Contractor must provide, maintain, and operate all necessary pumping equipment for dewatering excavations as follows:

1. Contractor must provide a sufficient number of pumps so as to hold the water level at an elevation of not less than one foot below the lowest elevation of the structure being installed. Standby pumps must be available at the work site for immediate use in case other pumps become inoperable.
2. Water from dewatering operation must be disposed of in a manner that must not cause injury or nuisance to public or private property. Contractor must obtain all necessary discharge permits.
3. Provide erosion controls to prevent the disposal of sediments to adjacent lands, gutters, storm drains, or waterways as necessary.
4. The dewatering operation must be continuous so that the excavated areas must be kept free from water during construction, while concrete is curing and until backfill has been placed and compacted to sufficient elevation to resist possible flotation of the structure and above highest water level.
5. Dewatering devices must be adequately installed and filtered to prevent the removal of fines from the soil.
6. The Contractor must be responsible for any damage to the new work or existing structures or property cause by the dewatering operation or failure thereof.

NS-3 Paving, Sealing, Saw Cutting, and Grinding Operations

Procedures and practices for conducting paving, saw cutting, and grinding operations to minimize the transport of pollutants to the storm drain system or receiving water body.

- Substances used to coat asphalt transport trucks, asphalt trucks, and asphalt spreading equipment must not contain soap and must be non-foaming and non-toxic.
- Place plastic materials under asphaltic concrete (AC) paving equipment while not in use to catch and/or contain drips and leaks. See also BMP WM-4, “Spill Prevention and Control.”
- When paving involves AC, the following steps must be implemented to prevent the discharge of uncompacted or loose AC, tack coats, equipment cleaners, or other paving materials:
    - Minimize sand and gravel from new asphalt from getting into storm drains, streets, and creeks by sweeping.
    - Old or spilled asphalt must be recycled or disposed as approved by the Resident Engineer (RE).
    - AC grindings, pieces, or chunks used in embankments or shoulder backing must not be allowed to enter any storm drain or watercourses. Install silt fence until structure is stabilized or permanent controls are in place.

  - Collect and remove all broken asphalt and recycle when practical. Old or spilled asphalt should be recycled or disposed of properly.
  - Any AC chunks and pieces used in embankments must be placed above the water table and covered by at least 0.3 m (1 ft) of material.
  - During chip seal application and sweeping operations, petroleum or petroleum covered aggregate must not be allowed to enter any storm drain or water courses. Use silt fence until installation is complete.
  - Use only non-toxic substances to coat asphalt transport trucks and asphalt spreading equipment.
- Drainage inlet structures and manholes must be covered with filter fabric during application of seal coat, tack coat, slurry seal, and/or fog seal.
- Seal coat, tack coat, slurry seal, or fog seal must not be applied if rainfall is predicted to occur during the application or curing period.
- Paving equipment parked onsite must be parked over plastic to prevent soil contamination.
- Clean asphalt-coated equipment off-site whenever possible. When cleaning dry, hardened asphalt from equipment, manage hardened asphalt debris as described in BMP WM-5, "Solid Waste Management." Any cleaning onsite must follow BMP NS-8, "Vehicle and Equipment Cleaning."
- Do not wash sweepings from exposed aggregate concrete into a storm drain system. Collect and return to aggregate base stockpile or dispose of properly.
- Allow aggregate rinse to settle. Then, either allow rinse water to dry in a temporary pit as described in BMP WM-8, "Concrete Waste Management," or dispose of properly.
- Do not allow saw-cut Portland Concrete Cement (PCC) slurry to enter storm drains or watercourses.

Pavement Grinding or Removal

- Residue from PCC grinding operations must be picked up by means of a vacuum attachment to the grinding machine, must not be allowed to flow across the pavement, and must not be left on the surface of the pavement. See also BMP WM-8, "Concrete Waste Management;" and BMP WM-10, "Liquid Waste Management".
- Collect pavement digout material by mechanical or manual methods. This material may be recycled if approved by the Project Engineer for use as shoulder backing or base material at locations approved by the Project Engineer.
- If digout material cannot be recycled, transport the material back to a maintenance facility or approved storage site.
- Digout activities must not be conducted in the rain.
- When approved by the Project Engineer, stockpile material removed from roadways away from drain inlets, drainage ditches, and watercourses and stored consistent with BMP WM-3, "Stockpile Management."
- Disposal or use of AC grindings must be approved by the Project Engineer. See also BMP WM-8, "Concrete Waste Management."

Thermoplastic Striping

- All thermoplastic striper and pre-heater equipment shutoff valves must be inspected to ensure that they are working properly to prevent leaking thermoplastic from entering drain inlets, the storm water drainage system, or watercourses.
- The pre-heater must be filled carefully to prevent splashing or spilling of hot thermoplastic. Leave six inches of space at the top of the pre-heater container when filling thermoplastic to allow room for material to move when the vehicle is deadheaded.

- Contractor must not pre-heat, transfer, or load thermoplastic near drain inlets or watercourses.
- Clean truck beds daily of loose debris and melted thermoplastic. When possible recycle thermoplastic material. Thermoplastic waste must be disposed of properly.

Raised/Recessed Pavement Marker Application and Removal

- Do not transfer or load bituminous material near drain inlets, the storm water drainage system or watercourses.
- Melting tanks must be loaded with care and not filled to beyond six inches from the top to leave room for splashing when vehicle is deadheaded.
- When servicing or filling melting tanks, ensure all pressure is released before removing lids to avoid spills.
- On large scale projects, use mechanical or manual methods to collect excess bituminous material from the roadway after removal of markers.

NS-6 Illegal Connection and Illegal Discharge Detection Reporting

Procedures and practices designed for construction Contractors to recognize illicit connections or illegally dumped or discharged materials on a construction site and report incidents to the QSD. Illicit connection/illegal discharge detection and reporting is applicable any time an illicit connection or discharge is discovered or illegally dumped material is found on the construction site.

NS-7 Potable Water/Irrigation

Procedures and practices designed for construction Contractors to manage the discharge of potential pollutants generated during discharges from irrigation water lines, landscape irrigation, lawn or garden watering, planned and unplanned discharges from potable water sources, water line flushing, and hydrant flushing. Implement this BMP whenever potable water or irrigation water discharges occur at or enter a construction site.

NS-8, NS-9, NS-10 Vehicle and Equipment Operations

- Several types of vehicles and equipment will be used onsite throughout the project. BMPs NS-9, Vehicle and Equipment Fueling, and NS-10, Vehicle and Equipment Maintenance will be utilized to prevent discharges of fuel and other vehicle fluids. It is anticipated that only minor vehicle cleaning will be necessary, and will not be performed onsite.
- All self-propelled vehicles must be fueled offsite or at the temporary fueling area. Fuel trucks, each equipped with absorbent spill clean-up materials, must be used for all onsite fueling, whether at the temporary fueling area or for mobile fueling elsewhere on the site. Drip pans must be used for all mobile fueling. If applicable for this project, the fueling trucks must be parked on the paved fueling area for overnight storage.
- Drip pans or absorbent pads must be used for all vehicles and equipment maintenance activities that involve grease, oil, solvents, or other vehicle fluids.
- All vehicle maintenance and mobile fueling operations that are necessary to perform onsite must be conducted at least 50 feet away from operational inlets and drainage facilities and on a level graded area.

NS-12 Concrete Curing

If stormwater or non-stormwater flows come in contact with concrete and its associated curing materials, the pH of water can rise to levels outside of the permitted range. For this reason, it is necessary to exercise proper care when managing concrete curing. If using a chemical concrete

cure, avoid over-spray of curing compounds and utilize proper storage and handling techniques. If using water to cure the concrete, direct flows away from inlets. Collect cure water, and transport to a concrete waste management area in a non-erosive manner. Also, refer to WM-8 Concrete Waste Management for further detail.

NS-13 Concrete Finishing

Excess cure water and water from high pressure blasting will be collected and disposed of, and will not be allowed to runoff to the storm drain. Wet blankets will be used wherever possible to eliminate excess cure water.

Waste Management Pollution Control

An inventory of construction activities, materials, and waste is provided in this SWPPP. The following BMP consideration checklist indicates the BMPs that have been selected to control construction site wastes and materials. The steps outlined in the instructions for this section for identifying waste management and materials pollution control BMPs to be included in the SWPPP have been followed. Locations and details of applicable materials handling and waste management BMPs are shown on the WPCDs in Appendix B. The following list of BMPs and narrative explain how the selected BMPs will be incorporated into the project.

CONSTRUCTION SITE MANAGEMENT						
WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL BMPs						
CONSTRUCTION BMP ID NO (1)	BMP NAME	MINIMUM REQUIREMENT (2)	CONTRACT BID ITEM	BMP USED		IF NOT USED, STATE REASON
				YES	NO	
WM-1	Material Delivery and Storage	✓	☐	☒	☐	
WM-2	Material Use	✓	☐	☒	☐	
WM-3	Stockpile Management	✓	☐	☒	☐	
WM-4	Spill Prevention and Control	✓	☐	☒	☐	
WM-5	Solid Waste Management	✓	☐	☒	☐	
WM-6	Hazardous Waste Management (3)	✓	☐	☒	☐	
WM-7	Contaminated Soil Management (3)		☐	☐	☒	Not required for this project
WM-8	Concrete Waste Management	✓	☐	☒	☐	
	Temporary Concrete Washout Facility	✓	☐	☒	☐	
	Temporary Concrete Washout (Portable)		☐	☐	☒	Not required for this project

CONSTRUCTION SITE MANAGEMENT						
WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL BMPs						
CONSTRUCTION BMP ID NO (1)	**BMP NAME**	**MINIMUM REQUIREMENT (2)**	**CONTRACT BID ITEM**	**BMP USED**		**IF NOT USED, STATE REASON**
				YES	**NO**	
WM-9	Sanitary/Septic Waste Management	✓	☐	☒	☐	
WM-10	Liquid Waste Management		☐	☐	☒	Not required for this project
ALTERNATIVE WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL BMPs USED(4) ☐ Yes ☐ No			**IF USED, STATE REASON**			

Notes:
(1) The BMP designations (SS-1, SC-3, etc.) are solely for maintaining continuity with existing Caltrans documents and are not provided to imply that the Construction Site BMP Reference Manual is a required contract document.
(2) Not all minimum requirements may be applicable to every project. Applicability to a specific project must be verified by the Contractor or determined by Caltrans.
(3) The BMPs listed above are incidental and do not include operations included as separate line items in the contract.
(4) Use of alternative BMPs will require written approval by the Engineer.

BMPs will be mobilized as follows:

WM-1 Material Delivery and Storage

Procedures and practices for the proper handling and storage of materials in a manner that minimizes or eliminates the discharge of these materials to the storm drain system or to watercourses.

Storage of Materials: Neatly place imported and excavated materials suitable for backfill far enough from the excavation to prevent stability problems. Keep the materials shaped to cause the least possible interference with Owner's operation and drainage. Storage of materials within public right-of-way or private property during non-working hours is prohibited, unless approved by the City, or property owner.

Deliver fertilizer in waterproof bags showing weight, chemical analysis, and name of manufacturer.

WM-2 Material Use

Material Use BMP applies when materials are used and can include; acid, paints, solvents, curing compounds, AC products, petroleum products, and other materials. Spill clean-up materials, material safety data sheets, a material inventory, and emergency contact numbers must be maintained and stored by the WPCM.

WM-3 Stockpile Management

Stockpile Management must be implemented to reduce or eliminate pollution of stormwater from stockpiles of soil and paving materials such as asphalt concrete (AC), asphalt concrete rubble, imported borrow, and asphalt binder (so called "cold mix" asphalt). Stockpiles must be surrounded with sediment controls (BMP SC-5, Fiber rolls).

WM-4 Spill Prevention and Control

Spill Prevention and Control must be implemented to contain and clean-up spills, and prevent material discharges to the storm drain system.

WM-5 Solid Waste Management

Solid Waste Management must be implemented to minimize storm water contact with waste materials and prevent water discharges. Solid wastes must be loaded directly into trucks for offsite disposal. When onsite storage is necessary solid wasters must be stored in watertight dumpsters in the general storage area of the contractor's yard. AC and PCC rubbles must be stockpiled in a general storage area, must be surrounded with sediment controls (SC-6, Gravel Bag Barrier), and covered when necessary. Solid waste, including rubble stockpiles, must be removed and deposed offsite at least weekly.

WM-6 Hazardous Waste Management

Hazardous wastes must be stored in shipping containers or covered containment area discussed above for material storage. Hazardous wastes must be in appropriate and clearly marked containers and segregated from other non-waste materials. Wastes must be stored in sealed containers constructed of a suitable material and must be labeled as required by Title 22 CCR, Division 4.5 and 49 CFR Parts 172, 173, 178, and 179. All hazardous waste must be stored, transported, and disposed as required in Title 22 CCR, Division 4.5 and 49 CFR 261-263.

WM-8 Concrete Waste Management, Temporary Concrete Washout Facility

These procedures and practices are designed to minimize or eliminate the discharge of concrete waste materials to the storm drain systems or watercourses.

Installation

Temporary concrete washout facilities must be as follows:

A. Temporary concrete washout facilities must be installed prior to beginning placement of concrete and located a minimum of 15 meters (50 feet) from storm drain inlets, open drainage facilities, and water courses unless determined infeasible by the QSD. Temporary concrete washout facilities must be located away from construction traffic or access areas.
B. A sign must be installed adjacent to each washout facility.
C. Temporary concrete washout facilities must be constructed in sufficient quantity and size to contain liquid and concrete waste generated by washout operations for concrete wastes. These facilities must be constructed to contain liquid and concrete waste without seepage, spills, or overflow.
D. A plastic liner must be installed in below grade temporary concrete washout facilities.

Maintenance

Temporary concrete washout facilities must be maintained to provide adequate holding capacity with a minimum freeboard of 300 mm (12 inches). Maintaining temporary concrete washout facilities must include removing and disposing of hardened concrete and returning the facilities to a functional condition. Holes, rips, and voids in the plastic liner must be patched and repaired by taping or the plastic liner must be replaced. The plastic liner must be replaced when patches or repairs compromise the impermeability of the material. Gravel bags must be replaced when the bag material is ruptured or when the yarn has failed, allowing the bag contents to spill out.

WM-9 Sanitary / Septic Waste Management

The Contractor must implement Sanitary and Septic Waste Management. Portable toilets must be located and maintained on the jobsite for the duration of the project. The waste management

subcontractor (if applicable) must provide weekly maintenance and wastes must be disposed of offsite. The toilets must be located away from concentrated flow paths and traffic flow. Portable toilets need to be located at least 50 feet away from storm drains (if possible) and tied down during high winds.

3.4 Spill Prevention and Control

Prevent spills and leaks of chemicals and hazardous substances stored at the job site. The Contractor is responsible for all associated cleanup costs and related liability associated with any spills or leaks.

As soon as it is safe, contain and clean up spills of petroleum products, sanitary, and septic waste substances listed under CFR Title 40, Parts 110, 117 and 302.

Minor Spills

Clean up minor spills using the following procedures:

1. Contain the spread of the spill
2. Recover the spilled material by absorption
3. Clean the contaminated area
4. Dispose of the contaminated material promptly and properly

Semi-significant Spills

Clean up semi-significant spills using the following procedures:

1. Contain the spread of the spill
2. Recover the spilled material by absorption whenever a spill occurs on a paved surface or an impermeable surface
3. Contain the spill with an earthen dike and dig up the contaminated soil for disposal whenever a spill occurs on soil
4. If the spill occurs during precipitation, cover the spill with plastic or other material to prevent contaminated runoff
5. Dispose of the contaminated material promptly and properly

Significant or Hazardous Spills

Immediately notify qualified personnel of significant or hazardous spills. Do not let construction personnel attempt to clean up the spill until qualified staff arrived. Do the following:

1. Notify the QSD/Engineer and follow up with a written report
2. Obtain the services of a spills contractor or hazardous material team immediately
3. Notify the local emergency reponse team by dialing 911 and county officials at the emergency phone numbers kept at the job site
4. Notify the Governor's Office of Emergency Services warning Center (805) 852-7550
5. Notify the National Response Center at (800) 424-8802 regarding spills of Federal reportable quantities under CFR Title 40 Parts 110, 119 and 302
6. Notify other agencies as appropriate, including:
    a. Fire Department
    b. Public Works Department
    c. Coast Guard
    d. Highway Patrol
    e. City Police or County Sheriff Department
    f. Department of Toxic Substances
    g. California Divison of Oil and Gas
    h. Cal OSHA

i. Regional Water Resources Control Board

Report minor, semi-significant, and significant spills to the QSP. The QSP must notify the QSD/Engineer immediately. The QSP must oversee and enforce proper spill prevention and control measures.

Prevent spills from entering storm runoff before and during cleanup. Do not bury spills or wash spills with water.

Keep material or waste storage areas clean, well organized, and equipped with enough cleanup supplies for the material being stored.

3.5 Post-Construction Stormwater Management Measures

The project area will be returned to pre-project conditions prior to termination of CGP coverage. No post construction BMPs are anticipated for this project.

Section 4 – BMP Inspection, Maintenance, and Rain Event Action Plans

4.1 BMP Inspection and Maintenance

BMPs must be inspected and maintained per the schedule provided below. LUP Type 1 dischargers must ensure that photographs of the site are taken before, during, and after storm events, and are submitted through the State Water Board's SMARTS website once every three rain events.

The General Permit requires (Attachments C, D, E; Section G.5) that completed inspection checklists be maintained with the on-site SWPPP. In general the information required to be recorded for BMP/facility inspections includes: the date of the inspection, weather information, site information, observations, descriptions of the inspected BMPs and any deficiencies, and the corrective actions that were taken such as BMPs that were fixed or additional BMPs that were implemented, and the inspectors name, title, and signature.

SWPPP Inspection, Maintenance and Repair Program				
BEST MANAGEMENT PRACTICES (BMPs)		**INSPECTION FREQUENCY**		**MAINTENANCE/REPAIR PROGRAM**
		Rainy	**Non-Rainy**	
TEMPORARY SOIL STABILIZATION BMPs				
EC-1	Scheduling		As Necessary	Amend schedule as needed and/or prior to the rainy season
EC-2	Preservation of Property/ Preservation of Existing Vegetation		As Necessary	During construction, the limits of disturbance must remain clearly marked at all times. Serious tree injuries must be attended to by an arborist
EC-7	Temporary Cover	Before & After Each Rainfall event, weekly throughout season, during extended rainfall- every 24 hours	Before & After Each Rainfall event, weekly throughout season, during extended rainfall- every 24 hours	Maintain/Replace/Repair as needed
TEMPORARY SEDIMENT CONTROL BMPs				
SE-1	Temporary Silt Fence	Before & After Each Rainfall event, weekly throughout season, during extended rainfall- every 24 hours	Before & After Each Rainfall event, weekly throughout season, during extended rainfall- every 24 hours	Maintain/Replace/Repair as needed
SE-5	Temporary Fiber Rolls	Before & After Each Rainfall event, weekly throughout season, during extended rainfall- every 24 hours	Before & After Each Rainfall event, weekly throughout season, during extended rainfall- every 24 hours	Inspect, Repair/Replace split, torn, unraveling, or slumping fiber rolls.

SWPPP Inspection, Maintenance and Repair Program				
BEST MANAGEMENT PRACTICES (BMPs)		**INSPECTION FREQUENCY**		**MAINTENANCE/REPAIR PROGRAM**
		Rainy	**Non-Rainy**	
SE-6	Temporary Gravel Bag Berm	Before & After Each Rainfall event, weekly throughout season, during extended rainfall- every 24 hours	Before & After Each Rainfall event, weekly throughout season, during extended rainfall- every 24 hours	Inspect, Reshape/Replace materials as needed
SE-7	Street Sweeping	As Needed	As Needed	Sweep up tracked sediments as needed or as directed by the Engineer
SE-8	Sandbag Barrier	Weekly, prior to forecasted rain events, daily during extended rain events, and after the conclusion of rain events	Weekly, prior to forecasted rain events, daily during extended rain events, and after the conclusion of rain events	Maintain/Replace/Repair as needed. Sandbags exposed to sunlight will need to be replaced every two to three months due to degradation of the bags
SE-9	Temporary Straw Bale Barrier	Weekly, prior to forecasted rain events, daily during extended rain events, and after the conclusion of rain events	Two Week Intervals	Maintain/Replace/Repair as needed. Straw bales degrade, especially when exposed to moisture. Rotting bales will need to be replaced on a regular basis.
SE-10	Temporary Drain Inlet Protection	Before & After Each Rainfall event, weekly throughout season, during extended rainfall- every 24 hours	Before & After Each Rainfall event, weekly throughout season, during extended rainfall- every 24 hours	Inspect for bypassed materials, remove within 30 days after site is stabilized or when no longer needed
SE-14	Biofilter Bags	Before & After Each Rainfall event, weekly throughout season, during extended rainfall- every 24 hours	Before & After Each Rainfall event, weekly throughout season, during extended rainfall- every 24 hours	Inspect for bypassed materials, remove within 30 days after site is stabilized or when no longer needed
WIND EROSION CONTROL BMPs				
WE-1	Wind Erosion Control	As Needed	As Needed	Check areas that have been protected to ensure coverage.
TRACKING CONTROL BMPs				
SE-7	Street Sweeping	As Needed	As Needed	Sweep up tracked sediment as needed or as directed by the Engineer
TC-1	Temporary Construction Entrance	Frequently	Frequently	Inspect, Maintain, and Repair as needed
TC-2	Stabilized Construction Roadway	Frequently	Frequently	Inspect, Maintain, and Repair as needed

SWPPP Inspection, Maintenance and Repair Program				
BEST MANAGEMENT PRACTICES (BMPs)		**INSPECTION FREQUENCY**		**MAINTENANCE/REPAIR PROGRAM**
		Rainy	**Non-Rainy**	
NON-STORM WATER MANAGEMENT BMPs				
NS-1	Water Conservation Practices	Weekly	Weekly	Remove vehicles and/or equipment that leaks
NS-2	Dewatering	Frequently	Frequently	Inspect, Comply with permit requirements, Repair and replace as needed
NS-3	Paving, Sealing, Saw Cutting and Grinding Operations	Regularly	Regularly	Inspect and maintain equipment
NS-6	Illegal Connection and Illegal Discharge Detection Reporting	Regularly	Regularly	Report immediately to Engineer
NS-7	Potable Water/Irrigation	Weekly	Two Week Intervals	Maintain/Replace/Repair as needed. Repair broken water lines as soon as possible and inspect irrigated areas regularly for signs of erosion and/or discharge.
NS-8	Vehicle and Equipment Cleaning	Regularly	Regularly	Inspect sump and remove liquids and sediment as needed or as directed by the Engineer
NS-9	Vehicle and Equipment Fueling	Regularly	Regularly	Keep ample supply of spill cleanup material on site. Immediately cleanup spills, properly dispose of contaminated soil, cleanup materials.
NS-10	Vehicle and Equipment Maintenance	Maintenance areas inspected Regularly, Equipment inspected on each day of use	Maintenance areas inspected Regularly, Equipment inspected on each day of use	Repair leaks immediately, repair/replace parts as needed
NS-12	Concrete Curing	Daily	Weekly	Inspect and maintain equipment. Sample non-stormwater discharges and stormwater runoff as required by the General Permit
NS-13	Concrete Finishing	Daily	Weekly	Inspect and maintain equipment. Sample non-stormwater discharges and stormwater runoff as required by the General Permit
WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL BMPs				
WM-1	Material Delivery and Storage	Before and After Rain		Inspect, clean, maintain, replace/repair when necessary
WM-2	Material Use	Weekly	Weekly	Spot check employees and subcontractors monthly throughout the job to ensure appropriate practices are being employed
WM-3	Stockpile Management	After Rain	After Rain	Keep storage areas clean, organized with ample clean-up supplies
WM-4	Spill Prevention and Control	Weekly	Weekly	Update spill prevention & control plans & stock appropriate clean-up materials whenever changes occur in the types of chemicals used or stored onsite
WM-5	Solid Waste Management	Weekly	Weekly	Inspect for litter and debris

SWPPP Inspection, Maintenance and Repair Program				
BEST MANAGEMENT PRACTICES (BMPs)		**INSPECTION FREQUENCY**		**MAINTENANCE/REPAIR PROGRAM**
		Rainy	**Non-Rainy**	
WM-6	Hazardous Waste Management	Weekly	Weekly	Inspect, repair, and replace as needed
WM-8	Concrete Waste Management, Temporary Concrete Washout Facility	Weekly	Weekly	Inspect, maintain, and repair as needed
WM-9	Sanitary/Septic Waste Management	Weekly	Weekly	The contractor's WPCM must monitor onsite sanitary/septic waste storage & disposal procedures at least weekly

The General Permit requires dischargers to begin implementing corrective actions within 72 hours for deficiencies identified during inspections (Attachments C, D, E; Section G.3). SWPPP amendments should be prepared by the QSD if warranted by the problem encountered and corrective action required.

4.2 Rain Event Action Plans

This project is a LUP Type 1 and therefore Rain Event Action Plans are not required.

Section 5 – Training

The General Permit requires (Section VII) that all elements of the SWPPP be developed by a QSD and implemented by a QSP. The QSP may delegate tasks to trained employees provided adequate supervision and oversight is provided.

Personnel at the site must receive training appropriate for individual roles and responsibilities on the project. Appropriate personnel must receive training on SWPPP implementation, BMP inspection and maintenance, and record keeping. Document all training activities (formal and informal) and retained a record of training activities in SWPPP Appendix K. Training documentation must also be submitted in the Annual Report.

Section 6 – Responsible Parties and Operators

6.1 Responsible Parties

The Legally Responsible Person and Approved Signatory for the project are:

Legally Responsible Person: Dominick Casey
Telephone Number: (916) 774-5249

Approved Signatory: Janice Gainey
Telephone Number: (916) 774-5536

Address Line 1: 311 Vernon Street
Address Line 2: Roseville, CA 95678

The Qualified SWPPP Developer (QSD) for the project is:

QSD Name: Sara Rogers, P.E.
Telephone Number: 916-803-0012
QSD/P Certificate No.: 00418

As required by the General Permit the QSD is a regisitered Professional Engineer (Sara Rogers, P.E. License #64226). Mrs. Rogers has received 20 hours of General Construction Permit Training by a Trainer of Record for QSD. She also has taken the QSD exam offered by the State Water Resources Control Board on September 22, 2010. A copy of Mrs. Rogers's certifications are provided in Appendix K.

The Qualified SWPPP Practitioner (QSP) for **CONTRACTOR** is:

QSP Name:
Telephone Number:
QSP Certificate No.:

The QSP must have primary responsibility and significant authority for the implementation, maintenance, inspection and amendments to the approved SWPPP. The QSP will be available at all times throughout duration of the project. Duties of the Contractor's QSP include but are not limited to:

Ensuring full compliance with the SWPPP and the Permit;

Implementing all elements of the SWPPP, including but not limited to:

- Implementing prompt and effective erosion and sediment control measures; and
- Implementing all non-stormwater management, and materials and waste management activities such as: monitoring discharges (dewatering, diversion devices); general site clean-up; vehicle and equipment cleaning, fueling and maintenance; spill control; ensuring that no materials other than stormwater are discharged in quantities, which will have an adverse effect on receiving waters or storm drain systems, etc.
- Conducting pre-storm inspections;
- Conducting post-storm inspections;
- Conducting storm event inspections;
- Conducting routine inspections as specified in the Special Provisions or described in the SWPPP;
- Preparing annual compliance certification;
- Ensuring elimination of all unauthorized discharges;

- Mobilizing crews in order to make immediate repairs to the control measures (the Contractor's QSP must be assigned authority by the Contractor to mobilize crews);
- Coordinating with the QSD and the Engineer to assure all of the necessary corrections/repairs are made immediately, and that the project complies with the SWPPP, the Permit and approved plans at all times; and
- Submitting Notices of Discharge and reports of Illicit Connections or Illegal Discharges.

6.2 Contractor List

The General Permit requires (Section VII.B.5) that the SWPPP include a list of names of all contractors, subcontractors, and individuals who will be directed by the QSP. This list will be included in Appendix M once the contractors are determined. The list will include telephone numbers and work addresses and the specific areas of responsibility of each subcontractor and emergency contact numbers.

Section 7 – Construction Site Monitoring Program

7.1 Purpose

The General Permit (Attachments C, D, E; Section I.1.a) requires that a written site specific Construction Site Monitoring Program (CSMP) be developed by each discharger prior to the commencement of construction activities, and be revised as necessary to reflect project revisions and that the CSMP be included with the SWPPP. A copy of the CSMP is included as SWPPP Appendix N.

Section 8 References

Project Plans and Specifications dated October 9th, 2020 prepared by Domenichelli and Associates, Inc.

State Water Resources Control Board (2009). Order 2009-0009-DWQ, NPDES General Permit No. CAS000002: National Pollutant Discharges Elimination System (NPDES) California General Permit for Storm Water Discharge Associated with Construction and Land Disturbing Activities. Available on-line at: http://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.shtml.

State Water Resources Control Board (2010). Order 2010-0014-DWQ, NPDES General Permit No. CAS000002: National Pollutant Discharges Elimination System (NPDES) California General Permit for Storm Water Discharge Associated with Construction and Land Disturbing Activities. Available on-line at: http://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.shtml.

State Water Resources Control Board (2012). Order 2012-0006-DWQ, NPDES General Permit No. CAS000002: National Pollutant Discharges Elimination System (NPDES) California General Permit for Storm Water Discharge Associated with Construction and Land Disturbing Activities. Available on-line at: http://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.shtml.

CASQA 2009, *Stormwater BMP Handbook Portal: Construction*, November 2009, www.casqa.org

Stormwater Quality BMP Guidance Manual for Construction. *www.roseville.ca.us/Gov*, www.roseville.ca.us/gov/developmentservices/engineeringlanddevelopment/designconstructionstandards.asp.

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Appendices

Appendix A – Construction General Permit

Appendix B – Submitted Permit Registration Documents (PRDs)

- Signed Certification Statement
- Notice of Intent (NOI)
- Annual Fee
- Site Map
- WPCD

SWPPP Certifications and Approval

Qualified SWPPP Developer Certification of the Stormwater Pollution Prevention Plan

Project Name:	*City of Roseville Downtown Water Mains Replacement Project Hillcrest Neighborhood*
Local Agency / Private Entity Name	City of Roseville (CoR)

"I certify under a penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

QSD Signature	10/01/2020 Date
Sara Rogers QSD's Name	916-803-0012 QSD's Telephone Number

Appendix C – SWPPP Amendment Log

SWPPP Ammendment Certification and Approval

This SWPPP must be ammended:

- Whenever there is a change in construction or operations which may affect the discharge of pollutants to surface water, groundwater(s), or a municipal separate storm sewer system (MS4); or
- If any condition of the Permits is violated or the general objective of reducing or eliminating pollutants in storm water discharges has not been achieved. If RWQCB determines that a Permit violation has occurred, the SWPPP must be amended and implemented within 14-calendar days after notification by the RWQCB;
- Annually, prior to the defined rainy season; and
- When deemed necessary by the Owner/Contractor.

The following items will be included in each amendment:

- Who requested the amendment.
- The location or proposed change.
- The reason for change.
- The original BMP proposed, if any.
- The new BMP proposed.

The amendments for this SWPPP, along with the Contractor's Certification and the Owner approval, will be added once determined. Amendments will be listed in the Amendment Log.

SWPPP Amendment No. _____

Project Name: *City of Roseville Downtown Water Mains Replacement Project Hillcrest Neighborhood*

WDID Number: TBD

Contractor QSD Certification of the Storm Water Pollution Prevention Plan Amendment

"I certify under a penalty of law that this document and all attachments were prepared under my direction or supervision in accordfance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

QSD Signature	Date
Sara Rogers	916-803-0012
QSD's Name and Title	QSD's Telephone Number

Owner Approval of the Storm Water Pollution Prevention Plan Amendment

"I certify under a penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Owner Signature	Date
Owner Name and Title	Telephone Number

Amendment Log

Project Name: *City of Roseville Downtown Water Mains Replacement Project Hillcrest Neighborhood*

WDID: TBD

Amendment No.	Date	Brief Description of Amendment	Prepared By

Appendix D – NAL/NEL exceedance Site Evaluations

(N/A for LUP Type 1)

Appendix E – Submitted changes to PRDs

(Due to change in ownership or acreage)

Appendix F – Construction Schedule

Appendix G – Construction Activities, Materials used and Associated Pollutants

(Included in SWPPP Body)

Appendix H – CASQA BMP Handbook Fact Sheets

APPENDIX I – Construction Site Inspection Report Form

(N/A for LUP Type 1 projects)

APPENDIX J – Site Specific Rain Event Action Plan Form

(N/A for LUP Type 1 Project)

Appendix K – Training Reporting Form

Appendix L – Responsible Parties

Responsible Parties

The Legally Responsible Person (LRP) and Approved Signatory (AS) for the project are:

Legally Responsible Person: Dominick Casey
Telephone Number: (916) 774-5249

Approved Signatory: Janice Gainey
Telephone Number: (916) 774-5536

Address Line 1: 311 Vernon Street

Address Line 2: Roseville, CA 95678

The Qualified SWPPP Developer (QSD) for the project is:

QSD Name: Sara Rogers, P.E.
Telephone Number: 916-803-0012
QSD/P Certificate No.: 00418

As required by the General Permit the QSD is a regisitered Professional Engineer (Sara Rogers, P.E. License #64226). Mrs. Rogers has received 20 hours of General Construction Permit Training by a Trainer of Record for QSD. She also has taken the QSD exam offered by the State Water Resources Control Board on September 22, 2010. A copy of Mrs. Rogers's certifications are provided in Appendix K.

The Qualified SWPPP Practitioner (QSP) for the project is:

QSP Name:
Telephone Number:
QSP Certificate No.:

Appendix M – Contractors and Subcontractors

Appendix N – Construction Site Monitoring Program (CMSP)

Site Inspections

Table 1. Summary of Inspection Requirements for LUP Type 1

LUP Type	Visual Inspections				Sample Collection		
	Daily Site BMP	Pre-Storm Event / Baseline	Daily Storm BMP	Post Storm	Storm Water Discharge	Receiving Water	Non-Visible (when applicable)
1	X						X

Qualified SWPPP Practitioner and Inspectors

The name(s) and contact number(s) of the assigned inspection personnel are listed below and their training qualifications are provided in Attachment I of the original SWPPP:

Qualified SWPPP Practitioner: Contact phone:
Assigned Inspector: Contact phone:
Alternate Inspector: Contact phone:

Monitoring Locations

Visual observations must be made throughout the project site and in particular at the following locations:

1. At all roadside ditches
2. At each drainage inlet

If visual observations are made by anyone other than the QSP results of the observations must be conveyed to the QSP.

Safety

Safety issues on site that may be encountered during inspections include potential traffic hazards. The inspector should be sure to use caution when choosing a location to pull off the roadway to perform any monitoring activities.

Visual Monitoring (Inspections)

	Visual Inspection Type			
	Non-stormwater Inspection	**Qualifying Rain Event** **Pre-rain inspection**	**Qualifying Rain Event** **Post-rain inspection**	**BMP**
Frequency	Quarterly for each drainage area	All drainage areas, BMPs and stormwater containments within two business days of each qualifying storm event	All discharge locations within two business days after each qualifying rain event Visually observe discharge of contained stormwater when discharged	Daily where active construction is occurring

Site inspections must be conducted by the Contractor's QSP or other approved staff at the following minimum frequencies:

- Visual inspections daily (not recorded)
- 48-hours prior to a forecast storm (50% chance using the NOAA forecasting site);
- After a qualifying storm event (1/2-inch);
- At 24-hour intervals during extended rain events;
- Weekly during the non-rainy and rainy season;
- At any other time(s) or intervals of time specified in the Contract Special Provisions.

Upon identifying failures or other shortcomings, as directed by the QSP, dischargers must begin implementing repairs or design changes to BMPs within 72 hours of identification and complete the changes as soon as possible.

Monitoring Requirements:

The General Permit requires that dischargers only use weather forecasts from the National Oceanographic and Atmospheric Administration (NOAA). Pre-project inspections should be initiated after consulting NOAA for a qualifying rain event with 50% or greater probability of precipitation (PoP). These forecasts can be obtained at http://www.srh.noaa.gov/.

LUP Type 1 - Visual Monitoring (Inspection) Requirements for Qualifying Rain Events

1. LUP Type 1 dischargers must ensure that all visual inspections are conducted daily during working hours and in conjunction with other daily activities in areas where active construction is occurring.
2. LUP Type 1 dischargers must ensure that photographs of the site taken before, during, and after storm events are taken during inspections, and submitted through the State Water Board's SMARTS website once every three rain events.

3. LUP Type 1 dischargers must conduct daily visual inspections to verify that:
    a. Appropriate BMPs for storm water and non-storm water are being implemented in areas where active construction is occurring (including staging areas);
    b. Project excavations are closed, with properly protected spoils, and that road surfaces are cleaned of excavated material and construction materials such as chemicals by either removing or storing the material in protective storage containers at the end of every construction day;
    c. Land areas disturbed during construction are returned to preconstruction conditions or an equivalent protection is used at the end of each workday to eliminate or minimize erosion and the possible discharge of sediment or other pollutants during a rain event.
4. Inspections may be discontinued in non-active construction areas where soil-disturbing activities are completed and final soil stabilization is achieved (e.g., paving is completed, substructures are installed, vegetation meets minimum cover requirements for final stabilization, or other stabilization requirements are met).
5. Inspection programs are required for LUP Type 1 projects where temporary and permanent stabilization BMPs are installed and are to be monitored after active construction is completed. Inspection activities must continue until adequate permanent stabilization is established and, in areas where re-vegetation is chosen, until minimum vegetative coverage is established.

LUP Type 1 – Visual Observation Exemptions

1. LUP Type 1 dischargers must be prepared to collect samples and conduct visual observation (inspections) to meet the minimum visual observation requirements of this Attachment. The Type 1 LUP discharger is not required to physically collect samples or conduct visual observation (inspections) under the following conditions:
    a. During dangerous weather conditions such as flooding and electrical storms;
    b. Outside of scheduled site business hours.
    c. When access to the site is unsafe due to storm events.
2. If the LUP Type 1 discharger does not collect the required samples or visual observation (inspections) due to these exceptions, an explanation why the sampling or visual observations (inspections) were not conducted must be included in both the SWPPP and the Annual Report.

LUP Type 1 – Non-Visible Pollutant Monitoring Requirements

LUP Type 1 dischargers must implement sampling and analysis requirements to monitor non-visible pollutants associated with (1) construction sites; (2) activities producing pollutants that are not visually detectable in storm water discharges; and (3) activities which could cause or contribute to an exceedance of water quality objectives in the receiving waters.

1. Sampling and analysis for non-visible pollutants is only required where the LUP Type 1 discharger believes pollutants associated with construction activities have the potential to be discharged with storm water runoff due to a spill or in the event there was a breach, malfunction, failure and/or leak of any BMP. Also, failure to implement BMPs may require sample collection.

a. Visual observations made during the monitoring program described above will help the LUP Type 1 discharger determine when to collect samples.

b. The LUP Type 1 discharger is not required to sample if one of the conditions described above (e.g., breach or spill) occurs and the site is cleaned of material and pollutants and/or BMPs are implemented prior to the next storm event.

2. LUP Type 1 dischargers must collect samples down-gradient from all discharge locations where the visual observations were made triggering the monitoring, and which can be safely accessed. For sites where sampling and analysis is required, personnel trained in water quality sampling procedures must collect storm water samples.
3. If sampling for non-visible pollutant parameters is required, LUP Type 1 dischargers must ensure that samples be analyzed for parameters indicating the presence of pollutants identified in the pollutant source assessment required in Section J.2.a.i.
4. LUP Type 1 dischargers must collect samples during the first two hours of discharge from rain events that occur during business hours and which generate runoff.
5. LUP Type 1 dischargers must ensure that a sufficiently large sample of storm water that has not come into contact with the disturbed soil or the materials stored or used on-site (uncontaminated sample[12]) will be collected for comparison with the discharge sample. Samples must be collected during the first two hours of discharge from rain events that occur during daylight hours and which generate runoff.
6. LUP Type 1 dischargers must compare the uncontaminated sample to the samples of discharge using field analysis or through laboratory analysis. Analyses may include, but are not limited to, indicator parameters such as: pH, specific conductance, dissolved oxygen, conductivity, salinity, and Total Dissolved Solids (TDS).
7. For laboratory analyses, all sampling, sample preservation, and other analyses must be conducted according to test procedures pursuant to 40 C.F.R. Part 136. LUP Type 1 dischargers must ensure that field samples are collected and analyzed according to manufacturer specifications of the sampling devices employed. Portable meters must be calibrated according to manufacturer's specification.
8. LUP Type 1 dischargers must ensure that all field and/or analytical data are kept in the SWPPP document.

LUP Type 1 – Records

All records must be provided to the Engineer and Owner at the conclusion of the project. Records must be retained for a minimum of three years for the following items:

- Site inspection photographs;
- Compliance certifications;
- Discharge reports;
- Approved SWPPP document and amendments;
- Sampling and analysis results; and
- Copies of all applicable permits.

Sample Collection and Handling

It is important to use the correct methods to collect and handle samples to ensure the samples are valid. While the handling requirements apply primarily to grab samples collected for laboratory analysis, field measurements can be affected by sample collection procedures.

The General Permit requires dischargers to designate and train personnel to collect, maintain, and ship water quality samples in accordance with the *Surface Water Ambient Monitoring Program (SWAMP) 2008 Quality Assurance Program Plan (QAPrP)*, which is available at http://www.swrcb.ca.gov/water_issues/programs/swamp/tools.shtml#qa.
Sampling methods, handling procedures, and locations should be identified in advance of the sampling event in order to provide sufficient time to gather the supplies and equipment necessary to sample and plan for safe access by the sampling crew(s).

Adherence to SWAMP sampling guidance and proper development of a sampling plan provides for consistent, reproducible, and accurate results. For some constituents, especially trace metals, trace organics, and organic carbon, sampling protocols are very important as contamination of samples due to incorrect sampling protocols is possible. Design of the field sampling procedures should carefully consider contamination potential from sample location (e.g., sediment disturbances, equipment exhaust), sampling techniques, and sample handling.

Field crews should be trained in the appropriate site specific methods specified in the sampling plan. "Clean sampling" based on the US Environmental Protection Agency (EPA) Method 1669 should be used when sufficiently low detection concentrations are expected for at least trace metals and mercury. However, it is recommended that all sampling plans incorporate a "clean technique" approach including the following protocols:

1. Samples (for laboratory analysis) are collected only in analytical laboratory-provided sample containers;
2. Clean, powder-free nitrile gloves should be worn for collection of samples;
3. Gloves are changed whenever something not known to be clean has been touched;
4. Decontaminate all equipment (e.g. bucket, tubing) except laboratory provided sample containers, prior to sample collection using a trisodium phosphate (TSP)-soapy water wash, distilled water rinse, and final rinse with distilled water. (Dispose of wash and rinse water appropriately, i.e., do not discharge to storm drain or receiving water); and
5. To reduce potential contamination, sample collection personnel must adhere to the following rules while collecting samples:
    - No smoking;
    - Never sample near a running vehicle;
    - Do not park vehicles in the immediate sample collection area (even non-running vehicles);
    - Do not eat or drink during sample collection; and
    - Do not breathe, sneeze, or cough in the direction of an open sample container.

Water quality samples should be collected in appropriate sample containers and be of adequate volume to conduct the required measurements or laboratory analyses.
The most important aspect of grab sampling is to make sure that the sample best represents the entire runoff stream. Typically, samples are collected by dipping the collection container in the runoff flow paths and streams as noted below. Note, however that depending upon the specific test that is required, some bottles may contain preservatives. These bottles should never be dipped into the stream, but filled indirectly from the collection container.

1. For small streams and flow paths, simply dip the bottle facing upstream until full.
2. For larger stream that can be safely accessed, collect a sample in the middle of the flow stream by directly dipping the mouth of the bottle. Once again making sure that the opening of the bottle is facing upstream as to avoid any contamination by the sampler. iii. For larger

streams that cannot be safely waded, pole-samplers may be needed to safely access the representative flow.
3. Avoid collecting samples from ponded, sluggish or stagnant water.
4. Avoid collecting samples directly downstream from a bridge as the samples can be affected by the bridge structure or runoff from the road surface.

All sampling and sample preservation must be in accordance with the current edition of Standard Methods for the Examination of Water and Wastewater (American Public Health Association).

SSC samples should be taken as a normal grab sample, where the bottle is submerged facing upstream and filled. SSC samples need to be collected in a separate bottle because the analysis requires the entire volume of the bottle. Many grab samples can be partitioned out of a larger container used to collect the samples for various analyses but that is not the case for SSC.

All samples must be maintained between 0-6 degrees Celsius during delivery to the laboratory. Samples must be kept on ice, or refrigerated, from sample collection through delivery to the laboratory. Shipped samples should be placed inside coolers with ice. Make sure the sample bottles are well packaged to prevent breakage and secure cooler lids with packaging tape.

Ship samples that will be laboratory analyzed to the analytical laboratory right away. Many analytical methods have short hold-times before which the analysis must be started. Hold times are measured from the time the sample is collected to the time the sample is analyzed. The General Permit requires that samples be received by the analytical laboratory within 48 hours of the physical sampling (unless otherwise required by the analytical laboratory).

Most sites will require the use of some sort of field meter to measure turbidity and pH. Some field meters can be placed directly in the flow of water and gather instantaneous data. Meters with probes that can be directly placed into the flow are ideal, however low flow conditions may not allow for this type of measurement. In this case, grab samples can be collected and placed within the field meter's recording container. Section 7.0 of this guidance document provides step-by-step instructions using an example field meter.

All monitoring instruments and equipment (including a discharger's own field instruments for measuring pH and turbidity) should be calibrated and maintained in accordance with manufacturers' specifications to ensure accurate measurements. Many manufacturers provide step-by-step instructions for the use and calibration of their meters and these instructions should be followed.

If using field meters, pH and turbidity measurements should be conducted immediately (i.e. samples should not be stored for later measurement).

Collect proper information regarding time and sampling conditions, appropriately label the bottles, and fill out the required chain of custody forms and field logs.
Analytical Methods, Laboratories, and Field Meters

All laboratory analyses must be conducted according to analytical procedures specified in 40 Code of Federal Regulations (CFR) Part 136, unless other analytical procedures have been specified in the General Permit or by the RWQCB. With the exception of field analyses conducted by the discharger for turbidity and pH, all analyses must be sent to and conducted by a state-certified analytical laboratory. Currently, the SSC method is not state certified and a limited number of laboratories have the capability of doing this analysis.

Analytical laboratories should be contacted and a contract should be worked out before the wet season to minimize potential disruptions during the critical sampling period. A laboratory should be chosen foremost by their accreditation, ability to perform the required samples in the desired turn-around-time, and then by their proximity for ease of sample delivery. Although with overnight mail delivery, proximity is less important, it may still be an important factor to avoid bottle breakage during shipment.

State-certified analytical laboratories can be found by using the Environmental Laboratory Accreditation Program's (ELAP) website at: http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx

The analytical method/protocol, minimum detection limits, and reporting units for the water quality constituents specifically identified in the General Permit are presented in Table below.

Parameter	Test Method/Protocol	Minimum Detection Limit	Minimum Sample Volume	Container Type
pH	Field Meter or pH test kit	0.2 pH Units	NA	Plastic
Turbidity	Field meter or EPA 180.1	1 NTU	500 mL	Plastic
SSC		5 mg/L	200 Ml	Contact Lab

Non-visible pollutants may include a wide range of analytical methods. A list of potential nonvisible pollutants based on construction activities is shown in the Table below. This list is not meant to be inclusive but to provide general guidance for this project. Consult with the analytical laboratory or 40 CFR Part 136 to identify specific analytical methods, sample volume, and containers needed for any additional non-visible pollutants.

Activity	Potential Pollutant Source	Laboratory Analysis
Portable Toilets	Bacteria, disinfectants	Total/fecal coliform
Concrete & Masonry	Acid wash	pH
	Curing Compounds	pH, alkalinity Volatile organic compounds (VOCs)
	Concrete rinse water	pH
	Resins	Semi-volatile organic compounds (SVOCs)
	Thinners	Phenols, VOCs
	Paint Strippers	VOCs
	Solvents	Phenols, VOCs
	Adhesives	Phenols, SVOCs
	Sealants	SVOCs
Cleaning	Detergents	Methylene Blue Activated Substances (MBAS) phosphates
	Bleaches	Residual chlorine

	Solvents	VOCs

Dischargers can perform pH analysis on site with a calibrated pH meter, or pH test kit. Dischargers can perform turbidity analysis using a calibrated turbidity meter (turbidimeter), either on site or at an accredited analytical laboratory.

Many manufacturers offer single parameter meters or multiple parameter meters with various optional probes. Dischargers will need to determine the best type of meter for their individual situation. Any meter selected for field monitoring should have the ability to be calibrated, be accompanied by detailed operation instructions, and should be ruggedly designed for field use and long term storage (you are unlikely to need it during the dry season).

Quality Assurance/Quality Control

An effective QA/QC plan will be implemented as part of the CSMP to ensure that analytical data can be used with confidence. QA/QC procedures to be initiated include the following:

1. Field logs;
2. Clean sampling techniques;
3. Sample Chains of Custody (COCs); and
4. Data verification.

Each of these procedures is discussed in more detail in the following sections.

Field Logs

The purpose of field logs is to record sampling information and field observations during monitoring that may explain any uncharacteristic analytical results. Sampling information to be included in the field log include the date and time of water quality sample collection, sampling personnel, sample container identification numbers, and types of samples that were collected. Field observations should be noted in the field log for any abnormalities at the sampling location (color, odor, BMPs, etc.). Field measurements for pH and turbidity should also be recorded in the field log. A field log is provided in Appendix I.

Clean Sampling Techniques

Clean sampling techniques involve the use of certified clean containers for sample collection and clean powder-free nitrile gloves during sample collection and handling. As discussed previously, adoption of a clean sampling approach will minimize the chance of field contamination and questionable data results.

Sample Chain-of-Custody

The sample COC is an important documentation step that tracks samples from collection through analysis to ensure the validity of the sample. Sample COC procedures include the following:

1. Proper labeling of samples;
2. Use of COC forms for all samples; and
3. Prompt sample delivery to the analytical laboratory.

Data Verification

After analytical results are received from the analytical laboratory, the data should be verified to ensure that it is complete, accurate, and the appropriate QA/QC requirements were met. Data should be verified as soon as the data reports are received.

The COC and laboratory reports need to be checked to make sure all requested analysis were performed and all samples are accounted for in the reports.

Check laboratory reports to make sure hold times were met and that the reporting levels meet or are lower than the reporting levels agreed to in the contract.

Check data for outlier values and follow up with the laboratory. Occasionally typographical errors, unit reporting errors, or incomplete results are reported and should be easily detected. These errors need to be identified, clarified, and corrected quickly by the laboratory. Attention should be paid to data that is an order of magnitude or more different than similar locations, or is inconsistent with previous data from the same location.

For laboratory analyses, EPA establishes QA/QC checks and acceptable criteria. These data are typically reported along with the sample results. Data reviewers should evaluate the reported QA/QC data to check for contamination (look at method, field, and equipment blanks), precision (laboratory matrix spike duplicates), and accuracy (matrix spikes and laboratory control samples). When QA/QC checks are outside acceptable ranges, the laboratory must flag the data, and usually provides an explanation of the potential impact to the sample results.

Check the data set for outlier values and, accordingly, confirm results and re-analyze samples where appropriate. Sample re-analysis should only be undertaken when it appears that some part of the QA/QC resulted in a value out of the expected range. Initial data, even if outside the expected range may not be discounted unless the analytical laboratory identifies the required QA/QC criteria were not met. If this occurs, the project should obtain a written statement from the analytical laboratory regarding the validity of the sample result.

Similarly, field data needs to be checked as soon as possible to identify potential errors. Reported data and observations should be verified to ensure that it is complete and accurate and as soon as the field logs are received.

Field logs should be checked to make sure all required measurements were completed and appropriately documented. Crews may occasionally miss-record a value. Reported values that appear out of the typical range or inconsistent, should be followed up on immediately to identify potential reporting or equipment problems.

Equipment calibration notations should be verified for outlier data, and if appropriate equipment calibrations should be checked after sampling. Observations noted on the field logs can also help to identify potential interferences. Notations should be made of any errors and actions taken to correct the equipment or recording errors.

When using a field meter it is important to record the value and then make note of any possible meter failures or interferences that could have led to an exceedance. Some possible instrument problems may include the need to recalibrate; the need to replace the battery; problems with the sample container (such as scratches on glass or plastic optical sample cells or particles on the outside of the optical sample cells); or fouled probes.

10/13/2020

CITY OF ROSEVILLE

CONTRACT DOCUMENTS FOR DESIGN-ASSIST AND CONSTRUCTION OF

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

VOLUME 4 OF 4: DRAWINGS

USA NORTH 811 Call 811 Before You Dig

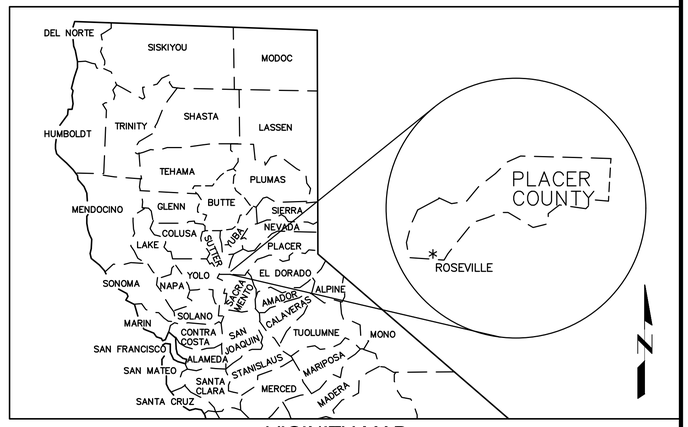


LOCATION MAP
NOT TO SCALE

OCTOBER 2020
FINAL DESIGN SUBMITTAL -
NOT FOR CONSTRUCTION

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VICINITY MAP
NOT TO SCALE

UTILITY CONTACT INFORMATION

UTILITY	REPRESENTATIVES		PHONE
U.S.A.	CALL BEFORE YOU DIG		800-642-2444
GAS	P.G.&E.	EMILY PEARSON	530-889-3147
ELECTRICITY	ROSEVILLE ELECTRIC	JOSEPH McKINNEY	916-214-6776
TELEPHONE	CONSOLIDATED COM.	STEVE ADDIEGO	916-786-4591
WATER	CITY OF ROSEVILLE	JIM MULLIGAN	916-774-5750
SEWER	CITY OF ROSEVILLE	KEN GLOTZBACH	916-774-5750
DRAINAGE	DEVELOPMENT SERVICES	ENGINEERING	916-774-5339
T.V. CABLE	COMCAST	ANDREW KATZ	916-722-3206

CITY OF ROSEVILLE - ENVIRONMENTAL UTILITIES

APPROVED Sean Bigley DATE: 10/14/2020
SEAN BIGLEY
ASSISTANT ENVIRONMENTAL UTILITIES DIRECTOR
ENVIRONMENTAL UTILITIES – WATER UTILITIES & GOVERNMENT RELATIONS
CITY OF ROSEVILLE

APPROVED Janice Gainey DATE: 10/14/2020
JANICE GAINEY, P.E.
SENIOR ENGINEER
DEPARTMENT OF ENVIRONMENTAL UTILITIES
CITY OF ROSEVILLE

SUBMITTED Thomas M. Dugan DATE: 10/14/2020
TOM DUGAN, P.E.
DOMENICHELLI & ASSOCIATES

REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

SCALE: N.T.S.

WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

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5180 Golden Foothill Parkway Ste. 220
El Dorado Hills, CA 95762
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2005 HILLTOP CIRCLE
ROSEVILLE, CA 95747 PHONE: 916-774-5750

REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

TITLE SHEET

DWG. NO. G1
SHEET 1 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - G SHEETS.DWG
20201013.115809

GENERAL:

1. ALL CONSTRUCTION AND MATERIALS MUST CONFORM TO THESE PLANS AND SPECIFICATIONS AND THE LATEST EDITION AND AMENDMENTS OF THE CITY OF ROSEVILLE DESIGN AND CONSTRUCTION STANDARDS.
2. THE CONTRACTOR SHALL CONDUCT A PRE–CONSTRUCTION MEETING TWO–WEEKS PRIOR TO STARTING WORK. MEMBERS OF THE CITY OF ROSEVILLE DEVELOPMENT SERVICES,ENVIRONMENTAL UTILITIES DEPARTMENT AND ALL OTHER UTILITY REPRESENTATIVES SHALL BE NOTIFIED BY THE CONTRACTOR AS TO THE DATE AND LOCATION OF THE MEETING.
3. THE CONTRACTOR SHALL TAKE EXTREME CARE TO PROTECT EXISTING SITE AND ADJACENT IMPROVEMENTS FROM DAMAGE. ANY DAMAGE RESULTING FROM CONSTRUCTION MUST BE REPAIRED TO CURRENT CITY STANDARDS AND AT CONTRACTOR'S EXPENSE. THE EXTENT OF THE REPAIRS SHALL BE DETERMINED BY THE PUBLIC WORKS INSPECTOR AND SHALL BE COMPLETED PRIOR TO THE CITY'S ACCEPTANCE OF THE IMPROVEMENTS.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL PERMITS NECESSARY TO PERFORM THE WORK SHOWN ON THESE PLANS FROM THE APPROPRIATE AGENCIES. REFER TO THE SPECIAL PROVISIONS IN TECHNICAL SPECIFICATIONS ADDITION PER REQUIREMENTS.
5. STATIONING HEREON IS ALONG STREET CENTERLINE UNLESS OTHERWISE SHOWN OR INDICATED. ALL STATIONING IS APPROXIMATE.
6. SHOULD ANY CULTURAL RESOURCES, SUCH AS STRUCTURAL FEATURES, UNUSUAL AMOUNTS OF BONE OR SHELL, ARTIFACTS, HUMAN REMAINS, OR ARCHITECTURAL REMAINS BE ENCOUNTERED DURING ANY CONSTRUCTION ACTIVITIES, WORK SHALL BE SUSPENDED AND THE CITY SHALL BE NOTIFIED IMMEDIATELY. CONTRACTOR SHALL COMPLY WITH ALL CONTRACT REQUIREMENTS FOR PROTECTION OF CULTURAL AND ARCHITECTURAL RESOURCES.
7. CONTRACTOR SHALL COMPLY WITH ALL ENVIRONMENTAL POLLUTION CONTROL RULES, REGULATIONS, ORDINANCES AND STATUTES WHICH APPLY TO ANY WORK PERFORMED PURSUANT TO THE CONTRACT, INCLUDING ANY WATER POLLUTION CONTROL RULES, REGULATIONS AND STATUTES SPECIFIED BY THE MOST CURRENT STATE OF CALIFORNIA NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY. IN THE EVENT OF ANY VIOLATIONS THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ALL FINES, CITATIONS, PENALTIES AND ALL OTHER JUDGEMENTS THAT SHALL BE IMPOSED.
8. SHOULD IT APPEAR THAT THE WORK TO BE DONE OR ANY MATTER RELATIVE THERETO IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR MUST REQUEST IN WRITING FROM THE ENGINEER SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.

UTILITIES:

9. THE TYPES, LOCATIONS AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE IMPROVEMENT PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UTILITIES. HOWEVER, THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF THE DELINEATION OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS.
10. THE CONTRACTOR SHALL EXPOSE AND VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION OF THE NEW IMPROVEMENTS, CONNECTING TO EXISTING IMPROVEMENTS AND UTILITIES. THE CONTRACTOR IS SOLELY RESPONSIBLE TO PROVIDE ALL LABOR AND EQUIPMENT NECESSARY TO LOCATE EXISTING UNDERGROUND FACILITIES.
11. THE CITY OF ROSEVILLE IS A MEMBER OF THE UNDERGROUND SERVICE ALERT (U.S.A.) ONE–CALL PROGRAM. THE CONTRACTORS SHALL NOTIFY THE U.S.A. CENTER 2 WORKING DAYS, NOT INCLUDING THE DATE OF NOTIFICATION, BUT NOT MORE THAN 14 CALENDAR DAYS IN ADVANCE OF PERFORMING EXCAVATION WORK BY CALLING TOLL–FREE NUMBER: (800) 642–2444. THE CONTRACTOR SHALL MARK IN WHITE PAINT ALL AREAS TO BE EXCAVATED PRIOR TO CONTACTING U.S.A. ANY AREAS NOT MARKED WILL NOT BE SUBJECT TO U.S.A., AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE RESULTING FROM EXCAVATION.
12. PG&E GAS LINES WITHIN THE PROJECT AREA SHALL BE EXPOSED PRIOR TO INSTALLATION OF ANY WATER MAINS AND SERVICES. DEPTHS OF PG&E GAS LINES ARE UNKNOWN. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING LOCATION AND DEPTH PRIOR TO INSTALLATION OF WATER MAINS AND SERVICES. HAND DIGGING IS REQUIRED WHENEVER WITHIN 24–INCHES OF EACH SIDE OF A GAS LINE TO THE DEPTH OF EXCAVATION. CONTRACTOR MUST NOTIFY PG&E REPRESENTATIVE OF GAS CROSSING ACTIVIES A MINIMUM OF 2–WEEKS IN ADVANCE. PG&E WILL ALLOW BORING METHOD FOR SERVICE INSTALLATION. HOWEVER, ALL PG&E GAS LINES WILL NEED TO BE FULLY EXPOSED TO DEPTH THE CROSSING. CONTRACTOR SHALL WATCH BORE HEAD DURING INSTALLATION (IN BOTH DIRECTIONS). IF THE COATING OF A GAS LINE IS BROKEN OFF OR OTHERWISE DAMAGED, IT IS THE CONTRACTOR'S RESPONSIBILTY TO CONTACT PG&E TO HAVE THE LINE CHECKED AND RE–WRAPPED. ANY DELAY CAUSED BY THESE EFFORTS WILL BE AT NO COST TO THE CITY.
13. ANY EXCAVATION WITHIN 5 FEET OF EXISTING OVERHEAD UTILITY POLES REQUIRES NOTIFICATION OF ROSEVILLE ELECTRIC AND COORDINATE A MINIMUM OF 2–WEEKS IN ADVANCE OF DOING THE WORK. CONTRACT JOSEPH McKINNEY (916) 241–6776.
14. WHEN WORKING AROUND COMMUNICATION LINES THE CONTRACTOR SHALL FIRST DETERMINE THE OWNER, NOTIFY THEM, AND HAVE THE OWNER PRESENT WHEN WORKING IN THE VICINITY OF THEIR UTILITY. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL COSTS ASSOCIATED WITH REPAIRS OF UTILITIES DAMAGED AS A RESULT OF CONSTRUCTION.

EXCAVATION, TRENCHING, CUTTING, AND BACKFILL:

15. A.C. SURFACE SHALL BE CUT TO A NEAT, STRAIGHT LINE PARALLEL WITH THE TRENCH CENTERLINE AND THE EXPOSED EDGE SHALL BE TACKED WITH EMULSION PRIOR TO PAVING. THE EXPOSED BASE MATERIAL SHALL BE GRADED, RECOMPACTED, AND RESEALED PRIOR TO PAVING. THE LIMITS OF PAVEMENT RESTORATION SHALL BE PER THE CITY REQUIREMENTS AND STANDARDS UNLESS OTHERWISE CALLED OUT IN THE PLANS.
16. ALL EXISTING CONCRETE SURFACE TO BE REMOVED SHALL BE SAW CUT TO A NEAT, STRAIGHT LINE AND SHALL BE REMOVED TO THE ADJACENT JOINTS.
17. THE CONTRACTOR SHALL ALWAYS COMPLY WITH OSHA REQUIREMENTS AND SHALL PROVIDE THE CITY OF ROSEVILLE WITH A COPY OF THE OSHA PERMIT PRIOR TO EXCAVATION OF TRENCHES 5 FEET OR DEEPER. THE PERMIT MUST BE SUBMITTED TO THE DEVELOPMENT SERVICES DEPARTMENT OR ENVIRONMENTAL UTILITIES DEPARTMENT INSPECTOR.
18. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHEETING, SHORING, AND BRACING OR EQUIVALENT METHOD, FOR THE PROTECTION OF LIFE OR LIMB, WHICH SHALL CONFORM TO THE APPLICABLE CONSTRUCTION SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY OF THE STATE OF CALIFORNIA.

RESTORATION:

19. CONTRACTOR WILL BE RESPONSIBLE FOR PAVEMENT RESTORATIONS ALONG THE TRENCH INCLUDING T–CUT, PAVEMENT TO RESTORE ADDITIONAL DAMAGED PAVEMENT, AND AS NOTED ON DETAIL 3/D4 AND PER THE CITY'S CONSTRUCTION STANDARDS.
20. PRIOR TO ROAD RESTORATION CONTRACTOR MUST RE–ESTABLISH A CLEANCUT AC EDGE, A MINIMUM OF 6–INCHES BEYOND DAMAGED AC EDGE. THE LIMITS OF PAVEMENT RESTORATION WILL BE DETERMINED BY THE PROJECT'S INSPECTOR.
21. ALL PAINTED TRAFFIC STRIPES, ARROWS AND PAVEMENT MARKINGS SHALL BE CONSTRUCTED WITH TWO–COMPONENT PAINTED TRAFFIC STRIP MATERIALS WITH GLASS BEADS TO THE SPECIFICATION SET FORTH IN SECTION 84 OF THE LATEST EDITION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AS WELL AS IN CONFORMANCE THE CITY OF ROSEVILLE STANDARDS SECTIONS 6, 84, AND 85.
22. ALL CONCRETE TO BE USED IN CURBS, DRIVEWAYS, BIKE PATHS AND SIDEWALKS SHALL BE CLASS A (6 SACK) PER CITY STANDARD 71–5 AND SECTION 73–1.02A – CONCRETE CURBS AND SIDEWALKS OF THE CALTRANS STANDARD SPECIFICATIONS.
23. ALL EXISTING UTILITIES AND IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE CITY OF ROSEVILLE CURRENT STANDARDS, AGENCY WITH JURISDICTION, AND TO THE SATISFACTION OF THE ENGINEER, AT THE CONTRACTOR'S SOLE EXPENSE.
24. CONTRACTOR MUST RESTORE LANDSCAPE AND HARDSCAPE DAMAGED OR REMOVED DURING CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH TECHNICAL SPECIFICATION SECTION 02000.

DDW WAIVER NOTES:

25. CONTRACTOR IS MADE AWARE THAT THE PROJECT HAS RECEIVED A WAIVER FROM THE STATE WATER RESOURCES CONTROL BOARD DIVISION OF DRINKING WATER (DDW). CONTRACTOR SHALL REVIEW AND COMPLY WITH THE WAIVER AND ALL ASSOCIATED REQUIREMENTS OF THE WAIVER AND OTHER PROVISIONS INCLUDED IN THE PLANS AND SPECIFICATIONS.
26. DDW WAVIER LOCATIONS PREVIOUSLY IDENTIFIED DURING UTILITY RESEARCH ARE IDENTIFIED ON THE PLANS AS FOLLOWS.

    CR – SEWER AND/OR STORM DRAIN CROSSING IDENTIFIED IN DDW WAIVER. SEE APPROVED WAIVER AND ASSOCIATED TABLES FOR SPECIFIC LOCATION IDENTIFICATION (NUMBER).

    PR1 – SECTION OF PIPELINE DOES NOT MEET MINIMUM HORIZONTAL SPACING REQUIREMENTS FROM EXISTING NON–POTABLE UTILITY. PUSH ON JOINT (POJ) RESTRAINED JOINTS REQUIRED ALONG THIS SECTION OF PIPELINE. SEE DETAIL 2/D4 TO CONFIRM ALLOWABLE JOINTS..

    PR2 – SECTION OF PIPELINE DOES NOT MEET MINIMUM HORIZONTAL SPACING REQUIREMENTS FROM EXISTING NON–POTABLE UTILITY. MECHANICAL JOINT RESTRAINED JOINTS REQUIRED ALONG THIS SECTION OF PIPELINE. SEE DETAIL 2/D4 TO CONFIRM ALLOWABLE JOINTS.
27. DDW WAVIER LOCATIONS NOT SHOWN ON PLANS. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL POTHOLING NECESSARY TO CONFIRM THE HORIZONTAL AND VERTICAL DISTANCES BETWEEN THE NEW WATER PIPELINE AND THE EXISTING STORM DRAIN AND SEWER FACILITIES. POTHOLING DATA COLLECTED BY CONTRACTOR MAY IDENTIFY ADDITIONAL LOCATIONS THAT REQUIRE DDW WAVIER BY NOT MEETING MINIMUM CLEARANCES. ANY DISCREPANCIES BETWEEN CLEARANCES SHOWN ON PLANS AND THOSE IDENTIFIED IN THE FIELD BY THE CONTRACTOR MUST BE IMMEDIATELY REPORTED TO THE ENGINEER. THESE LOCATIONS WILL BE EVALUATED AND MAY REQUIRE ADDITIONAL ENGINEERING DESIGN BEFORE CONSTRUCTION IS AUTHORIZED.
28. CONTRACTOR'S RESPONSIBILITY FOR DOCUMENTING CONSTRUCTION OF ALL LOCATIONS REQUIRING DDW WAVIER (INCLUDING BOTH PREVIOUSLY IDENTIFIED, AND THOSE IDENTIFIED DURING POTHOLING) INCLUDE RECORDING UTILITY CLEARANCE MEASUREMENTS (HORIZONTAL AND VERTICAL) AND TAKING PHOTOGRAPHS DURING CONSTRUCTION. CONTRACTOR MUST NOT BURY ANY DDW WAVIER LOCATION WITHOUT CITY INSPECTION AND APPROVAL.

CONSTRUCTION WATER:

29. ALL CONSTRUCTION WATER TO BE OBTAINED FROM A LOCATION APPROVED BY THE CITY OF ROESEVILLE. WATER CONVEYANCE TO CONSTRUCTION AREA IS THE RESPONSIBILITY OF CONTRACTOR. CONTRACTOR TO OBTAIN AND PAY DEPOSIT FOR CONSTRUCTION WATER METER AND BACKFLOW DEVICE. CONTACT THE CITY OF ROSEVILLE CUSTOMER SERVICES AT 916–774–5750.

PROJECT NOTES:

30. CONTRACTOR MUST DOCUMENT PRE–CONSTRUCTION CONDITIONS AS DETAILED IN TECHNICAL SPECIFICATION SECTION 01380 – PHOTOGRAPHY.
31. CONTRACTOR MUST DETERMINE FINAL AREAS OF EXCAVATION REQUIRED TO CONSTRUCT THE WORK. ALL AREAS OF EXCAVATION MUST BE RESTORED AS PART OF THE CONTRACT WORK.
32. BURIED PIPE AND FITTINGS SHALL BE WRAPPED WITH 8–MIL POLYETHYENE TAPE OR APPROVED EQUAL. TRACER WIRE IS REQUIRED TO BE INSTALLED ON ALL NEW MAINS AND SERVICE LINES.
33. CONTRACTOR IS REQUIRED TO SUBMIT A FLUSHING, PRESSURE TEST, AND DISINFECTION PLAN FOR REVIEW AND APPROVAL BY THE ENGINEER.
34. ALL SERVICES SHALL REUSE THE EXISTING METER AND METER BOX. NEW SERVICE LINES MUST BE CONSTRUCTED AND CONNECTED TO EXISTING METER PER CITY STANDARD DETAILS. CONTRACTOR TO IDENTIFY AND BRING TO INSPECTOR'S ATTENTION ANY EXISTING EQUIPMENT THAT IS BROKEN OR CANNOT BE REUSED.
35. CONTRACTOR MUST INSTALL NEW INTRACT SERVICE LINES, WHERE IDENTIFIED ON THE PLANS. THE LOCATIONS OF THE EXISTING INTRACT ARE UNKNOWN. THE CONTRACTOR SHALL FIELD LOCATE THE EXISTING INTRACT AND DETERMINE A SUITABLE ALIGNMENT TO INSTALL THE NEW INTRACT PIPE. THE INTRACT LINE WILL BE INSTALLED FROM THE METER TO THE POINT OF ORIGINAL PROPERTY (HOUSE). CONTRACOR MUST EVALUATE EACH OF THESE SITES AND PROVIDE ALL NECESSARY PIPING, FITTINGS, AND APPURTENANCES TO MAKE A COMPLETE AND OPERATIONAL CONNECTION.
36. THE EXISTING MAIN MUST REMAIN IN SERVICE UNTIL THE NEW MAIN IS MADE READY FOR CROSSOVER. DURING THE CROSSOVER NO MORE THAN TWO (2) FIRE HYDRANTS SHALL BE OFFLINE DURING A SINGLE SHUTDOWN.
37. BOTH THE EXISTING AND THE NEW WATER FACILITIES SHALL BE KEPT ACTIVE UNTIL ALL SERVICES ARE CROSSED OVER TO THE NEW FACILITIES AND THE SYSTEM IS ACCEPTED BY THE CITY. CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS AND WORK ASSOCIATED WITH TEMPORARY FACILITIES NECESSARY PRIOR TO FINAL ABANDONMENT OF THE EXISTING FACILITIES.
38. DISTRIBUTION PIPE AND CONNECTING MAINS SHALL BE PVC C900 OR DUCTILE IRON PIPE (POLYETHYLENE ENCASED) IN ACCORDANCE WITH CITY STANDARDS, TECHNICAL PROVISIONS, AND THE DRAWINGS. RESTRAINED PIPE SHALL BE DUCTILE IRON PIPE ONLY. THE PIPE SHALL BE RESTRAINED PER CITY STANDARDS AND DDW REQUIREMENTS. ALL MECHANICAL JOINTS SHALL BE OF THE RESTRAINED TYPE USING EBAA IRON, OR STAR, OR EQUAL. CALCULATED RESTRAINT LENGTHS ARE SHOWN ON THE PROFILES AND THE CONTRACTOR SHALL INSTALL RESTRAINTS TO THE NEXT NEAREST JOINT. TEST PRESSURE SHALL BE 150 PSI MINIMUM.
39. THE MAXIMUM DEFLECTION AT ANY JOINT SHALL NOT EXCEED THE MANUFACTURER'S ALLOWED DEFLECTION.
40. ABANDON EXISTING PIPELINE BY CUTTING AND CAPPING ENDS AS SHOWN ON PLANS PER CITY STANDARDS. VALVES SHALL BE ABANDONED BY REMOVING OPERATING NUT, VALVE BOX, AND RISER TO BE CUT AT LEAST 24" BELOW GRADE AND BACKFILLED PER CITY STANDARDS. BACKFILL ABANDONED VALVE LOCATIONS WITH CLASS 2 AB COMPACTED TO 95% IN PAVED AND HARDSCAPE AREAS TO SUBGRADE, OR FILLED WITH NATIVE AND TOPSOIL IN UNPAVED OR NON HARDSCAPED AREAS TO FINISHED GRADE.
41. PROJECT DISTURBANCE HAS BEEN CALCULATED TO BE MORE THAN 1 ACRE AND THEREFORE REQUIRES COVERAGE UNDER THE GENERAL PERMIT FOR DISCHARGES OF STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY (CONSTRUCTION GENERAL PERMIT 2009–009–DWQ). THE CONTRACTOR IS MADE AWARE THAT A SWPPP HAS BEEN PREPARED FOR THIS PROJECT AND THAT THE CONTRACTOR'S STAGING AREA ALSO FALLS UNDER THE SWPPP REQUIREMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR COMPLYING WITH THE CONSTRUCTION GENERAL PERMIT INCLUDING SWPPP IMPLEMENTATION, COMPLIANCE, MONITORING AND REPORTING. ANY VIOLATIONS AND FINES RESULTING FROM THE CONTRACTOR'S NEGLIGENCE WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PAY AND BRING INTO COMPLIANCE.
42. THRUST BLOCKS SHALL ONLY BE USED WHERE SPECIFICALLY SHOWN ON PLAN/PROFILE SHEETS AND/OR STANDARD DETAIL SHEETS. ALL FITTINGS AND APPURTENANCES SHALL MAINTAIN A MINIMUM OF 18 FEET OF RESTRAINED PIPE INTO THE FITTING FROM ALL DIRECTIONS.
43. EXISTING UTILITY BACKFILL – CONTRACTOR IS MADE AWARE THAT EXISTING UTILITIES IN THE PROJECT AREA HAVE BEEN BACKFILLED WITH VARIOUS TYPES OF BACKFILL OF UNKNOWN STRENGTH. ALL BACKFILL MATERIALS ARE CONSIDERED DIGGABLE, HOWEVER THE CONTRACTOR MUST ANTICIPATE THAT UTILITY CROSSINGS WILL INCLUDE EXCAVATION THROUGH 2–SACK CONCRETE SLURRY BACKFILL MATERIAL WHICH WILL REQUIRE ADDITIONAL EFFORT.

SYMBOLS

EXISTING

- GAS — GAS LINE
- SS — SEWER LINE
- SD — STORM DRAIN LINE
- ABANDONED STORM DRAIN LINE
- W — WATER LINE
- E — ELECTRICAL
- COM — COMMUNICATIONS/FIBER
- EOP — EDGE OF PAVEMENT
- PARCEL LINE/ RIGHT–OF–WAY
- VEGATION/BRUSH
- WATER METER
- WV — WATER VALVE
- FIRE DEPARTMENT CONNECTION
- FIRE HYDRANT
- BLOW OFF
- POWER POLE
- POLE
- ELECTRICAL BOX
- ELECTRICAL / COMMUNICATION MANHOLE
- GV — GAS VALVE
- SANITARY SEWER CLEAN OUT
- SURVEY MONUMENT
- SANITARY SEWER MANHOLE
- STORM DRAIN MANHOLE
- STORM DRAIN INLET
- STREETLIGHT
- UTILITY/LIGHT POLE
- TRAFFIC SIGNAL

NEW

- WATER LINE
- DDW WAIVER PIPE SECTION
- PROPOSED STORM DRAIN LINE (BY OTHERS)
- COM — COMMUNICATIONS/FIBER (BY OTHERS)
- M — WATER METER
- GATE VALVE
- FIRE HYDRANT
- BLOW OFF
- CAP (CUT AND CAP END)
- ABANDON PIPELINE
- IN TRACT LINE
- T.S. — TEST STATION
- MB — METER BOX, NO METER

ABBREVIATIONS

AB –	AGGREGATE BASE
ABAN –	ABANDON
AC –	ASPHALT CONCRETE OR ASBESTOS CEMENT PIPE
A.T.S.–	ANODE TEST STATION
BF, BFV–	BUTTERFLY VALVE
BFP –	BACKFLOW PREVENTER
C&G –	CURB AND GUTTER
℄,CL –	CENTERLINE / CLASS
CMP –	CORRUGATED METAL PIPE
COM –	COMMUNICATIONS
CONC –	CONCENTRIC, CONCRETE
DI –	DRAIN INLET
DIP –	DUCTILE IRON PIPE
DWG –	DRAWING
DWY –	DRIVEWAY
EL –	ELEVATION
ELEC –	ELECTRIC, ELECTRICTIAN
EOP –	EDGE OF PAVEMENT
(E)/EXIST/EX–	EXISTING
FH –	FIRE HYDRANT
FL –	FLOWLINE
FLG –	FLANGE
GB –	GRADE BREAK
GV –	GATE VALVE
IE –	INVERT ELEVATION
INV –	INVERT
L –	LENGTH
M –	METER
MAX –	MAXIMUM
MIN –	MINIMUM
MJ –	MECHANICAL JOINT
(N) –	NEW
NIC –	NOT IN CONTRACT
NO. –	NUMBER
P℄ –	PIPELINE CENTERLINE
PE –	PLAIN END
PL –	PROPERTY LINE
POJ –	PUSH ON JOINT
PP –	POWER POLE
PW –	POTABLE WATER
PVC –	POLY VINYL CHLORIDE
R –	RADIUS
RD –	ROAD
RIM –	RIM ELEVATION
SD –	STORM DRAIN
SDMH –	STORM DRAIN MANHOLE
SSMH –	SEWER MANHOLE
STL –	STEEL
SVC –	WATER SERVICE
TC –	TOP OF CURB
TCMP –	TOP OF CORRUGATED METAL PIPE
TYP –	TYPICAL
UE–	UNDERGROUND ELECTRICAL
UG–	UNDERGROUND GAS
UNK–	UNKNOWN
UT–	UNDERGROUND TELEPHONE/FIBER
W –	WATER MAIN
W/–	WITH
WS –	WATER SERVICE
WSC –	WELDED STEEL CONDUIT
WV –	WATER VALVE

REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

SCALE: N.T.S.

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DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

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ROSEVILLE, CA 95747 PHONE: 916-774-5750

REGISTERED PROFESSIONAL ENGINEER THOMAS M. [illegible] NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

ABBREVIATIONS AND GENERAL NOTES

DWG. NO. G2
SHEET 2 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - G SHEETS.DWG
20201013.115809

SURVEY:

44. AERIAL MAPPING PROVIDED BY VERTICAL MAPPING RESOURCES, RENO NV. AERIAL FLOWN ON MAY 22, 2020.

45. GROUND SURVEY PROVIDED BY ALAN DIVERS, PLS, PLACERVILLE CA. UTILIZING NAVD 88. SURVEY COMPLETED JUNE 15, 2020. SURVEY UTILIZES CITY BM 85 3 ¼" BRASS DISK STAMPED 2018 PLS 8278, DRY CREEK AT DARLING WAY, NORTHEAST CORNER OF INTERSECTION, BACK OF SIDEWALK AT EAST END OF CURB RETURN. BASIS OF BEARINGS, NAD83, CSDS RTN.

46. THE CAD FILES FOR THIS PLAN SET UTILIZE DATUM CALIFORNIA ZONE II, US FT.

47. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS, OTHER SURVEY MARKERS, STREET SIGNS AND OTHER IMPORTANT OBJECTS ON THE JOB SITE.

TRAFFIC CONTROL NOTES:

48. THE CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLANS THAT MUST BE APPROVED BY ENGINEERING DIVISION OF PUBLIC WORKS BEFORE START OF WORK IN RIGHT-OF-WAY AND SHALL BE IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE CA MUTCD WITH ALL APPLICABLE CALIFORNIA SUPPLEMENTS & AMENDMENTS.

49. AT LEAST ONE LANE IN EACH DIRECTION SHALL REMAIN OPEN TO TRAFFIC UNLESS OTHERWISE SHOWN ON THE PLANS OR APPROVED IN WRITING FROM THE CITY REPRESENTATIVE.

50. TRAFFIC CONTROL HOURS ARE SUBJECT TO LIMITATION BY THE CITY. TRAFFIC CONTROL WITH LANE CLOSURES THAT AFFECT TRAFFIC FLOW MAY REQUIRE NIGHT WORK. IF, AS A PART OF TRAFFIC CONTROL MEASURES, A ROADWAY CLOSURE HAS BEEN APPROVED, THE CONTRACTOR SHALL NOTIFY DEVELOPMENT SERVICES CONSTRUCTION INSPECTOR 72 HOURS IN ADVANCE OF SETTING UP THIS CLOSURE.

51. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGGERS OR OTHER DEVICES NECESSARY AND/OR REQUIRED TO PROVIDE FOR SAFETY. DOUGLAS BLVD IS CONSIDERED A MAJOR ROAD AND WILL REQUIRE ADDITIONAL TRAFFIC CONTROL MEASURES SUCH AS CHANGEABLE MESSAGE SIGNS.

CORROSION PROTECTION SYSTEM NOTES:

52. A CORROSION STUDY WAS CONDUCTED AS PART OF THE DESIGN OF THE PROJECT. CORROSION PROTECTION MEASURES MUST BE INCLUDED WITH THE CONSTRUCTION PER THE CITY OF ROSEVILLE CONSTRUCTION STANDARDS SECTION 81-DOMESTIC WATER SUPPLY SYSTEM CONSTRUCTION.

    APPROXIMATE LOCATIONS OF TEST STATIONS ARE INCLUDED ON THE PLANS. FINAL LOCATIONS ARE DEPENDENT ON THE FINAL LENGTH OF DUCTILE IRON PIPELINE DETERMINED FOLLOWING POTHOLING OF EXISTING UTILITIES.

    CORROSION PROTECTION SYSTEM TESTING – AT THE COMPLETION OF THE PIPE INSTALLATION AND PRIOR TO ANY CURB AND GUTTER INSTALLATION, THE CONTRACTOR SHALL PROVIDE A THIRD-PARTY CORROSION PROTECTION CONSULTANT TO CONDUCT A TEST OF THE CORROSION MONITORING SYSTEM IN THE PRESENCE OF THE CONSTRUCTION INSPECTOR. A REPORT SHOWING THE TEST RESULTS SHALL BE SUBMITTED TO THE ENVIRONMENTAL UTILITIES DEPARTMENT FOR REVIEW AND APPROVAL. THE REPORT SHALL INCLUDE TEST STATION LOCATIONS AS CALLED OUT ON THE APPROVED PLANS, APPURTENANCE TESTED, TEST RESULT, AND RECOMMENDATIONS FOR FUTURE MONITORING AND MAINTENANCE.

53. THE TEST STATION SHOWN ARE IN THEIR APPROXIMATE LOCATION AND SUBJECT TO CHANGE BASED ON FINAL ALIGNMENTS. TEST STATIONS ARE TO BE INSTALLED IN ACCORDANCE TO CITY STANDARDS. FINAL TEST STATION LOCATIONS ARE TO BE COORDINATED WITH THE CITY INSPECTOR

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - G SHEETS.DWG

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REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION
REV	DATE	BY	DESCRIPTION

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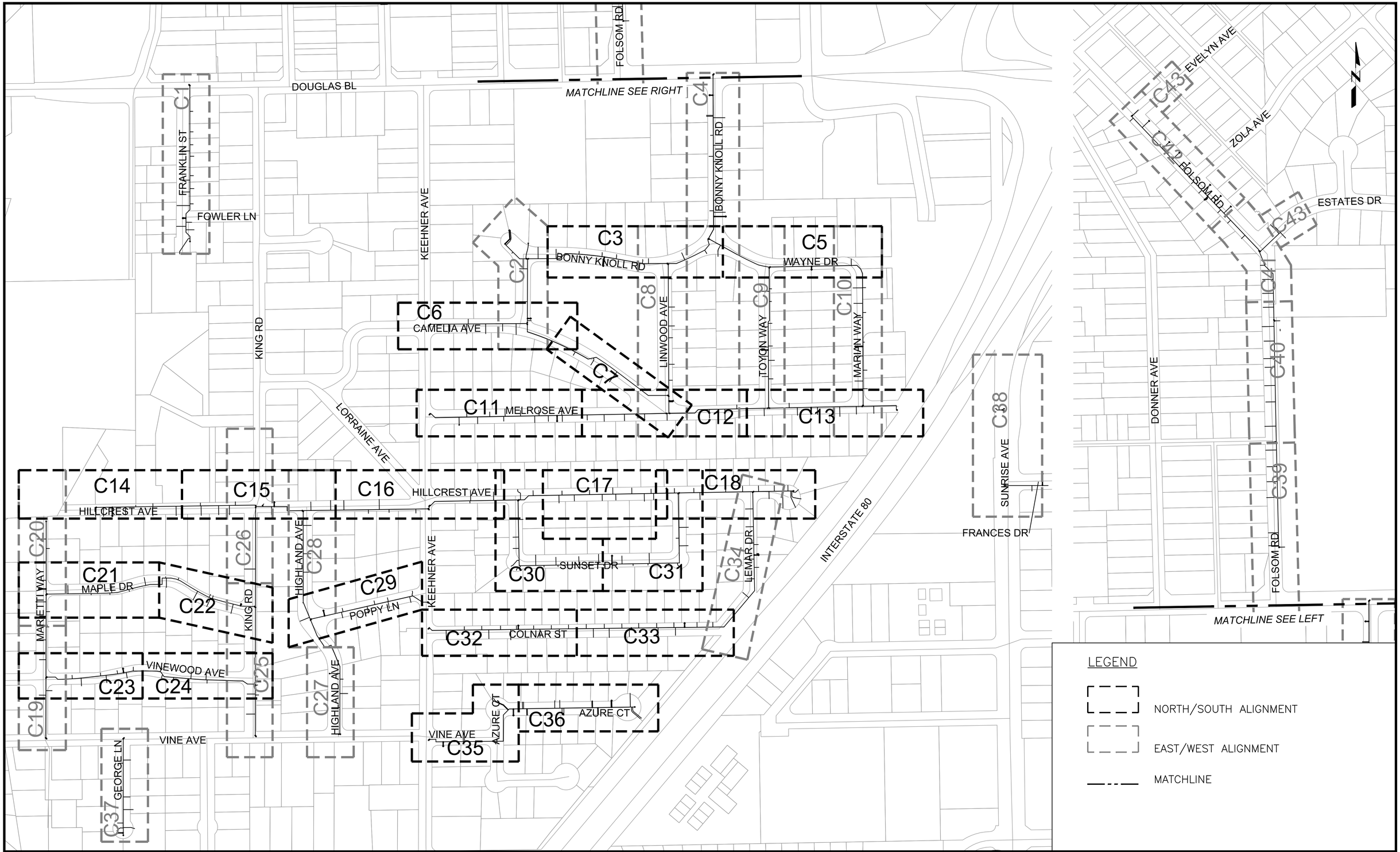
REGISTERED PROFESSIONAL ENGINEER
JAMES M. [illegible]
NO. C68171
Exp. 9/30/21
CIVIL
STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

GENERAL NOTES 2

DWG. NO. G3

SHEET 3 OF 58



Z:\CITY OF ROSEVILLE\IRSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\IRSVL-001 HILLC

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REGISTERED PROFESSIONAL ENGINEER — THOMAS M. LUTH — NO. C68171 Exp. 9/30/21 — CIVIL — STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

PROJECT ALIGNMENT SHEET KEY

DWG. NO. G4

SHEET 4 OF 58

WATER SERVICE CONNECTION TABLE

ADDRESS	STREET	SERVICE TYPE	EXISTING METER LOCATION	RELOCATE EXITSING METER	NEW INTRACT DIAMETER	NEW INTRACT LENGTH	NOTE
1001	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1005	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1007	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1008	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1009	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1010	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1011	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1012	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1013	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1014	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1015	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1016	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1017	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1018	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1019	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1020	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1021	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1023	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1025	AZURE CT	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
105	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
106	BONNY KNOLL RD	COMMERCIAL	LANDSCAPE	NO	N/A	N/A	PROPERTY HAS METER FOR 1078 DOUGLAS
107	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
108	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
109	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
111	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
200	BONNY KNOLL RD	RESIDENTIAL	N/A	N/A	N/A	N/A	NO METER. PROPERTY SHARED WITH 108 BONNY KNOLL
202	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
204	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
205	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
206	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
208	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
210	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
212	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
214	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
216	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
218	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
220	BONNY KNOLL RD	RESIDENTIAL	CONCRETE	YES	1"	<10'	RELOCATE METER FROM SIDEWALK TO LAWN
222	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
224	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
226	BONNY KNOLL RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
227	BONNY KNOLL RD	IRRIGATION	LANDSCAPE	NO	N/A	N/A	
1000	CAMELIA AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1002	CAMELIA AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1003	CAMELIA AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1004	CAMELIA AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1005	CAMELIA AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1006	CAMELIA AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1008	CAMELIA AV	RESIDENTIAL	CONCRETE	NO	N/A	N/A	
1010	CAMELIA AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1012	CAMELIA AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1014	CAMELIA AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1015	CAMELIA AV	COMMERCIAL	LANDSCAPE	NO	N/A	N/A	THE PARK. METER AT SOUTHWEST CORNER
1003	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1004	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1005	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1006	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1007	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1009	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1010	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1011	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1012	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1013	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1014	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1015	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1016	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1017	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1018	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1019	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1020	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1021	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1022	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1023	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1024	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1025	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	

ADDRESS	STREET	SERVICE TYPE	EXISTING METER LOCATION	RELOCATE EXITSING METER	NEW INTRACT DIAMETER	NEW INTRACT LENGTH	NOTE
1026	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1027	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1029	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1031	COLNAR ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1078	DOUGLAS BL	COMMERCIAL	LANDSCAPE	NO	N/A	N/A	METER IS ON 106 BONNY KNOLL RD
1080	DOUGLAS BL	COMMERCIAL	LANDSCAPE	NO	N/A	N/A	METER/SERVICE ARE ON BONNEY KNOLL RD
1100	DOUGLAS BL	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
97	ESTATES DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
210	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
214	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
215	FOLSOM RD	RESIDENTIAL	N/A	NO	N/A	N/A	STUB SERVICE TO CORP STOP/SIDEWALK, NO METER.
217	FOLSOM RD	RESIDENTIAL	N/A	NO	N/A	N/A	STUB SERVICE TO CORP STOP/SIDEWALK, NO METER.
219	FOLSOM RD	RESIDENTIAL	N/A	NO	N/A	N/A	STUB SERVICE TO CORP STOP/SIDEWALK, NO METER.
221	FOLSOM RD	RESIDENTIAL	N/A	NO	N/A	N/A	STUB SERVICE TO CORP STOP/SIDEWALK, NO METER.
223	FOLSOM RD	RESIDENTIAL	N/A	NO	N/A	N/A	STUB SERVICE TO CORP STOP/SIDEWALK, NO METER.
234	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
239	FOLSOM RD	RESIDENTIAL	N/A	NO	N/A	N/A	STUB SERVICE TO CORP STOP/SIDEWALK, NO METER.
240	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
243	FOLSOM RD	RESIDENTIAL	N/A	NO	N/A	N/A	STUB SERVICE TO CORP STOP/SIDEWALK, NO METER.
244	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
247	FOLSOM RD	RESIDENTIAL	N/A	NO	N/A	N/A	STUB SERVICE TO CORP STOP/SIDEWALK, NO METER.
248	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
252	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
272	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
274	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
276	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
278	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
282	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
286	FOLSOM RD	COMMERCIAL	LANDSCAPE	NO	N/A	N/A	
306	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
308	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
310	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
312	FOLSOM RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
314	FOLSOM RD	COMMERCIAL	LANDSCAPE	NO	N/A	N/A	
400	FOLSOM RD	COMMERCIAL	LANDSCAPE	NO	N/A	N/A	
404	FOLSOM RD	COMMERCIAL	LANDSCAPE	NO	N/A	N/A	
408	FOLSOM RD	COMMERCIAL	LANDSCAPE	NO	N/A	N/A	
420	FOLSOM RD	COMMERCIAL	LANDSCAPE	NO	N/A	N/A	THIS ADDRESS IS ON TWO PARCELS
424	FOLSOM RD	COMMERCIAL	LANDSCAPE	NO	N/A	N/A	
426	FOLSOM RD	COMMERCIAL	LANDSCAPE	NO	N/A	N/A	
100	FOWLER LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
106	FOWLER LN	RESIDENTIAL	N/A	NO	N/A	N/A	CONNECT TO EXISTING SERVICE IN FOWLER PRIOR TO METER
1200	FRANCES DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
105	FRANKLIN ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
107	FRANKLIN ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
109	FRANKLIN ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
110	FRANKLIN ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
111	FRANKLIN ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
112	FRANKLIN ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
113	FRANKLIN ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
114	FRANKLIN ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
115	FRANKLIN ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
116	FRANKLIN ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
120	FRANKLIN ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
122	FRANKLIN ST	N/A	N/A	N/A	N/A	N/A	PARKING LOT. NO METER
125	FRANKLIN ST	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
601	GEORGE LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
602	GEORGE LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
603	GEORGE LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
607	GEORGE LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
610	GEORGE LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
611	GEORGE LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
614	GEORGE LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
400	HIGHLAND AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
401	HIGHLAND AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
405	HIGHLAND AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
406	HIGHLAND AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
407	HIGHLAND AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
411	HIGHLAND AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	

ADDRESS	STREET	SERVICE TYPE	EXISTING METER LOCATION	RELOCATE EXITSING METER	NEW INTRACT DIAMETER	NEW INTRACT LENGTH	NOTE
500	HIGHLAND AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
501	HIGHLAND AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
504	HIGHLAND AV	RESIDENTIAL	ASPHALT	NO	N/A	N/A	
505	HIGHLAND AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
506	HIGHLAND AV	RESIDENTIAL	LANDSCAPE	YES	2"	150'-200'	INSTALL NEW SERVICE, RELOCATE BACKYARD METER, INSTALL NEW INTRACT.
509	HIGHLAND AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
510	HIGHLAND AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
704	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
705	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
706	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
707	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
708	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
709	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
710	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
712	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
905	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
907	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
909	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
910	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
911	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
912	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1002	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1003	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1005	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1006	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1007	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1008	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1009	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1010	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1011	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1012	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1013	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1014	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1015	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1016	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1017	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1018	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1019	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1020	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1021	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1022	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1023	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1101	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1102	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1103	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1104	HILLCREST AV	RESIDENTIAL	CONCRETE	NO	N/A	N/A	
1105	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1106	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1107	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1109	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1111	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
910B	HILLCREST AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
402	KEEHNER AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
406	KEEHNER AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
509	KEEHNER AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
328	KING RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
400	KING RD	RESIDENTIAL	CONCRETE	NO	N/A	N/A	Property has two meters/boxes
406	KING RD	RESIDENTIAL	ASPHALT	NO	N/A	N/A	
411	KING RD	RESIDENTIAL	ASPHALT	NO	N/A	N/A	
504	KING RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
507	KING RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
508	KING RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
512	KING RD	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
400	LEMAR DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
401	LEMAR DR	RESIDENTIAL	CONCRETE	NO	N/A	N/A	
402	LEMAR DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
404	LEMAR DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
405	LEMAR DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
406	LEMAR DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
407	LEMAR DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
408	LEMAR DR	RESIDENTIAL	CONCRETE	NO	N/A	N/A	
410	LEMAR DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
301	LINWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
303	LINWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HI

20201013.115809

REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION
REV	DATE	BY	DESCRIPTION

SCALE: N.T.S.

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

DOMENICHELLI & ASSOCIATES
5180 Golden Foothill Parkway Ste. 220
El Dorado Hills, CA 95762
Ph: (916) 933-1997
Fax: (916) 933-4778

CITY OF ROSEVILLE CALIFORNIA
2005 HILLTOP CIRCLE
ROSEVILLE, CA 95747 PHONE: 916-774-5750

REGISTERED PROFESSIONAL ENGINEER
THOMAS M. DUGAN
NO. C68171
Exp. 9/30/21
CIVIL
STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

WATER SERVICE CONNECTION TABLE 1

DWG. NO. G5

SHEET 5 OF 58

WATER SERVICE CONNECTION TABLE CONT'D

ADDRESS	STREET	SERVICE TYPE	EXISTING METER LOCATION	RELOCATE EXITSING METER	NEW INTRACT DIAMETER	NEW INTRACT LENGTH	NOTE
305	LINWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
307	LINWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
309	LINWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
311	LINWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
700	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
701	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
702	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
703	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
704	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
705	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
706	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
707	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
708	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
709	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
710	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
711	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
712	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
713	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
714	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
715	MAPLE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
300	MARIAN WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
301	MARIAN WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
302	MARIAN WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
304	MARIAN WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
306	MARIAN WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
307	MARIAN WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
308	MARIAN WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
309	MARIAN WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
310	MARIAN WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
311	MARIAN WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
313	MARIAN WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
400	MARIETTI WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
401	MARIETTI WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
403	MARIETTI WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
404	MARIETTI WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
500	MARIETTI WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
502	MARIETTI WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
503	MARIETTI WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
504	MARIETTI WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
506	MARIETTI WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
508	MARIETTI WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
509	MARIETTI WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1002	MELROSE AV	RESIDENTIAL	LANDSCAPE	YES	1"	<50'	RELOCATE METER TO AVOID TREE ROOTS. MAY REQUIRE RE-ROUTING INTRACT LINE.
1003	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1004	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1005	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1006	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1007	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1008	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1009	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1010	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1011	MELROSE AV	RESIDENTIAL	CONCRETE	NO	N/A	N/A	
1012	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1013	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1014	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1015	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1016	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1017	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1018	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1020	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1022	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1023	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1024	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1026	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1100	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1102	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1103	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1104	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1106	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1107	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1108	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1110	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1111	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1112	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1114	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1116	MELROSE AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1118	MELROSE AV	N/A	N/A	N/A	N/A	N/A	VACANT LOT. NO METER
905	POPPY LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
908	POPPY LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
911	POPPY LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
912	POPPY LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
916	POPPY LN	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
402	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
404	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
406	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
408	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1008	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1009	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1010	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
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1012	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
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1015	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
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1017	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1018	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1019	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
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1021	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1022	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1026	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1028	SUNSET DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
310	SUTTER AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
300	TOYON WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
301	TOYON WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
302	TOYON WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
305	TOYON WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
306	TOYON WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
307	TOYON WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
308	TOYON WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
309	TOYON WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
310	TOYON WY	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
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701	VINEWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
702	VINEWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
703	VINEWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
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712	VINEWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
713	VINEWOOD AV	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1100	WAYNE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1104	WAYNE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1111	WAYNE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1115	WAYNE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1117	WAYNE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1121	WAYNE DR	RESIDENTIAL	LANDSCAPE	NO	N/A	N/A	
1123	WAYNE DR	N/A	N/A	N/A	N/A	N/A	VACANT LOT. NO METER

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - G SHEETS.DWG

20201013.115809

REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION
REV	DATE	BY	DESCRIPTION

SCALE: N.T.S.

WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

DOMENICHELLI & ASSOCIATES
5180 Golden Foothill Parkway Ste. 220
El Dorado Hills, CA 95762
Ph: (916) 933-1997
Fax: (916) 933-4778

CITY OF ROSEVILLE CALIFORNIA
2005 HILLTOP CIRCLE
ROSEVILLE, CA 95747 PHONE: 916-774-5750

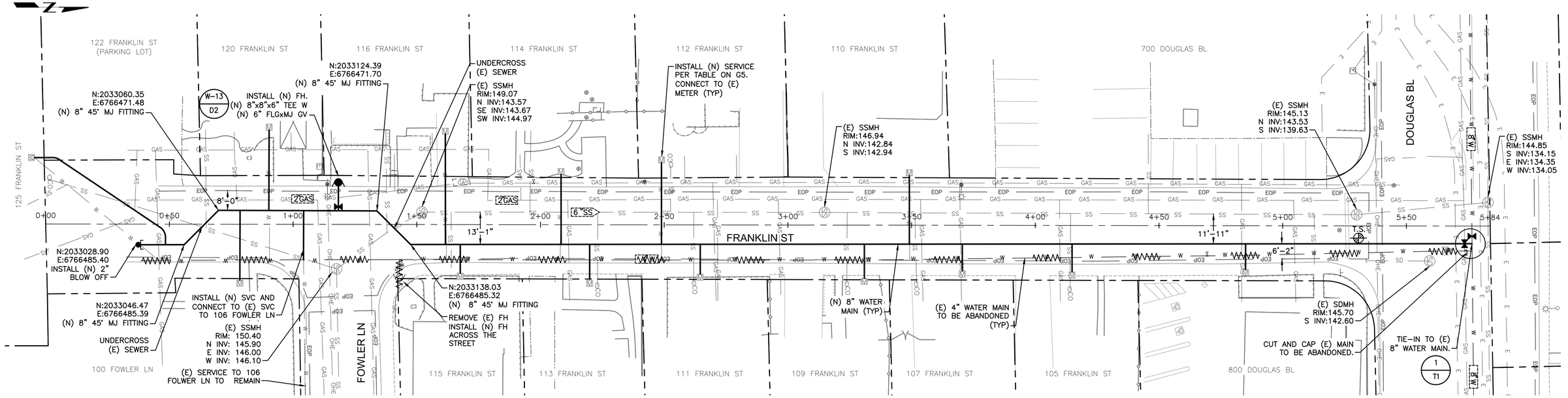
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DOMENICHELLI NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

WATER SERVICE CONNECTION TABLE 2

DWG. NO. G6

SHEET 6 OF 58



FRANKLIN ST

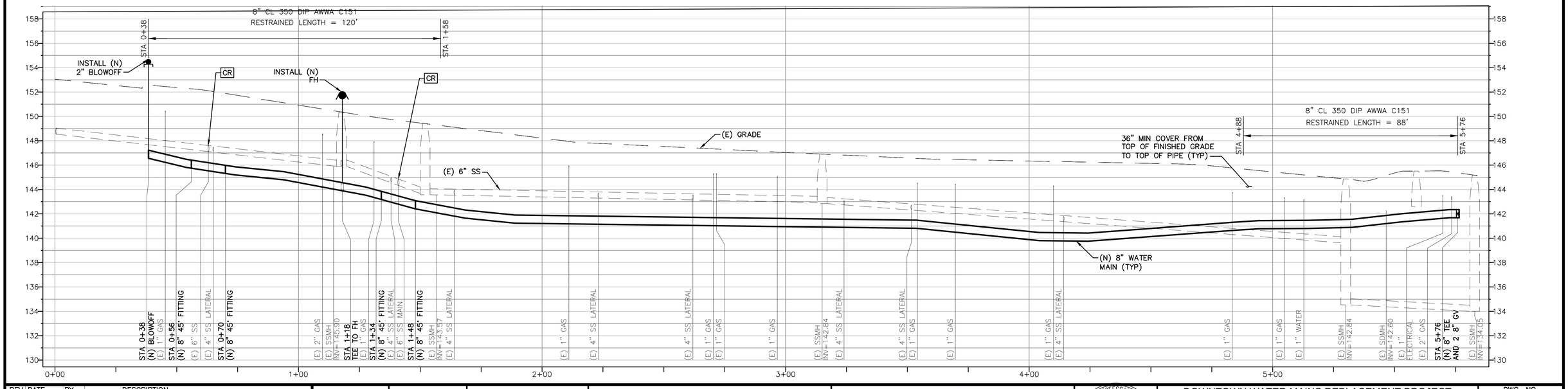
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REV | DATE | BY | DESCRIPTION

SCALE:
HORZ 1"=20'
VERT 1"=4'

WARNING
0 1/2 1
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DESIGNED T. DUGAN
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CHECKED S. ROGERS

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ROSEVILLE, CA 95747 PHONE: 916-774-5750

REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

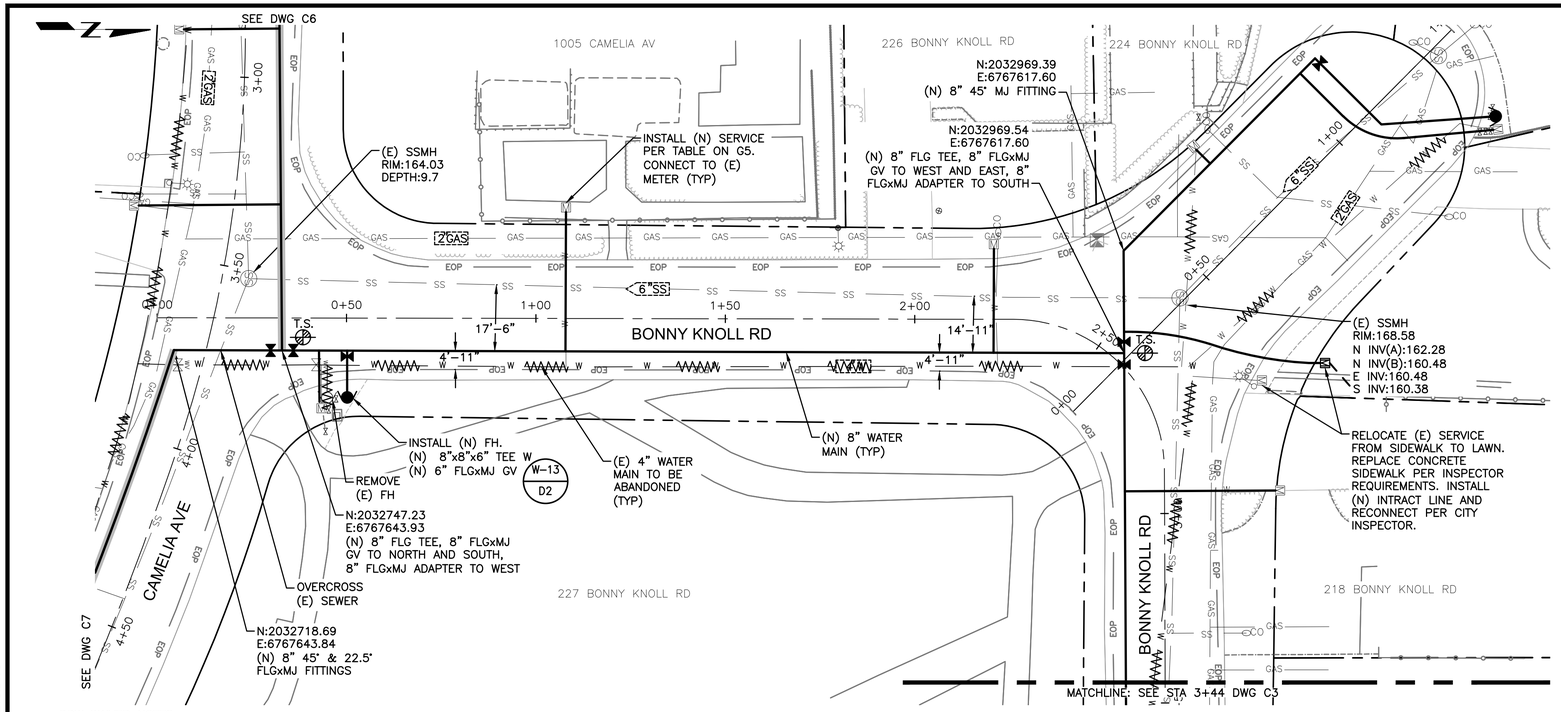
DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

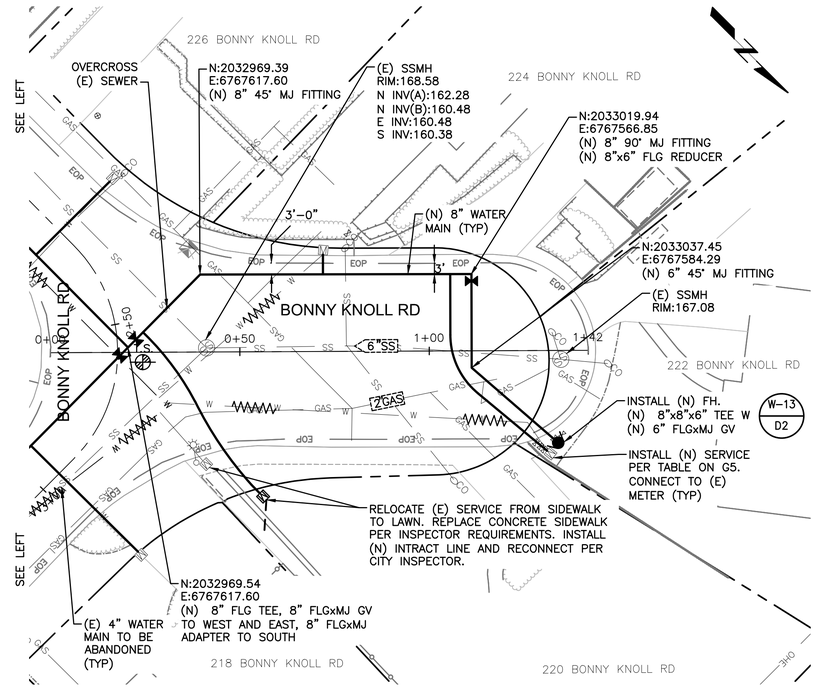
FRANKLIN ST PLAN AND PROFILE
STA 0+00 TO 5+84

DWG. NO. C1
SHEET 7 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST

20201013.110636





BONNY KNOLL RD

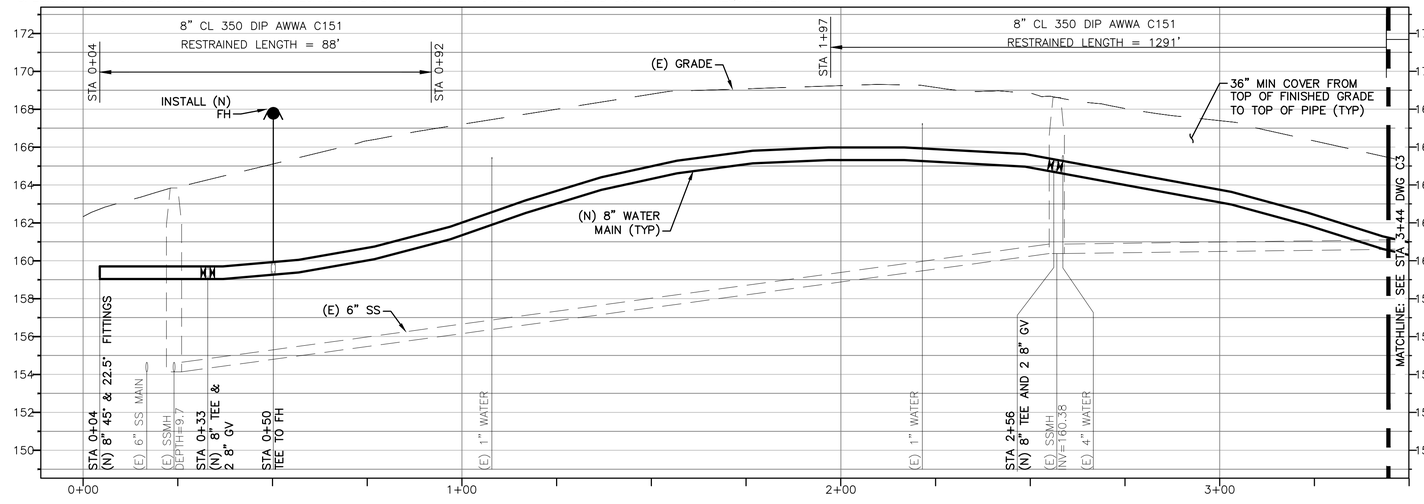
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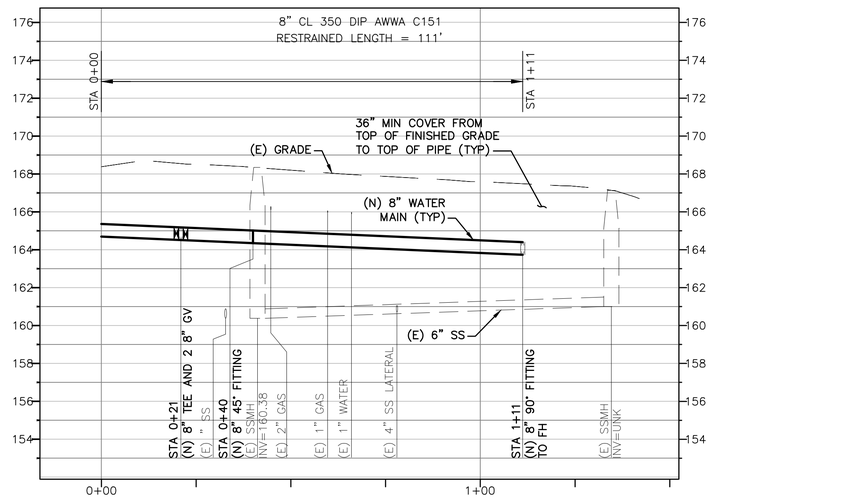
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DESIGNED T. DUGAN
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CHECKED S. ROGERS

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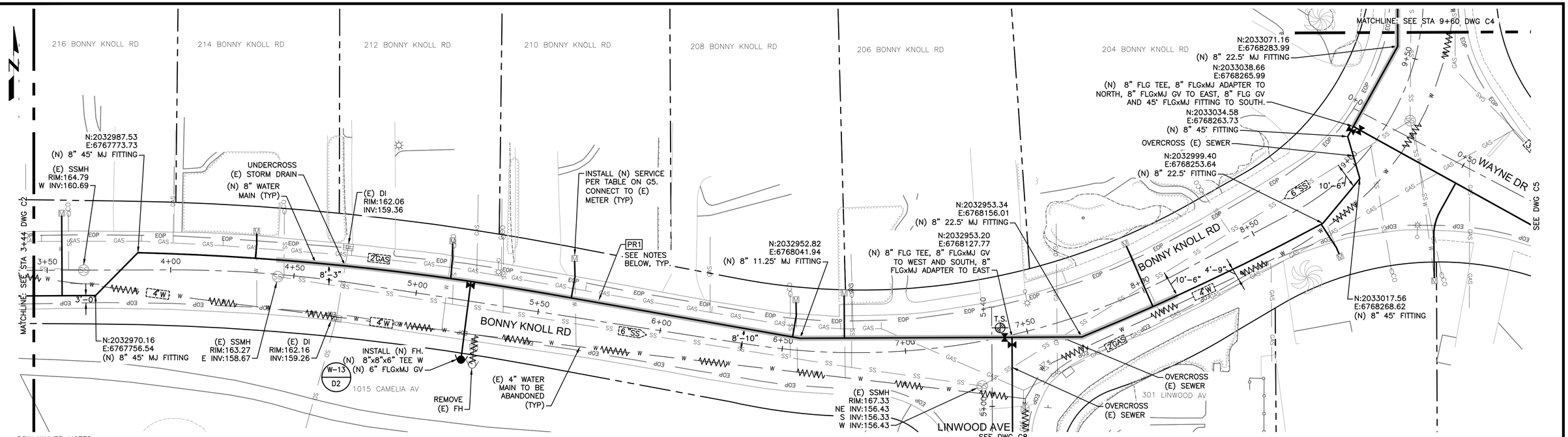
REGISTERED PROFESSIONAL ENGINEER – THOMAS M. DEER – NO. C68171 Exp. 9/30/21 – CIVIL – STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

BONNY KNOLL RD PLAN AND PROFILE
STA 0+00 TO 3+44 / STA 0+00 TO 1+42

DWG. NO. C2
SHEET 8 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



BONNY KNOLL RD

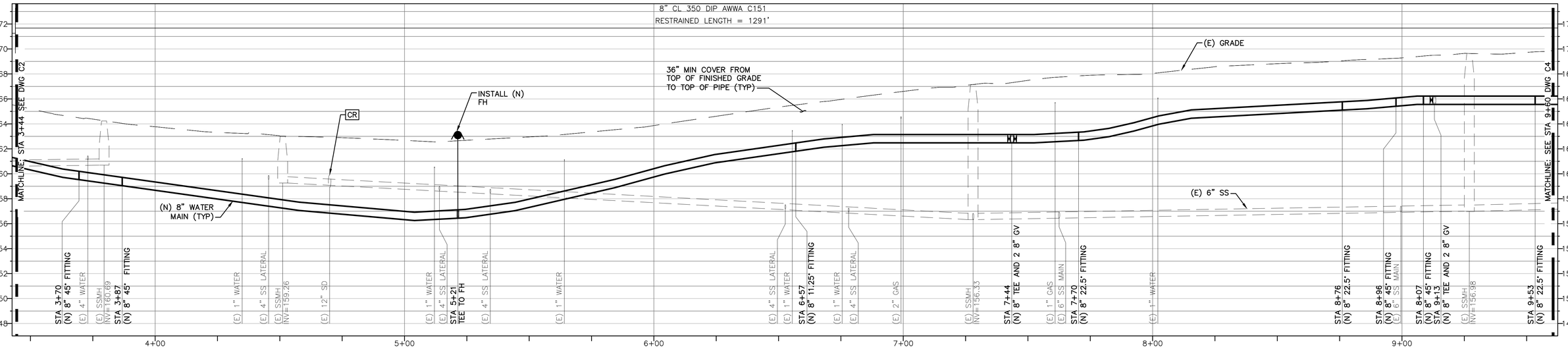
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0 1/2 1
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CHECKED S. ROGERS

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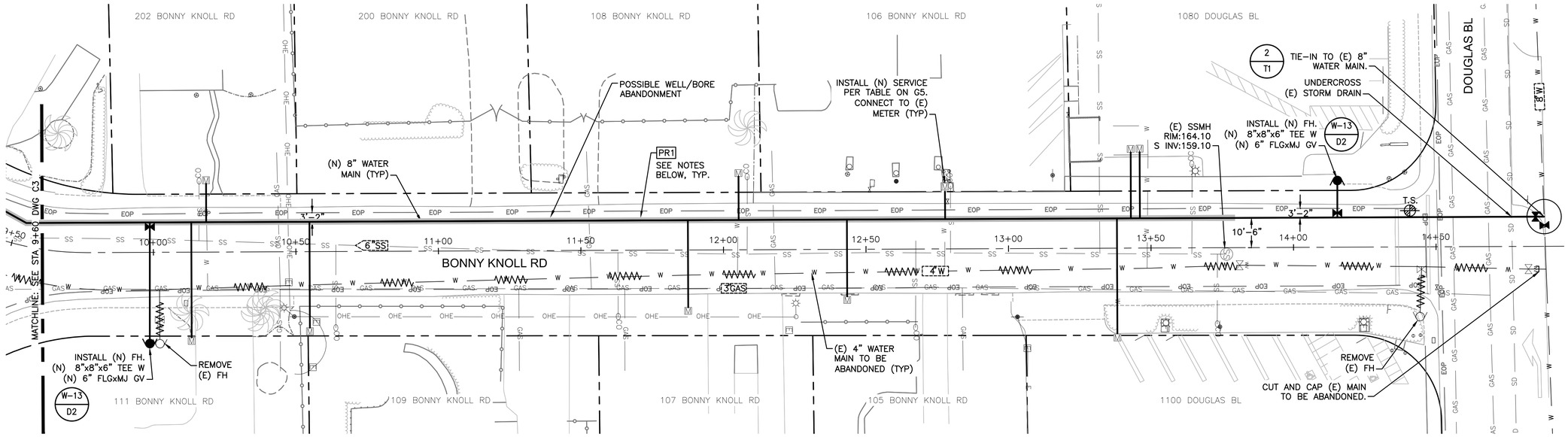
REGISTERED PROFESSIONAL ENGINEER
THOMAS M. LUTH
NO. C68171
Exp. 9/30/21
CIVIL
STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

BONNY KNOLL RD PLAN AND PROFILE
STA 3+44 TO 9+60

DWG. NO. C3
SHEET 9 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



BONNY KNOLL RD

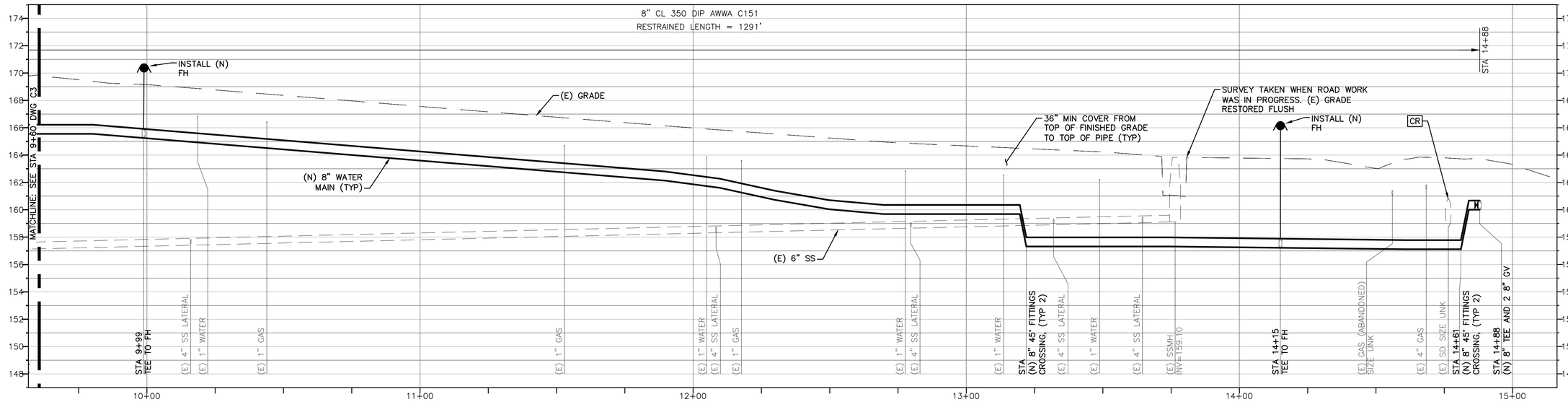
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	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION
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DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

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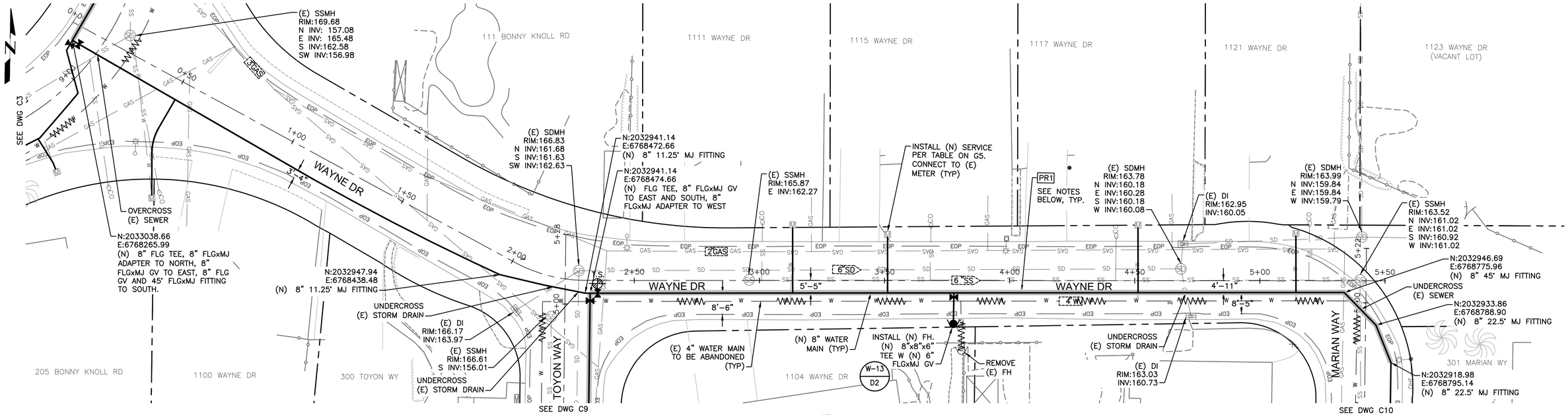
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

BONNY KNOLL RD PLAN AND PROFILE
STA 9+60 TO 15+14

DWG. NO. C4
SHEET 10 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



WAYNE DR

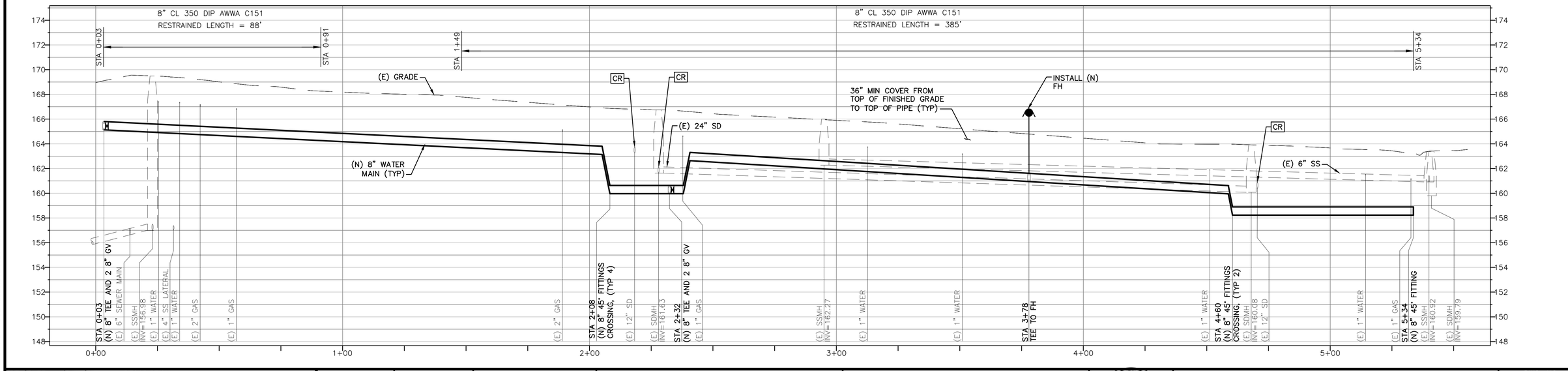
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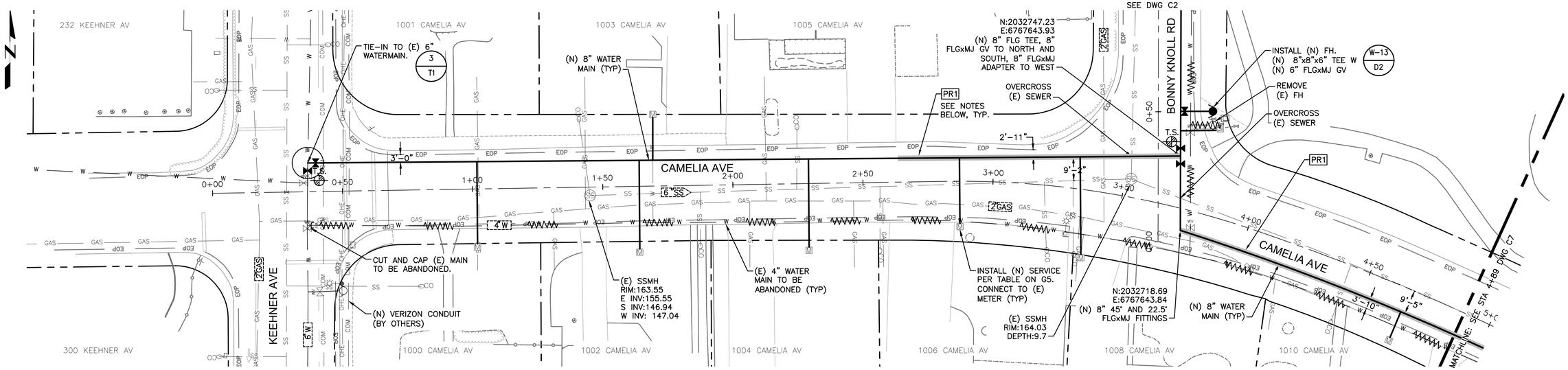
REGISTERED PROFESSIONAL ENGINEER
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CIVIL
STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

WAYNE DR PLAN AND PROFILE
STA 0+00 TO 5+50

DWG. NO. C5
SHEET 11 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



CAMELIA AVE

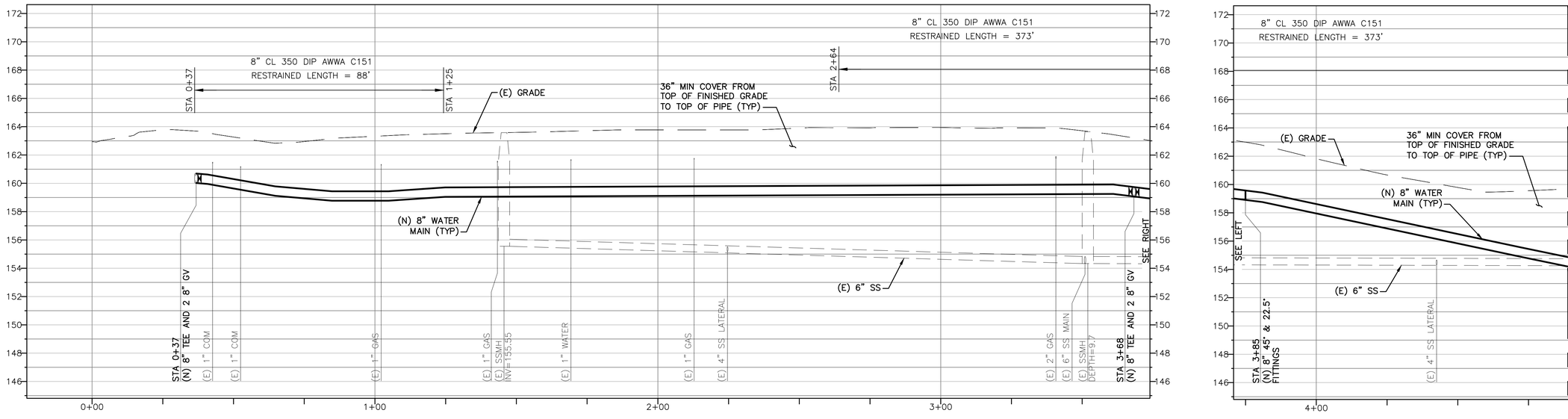
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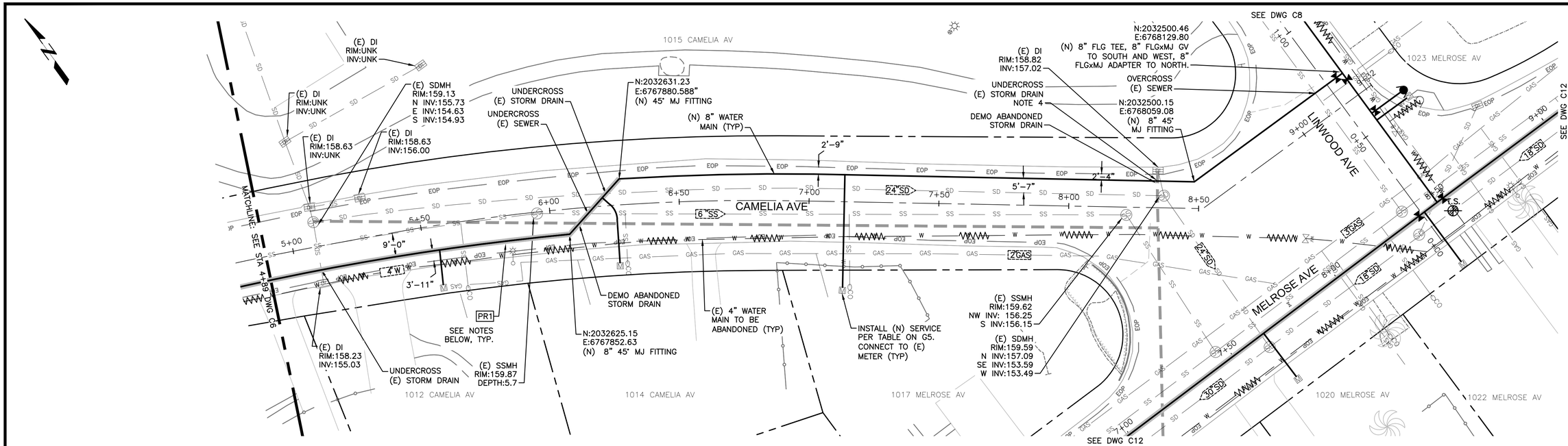
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

CAMELIA AVE PLAN AND PROFILE
STA 0+00 TO 4+89

DWG. NO. C6
SHEET 12 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST 20201013.110636



CAMELIA AVE

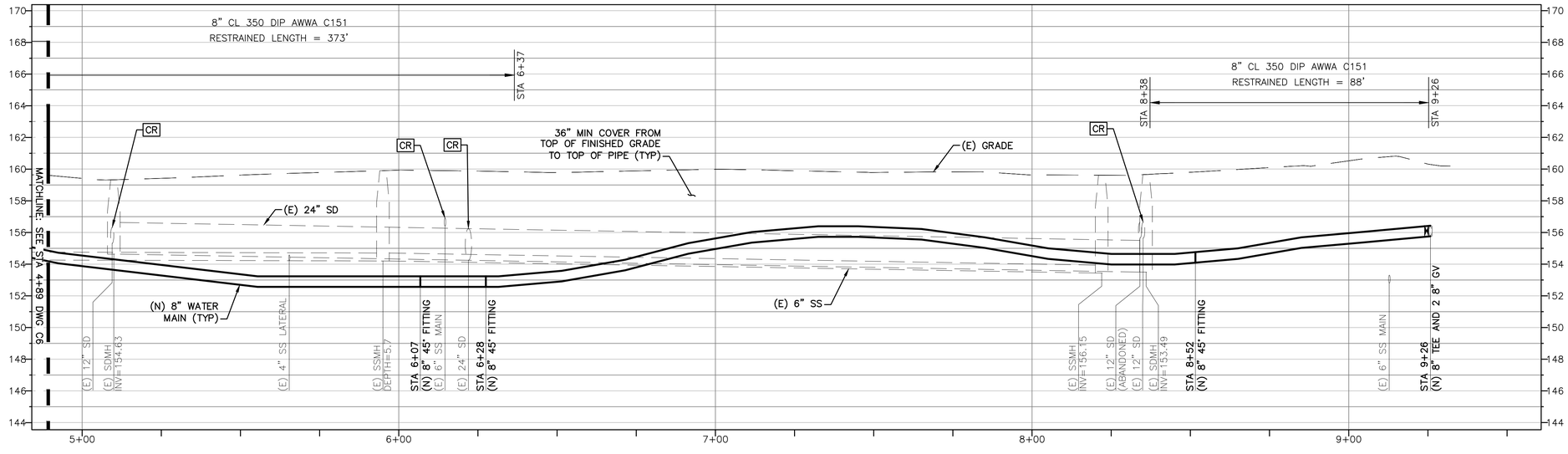
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4. CDF BACKFILL FOR THIS STORM DRAIN LATERAL CROSSING IS REQUIRED AROUND THE EXISTING STORM DRAIN PIPE AND WATER PIPE FOR THE FULL EXTENT OF THE EXISTING TRENCH ZONE WIDTH.



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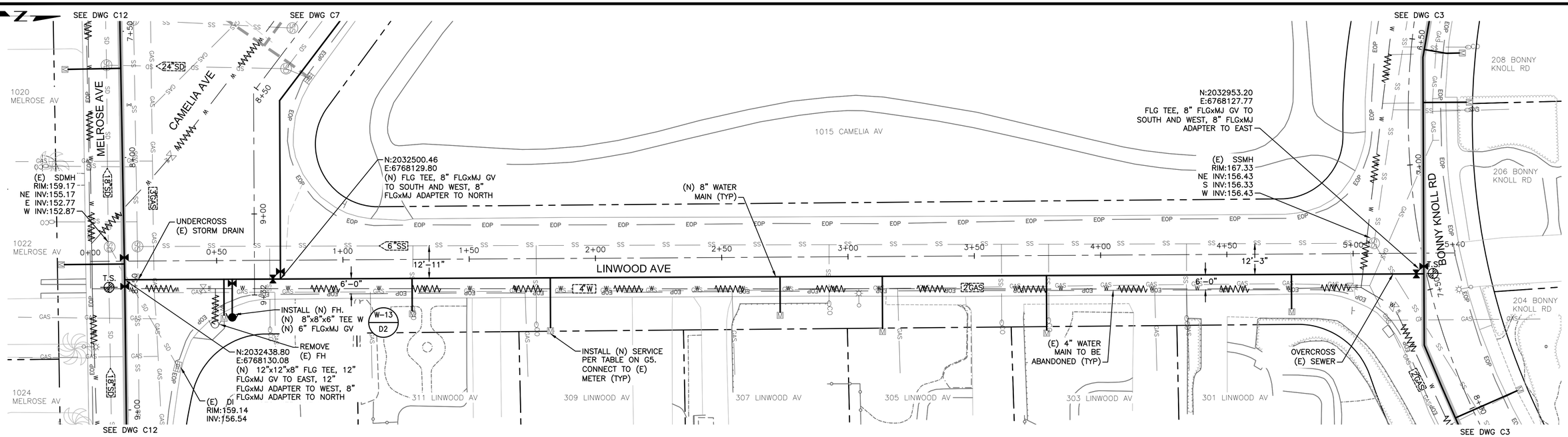
REGISTERED PROFESSIONAL ENGINEER
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DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

CAMELIA AVE PLAN AND PROFILE
STA 4+89 TO 9+58

DWG. NO. C7
SHEET 13 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
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LINWOOD AVE

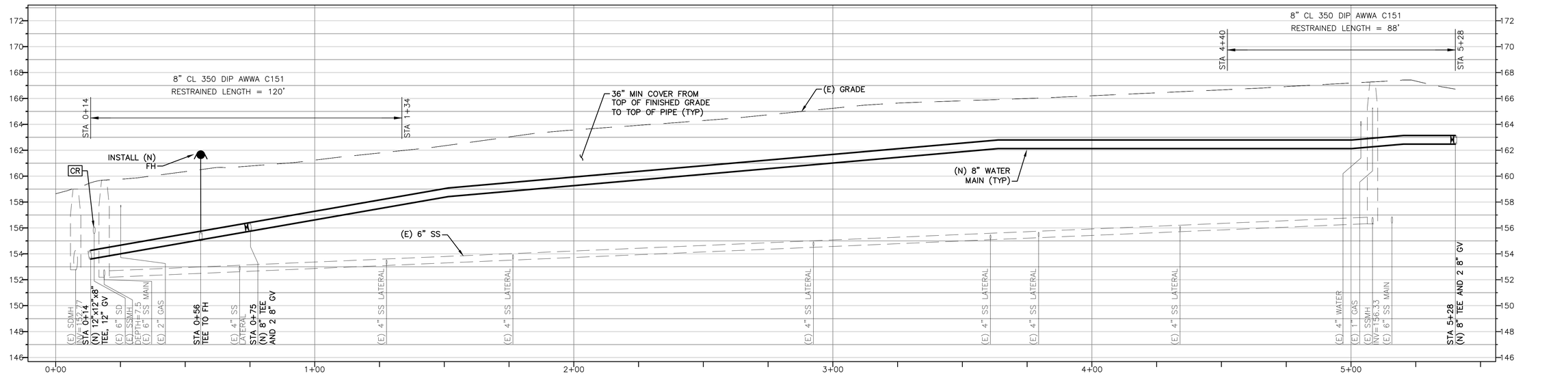
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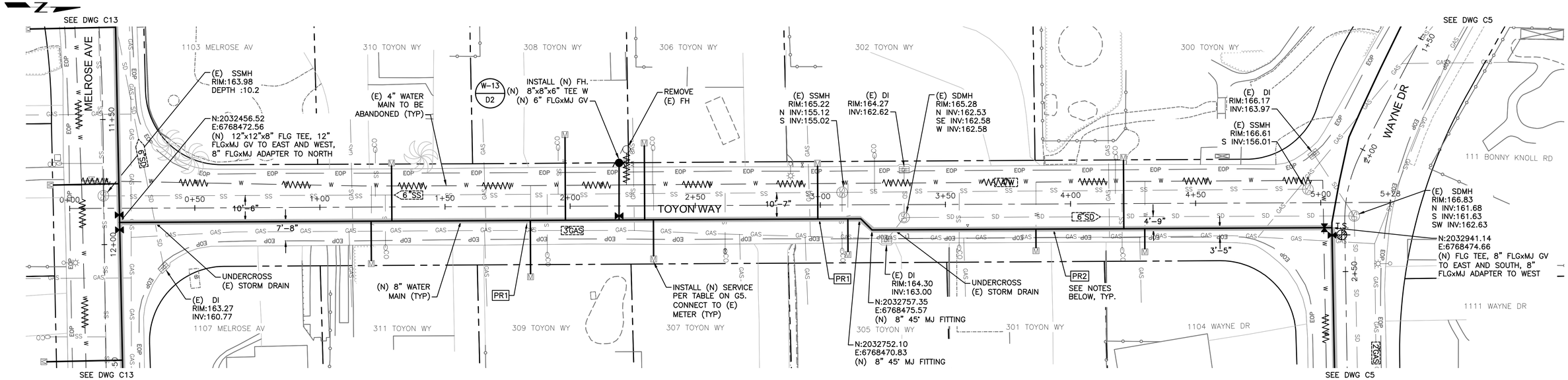
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DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

LINWOOD AVE PLAN AND PROFILE
STA 0+00 TO 5+40

DWG. NO. C8
SHEET 14 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
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TOYON WAY

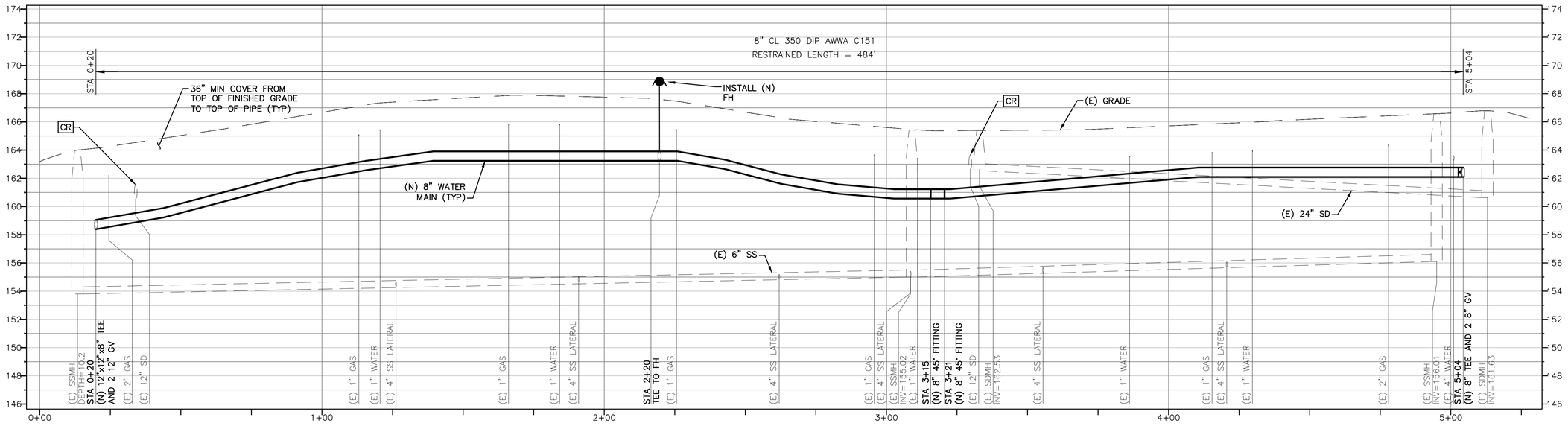
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WARNING
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DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

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CITY OF ROSEVILLE CALIFORNIA
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ROSEVILLE, CA 95747 PHONE: 916-774-5750

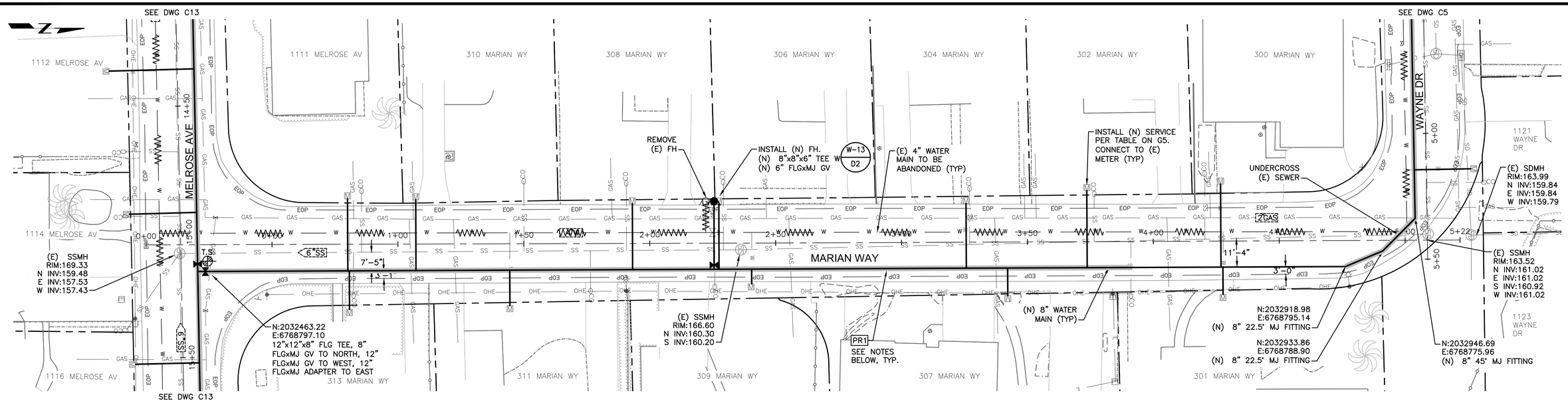
REGISTERED PROFESSIONAL ENGINEER THOMAS M. [illegible] NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

TOYON WAY PLAN AND PROFILE
STA 0+00 TO 5+28

DWG. NO. C9
SHEET 15 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



MARIAN WAY

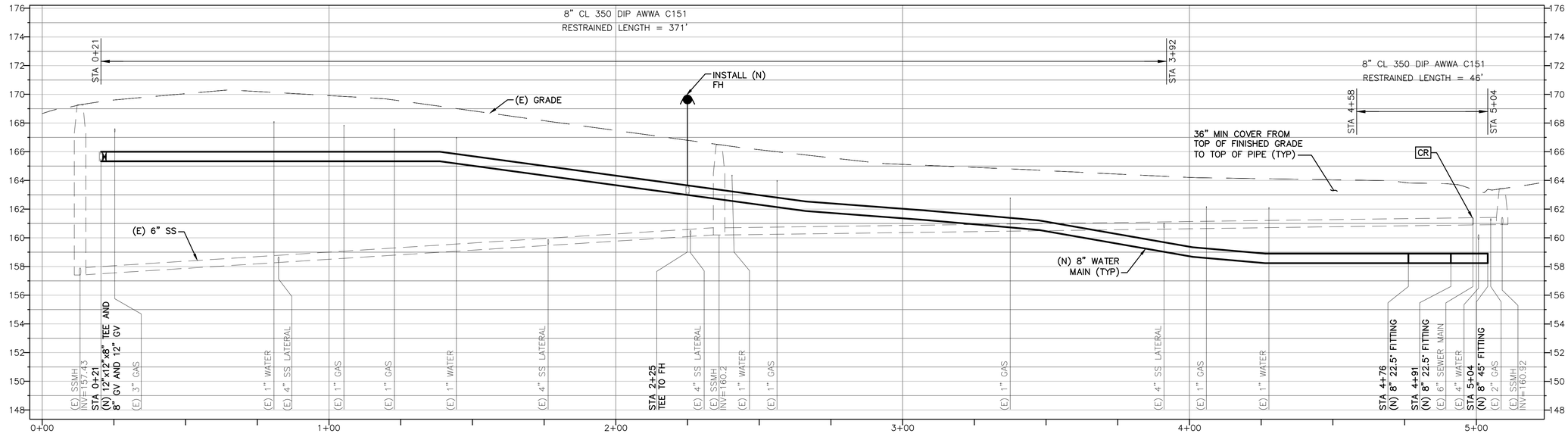
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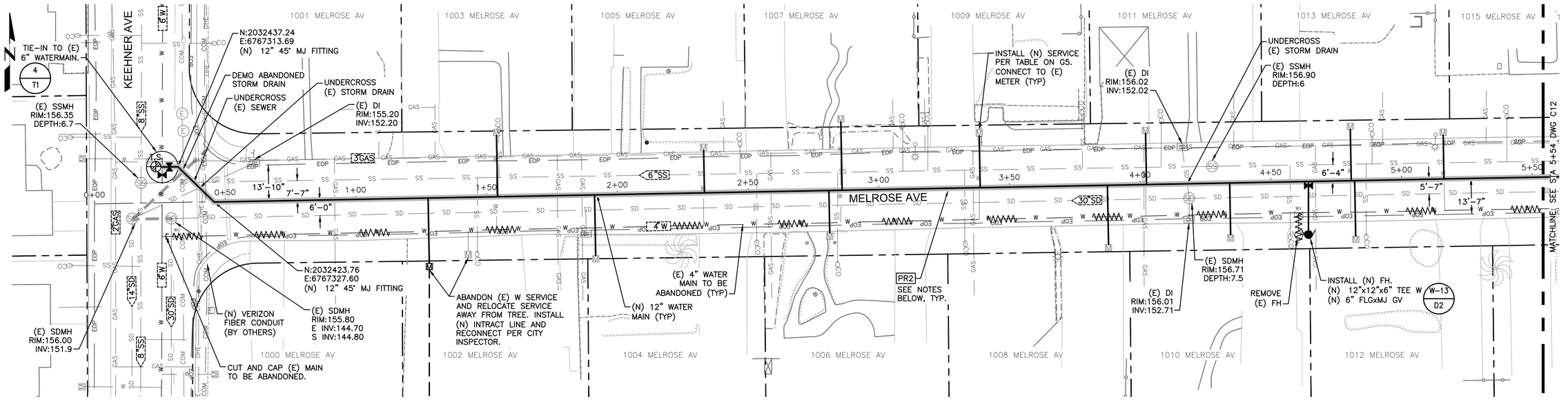
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

MARIAN WAY PLAN AND PROFILE
STA 0+00 TO 5+22

DWG. NO. C10
SHEET 16 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST 20201013.110636



MELROSE AVE

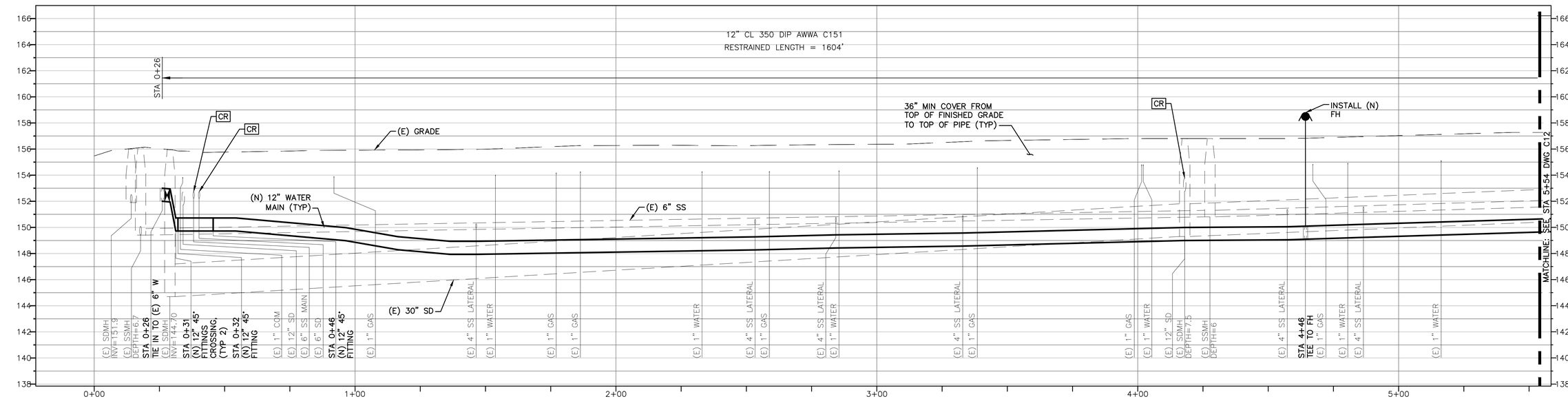
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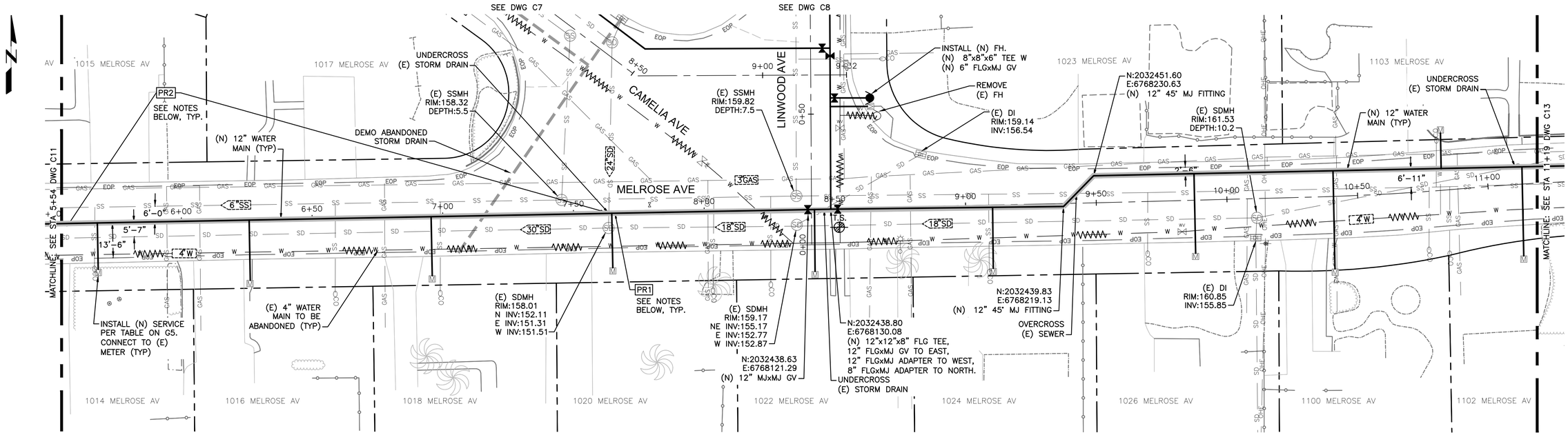
DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

MELROSE AVE PLAN AND PROFILE
STA 0+00 TO 5+54

DWG. NO. C11
SHEET 17 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG

20201013.110636



MELROSE AVE

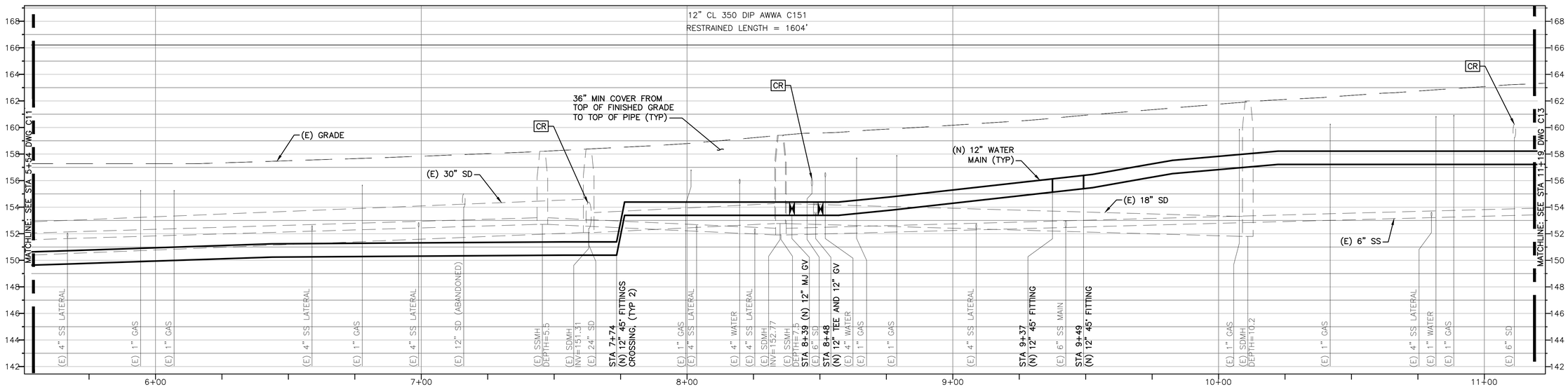
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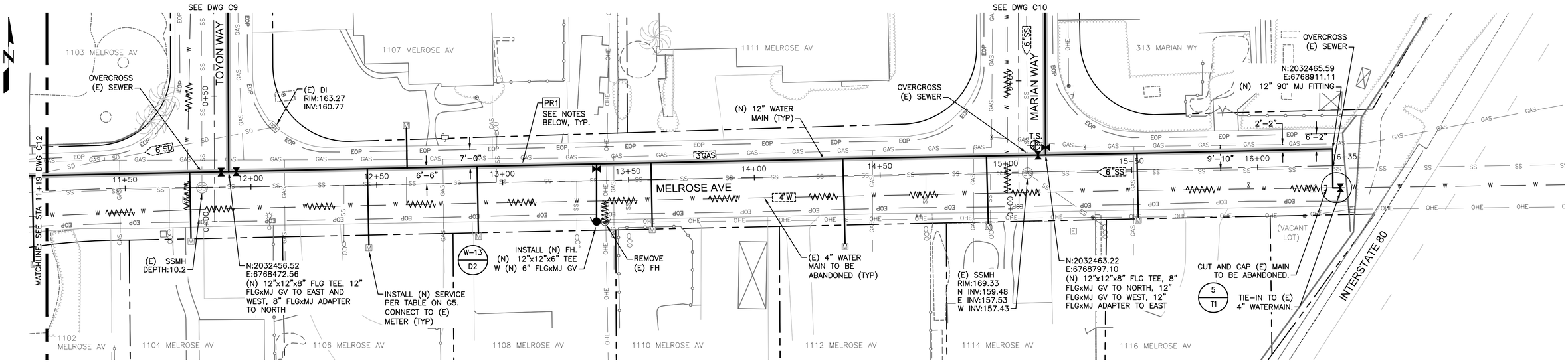
REGISTERED PROFESSIONAL ENGINEER
THOMAS M. DUGAN JR.
NO. C68171
Exp. 9/30/21
CIVIL
STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

MELROSE AVE PLAN AND PROFILE
STA 5+54 TO 11+19

DWG. NO. C12
SHEET 18 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



MELROSE AVE

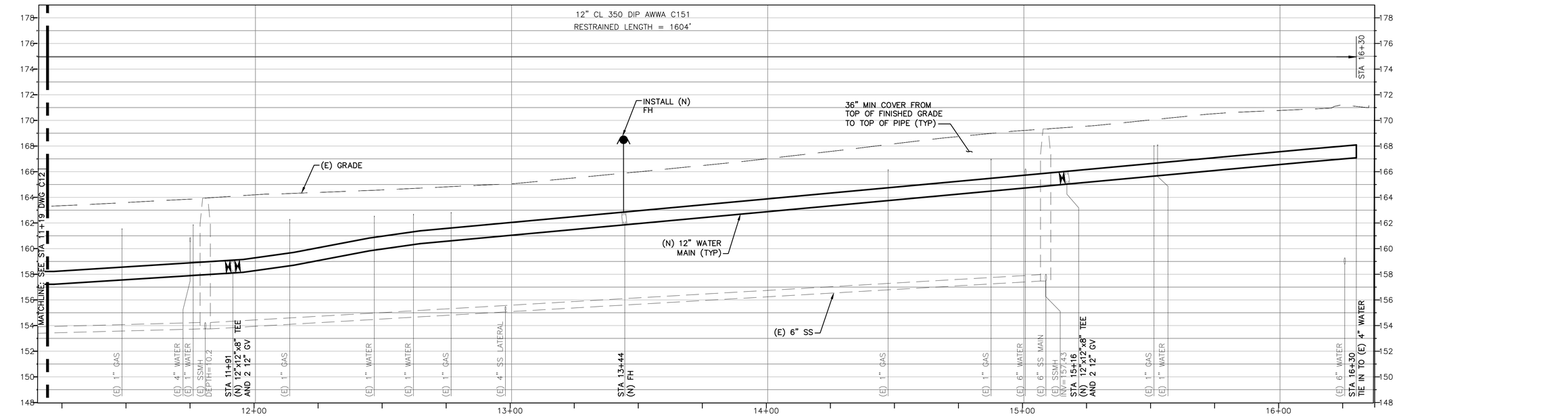
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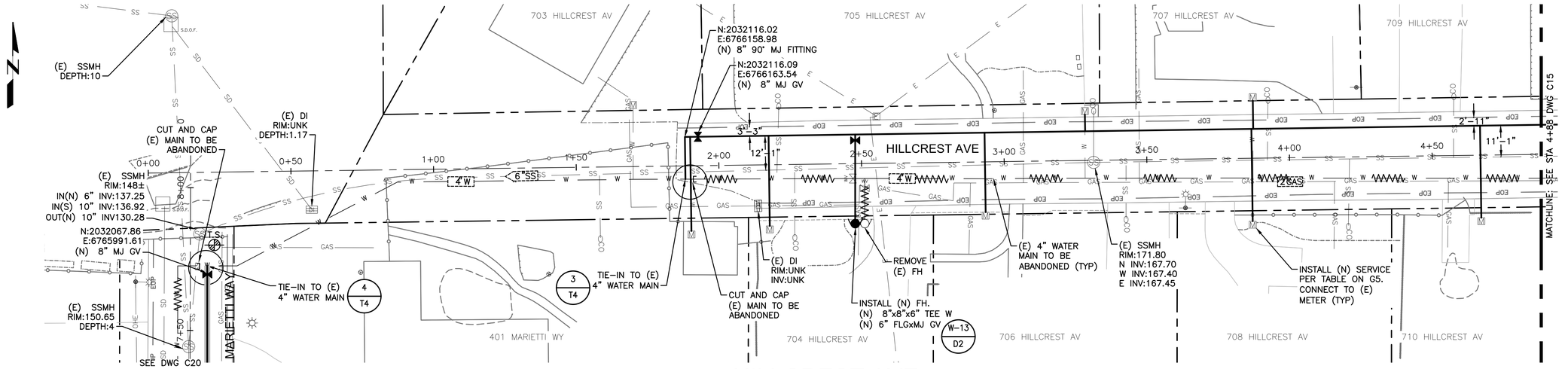
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

MELROSE AVE PLAN AND PROFILE
STA 11+19 TO 16+35

DWG. NO. C13
SHEET 19 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST - C SHEETS.DWG
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HILLCREST AVE

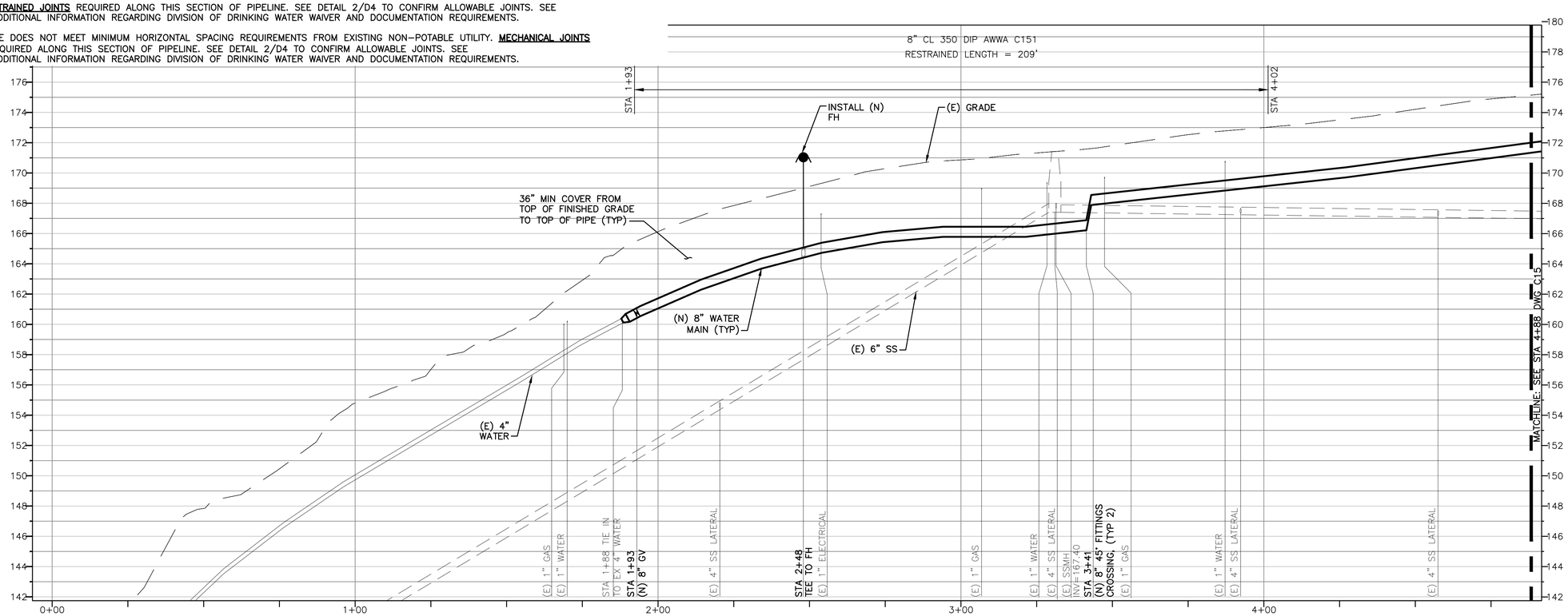
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5180 Golden Foothill Parkway Ste. 220
El Dorado Hills, CA 95762
Ph: (916) 933-1997
Fax: (916) 933-4778

CITY OF ROSEVILLE CALIFORNIA
2005 HILLTOP CIRCLE
ROSEVILLE, CA 95747 PHONE: 916-774-5750

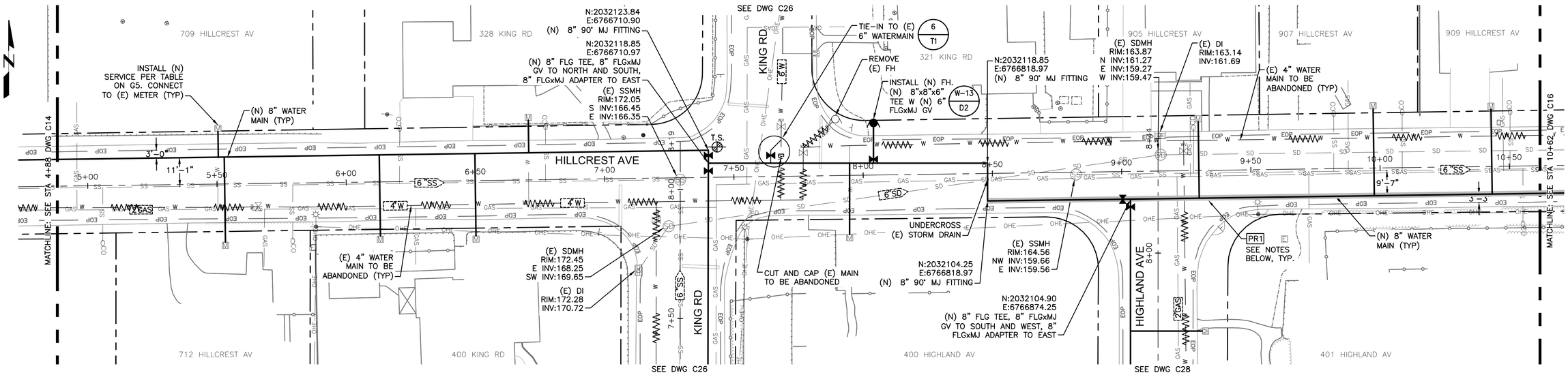
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

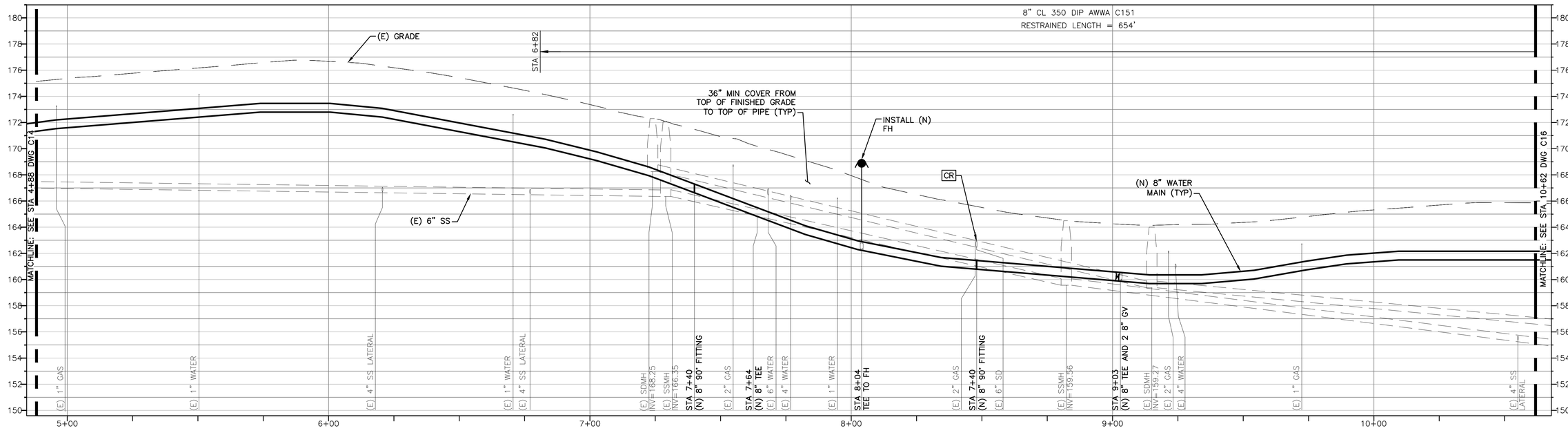
DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

HILLCREST AVE PLAN AND PROFILE
STA 0+00 TO 4+88

DWG. NO. C14
SHEET 20 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636





HILLCREST AVE

DDW WAIVER NOTES:
CONTRACTOR IS MADE AWARE THE PROJECT HAS RECEIVED A WAIVER FROM THE STATE WATER RESOURCES CONTROL BOARD DIVISION OF DRINKING WATER (DDW). CONTRACTOR MUST REVIEW THE WAIVER AND ALL ASSOCIATED REQUIREMENTS INCLUDED WITHIN THE SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL POTHOLING NECESSARY TO CONFIRM THE HORIZONTAL AND VERTICAL DISTANCES BETWEEN THE NEW WATER PIPELINE AND THE EXISTING STORM DRAIN AND SEWER FACILITIES. CONTRACTOR IS RESPONSIBLE TO PROVIDE DOCUMENTATION AT ALL DDW WAIVER LOCATIONS INCLUDING PHOTOGRAPHS AND MEASUREMENTS REQUIRED TO DEMONSTRATE COMPLIANCE WITH THE APPROVED WAIVER (SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION). SEE NOTES BELOW RELATED TO WAIVER LOCATIONS IDENTIFIED BASED ON UTILITY INFORMATION GATHERED DURING DESIGN. ALL LOCATIONS MUST BE FIELD VERIFIED BY THE CONTRACTOR.

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REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

REV | DATE | BY | DESCRIPTION

SCALE:
HORZ 1"=20'
VERT 1"=4'

WARNING
0 1/2 1
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DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

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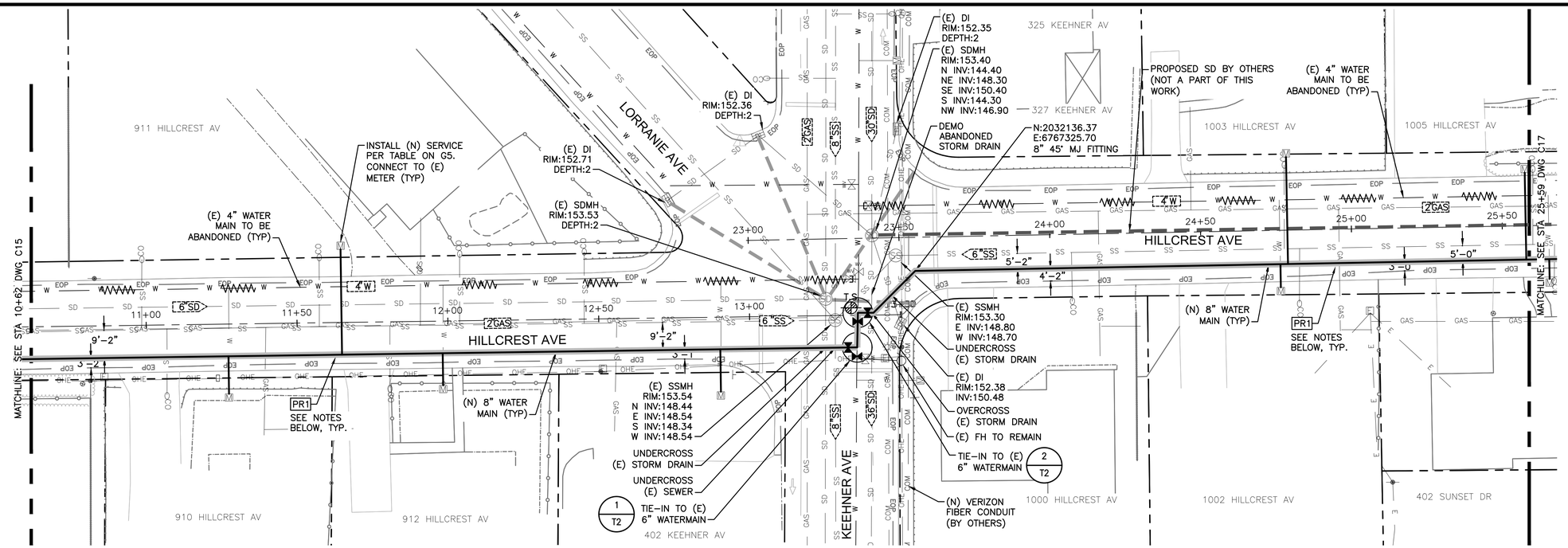
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

HILLCREST AVE PLAN AND PROFILE
STA 4+88 TO 10+62

DWG. NO. C15
SHEET 21 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



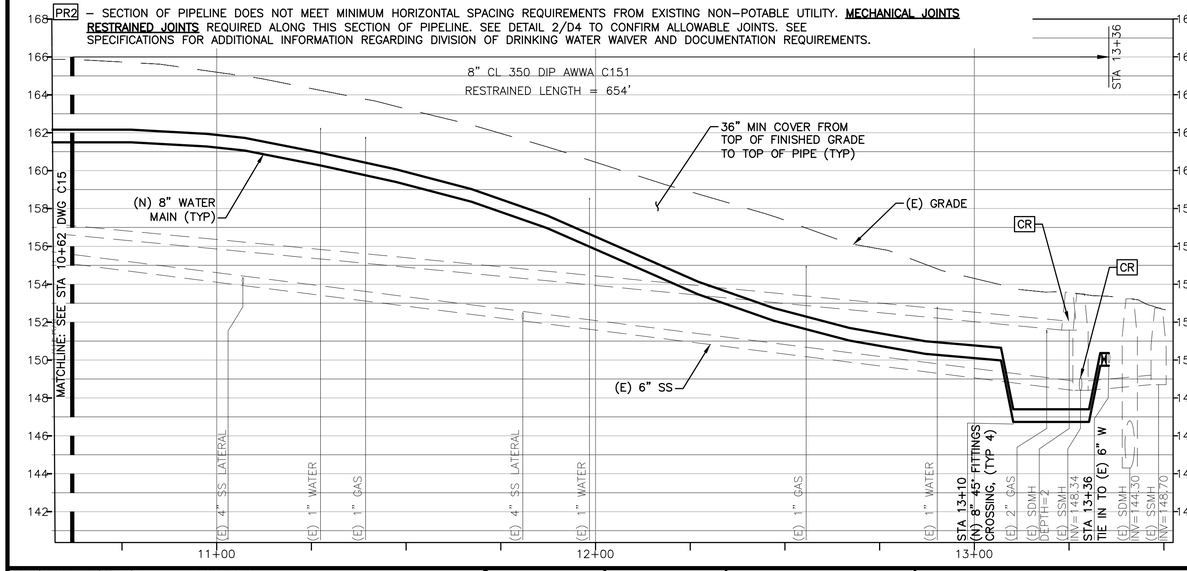
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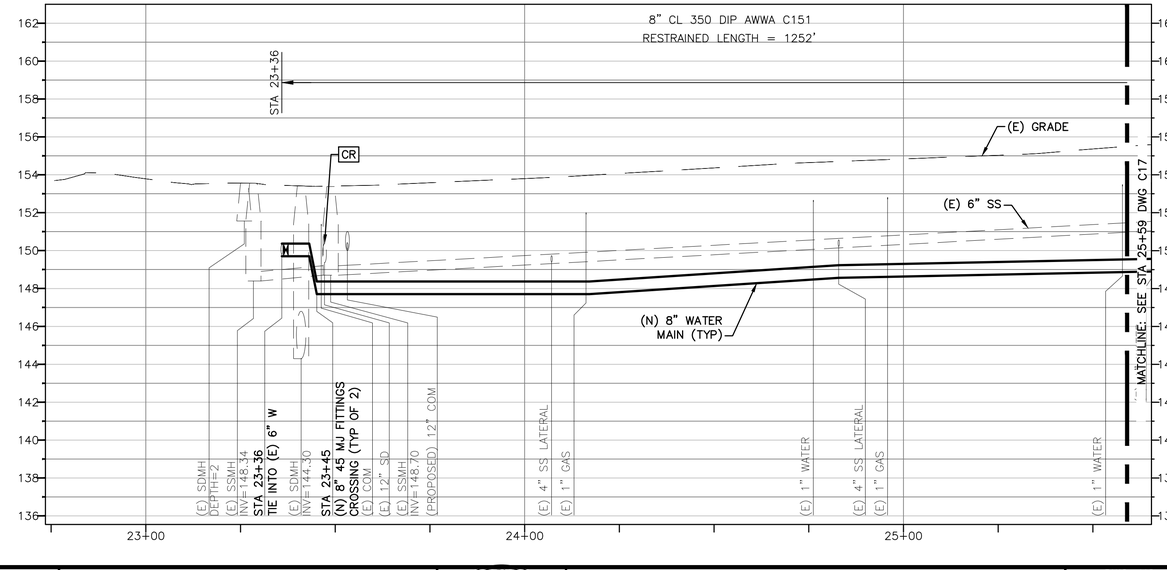
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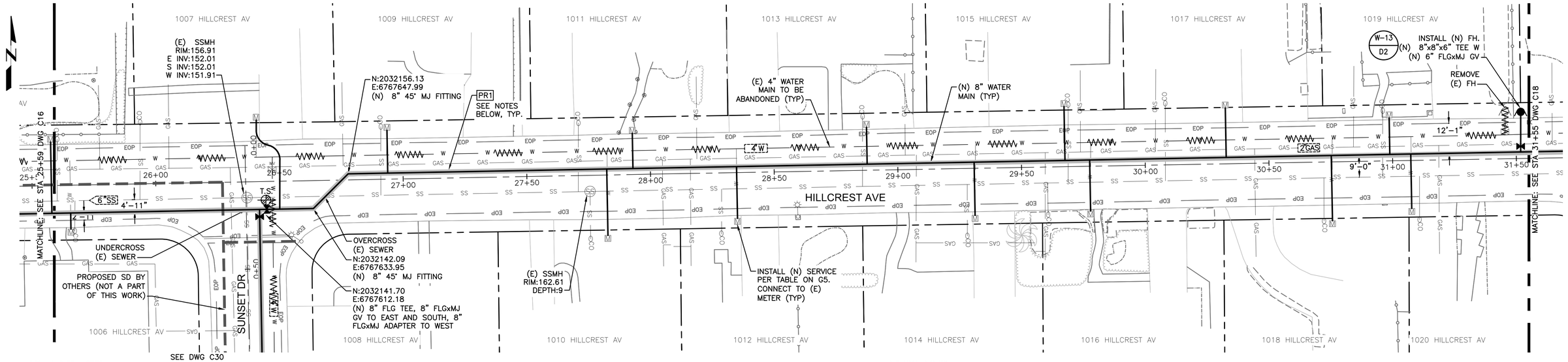
REGISTERED PROFESSIONAL ENGINEER THOMAS M. [illegible] NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

HILLCREST AVE PLAN AND PROFILE
STA 10+62 TO 13+50 / STA 23+00 TO 25+59

DWG. NO. C16
SHEET 22 OF 58

Z:\CITY OF ROSEVILLE\IRSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\IRSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



HILLCREST AVE

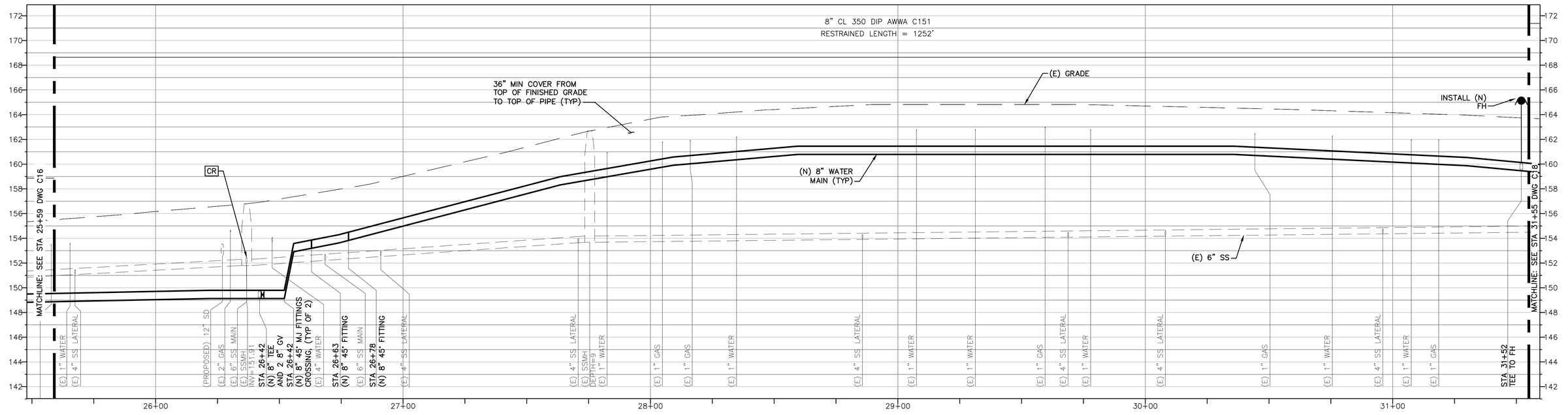
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DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
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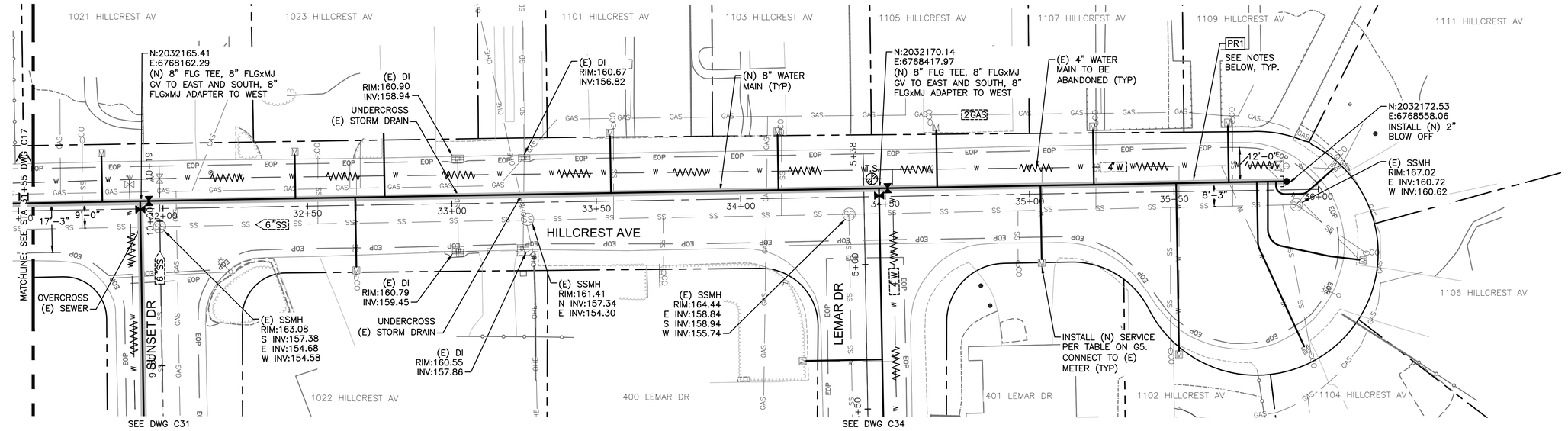
REGISTERED PROFESSIONAL ENGINEER – THOMAS M. DUGAN – NO. C68171 Exp. 9/30/21 – CIVIL – STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

HILLCREST AVE PLAN AND PROFILE
STA 25+59 TO 31+55

DWG. NO. C17
SHEET 23 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



HILLCREST AVE

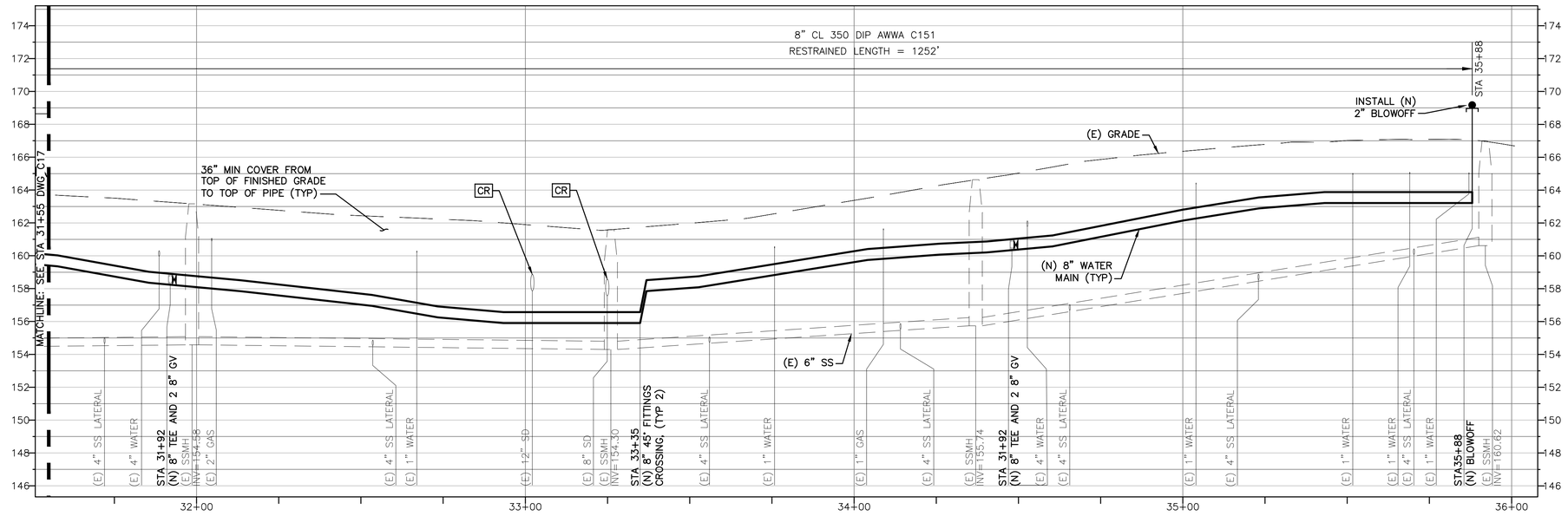
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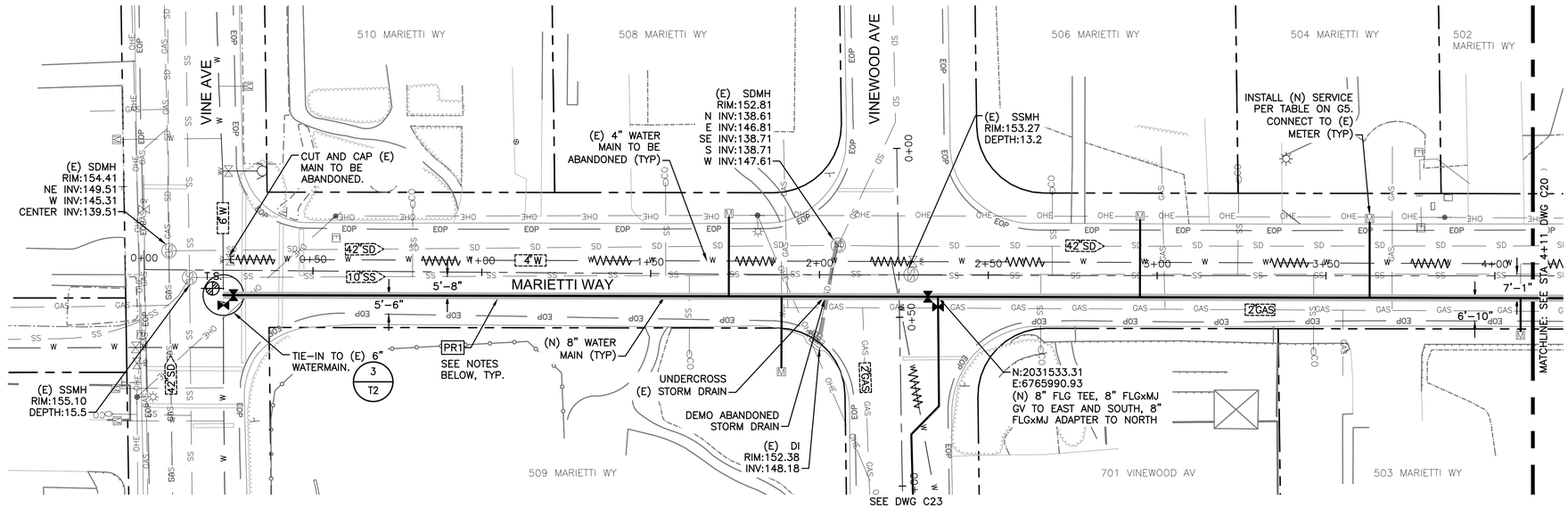
REGISTERED PROFESSIONAL ENGINEER
TIMOTHY M. DUGAN
NO. C68171
Exp. 9/30/21
CIVIL
STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

HILLCREST AVE PLAN AND PROFILE
STA 31+55 TO 36+00

DWG. NO. C18
SHEET 24 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
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MARIETTI WAY

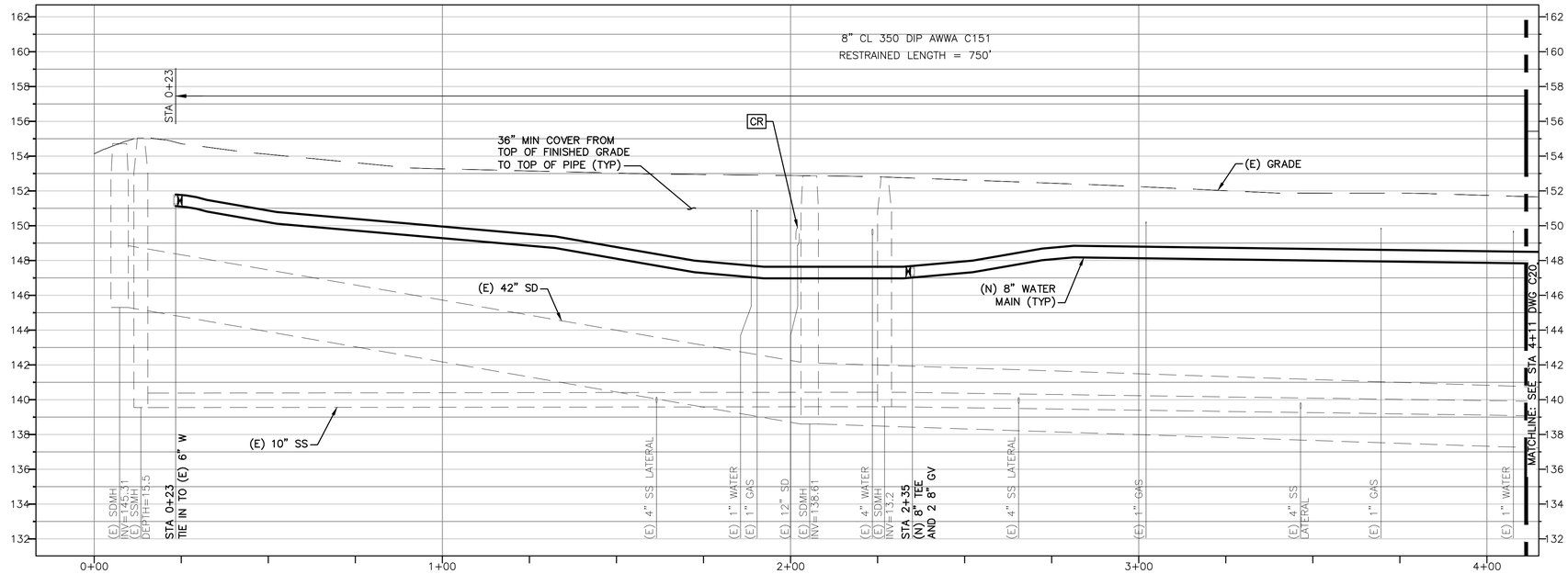
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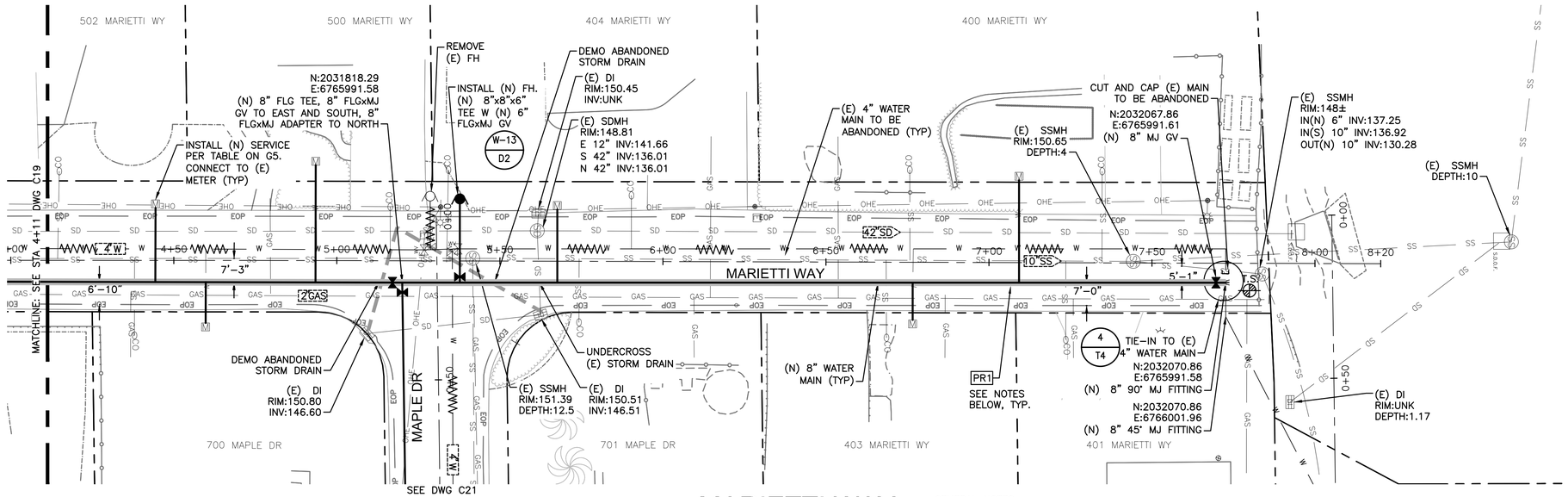
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

MARIETTI WAY PLAN AND PROFILE
STA 0+00 TO 4+11

DWG. NO. C19
SHEET 25 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



MARIETTI WAY

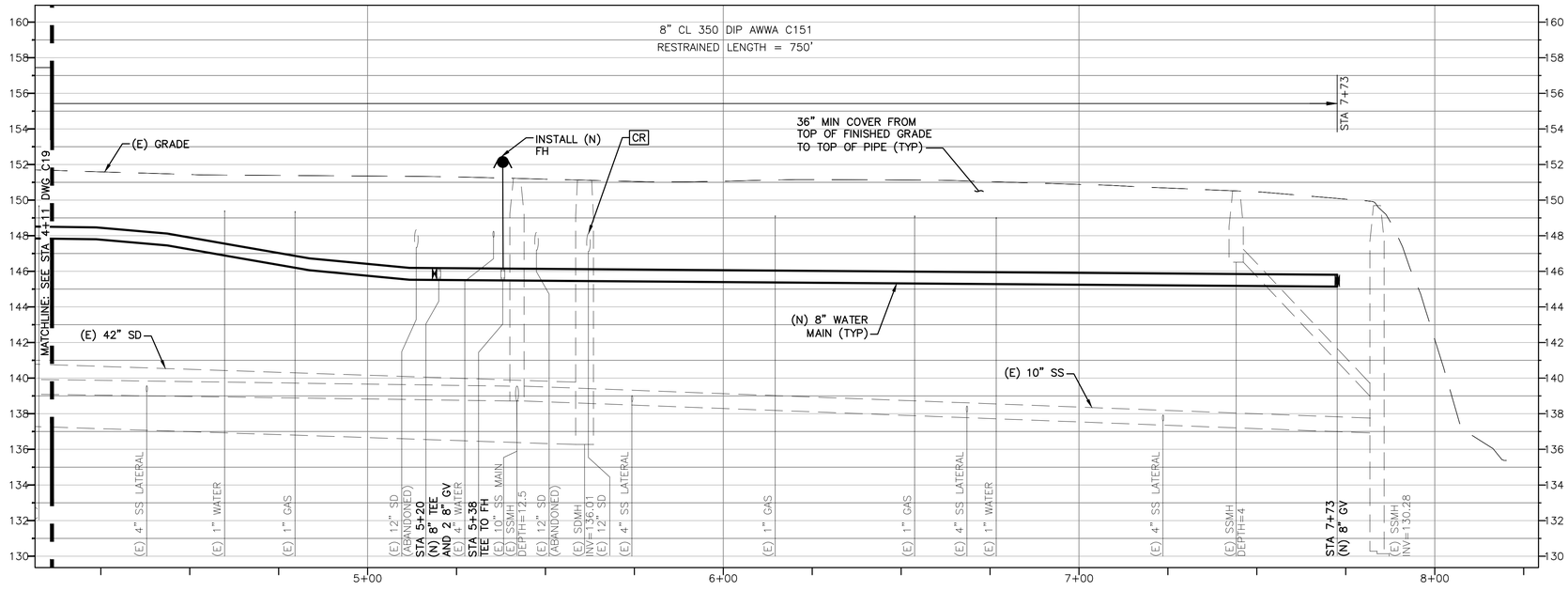
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	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION
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0 1/2 1
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CITY OF ROSEVILLE CALIFORNIA
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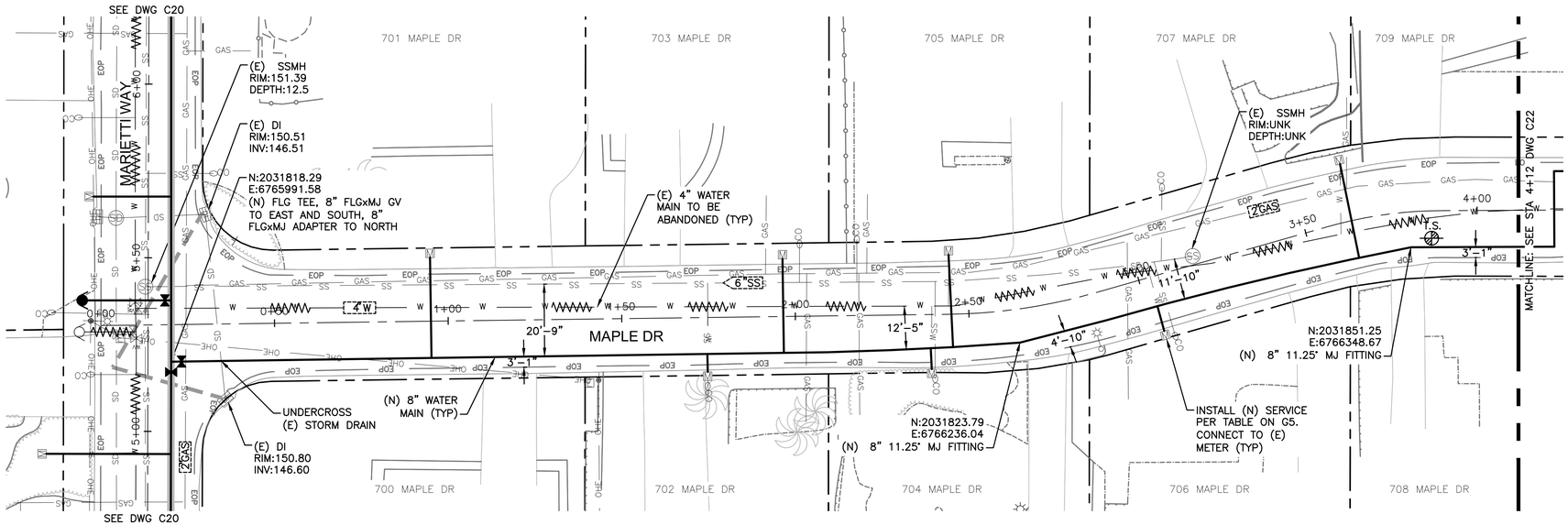
REGISTERED PROFESSIONAL ENGINEER THOMAS M. [illegible] NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

MARIETTI WAY PLAN AND PROFILE
STA 4+11 TO 8+20

DWG. NO. C20
SHEET 26 OF 58

Z:\CITY OF ROSEVILLE\IRSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\IRSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



MAPLE DR

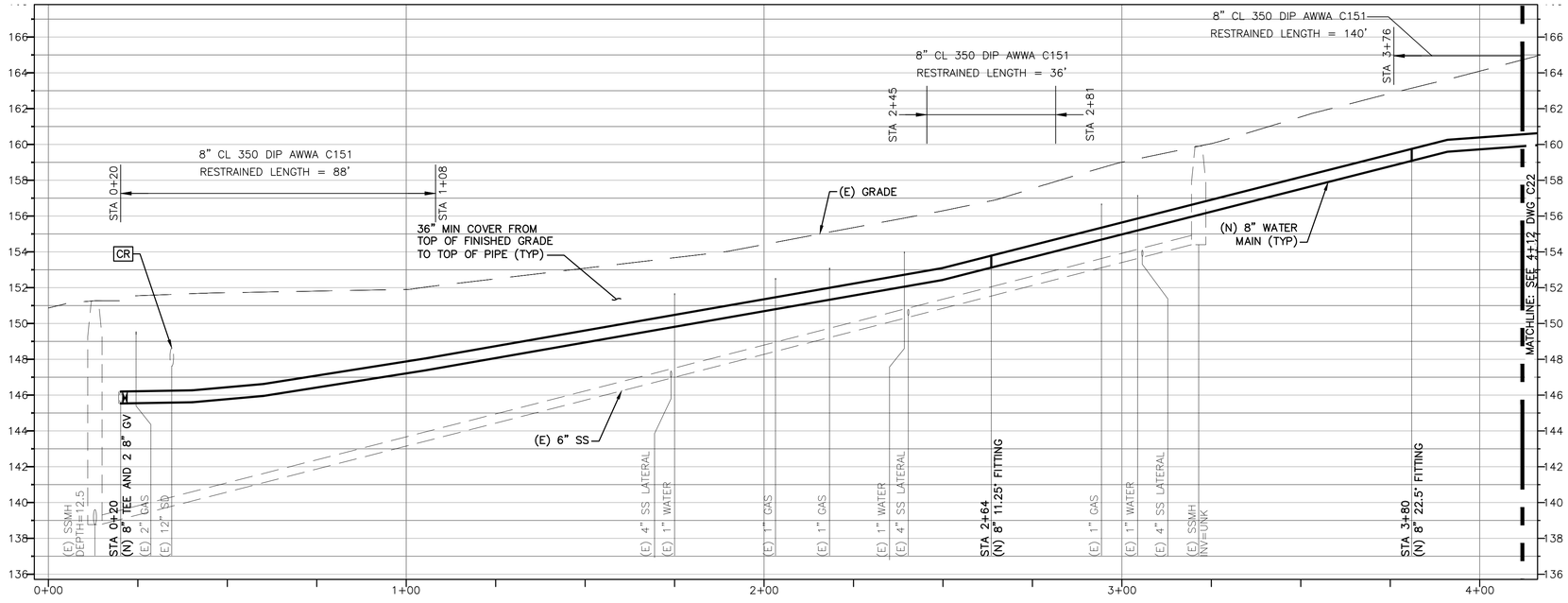
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REGISTERED PROFESSIONAL ENGINEER
THOMAS M. DOMENICHELLI
NO. C68171
Exp. 9/30/21
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STATE OF CALIFORNIA

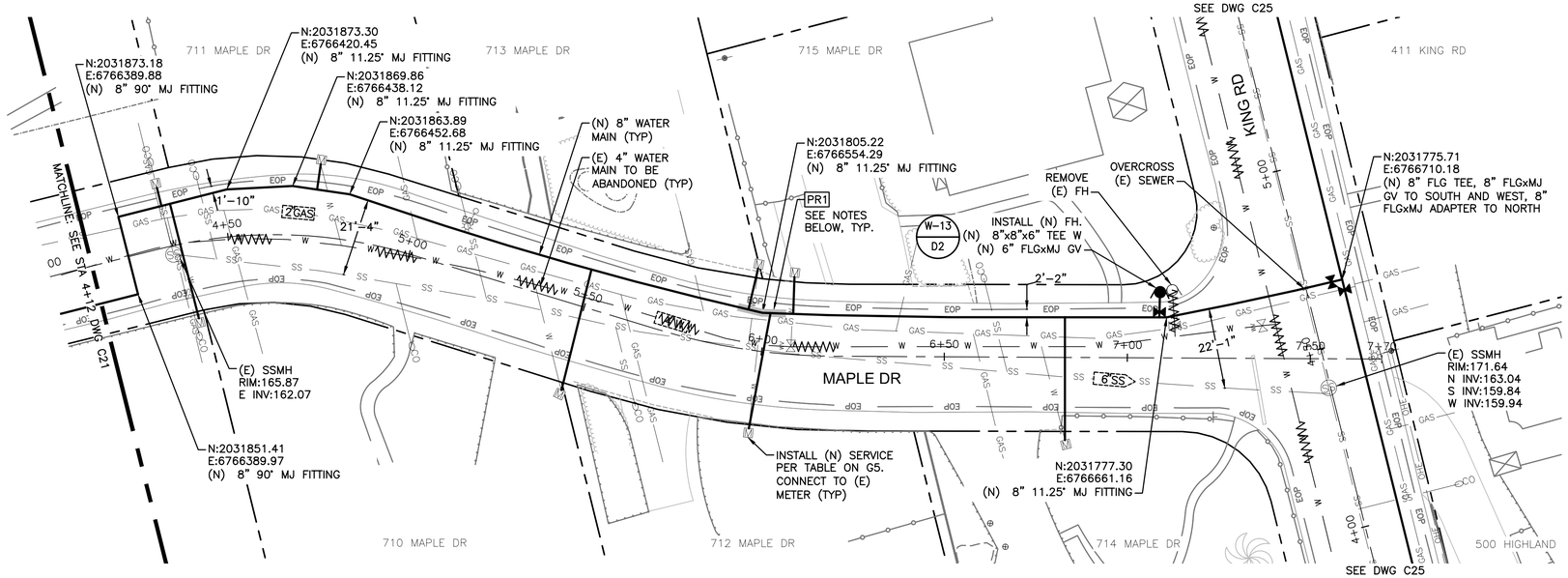
DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

MAPLE DR PLAN AND PROFILE
STA 0+00 TO 4+12

DWG. NO. C21
SHEET 27 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG

20201013.110636



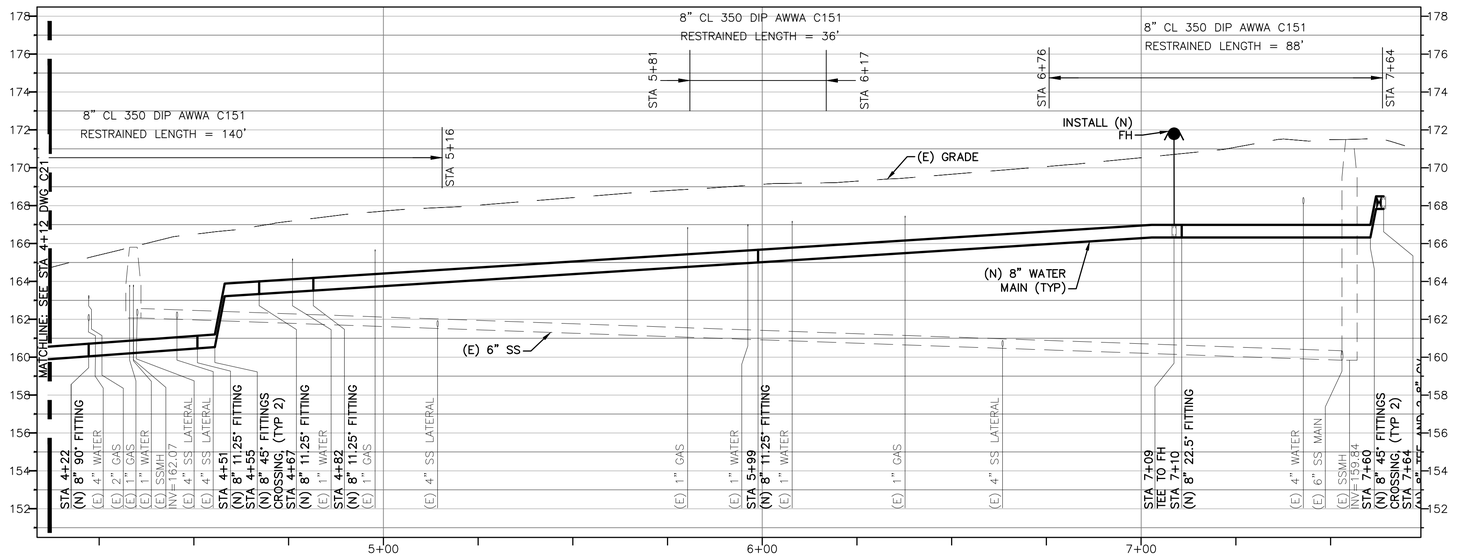
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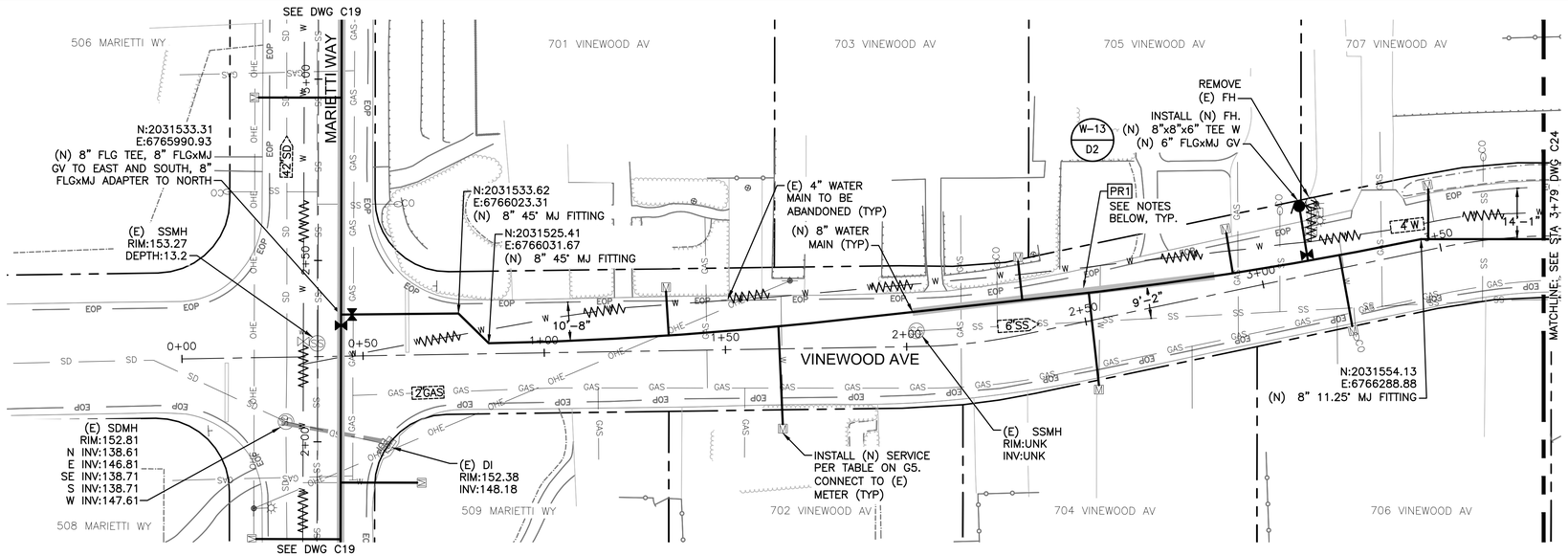
REGISTERED PROFESSIONAL ENGINEER THOMAS M. LAW NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

MAPLE DR PLAN AND PROFILE
STA 4+12 TO 7+70

DWG. NO. C22
SHEET 28 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



VINEWOOD AVE

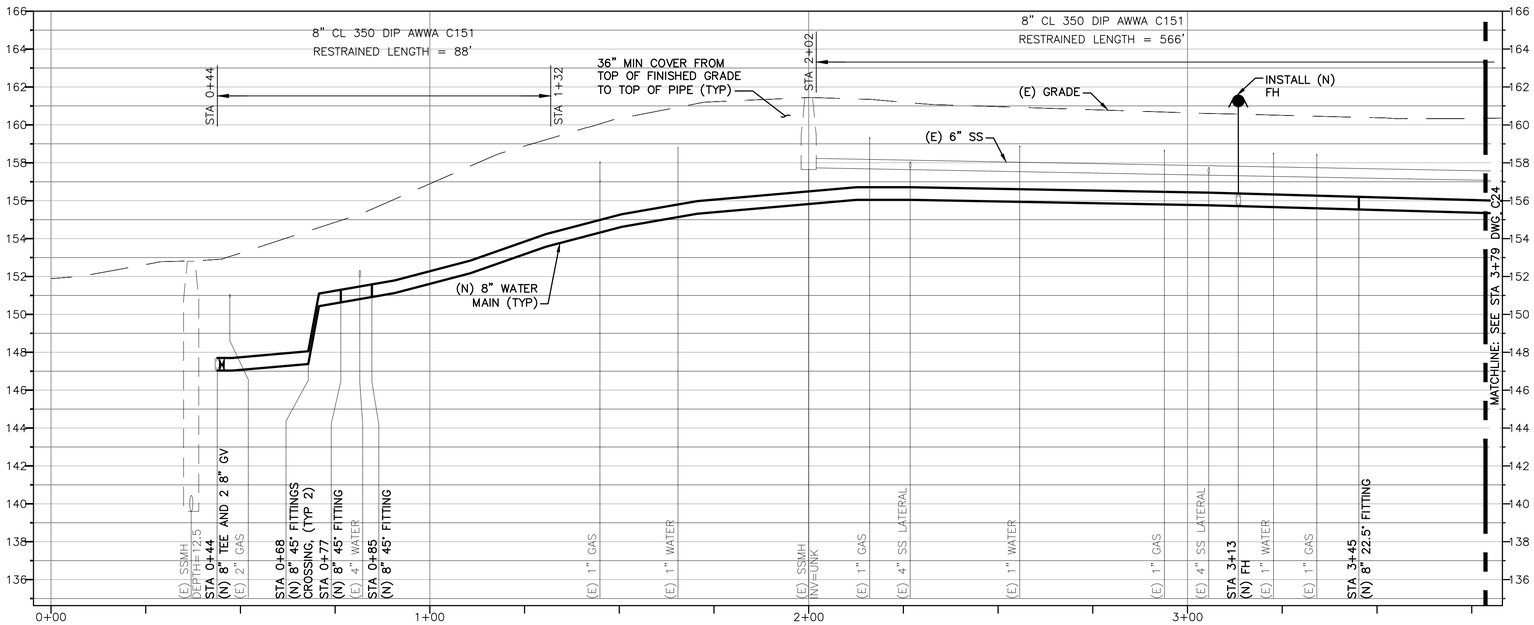
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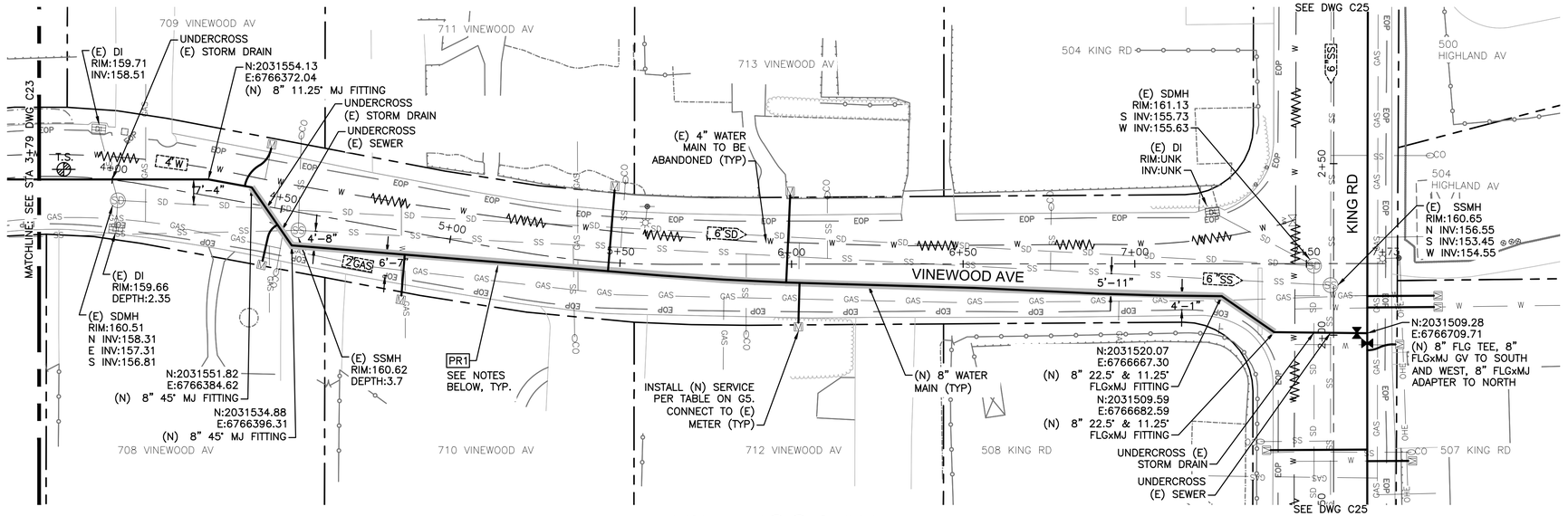
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

VINEWOOD AVE PLAN AND PROFILE
STA 0+00 TO 3+79

DWG. NO. C23
SHEET 29 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



VINEWOOD AVE

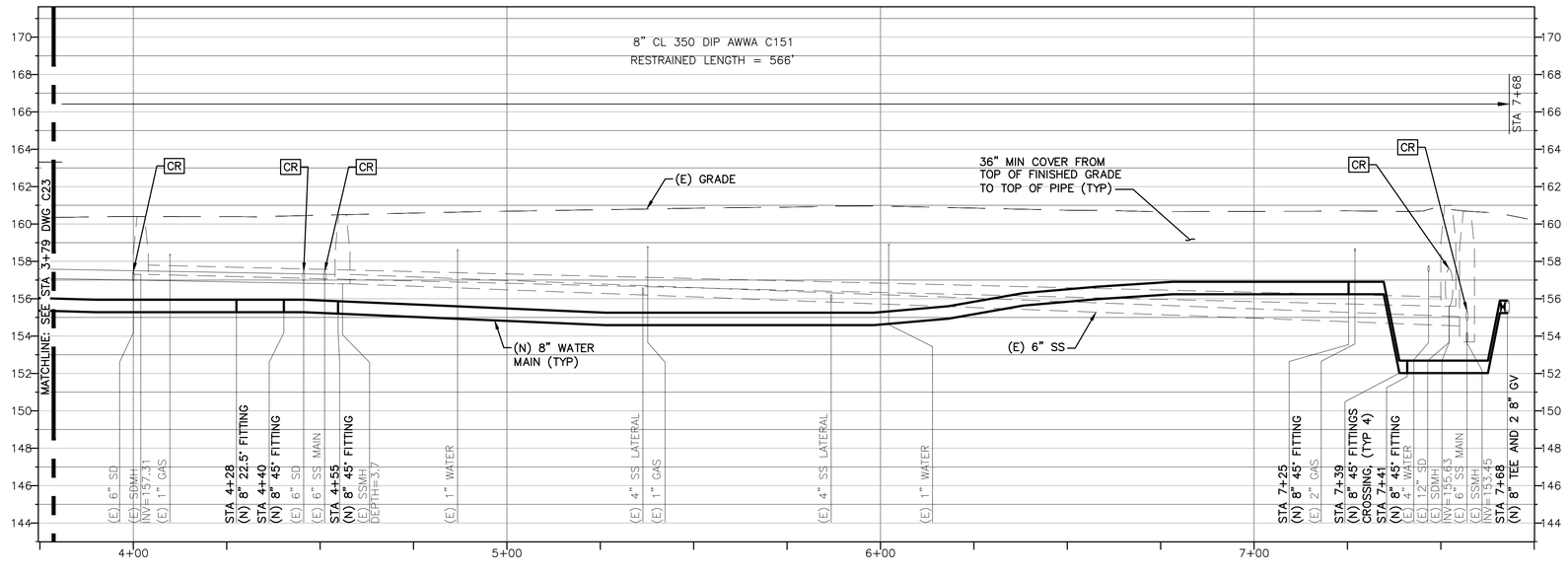
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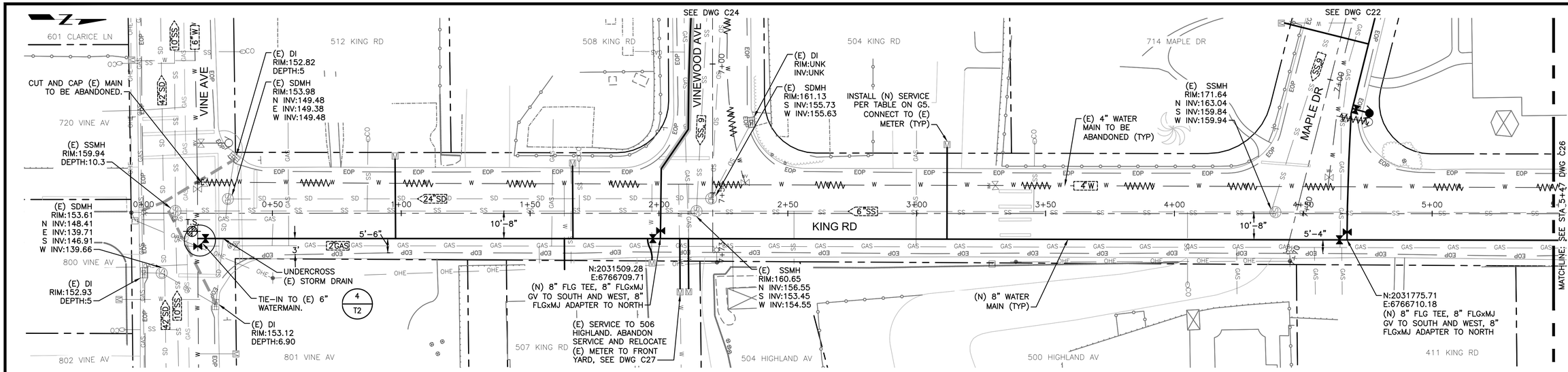
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DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

VINEWOOD AVE PLAN AND PROFILE
STA 3+79 TO 7+73

DWG. NO. C24
SHEET 30 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



KING RD

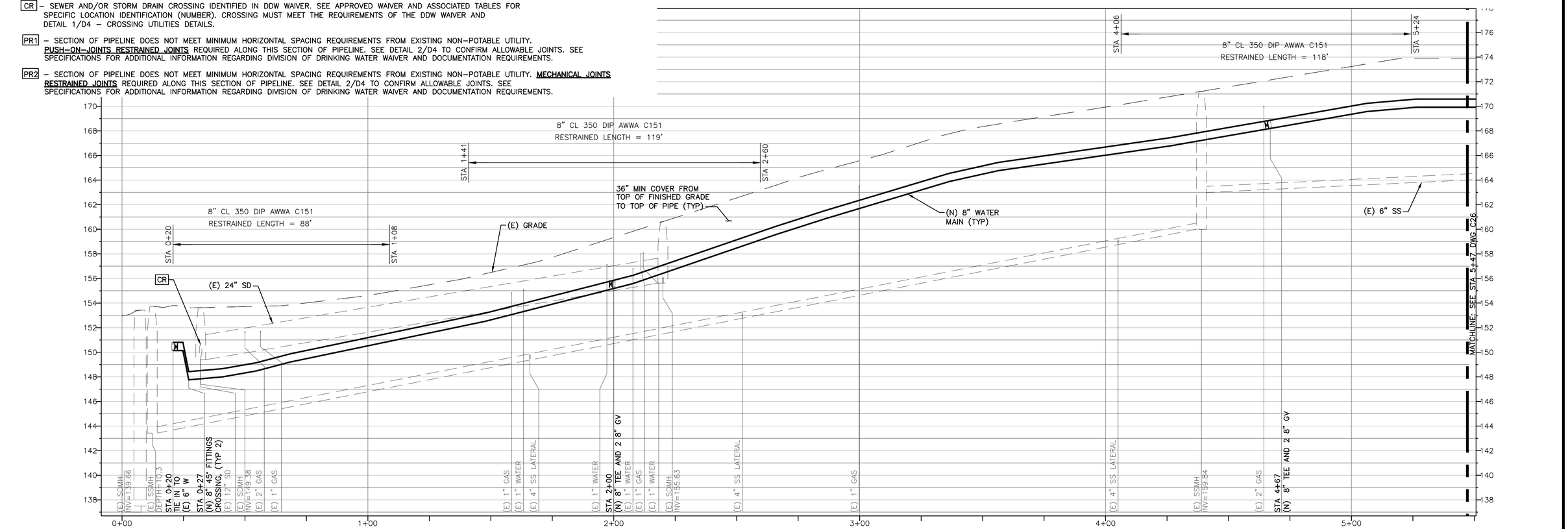
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DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

DOMENICHELLI & ASSOCIATES
5180 Golden Foothill Parkway Ste. 220 El Dorado Hills, CA 95762
Ph: (916) 933-1997 Fax: (916) 933-4778

CITY OF ROSEVILLE CALIFORNIA
2005 HILLTOP CIRCLE ROSEVILLE, CA 95747 PHONE: 916-774-5750

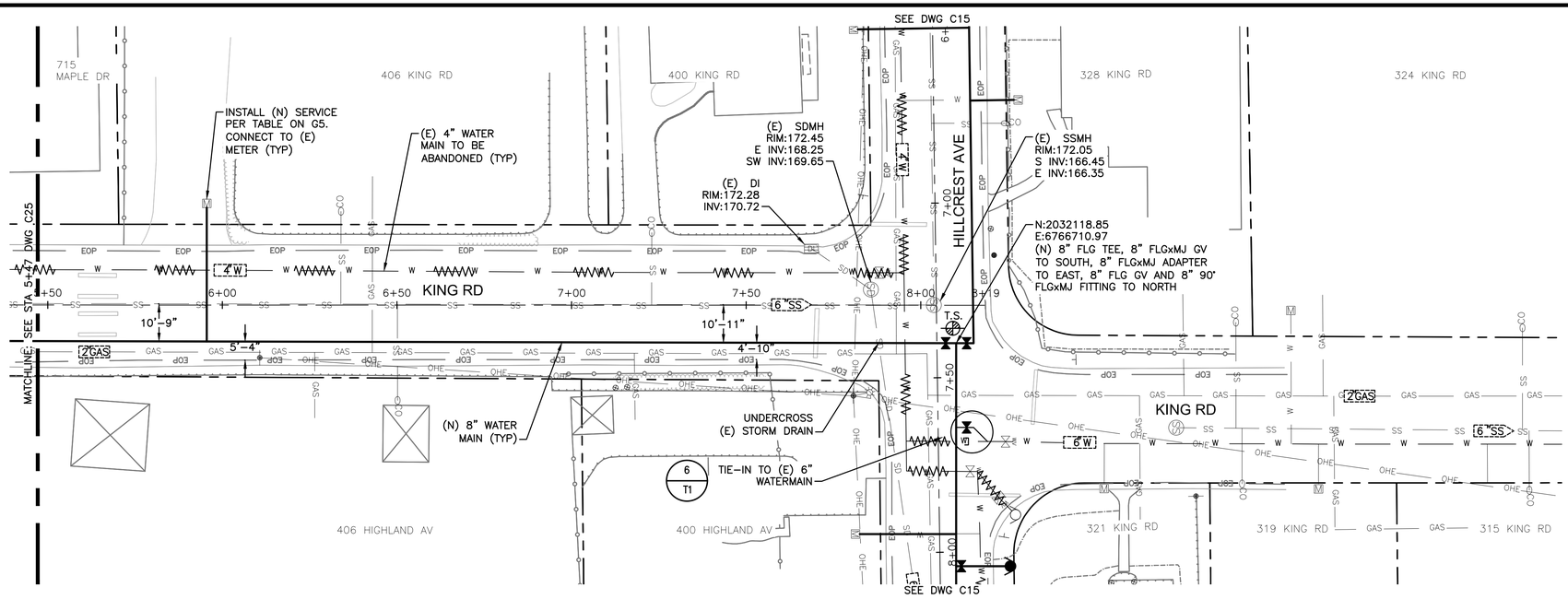
REGISTERED PROFESSIONAL ENGINEER TIMOTHY M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

KING RD PLAN AND PROFILE
STA 0+00 TO 5+47

DWG. NO. C25
SHEET 31 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



KING RD

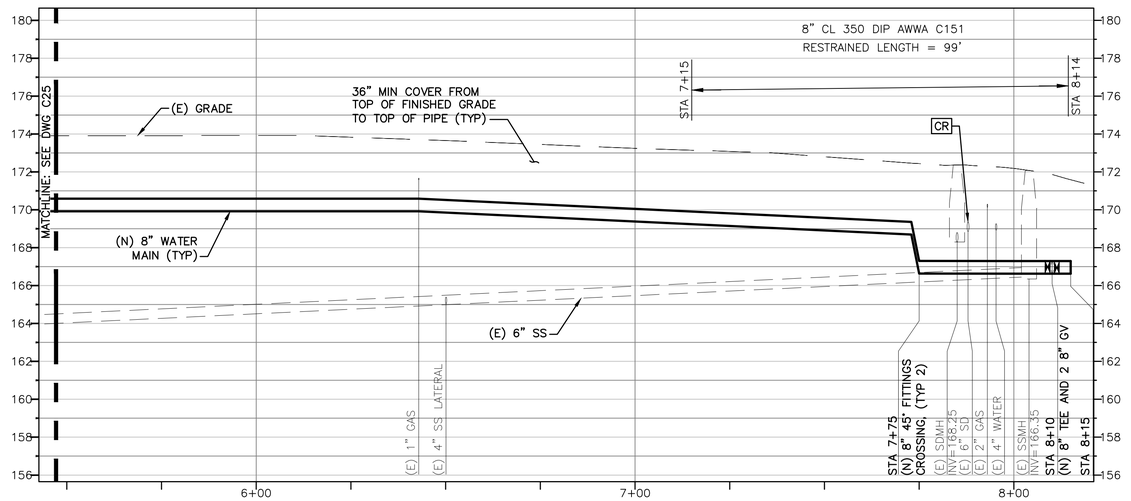
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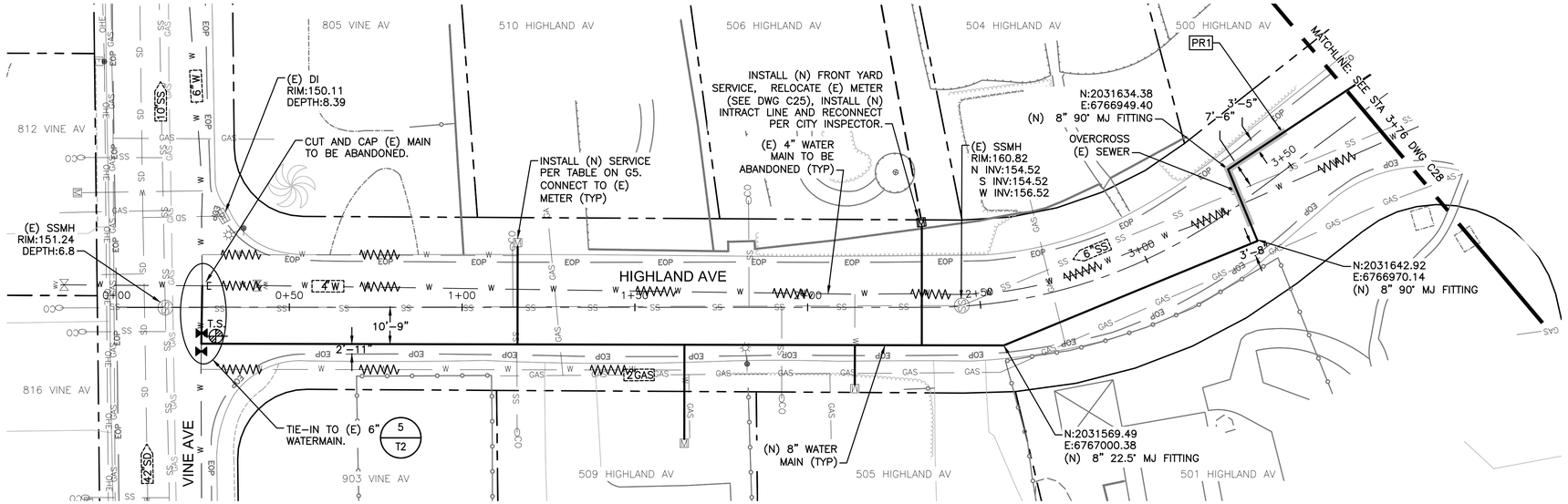
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

KING RD PLAN AND PROFILE
STA 5+47 TO 8+19

DWG. NO. C26
SHEET 32 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



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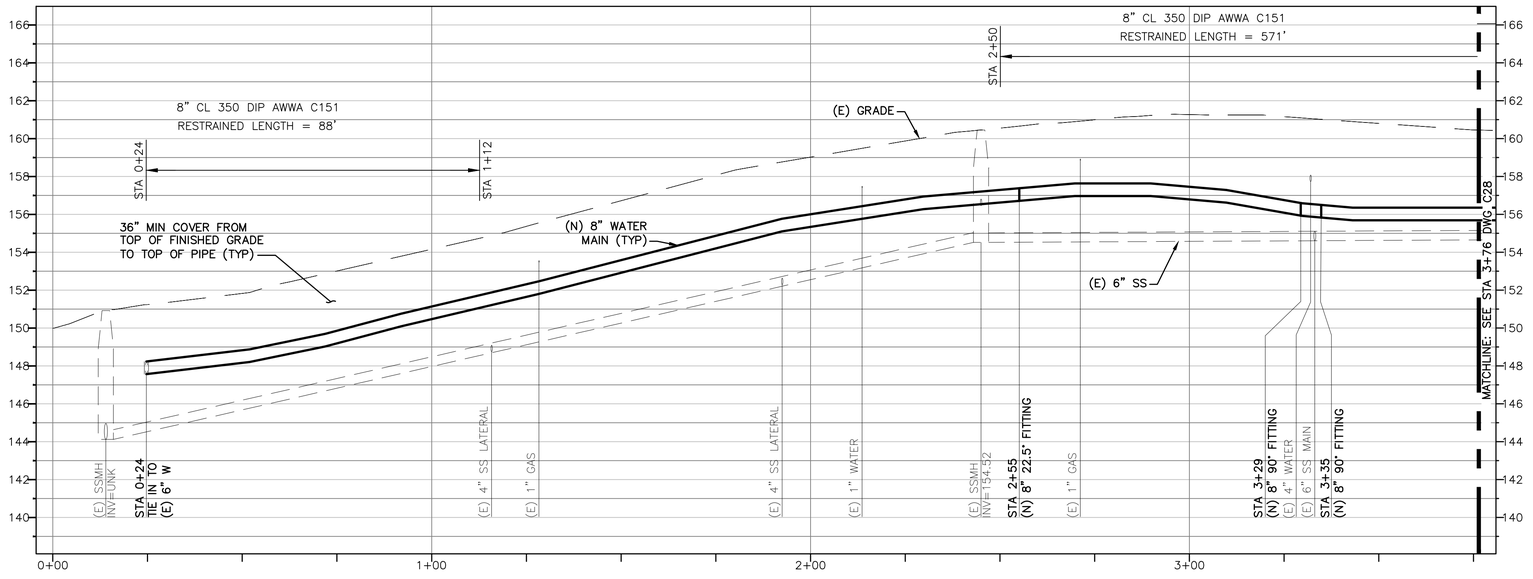
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HIGHLAND AVE

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CHECKED S. ROGERS

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ROSEVILLE, CA 95747 PHONE: 916-774-5750

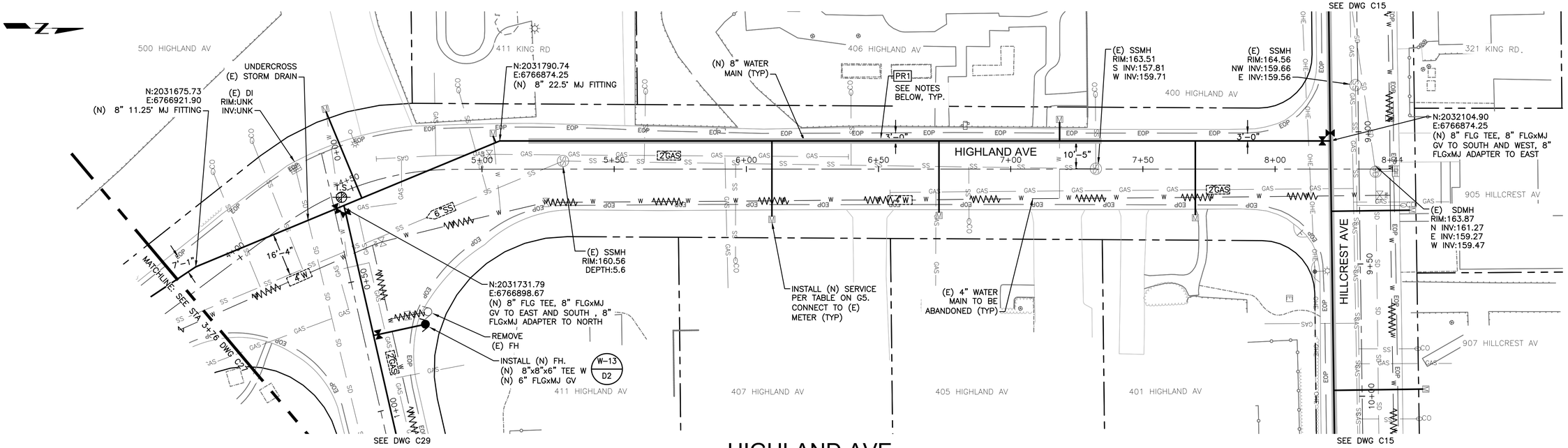
REGISTERED PROFESSIONAL ENGINEER THOMAS M. LUTH NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

HIGHLAND AVE PLAN AND PROFILE
STA 0+00 TO 3+76

DWG. NO. C27
SHEET 33 OF 58

Z:\CITY OF ROSEVILLE\IRSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\IRSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



HIGHLAND AVE

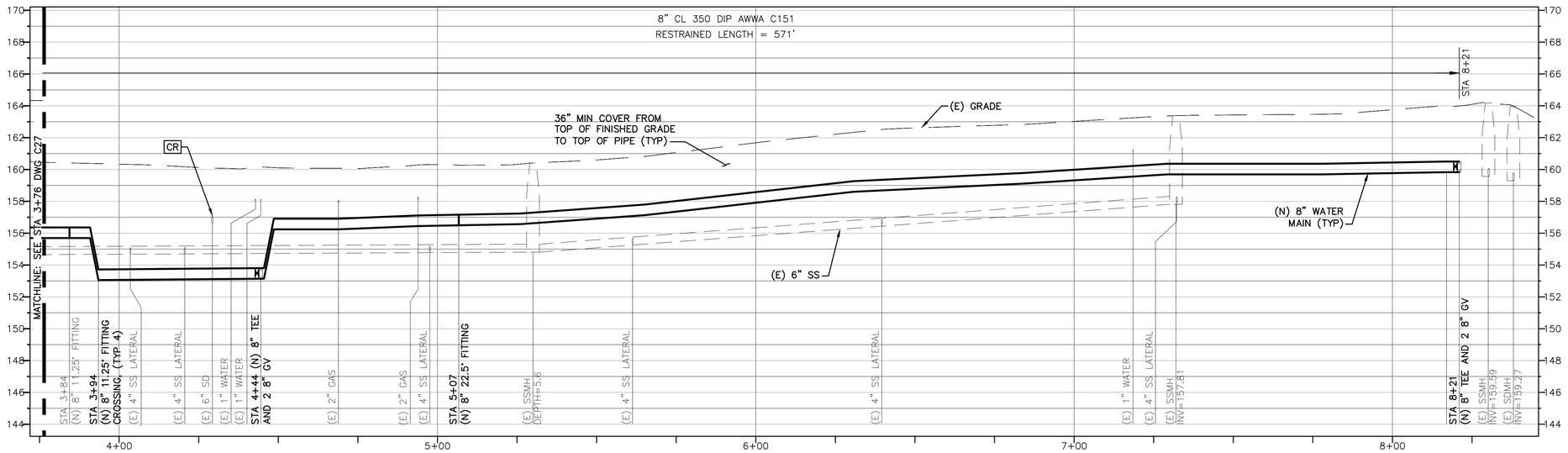
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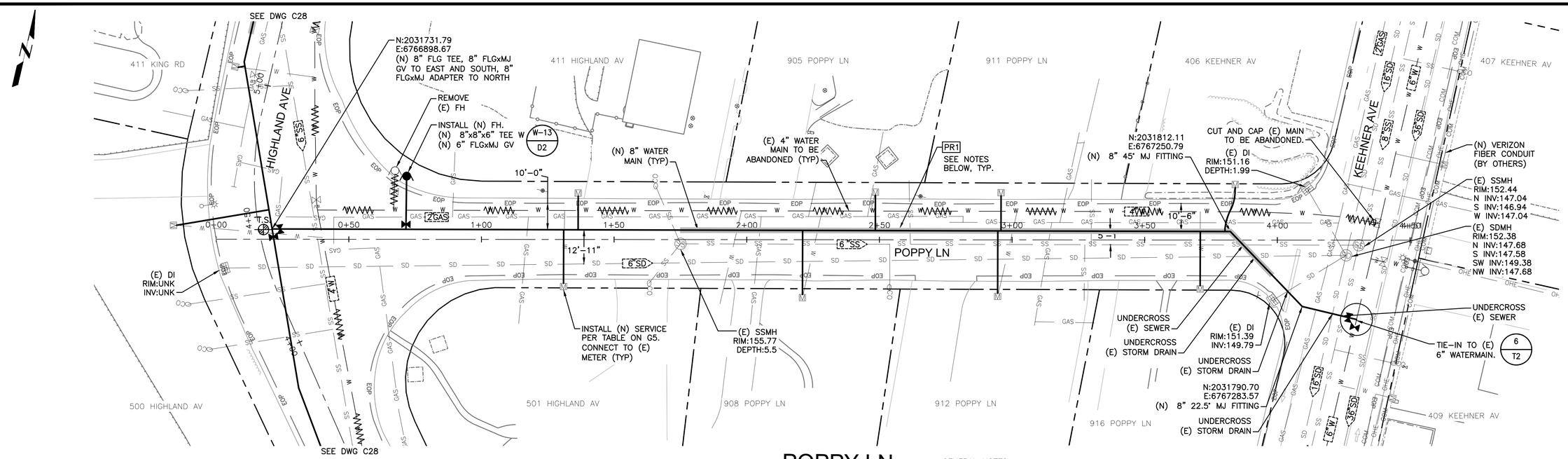
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

HIGHLAND AVE PLAN AND PROFILE
STA 3+76 TO 8+44

DWG. NO. C28
SHEET 34 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
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POPPY LN

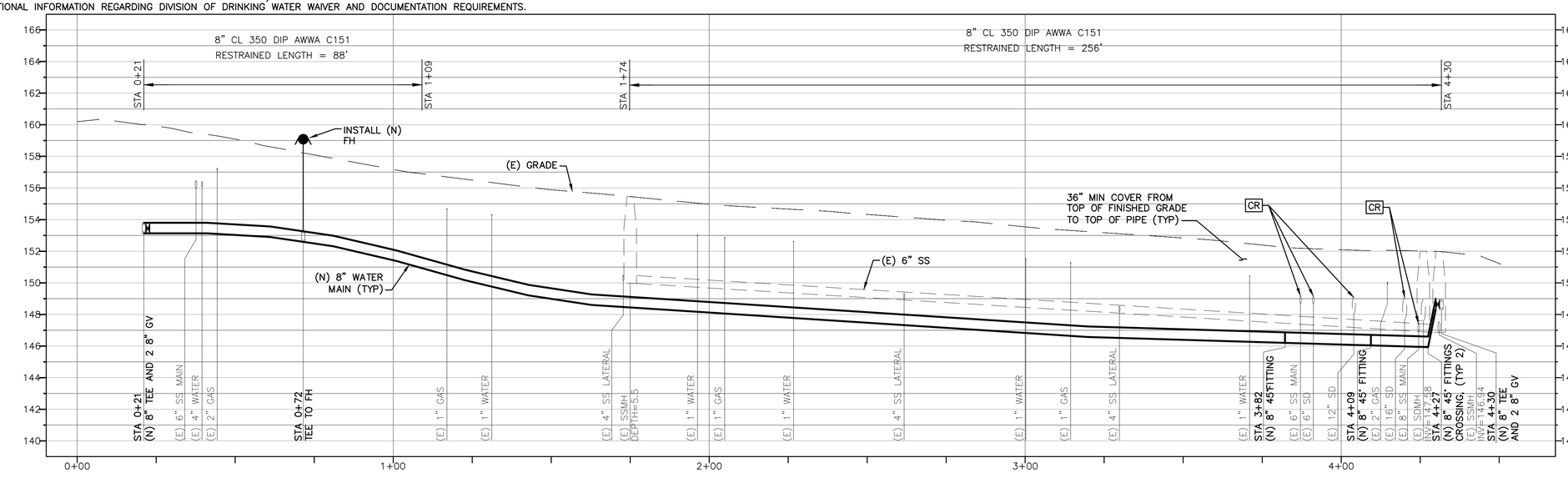
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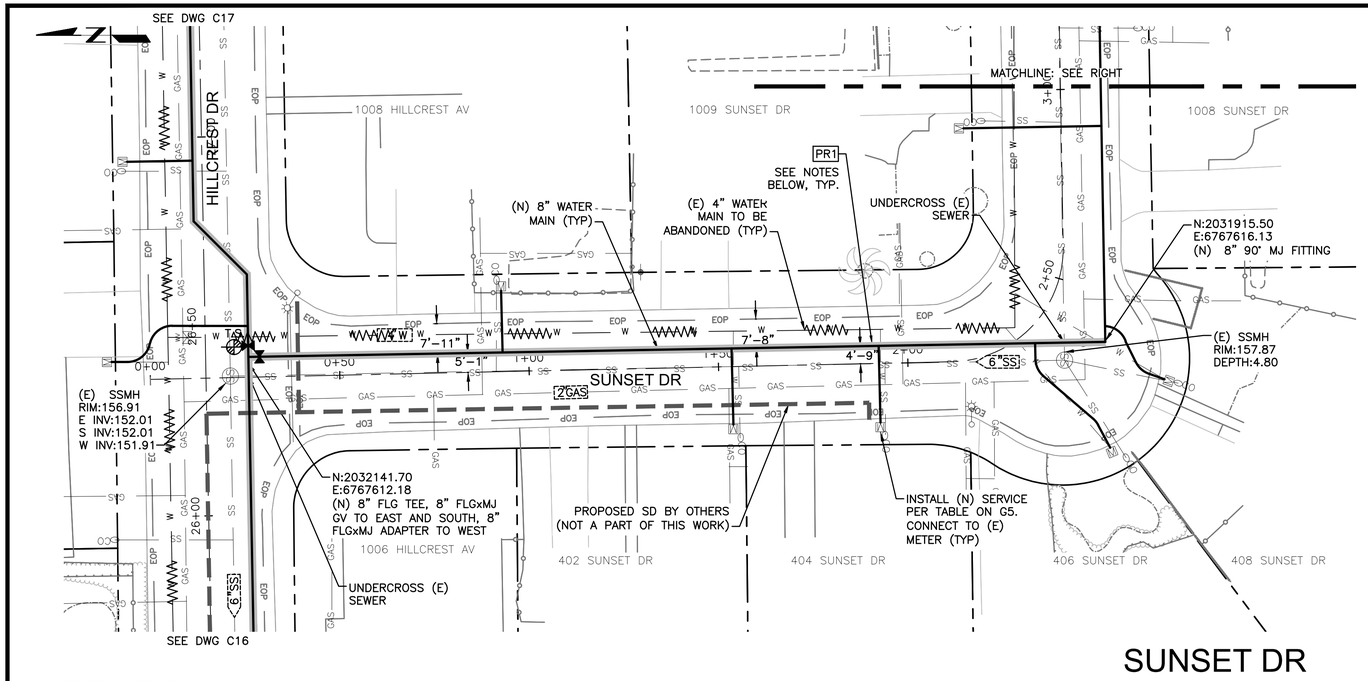
REGISTERED PROFESSIONAL ENGINEER THOMAS M. [illegible] NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

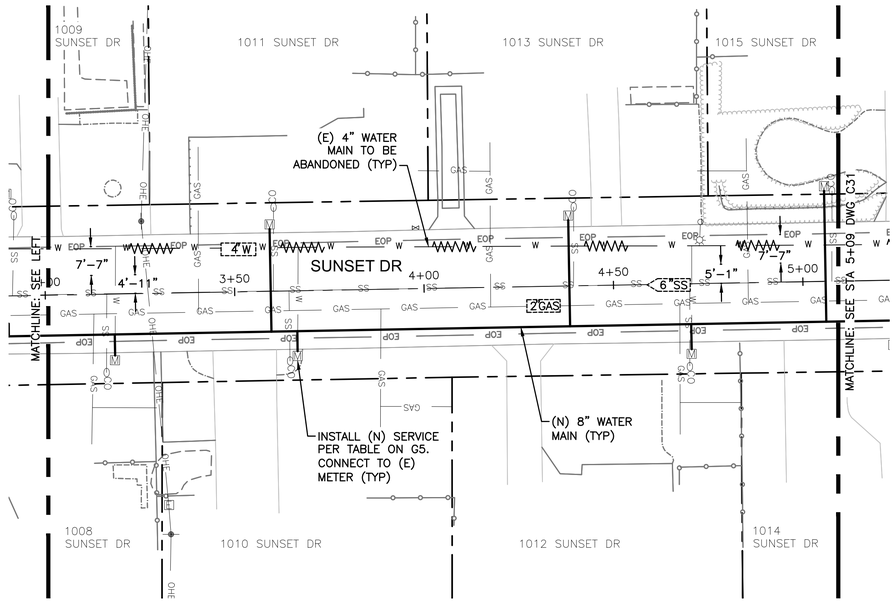
POPPY LN PLAN AND PROFILE
STA 0+00 TO 4+50

DWG. NO. C29
SHEET 35 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
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SUNSET DR

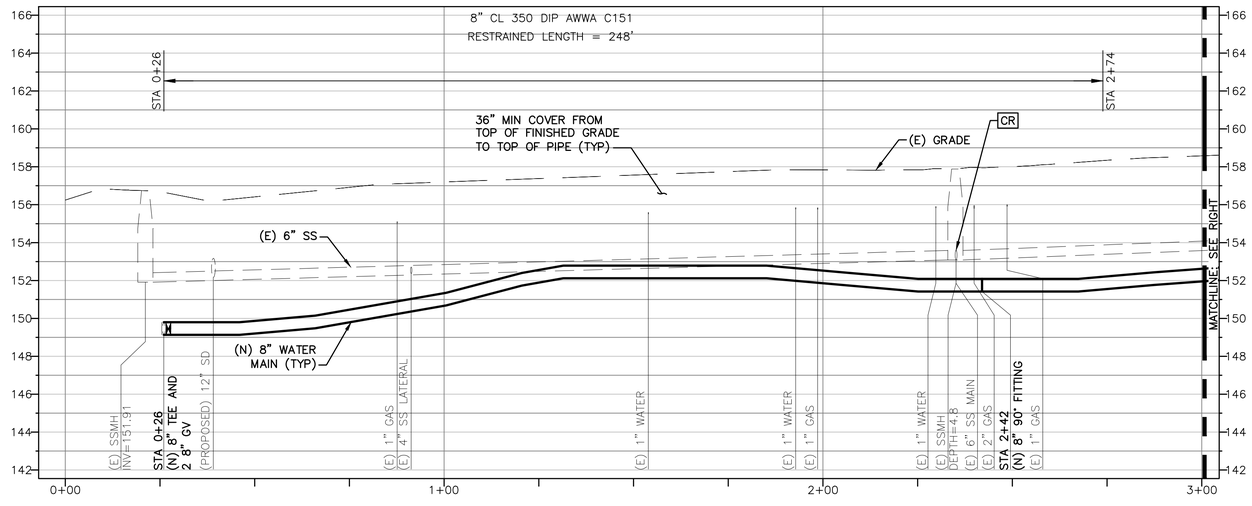


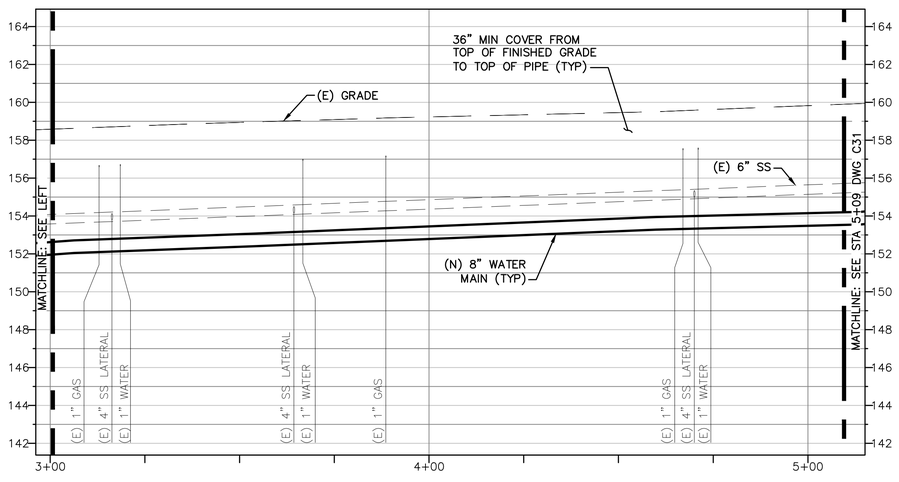
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DESIGNED T. DUGAN
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CHECKED S. ROGERS

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ROSEVILLE, CA 95747 PHONE: 916-774-5750

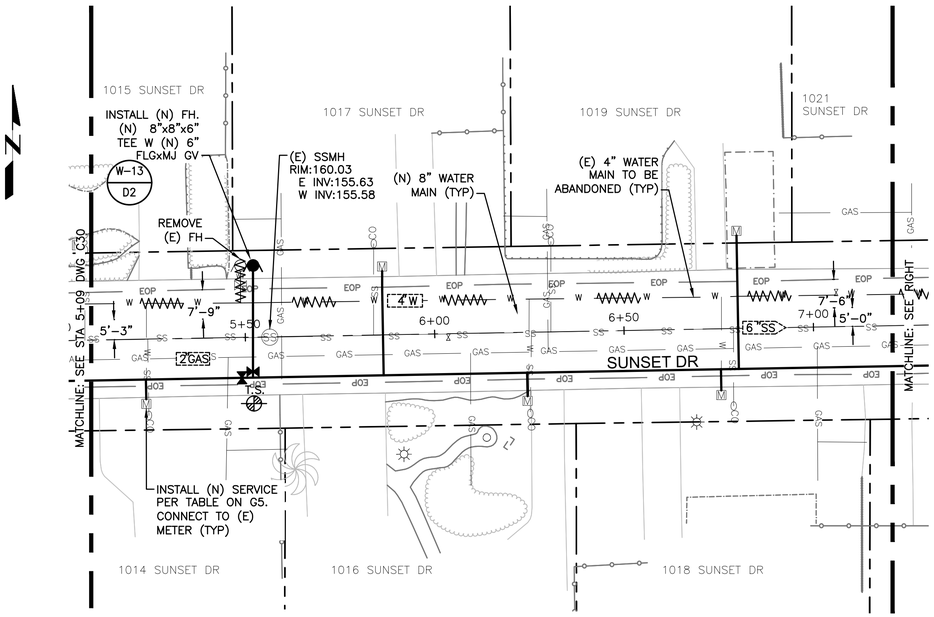
REGISTERED PROFESSIONAL ENGINEER – THOMAS M. DUGAN – NO. C68171 Exp. 9/30/21 – CIVIL – STATE OF CALIFORNIA

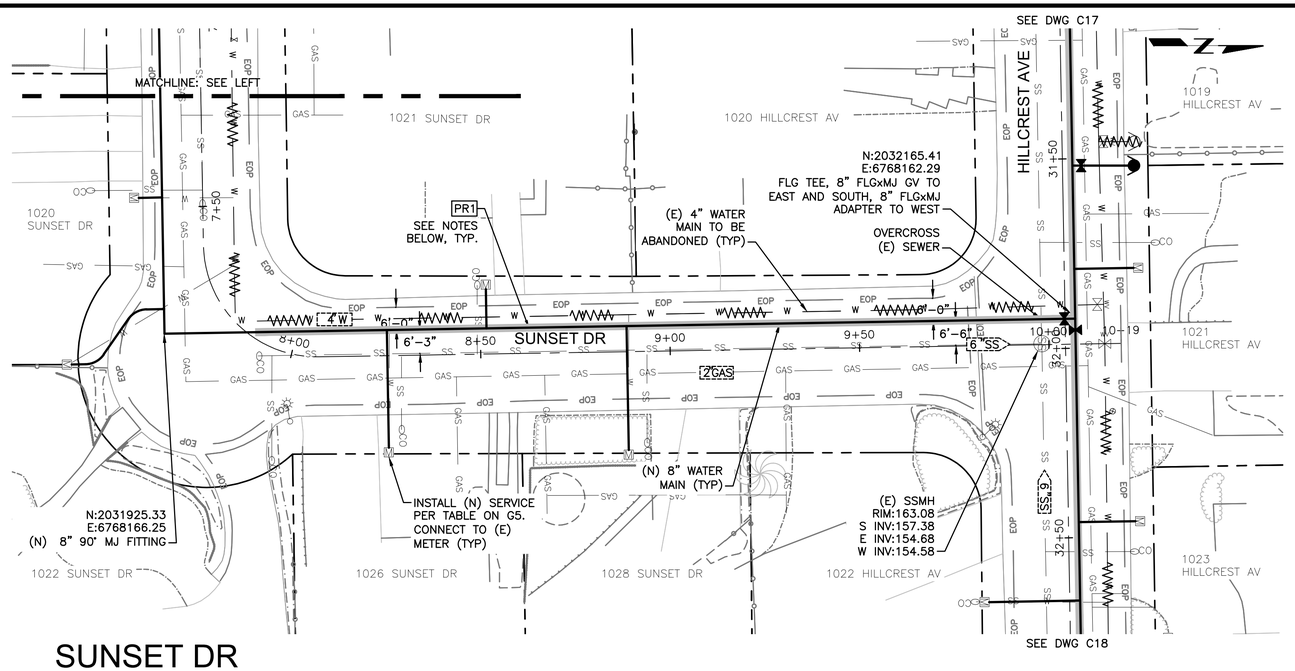
DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

SUNSET DR PLAN AND PROFILE
STA 0+00 TO 5+09

DWG. NO. C30
SHEET 36 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636





SUNSET DR

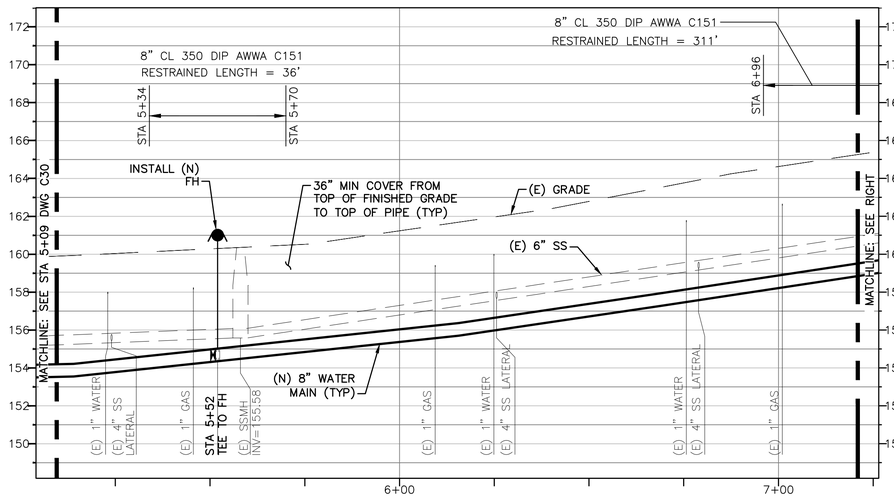
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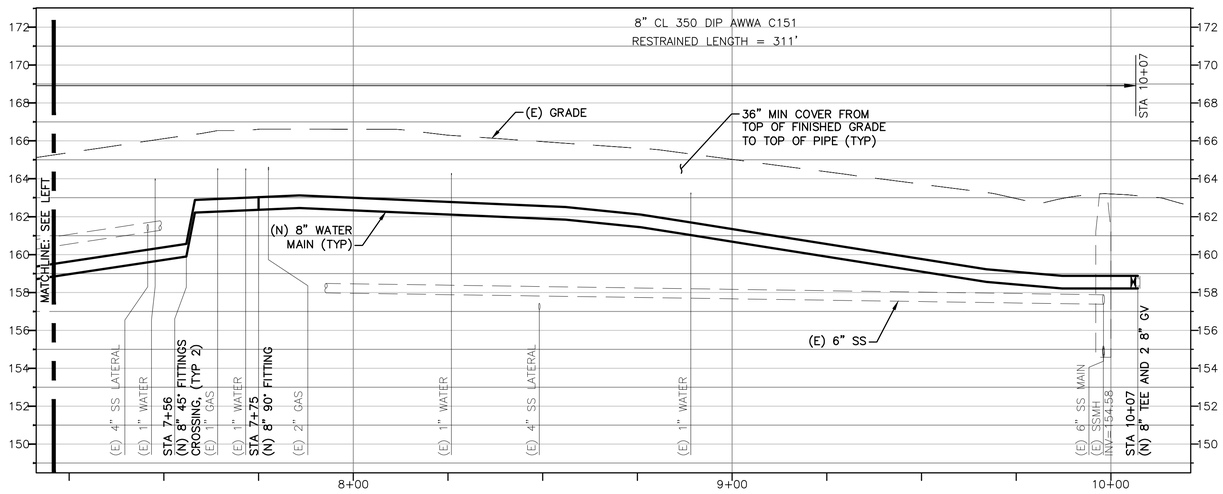
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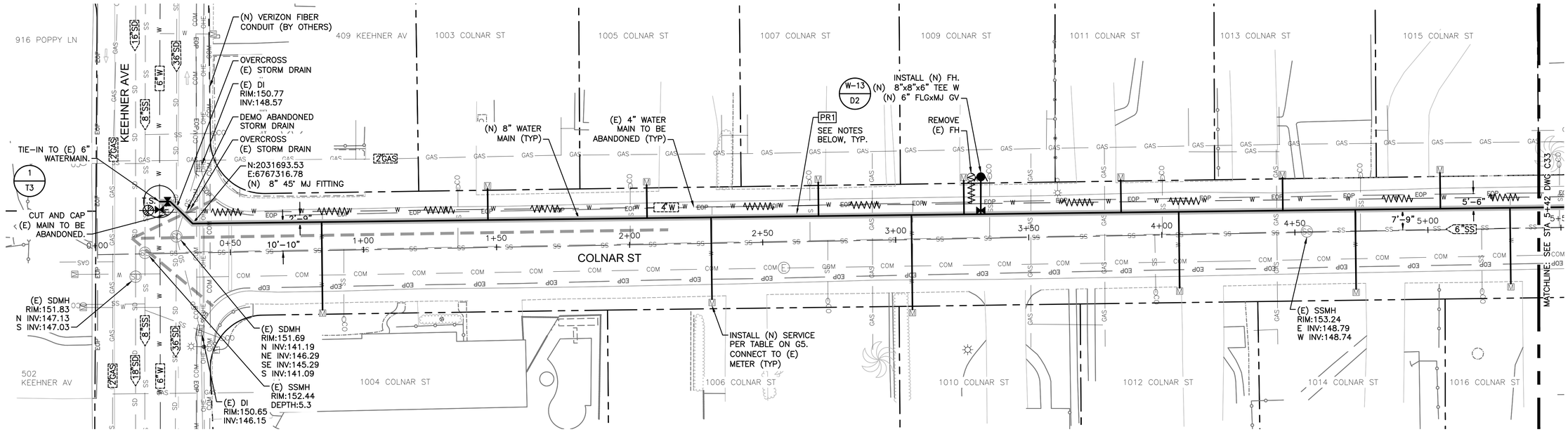
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DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

SUNSET DR PLAN AND PROFILE
STA 5+09 TO 10+19

DWG. NO. C31
SHEET 37 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



COLNAR ST

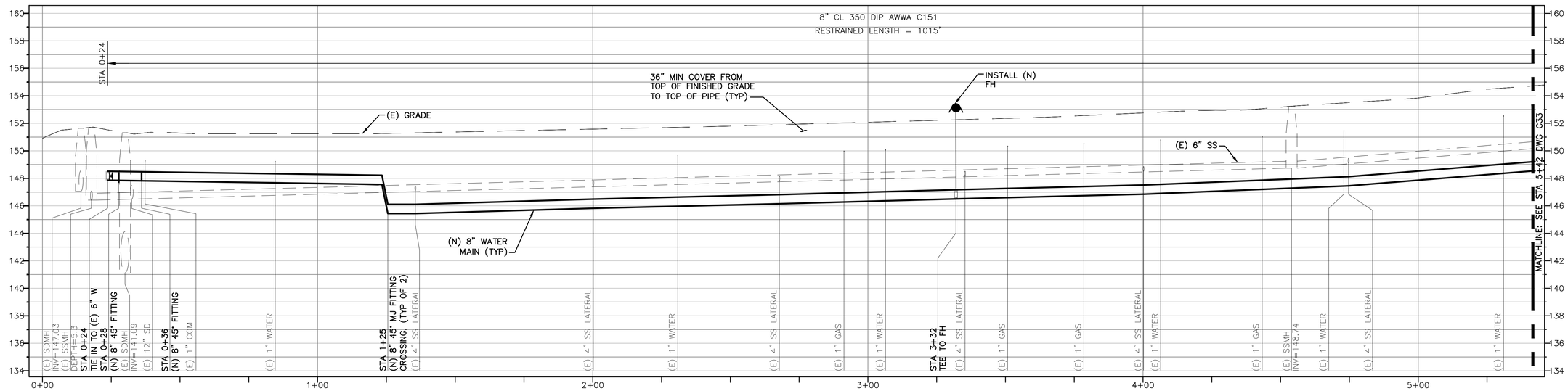
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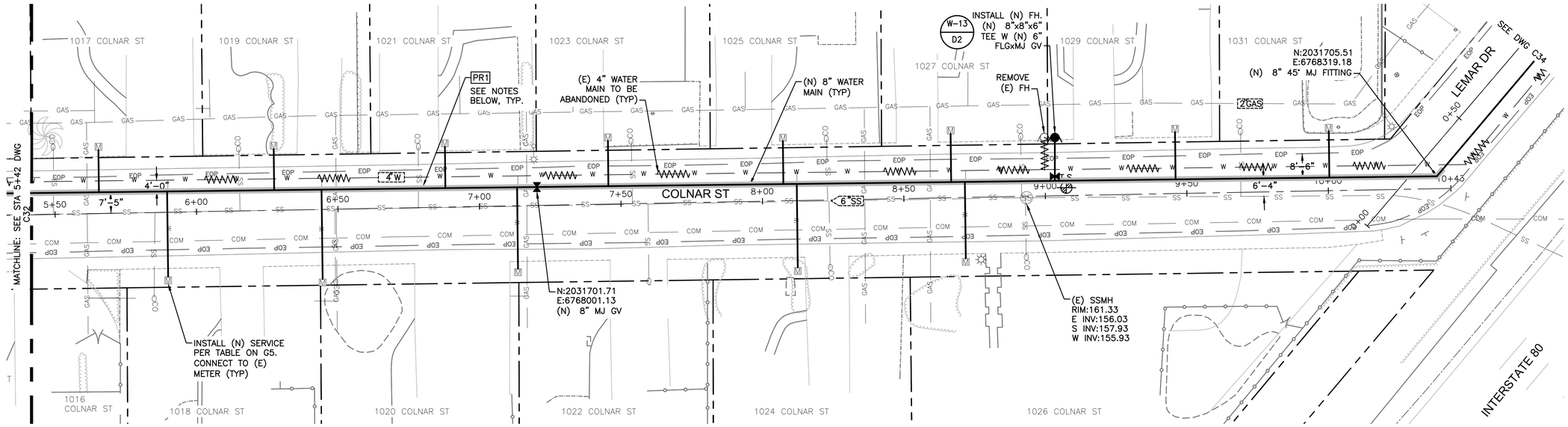
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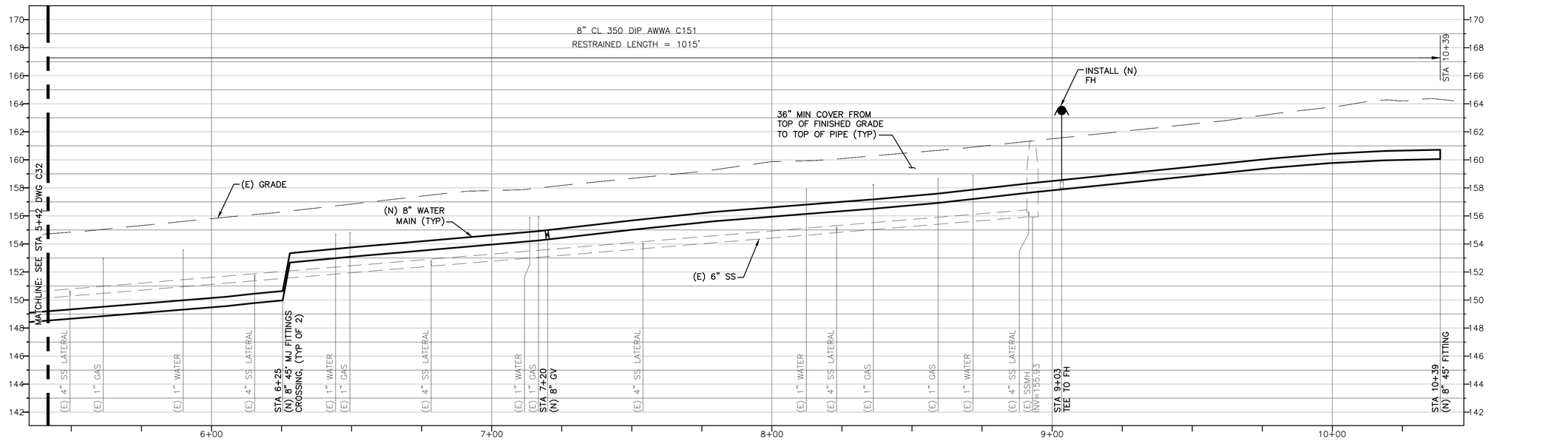
DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

COLNAR ST PLAN AND PROFILE
STA 0+00 TO 5+42

DWG. NO. C32
SHEET 38 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636





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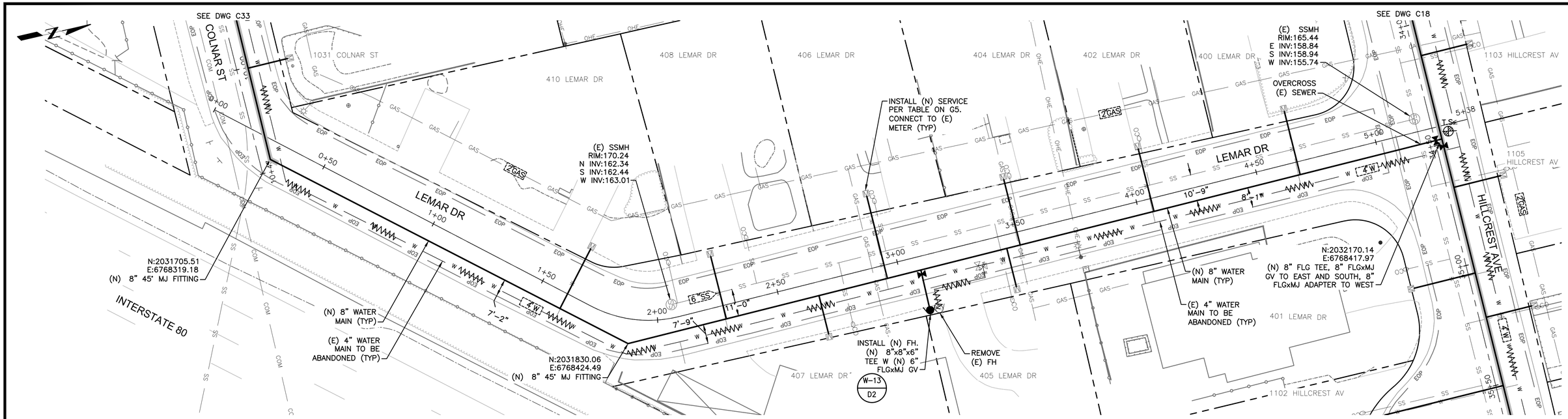
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

COLNAR ST PLAN AND PROFILE
STA 5+42 TO 10+43

DWG. NO. C33
SHEET 39 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
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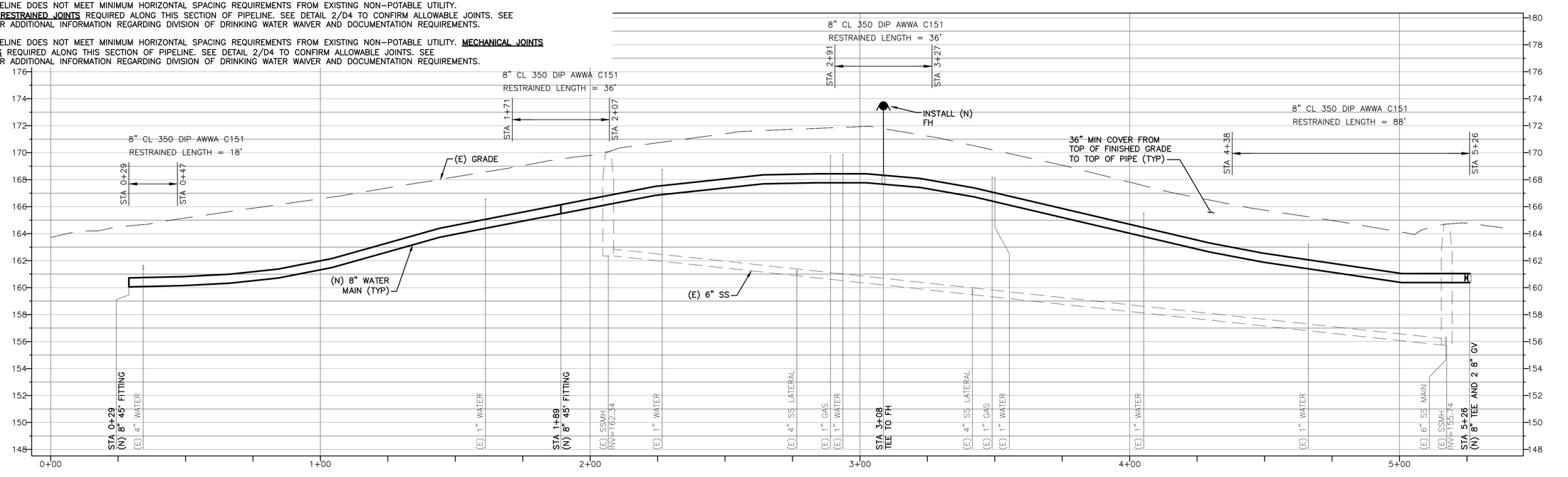
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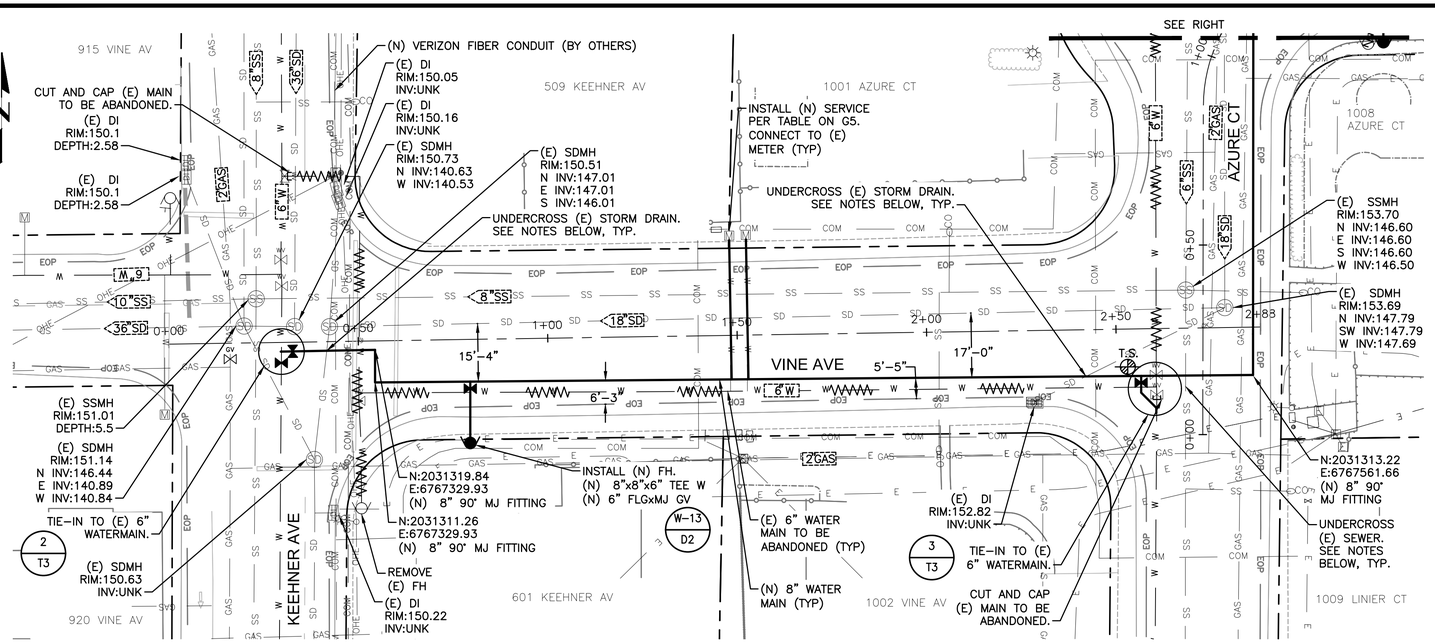
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DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

LEMAR DR PLAN AND PROFILE
STA 0+00 TO 5+38

DWG. NO. C34
SHEET 40 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
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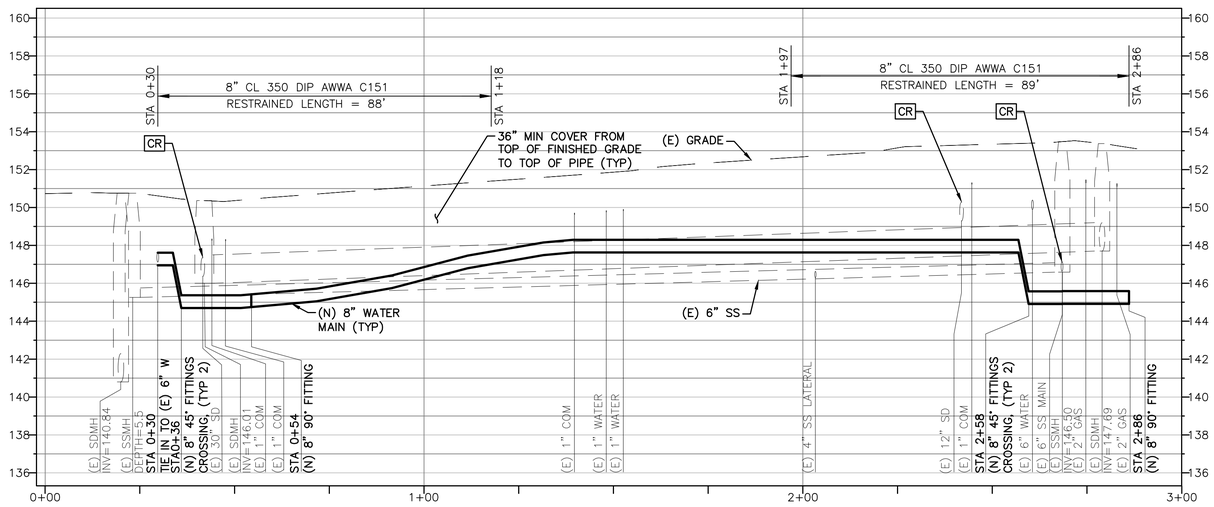
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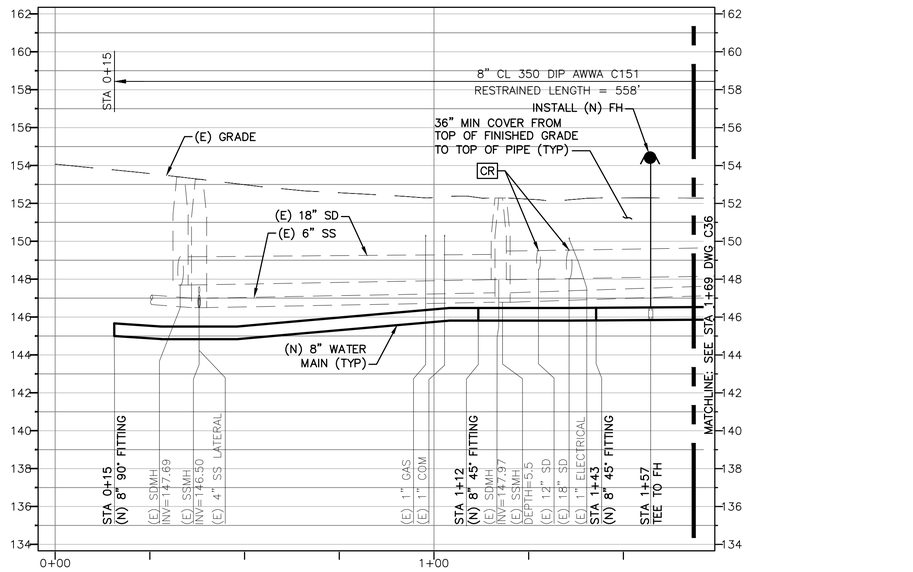
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DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

DOMENICHELLI & ASSOCIATES
5180 Golden Foothill Parkway Ste. 220
El Dorado Hills, CA 95762
Ph: (916) 933-1997
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CITY OF ROSEVILLE CALIFORNIA
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ROSEVILLE, CA 95747 PHONE: 916-774-5750

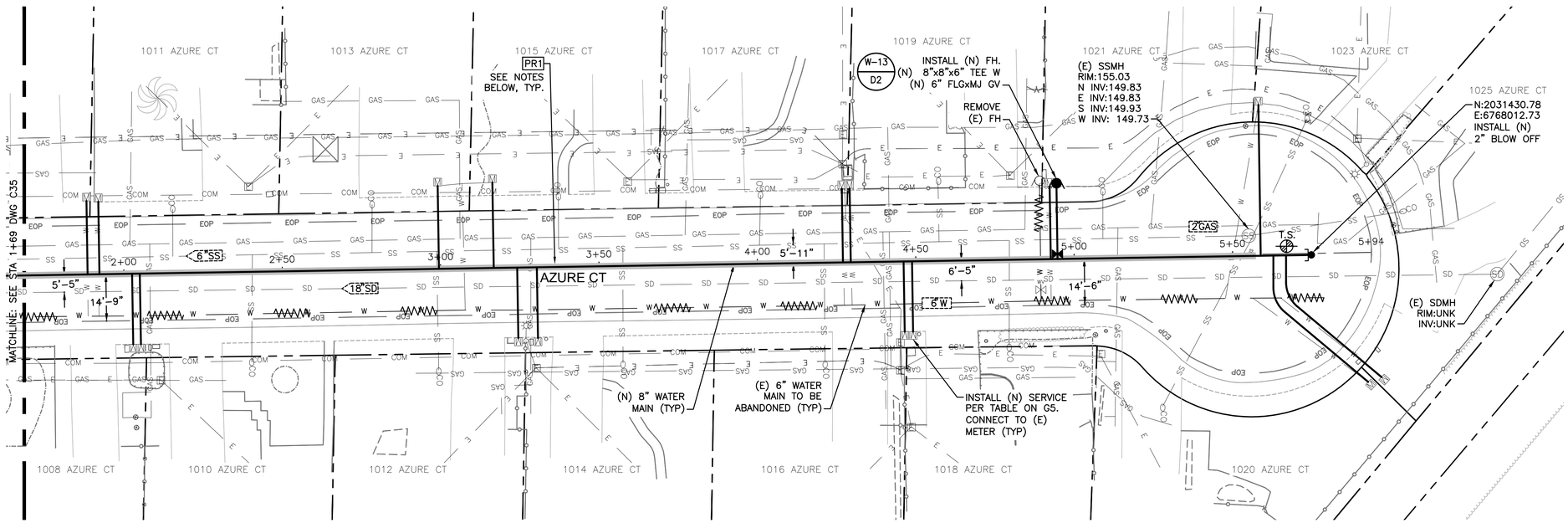
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

VINE AVE / AZURE CT PLAN AND PROFILE
STA 0+00 TO 2+88 / STA 0+00 TO 1+69

DWG. NO. C35
SHEET 41 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



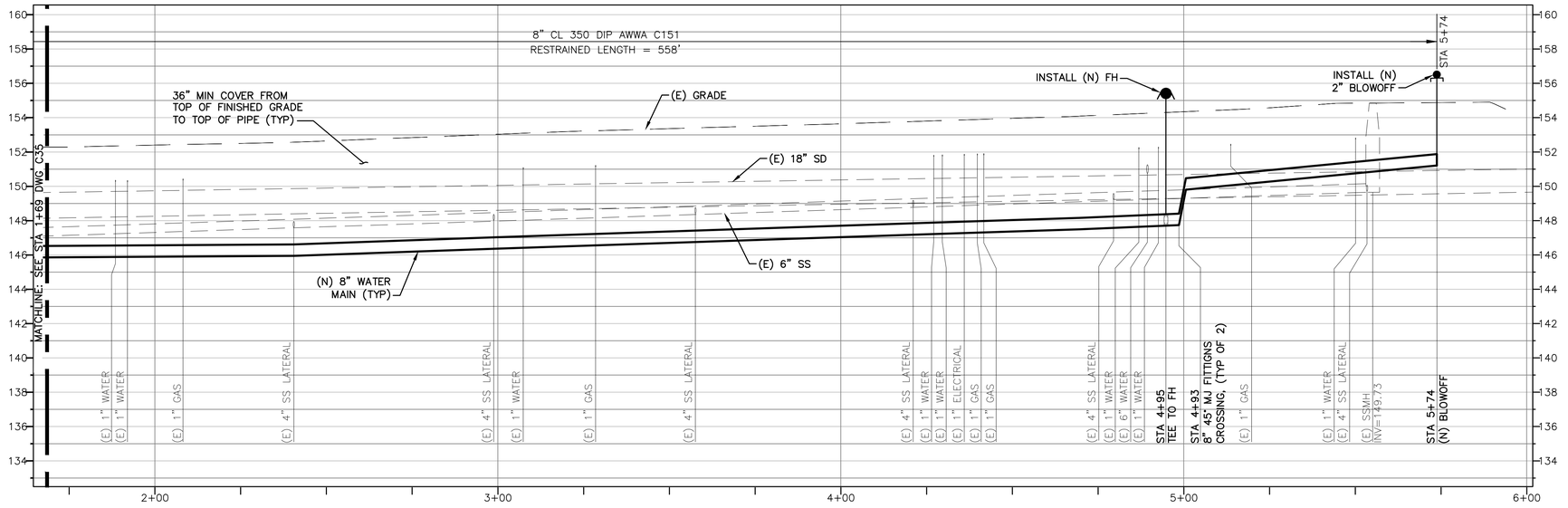
AZURE CT

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ROSEVILLE, CA 95747 PHONE: 916-774-5750

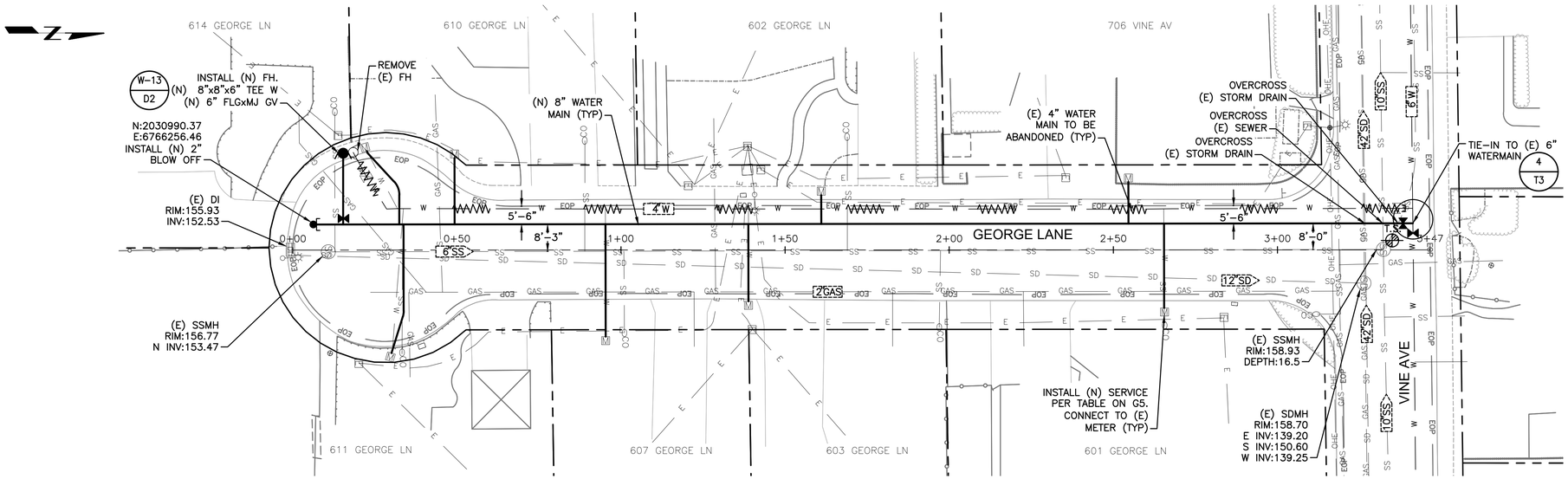
REGISTERED PROFESSIONAL ENGINEER THOMAS M. LAW NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

AZURE CT PLAN AND PROFILE
STA 1+69 TO 5+94

DWG. NO. C36
SHEET 42 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001.DWG
20201013.110636



Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
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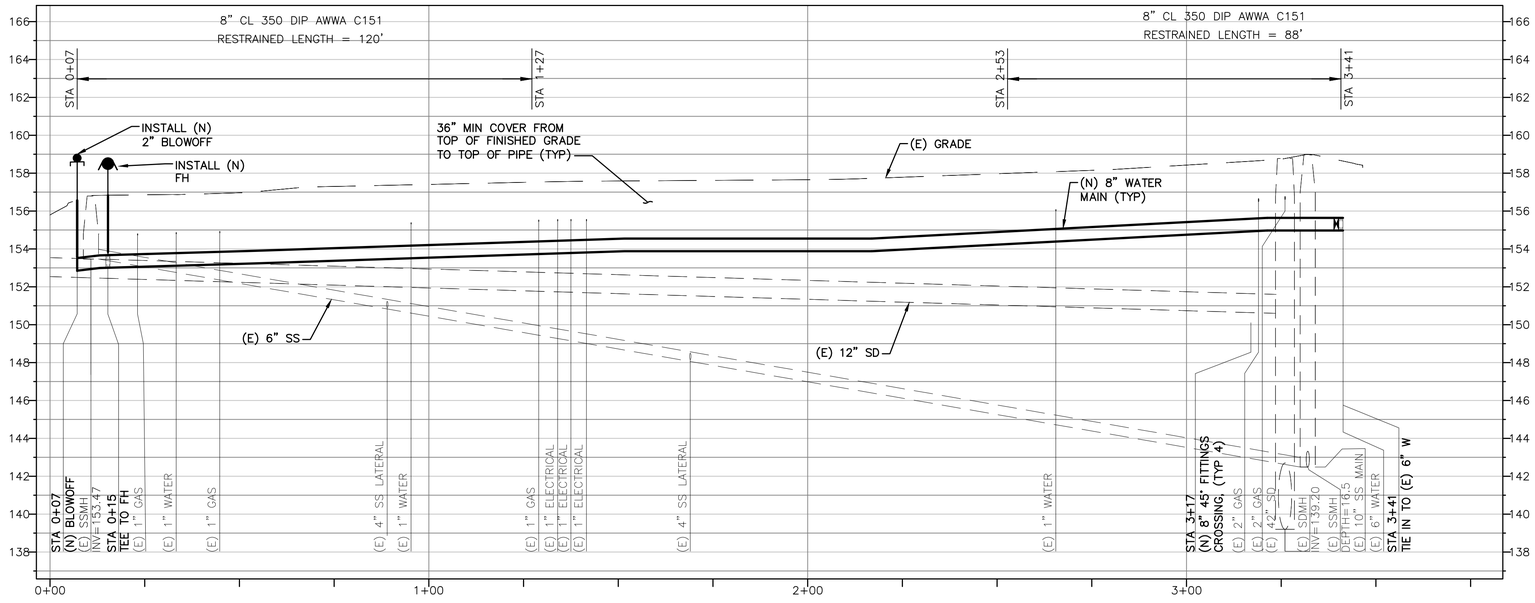
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GEORGE LANE

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CHECKED S. ROGERS

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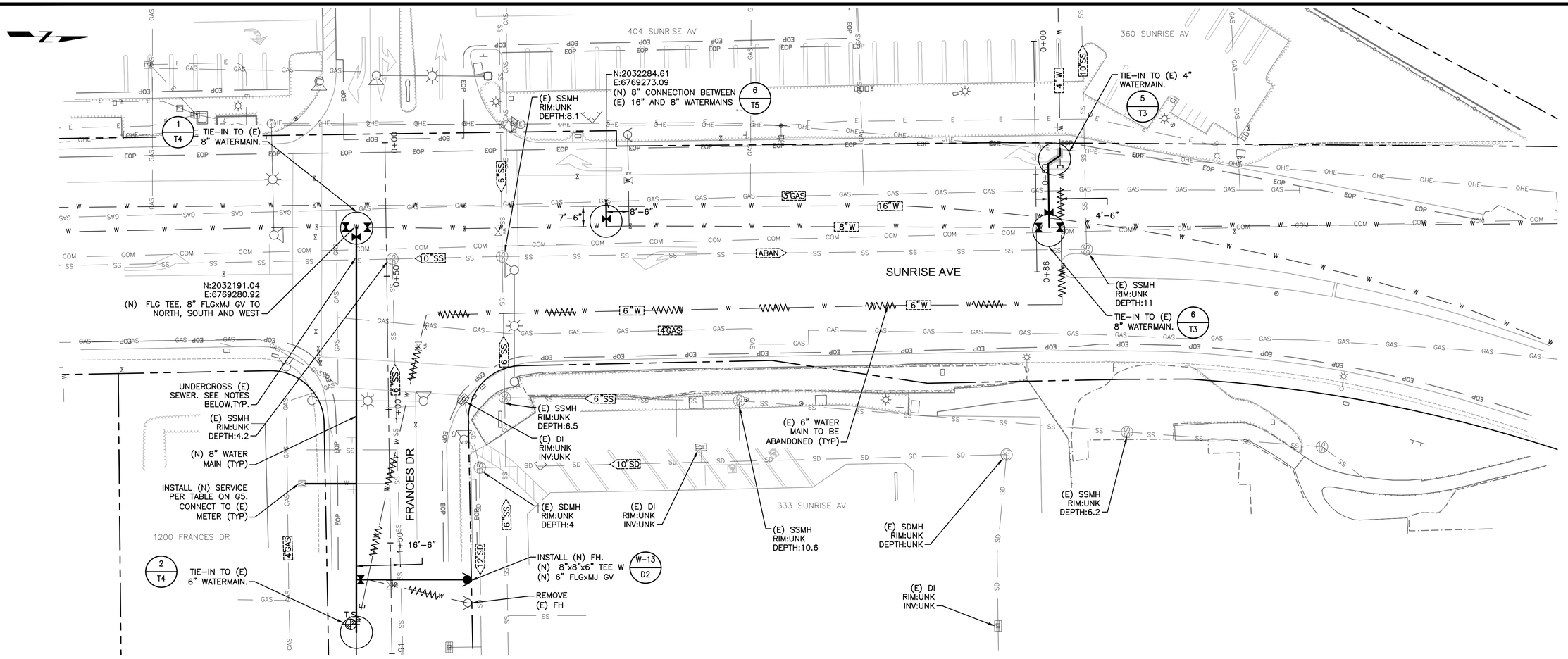
CITY OF ROSEVILLE CALIFORNIA
2005 HILLTOP CIRCLE
ROSEVILLE, CA 95747 PHONE: 916-774-5750

REGISTERED PROFESSIONAL ENGINEER – THOMAS M. DUGAN – NO. C68171 Exp. 9/30/21 – STATE OF CALIFORNIA – CIVIL

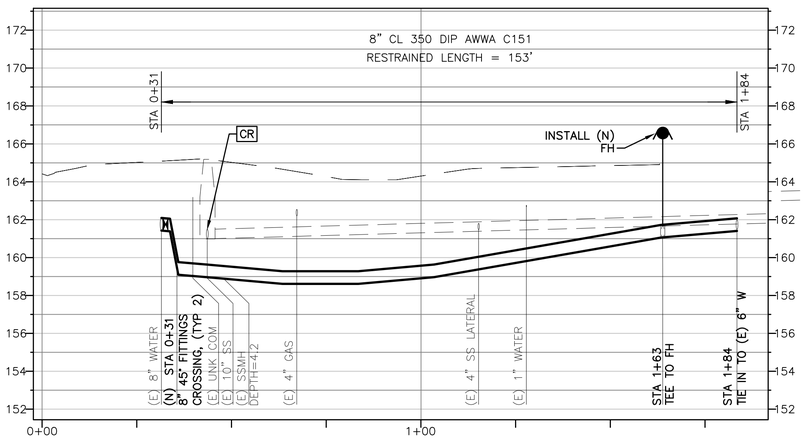
DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

GEORGE LN PLAN AND PROFILE
STA 0+00 TO 3+47

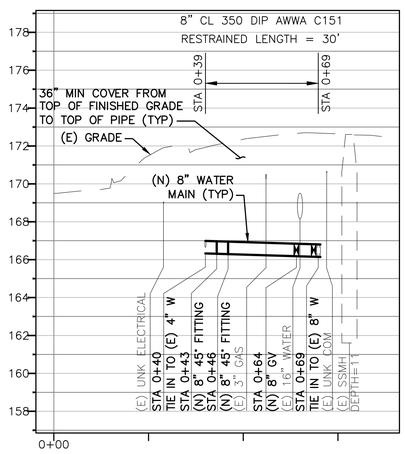
DWG. NO. C37
SHEET 43 OF 58



FRANCES DR



SUNRISE AVE



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4. CONTRACTOR MUST REPLACE EXISTING TRAFFIC SIGNAL DETECTOR LOOPS DAMAGED DURING CONSTRUCTION PER THE CITY OF ROSEVILLE STANDARDS. ALL LOOPS DAMAGED MUST BE REPLACED AT THE CONTRACTOR'S EXPENSE.

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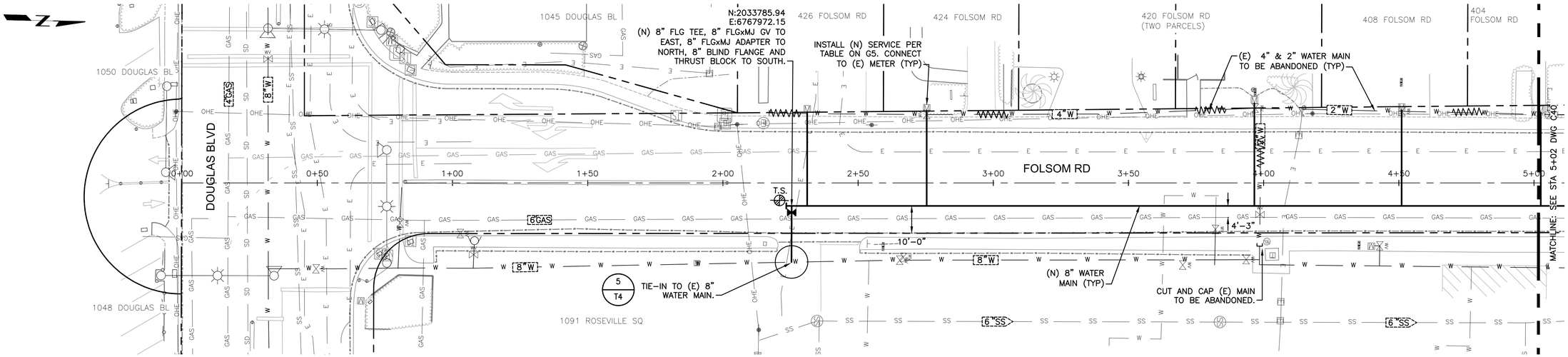
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REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD
FRANCES DR / SUNRISE AVE PLAN AND PROFILE
STA 0+00 TO 1+91 & 0+00 TO 0+86

DWG. NO. C38
SHEET 44 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
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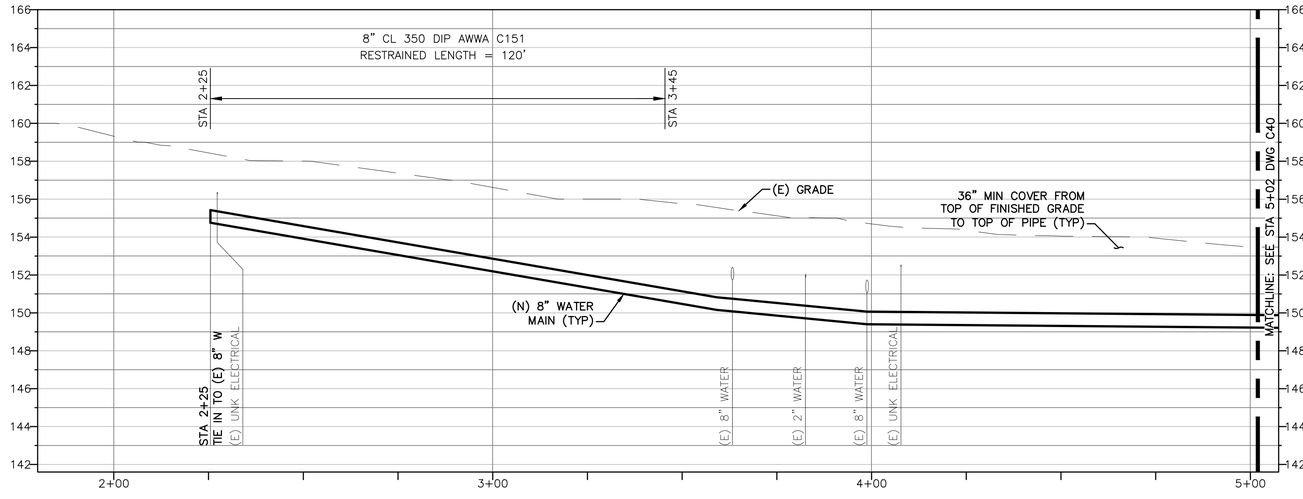
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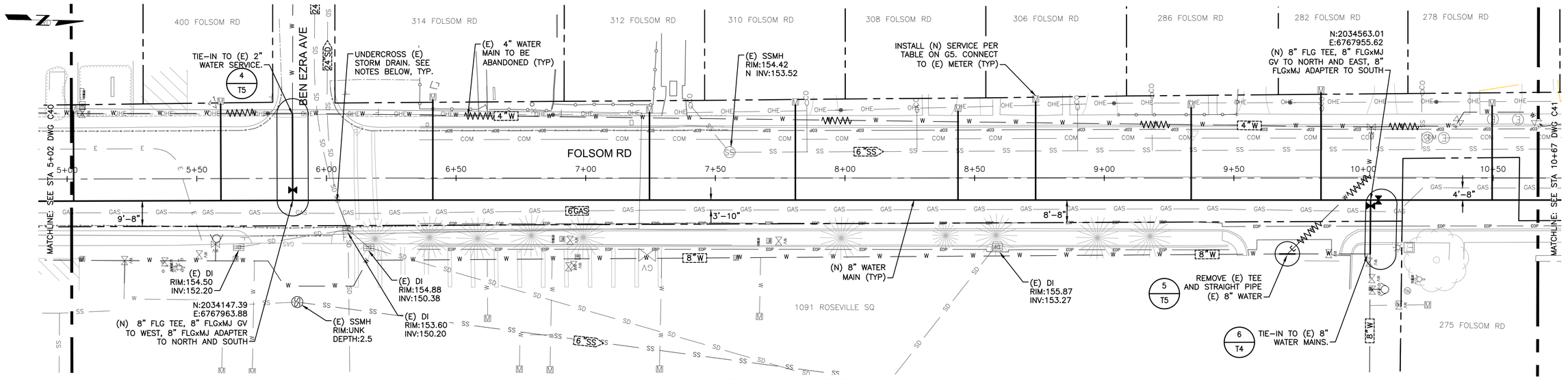
REGISTERED PROFESSIONAL ENGINEER – THOMAS M. LUTH – NO. C68171 Exp. 9/30/21 – CIVIL – STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

FOLSOM RD PLAN AND PROFILE
STA 0+00 TO 5+02

DWG. NO. C39
SHEET 45 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



FOLSOM RD

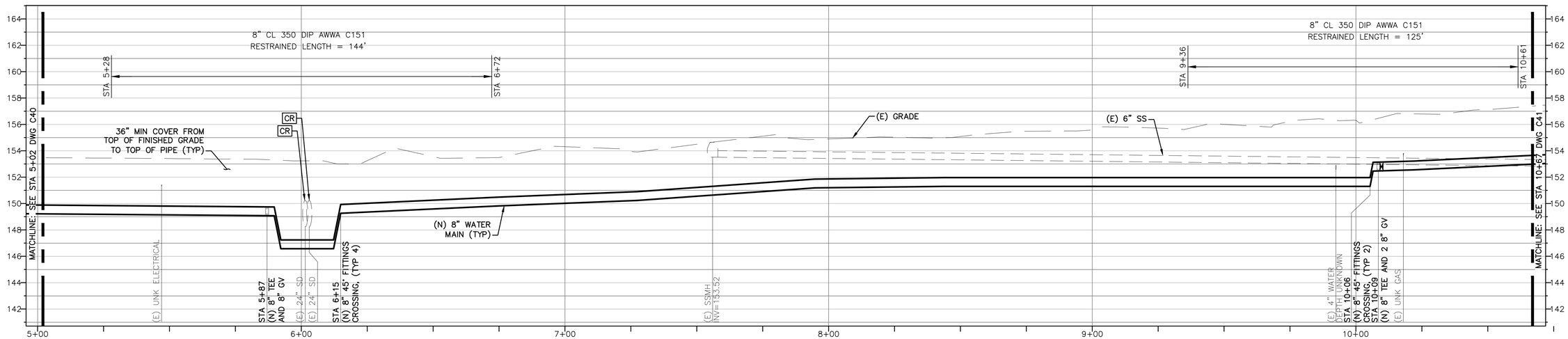
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SCALE:
HORZ 1"=20'
VERT 1"=4'

WARNING
0 1/2 1
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DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

DOMENICHELLI & ASSOCIATES
5180 Golden Foothill Parkway Ste. 220
El Dorado Hills, CA 95762
Ph: (916) 933–1997
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CITY OF ROSEVILLE CALIFORNIA
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ROSEVILLE, CA 95747 PHONE: 916-774-5750

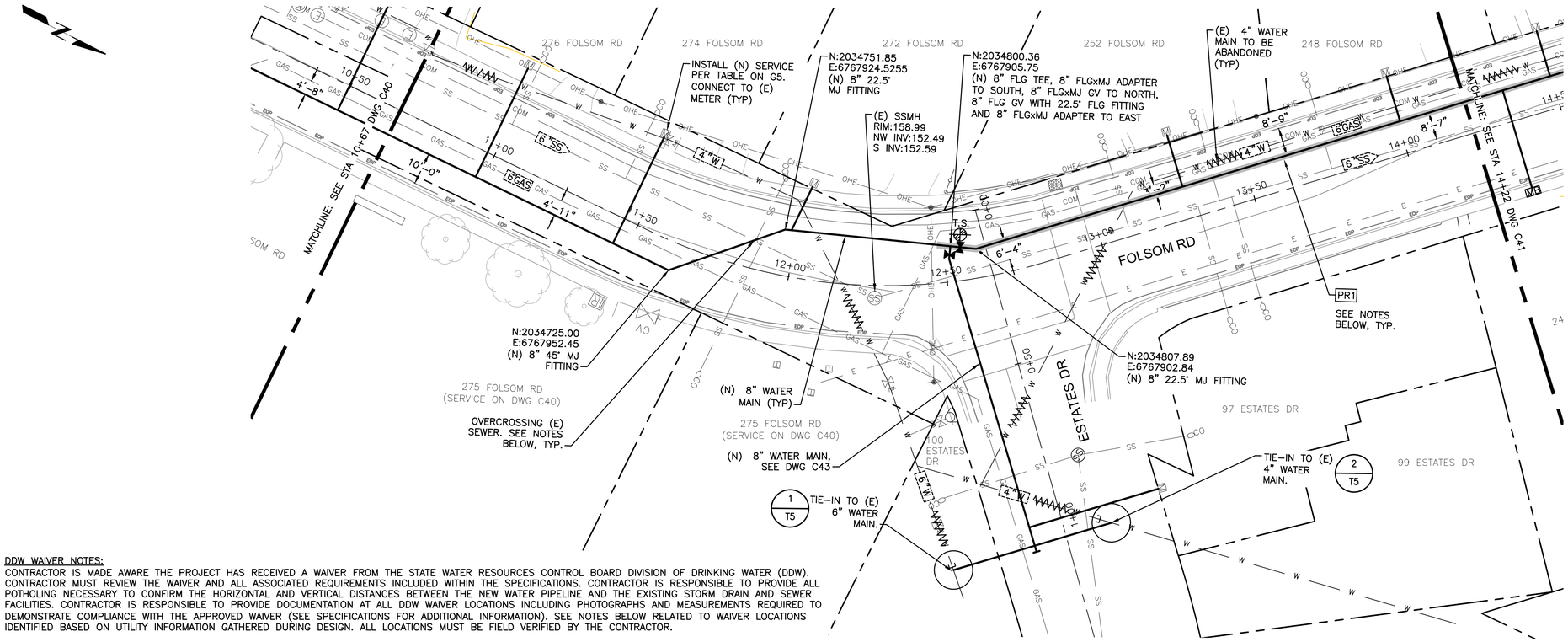
REGISTERED PROFESSIONAL ENGINEER
THOMAS M. DUGAN
NO. C68171
Exp. 9/30/21
CIVIL
STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

FOLSOM RD PLAN AND PROFILE
STA 5+02 TO 10+67

DWG. NO. C40
SHEET 46 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



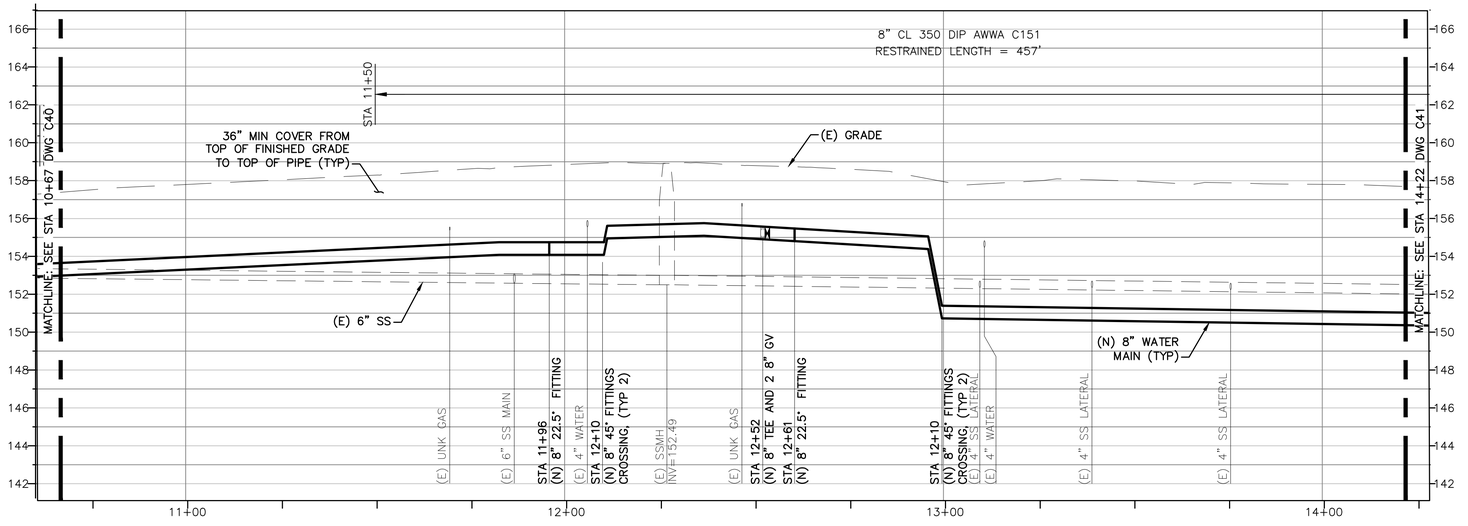
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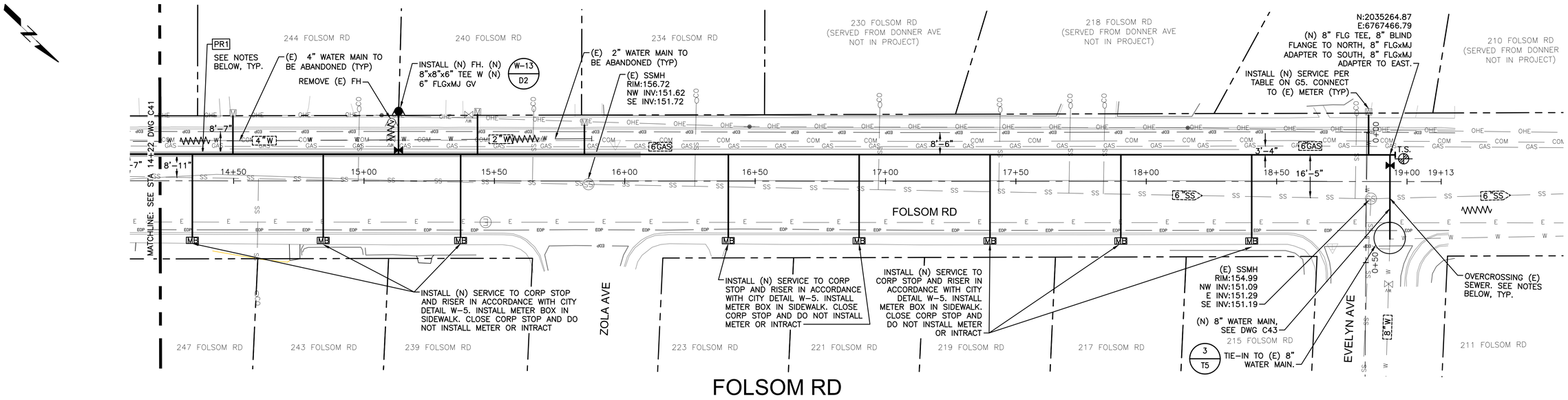
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DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

FOLSOM RD PLAN AND PROFILE
STA 10+67 TO 14+22

DWG. NO. C41
SHEET 47 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



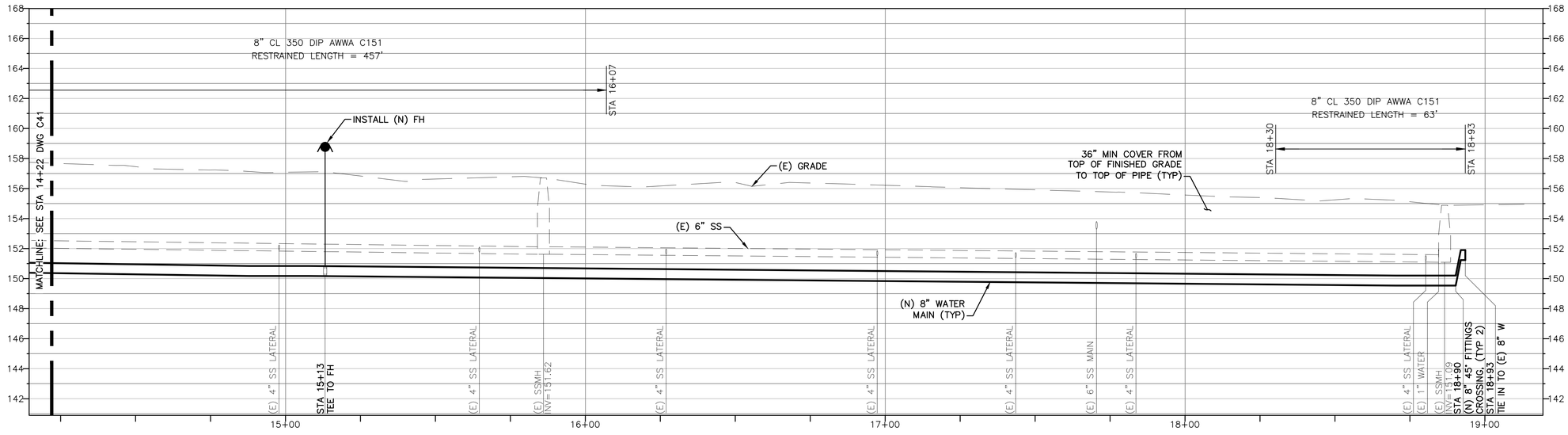
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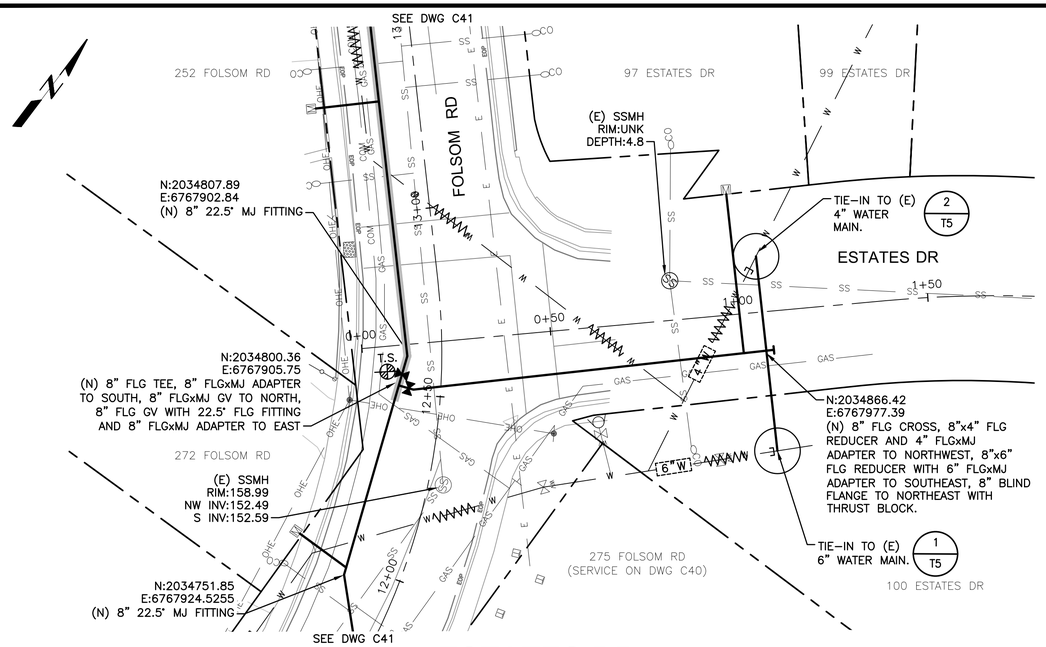
REGISTERED PROFESSIONAL ENGINEER THOMAS M. DUGAN NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

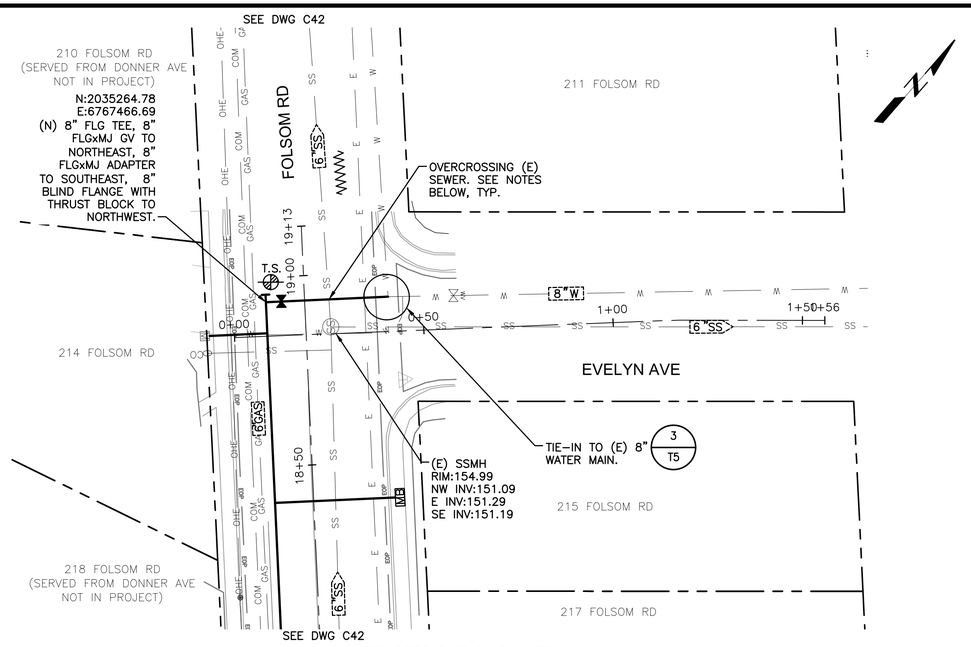
FOLSOM RD PLAN AND PROFILE
STA 14+22 TO 19+13

DWG. NO. C42
SHEET 48 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



ESTATES DR



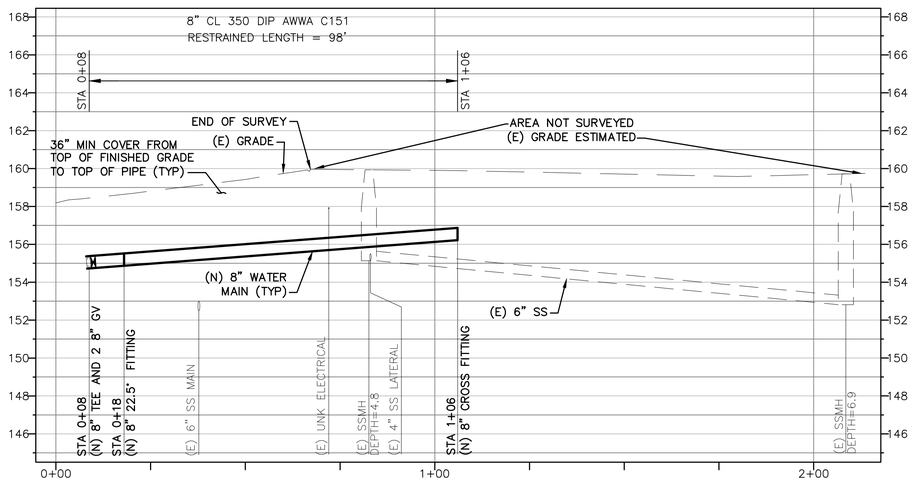
EVELYN AVE

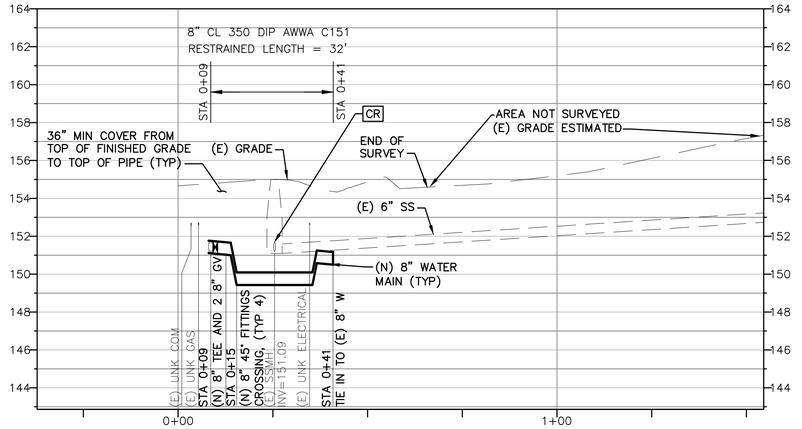
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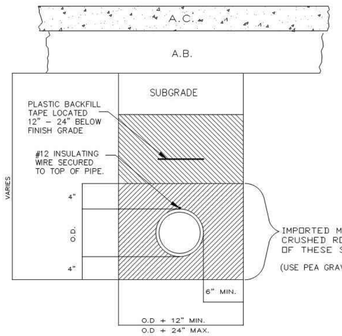
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DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

ESTATES RD / EVELYN AVE PLAN AND PROFILE
STA 0+00 TO 1+50 AND 0+00 TO 1+56

DWG. NO. C43
SHEET 49 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - C SHEETS.DWG
20201013.110636



TRENCH BACKFILL REQUIREMENTS:

1. PROPOSED STREETS – REFER TO DETAIL TB–1 OF SECTION 31 FOR BACKFILL REQUIREMENTS ABOVE THE PIPE ZONE. *
2. EXISTING STREETS – REFER TO DETAILS TB–1 AND TB–3 OF SECTION 31 FOR BACKFILL REQUIREMENTS ABOVE THE PIPE ZONE.

RICHARD PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

NOTES:

BACKFILL SHALL BE MECHANICALLY CONSOLIDATED OR SHOVEL SLICED UNDER THE HAUNCHES OF THE PIPE.

IN ROCKY OR UNYIELDING SOIL, THE TRENCH SHALL BE EXCAVATED A MINIMUM OF 12" BELOW THE PIPE AND THE TRENCH WIDTH SHALL BE INCREASED BY 12".

ONE 12" WIDE STRIP OF BACKFILL TAPE SHALL BE USED FOR EVERY 12" PIPE DIAMETER OR FRACTION THERE OF.

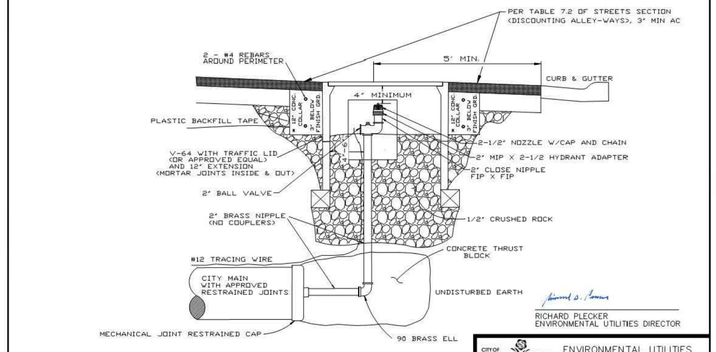
CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

WATER MAIN TRENCH AND BACKFILL

SCALE: NONE
REVISED: JANUARY 2019
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W–1

* SEE DETAIL 3/D4 FOR TRENCH BACKFILL REQUIREMENTS.



NOTE:
BURIED BRASS PIPE AND FITTINGS SHALL BE WRAPPED WITH 8 MIL POLYETHYLENE OR APPROVED EQUAL.

BLOWOFFS OUTSIDE OF PAVED AREAS SHALL BE A MINIMUM OF 6" ABOVE GRADE AND MARKED WITH A CARSONITE MARKER.

* OPTION: CONCRETE COLLAR MAY BE PLACED FLUSH TO FINISHED SURFACE WITH MEDIUM BROOM FINISH PERPENDICULAR TO VEHICLE TRAVEL DIRECTION.

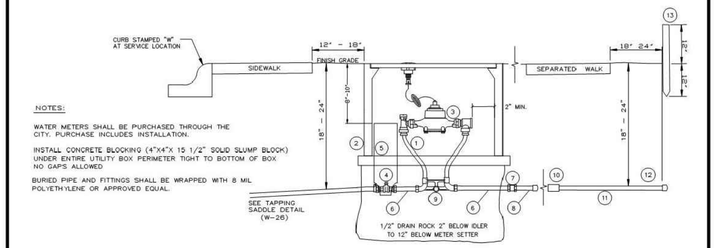
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CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

2" BLOWOFF HYDRANT ASSEMBLY

SCALE: NONE
REVISED: JANUARY 2020
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W–4



NOTES:

WATER METERS SHALL BE PURCHASED THROUGH THE CITY. PURCHASE INCLUDES INSTALLATION.

INSTALL CONCRETE BLOCKING (4"X4"X 15 1/2" SOLID SLUMP BLOCK) UNDER ENTIRE UTILITY BOX PERIMETER TIGHT TO BOTTOM OF BOX. NO GAPS ALLOWED

BURIED PIPE AND FITTINGS SHALL BE WRAPPED WITH 8 MIL POLYETHYLENE OR APPROVED EQUAL.

1) METER SETTER WITH IDLER
2)* N–30 UTILITY BOX WITH FL 30 METER LID FOR 1" SERVICE
3) WATER METER (PURCHASED THROUGH CITY)
4) CURB STOP (COMPRESSION X FIPT)
5) 4" DIA. BLUE SCHEDULE 40 RISER (NOTCHED OVER PIPE AT BASE)
6) 4" METER SPUD
7) BRASS COUPLING (FIPT X FIPT)
8) 18" BRASS NIPPLE WITH END CAP (FOR ATTACHED SIDEWALK)
9) SCH. 40 PVC THROUGH PIPE EYE
10) BRASS–PVC ADAPTER
11) 1 1/2" PVC
12) PVC END CAP
13) 2"X2" RDWD. STAKE PAINTED BLUE

* IF LOCATED IN THE DRIVEWAY USE A B1324 BOX W/STEEL CHECKER COVER #B1324–513H OR APPROVED EQUAL.

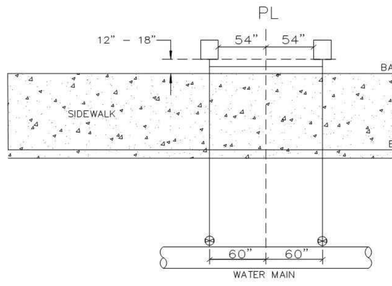
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CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

RESIDENTIAL 1" SERVICE LINE

SCALE: NONE
REVISED: JANUARY 2020
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W–5



NOTE: REFER TO DETAIL W–18 FOR "WATER SERVICE TRENCH AND BACKFILL"

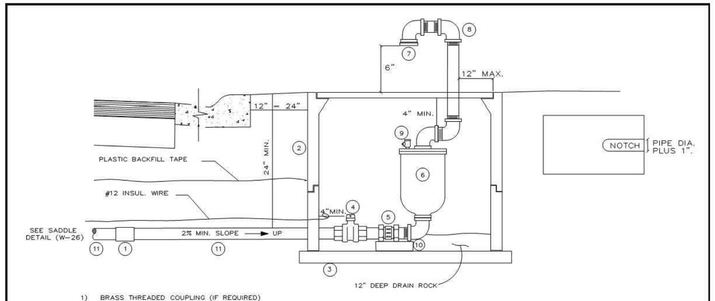
RICHARD PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

RESIDENTIAL WATER SERVICE

SCALE: NONE
REVISED: JANUARY 2016
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W–9



1) BRASS THREADED COUPLING (IF REQUIRED)
2) B–40 UTILITY BOX W/TRAFFIC COVER MARKED, "RSVL ARV" IF EXTENSION IS REQ. MOTAR EXTENSION JOINT INSIDE & OUT.
3) 3" x 5" CONCRETE BRICK UNDER ENTIRE PERIMETER OF UTILITY BOX.
4) CURB STOP
5) BRASS UNION
6) COMBINATION AIR / VACUUM VALVE
7) BRASS CAP WITH 9 DRILLED 1/16" HOLES OR APPROVED EQUAL.
8) USE GALVANIZED PIPE AND FITTINGS ABOVE GROUND
9) 1/4" TEST COCK
10) CONCRETE BLOCK FOR SUPPORT
11) THREADED BRASS PIPE

NOTE:
BURIED PIPE AND FITTINGS SHALL BE WRAPPED WITH 8 MIL POLYETHYLENE OR APPROVED EQUAL.

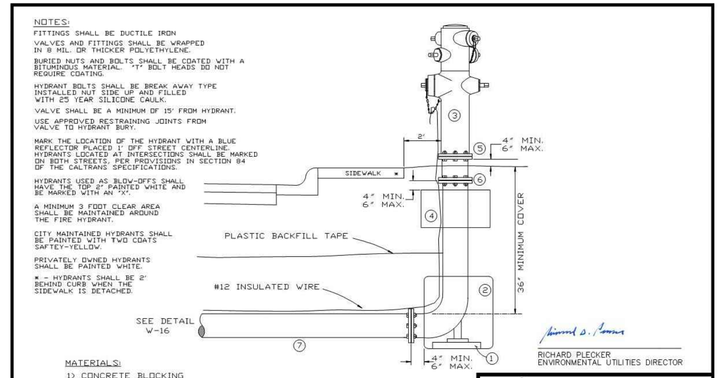
RICHARD PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

1" AND 2" AIR RELEASE VALVE ASSEMBLY

SCALE: NONE
REVISED: JANUARY 2017
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W–12



MATERIALS:
1) CONCRETE BLOCKING
2) CONCRETE SUPPORT AGAINST UNDISTURBED SOIL
3) FIRE HYDRANT (LEAD FREE)
4) 12" X 12" X 12" CONCRETE COLLAR FOR STABILITY
5) BREAK AWAY SPOOL WITH BREAK AWAY BOLTS ON HYDRANT FLANGE ONLY
6) NON-BREAKAWAY BOLTS
7) FULLY RESTRAINED DUCTILE IRON PIPE ENTIRE LENGTH

RICHARD PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

FIRE HYDRANT ASSEMBLY

SCALE: NONE
REVISED: JANUARY 2017
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W–13

REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION
REV	DATE	BY	DESCRIPTION

SCALE: N.T.S.

WARNING 0 1/2 1
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DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

DOMENICHELLI & ASSOCIATES
5180 Golden Foothill Parkway Ste. 220
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CITY OF ROSEVILLE CALIFORNIA
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REGISTERED PROFESSIONAL ENGINEER — THOMAS M. DOMENICHELLI — NO. C68171 Exp. 9/30/21 — CIVIL — STATE OF CALIFORNIA

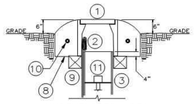
DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

STANDARD DETAILS 1

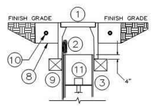
DWG. NO. D1

SHEET 50 OF 58

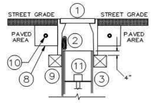
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20201007.094017



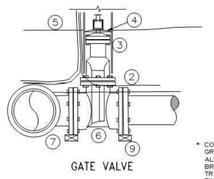
UNDEVELOPED AREA



LANDSCAPED AREA



PAVED AREA



GATE VALVE

MATERIALS

1) CONCRETE VALVE BOX
2) #12 INSULATED TRACING WIRE OUTSIDE RISER
3) 8" RISER STOCK
4) RISER ALIGNER
5) PLASTIC BACKFILL TAPE
6) GATE VALVE
7) DUCTILE IRON TEE
8) CONCRETE COLLAR (SEE NOTES) *
9) CONCRETE BRICK (SEE NOTES)
10) #4 REBAR AROUND CIRCUM. (TYP.)
11) VALVE EXTENSION PER SECTION 81-12.8

* CONCRETE COLLAR SHALL BE PLACED FLUSH TO FINISH GRADE IN ALL COLLECTORS AND ARTERIALS. OPTIONAL IN ALL OTHER ROADWAYS. FINISH SURFACE SHALL BE MEDIUM BROOM FINISH WITH PATTERN PERPENDICULAR TO VEHICLE TRAVEL DIRECTION. SET COLLAR 1/8" BELOW ADJACENT FINISHED PAVEMENTS.

NOTES:

TRACING WIRE THROUGH VALVE BOXES SHALL BE PLACED OUTSIDE OF RISER BUT INSIDE OF BOX.

TRACING WIRE SHALL BE SPLICED INSIDE THE VALVE BOX PER (W-17) AND SHALL LOOP WITHIN THE VALVE BOX WITH 18" OF SLACK WIRE

ALL GATE VALVES SHALL BE CENTERED IN A ONE PIECE RISER STOCK WITH THE USE OF A RISER ALIGNER

OPERATOR NUTS DEEPER THAN 40 INCHES FROM FINISH GRADE SHALL REQUIRE A VALVE NUT EXTENSION 2 FEET MINIMUM IN LENGTH.

VALVE BOXES LOCATED IN A PAVED AREA SHALL BE PLACED IN A 6" X 6" CONCRETE COLLAR A MINIMUM OF 3" BELOW PAVEMENT

VALVE BOXES LOCATED IN A LANDSCAPED AREA SHALL BE PLACED IN A 6" X 6" CONCRETE COLLAR AT FINISHED GRADE.

VALVE BOXES LOCATED IN AN UNDEVELOPED AREA SHALL BE PLACED IN A 12" DEEP BY 6" WIDE CONCRETE COLLAR 6 INCHES ABOVE GRADE.

INSTALL (3" X 5" CONCRETE BRICK) UNDER ENTIRE PERIMETER OF BOX.

VALVES AND FITTINGS SHALL BE WRAPPED AND SEALED IN 8 MIL POLYETHYLENE

VALVE RISOR STOCK SHALL BE A MINIMUM OF 4" INSIDE VALVE BOX AND MINIMUM 2" BELOW METAL RING.

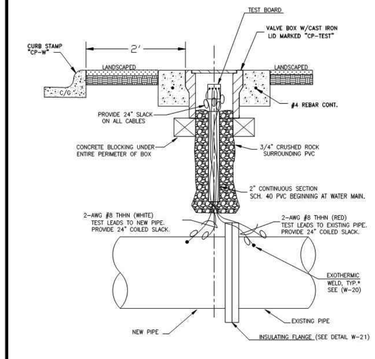
RICHARD PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

GATE VALVE & BOX

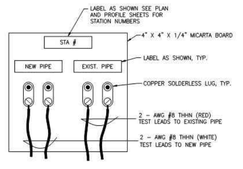
SCALE: NONE
REVISED: JANUARY 2020
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W-16



TEST STATION (TYPICAL)

*FOR VALVES WELD ON FLANGE



TEST STATION BOARD (TYPICAL)

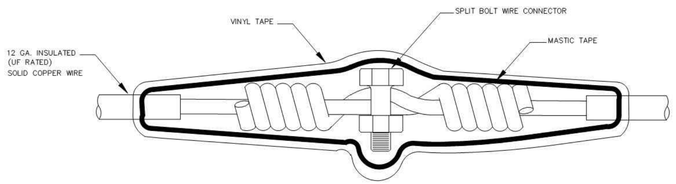
RICHARD PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

INSULATING FLANGE TEST STATION

SCALE: NONE
REVISED: JANUARY 2017
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W-19



NOTES:

1. TWIST THE WIRE A MINIMUM OF (5) TIMES ON EACH END.
2. INSTALL SPLIT BOLT CONNECTOR.
3. SOLDER WIRE.
4. COVER THE ENTIRE SPLICE WITH MASTIC TAPE WRAP
5. WRAP MASTIC WITH VINYL TAPE.
6. WIRE SPLICES SHALL BE LOCATED WITHIN A VALVE BOX PER DETAIL W-16.

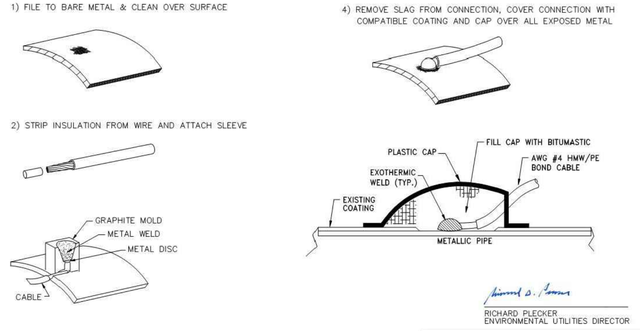
RICHARD PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

TRACING WIRE SPLICE

SCALE: NONE
REVISED: JANUARY 2016
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W-17



NOTE:
EACH JOINT SHALL HAVE TWO SEPARATE WELD WIRES.

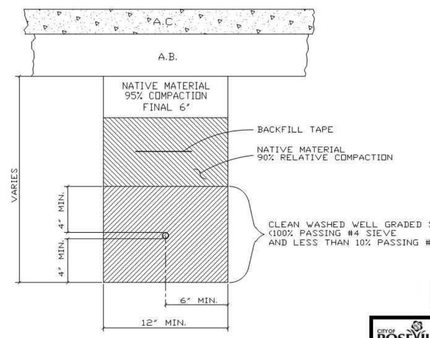
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ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

EXOTHERMIC WELD

SCALE: NONE
REVISED: JANUARY 2016
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W-20



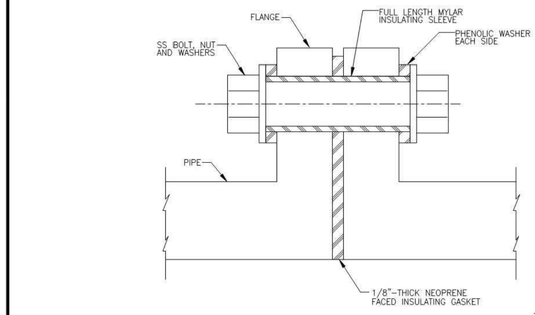
RICHARD PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

TRENCH AND BACKFILL FOR ALL WATER LINES 2" AND SMALLER

SCALE: NONE
REVISED: JANUARY 2016
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W-18



NOTES:

1. DIELECTRIC FLANGE KITS SHALL BE MANUFACTURED BY F.H. MALONEY CP., CALPICO OR APPROVED EQUAL
2. PROVIDE AN INSULATING FLANGE TEST STATION FOR THE INSULATED FLANGE.

RICHARD PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

INSULATED FLANGE

SCALE: NONE
REVISED: JANUARY 2015
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W-21

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DESIGNED T. DUGAN
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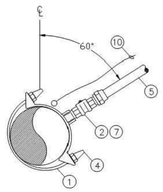
REGISTERED PROFESSIONAL ENGINEER — RICHARD M. DOMENICHELLI — NO. C68171 Exp. 9/30/21 — CIVIL — STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

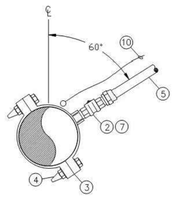
STANDARD DETAILS 2

DWG. NO. D2
SHEET 51 OF 58

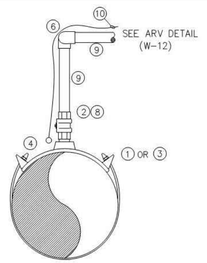
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DOUBLE STRAP
DUCTILE IRON PIPE SADDLE



PVC PIPE SADDLE



ARV SADDLE

MATERIALS:

1.) DOUBLE STRAP BRASS SADDLE FOR DUCTILE IRON MAIN
2.) INSULATING CORPORATION STOP OR NON INSULATED CORPORATION STOP WITH NYLON BUSHING
3.) BRASS SADDLE FOR PVC MAIN
4.) ZINC CAPS ON ALL BOLTS (ONLY WITH NON-INSULATED CORPORATION STOP)
5.) COPPER SERVICE
6.) SWING JOINT (2 - 90° BRASS FITTINGS)
7.) CORP STOP W/COMPRESSION COUPLING
8.) CORP STOP W/THREADED COUPLING
9.) THREADED BRASS PIPE
10.) TRACING WIRE (FOR COMMERCIAL SERVICES ONLY)

NOTES:

WRAP CORPORATION STOP AND COPPER SERVICE A MINIMUM OF 3' WITH AN APPROVED DIELECTRIC TAPE AND POLYKEN PRIMER PER MANUFACTURER'S RECOMENDATIONS.

SADDLES SHALL BE WRAPPED IN 8 MIL POLYETHYLENE AND BACKFILLED WITH SAND.

TRACING WIRE SHALL BE REQUIRED ON ARV, HYDRANT RUNS, BLOW OFFS, SERVICES WITHOUT CONTINUOUS COPPER PIPE, AND OTHER MAJOR APPURTENANCES.

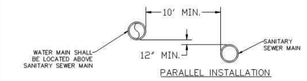
RICHARD PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

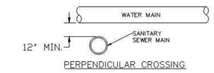
SADDLE DETAIL

SCALE: NONE
REVISED: JANUARY 2016
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

W-26

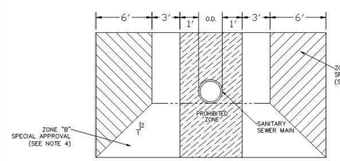


PARALLEL INSTALLATION

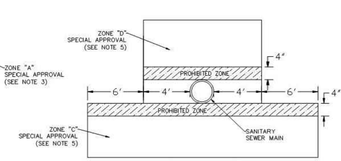


PERPENDICULAR CROSSING

BASIC SEPERATION REQUIREMENTS



PARALLEL INSTALLATION



PERPENDICULAR CROSSING

NOTES:

1. THE CONTRACTOR SHALL FOLLOW THE CITY OF ROSEVILLE STANDARDS AND TITLE 22 OF THE CALIFORNIA ADMINISTRATIVE CODE FOR THE SEPARATION REQUIREMENTS BETWEEN WATER MAINS AND SANITARY SEWER MAINS GUIDELINES PREPARED BY THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH SERVICES.
2. WHEN THE BASIC SEPARATION REQUIREMENTS CANNOT BE MET, THE CONTRACTOR SHALL INSTALL WATER MAINS ACCORDING TO THE SPECIAL SEPARATION REQUIREMENTS.
3. WHEN LOCATED IN ZONE "A", THE WATER MAIN SHALL BE DUCTILE IRON PIPE (DIP) OR PVC C-900 CLASS 200 PR CITY OF ROSEVILLE STANDARDS.
4. NO WATER MAINS PARALLEL TO SANITARY SEWER MAINS SHALL BE INSTALLED WITHIN ZONE "B" WITHOUT SPECIAL APPROVAL FROM THE DEPARTMENT OF HEALTH SERVICES.
5. WHEN LOCATED IN ZONE "C", THE WATER MAIN SHALL HAVE NO JOINTS WITHIN FIVE FEET (5') FROM EITHER SIDE OF THE SANITARY SEWER CROSSING AND BE DUCTILE IRON PIPE (DIP) AND CONCRETE ENCASED.
6. WHEN LOCATED IN ZONE "D", THE WATER MAIN SHALL HAVE NO JOINTS WITHIN FIVE FEET (5') FROM EITHER SIDE OF THE SANITARY SEWER CROSSING AND BE DUCTILE IRON PIPE (DIP) PER CITY OF ROSEVILLE STANDARDS.
7. WATER MAINS AND SANITARY SEWER MAINS SHALLL NOT BE INSTALLED IN THE SAME TRENCH.

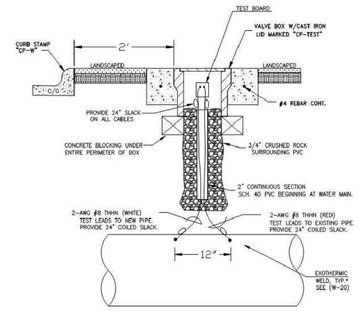
RICH PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

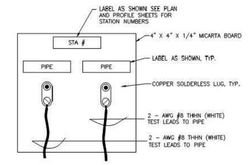
WATER MAIN AND SEWER MAIN CROSSING

SCALE: NONE
REVISED: JANUARY 2018
DRAWN BY: J. CUMMINGS
APPROVED BY: R. PLECKER

W-39



TEST STATION (TYPICAL)



TEST STATION BOARD (TYPICAL)

RICHARD PLECKER
ENVIRONMENTAL UTILITIES DIRECTOR

CITY OF ROSEVILLE CALIFORNIA — ENVIRONMENTAL UTILITIES DEPARTMENT

TEST STATION

SCALE: NONE
REVISED: JANUARY 2019
DRAWN BY: D. SAMUELSON
APPROVED BY: RICHARD PLECKER

W-40

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Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - D SHEETS.DWG

20201007.094017

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	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION
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WARNING
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DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

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CITY OF ROSEVILLE CALIFORNIA
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REGISTERED PROFESSIONAL ENGINEER — THOMAS M. [illegible] — NO. C68171 Exp. 9/30/21 — CIVIL — STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

STANDARD DETAILS 2

DWG. NO. D3
SHEET 52 OF 58

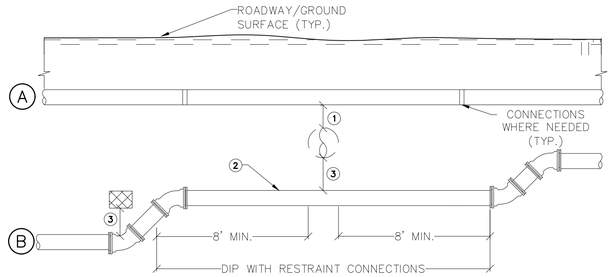
LEGEND:

PVC = POLYVINYLCHLORIDE PIPE
DU = DRY UTILITY
MJ = MECHANICAL JOINT
SD = STORM DRAIN
SS = SANITARY SEWER

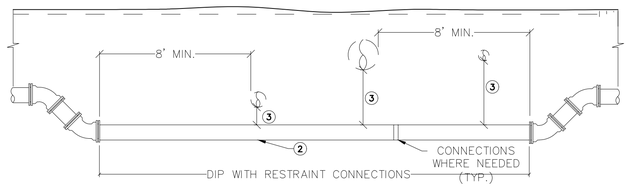
NOTES:

1. WHEN CROSSING ABOVE AN EXISTING NON–POTABLE PIPELINE WITH A VERTICAL SEPARATION LESS THAN 12" (4" CLEARANCE MIN), CENTER A FULL LENGTH 18' DIP OVER THE NON–POTABLE PIPE. PROVIDE RESTRAINED CONNECTIONS WITHIN 8' HORIZONTAL OF NON–POTABLE PIPE IF NECESSARY.
2. INSTALL FULL LENGTH 18' DIP CENTERED AT CROSSING OF EXISTING NON–POTABLE PIPE. WHEN MULTIPLE WET UTILITIES TYPES ARE CROSSED, NEW PIPE SECTION MUST BE CENTERED AT SS.
3. MINIMUM VERTICAL CLEARANCE:
   ALL UTILITIES: 12" MIN.
   *PROVIDE 12" MIN. CLEARANCE FOR 8' HORIZONTAL
4. WHEN THE OUTSIDE HORIZONTAL DISTANCE OF TWO PARALLEL SS PIPES IS 12' OR LESS: PLACE ONE FULL LENGTH 18' DIP WATER PIPE CENTERED UNDER THE TWO SS PIPES.
5. WHEN THE OUTSIDE HORIZONTAL DISTANCE OF TWO PARALLEL SS PIPES IS MORE THAN 12': PLACE WATER PIPE JOINT CENTERED BETWEEN THE TWO SS PIPES.
6. THIS DETAIL COMPLIES WITH CALIFORNIA CODE OF REGULATIONS TITLE 22, CHAPTER 16, SECTION 64572.

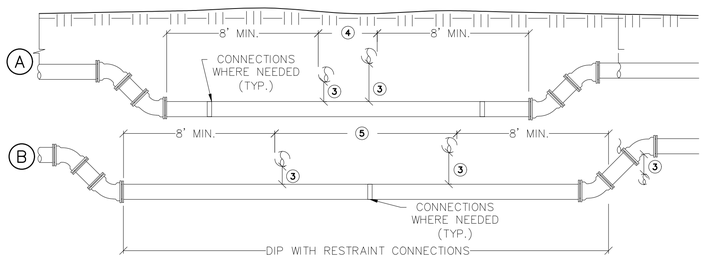
TYPE 1:
NEW WATER MAIN CROSSING ABOVE AND BELOW EXISTING UTILITY (SINGLE)



TYPE 2:
NEW WATER MAIN CROSSING EXISTING UTILITIES (MULTIPLE)



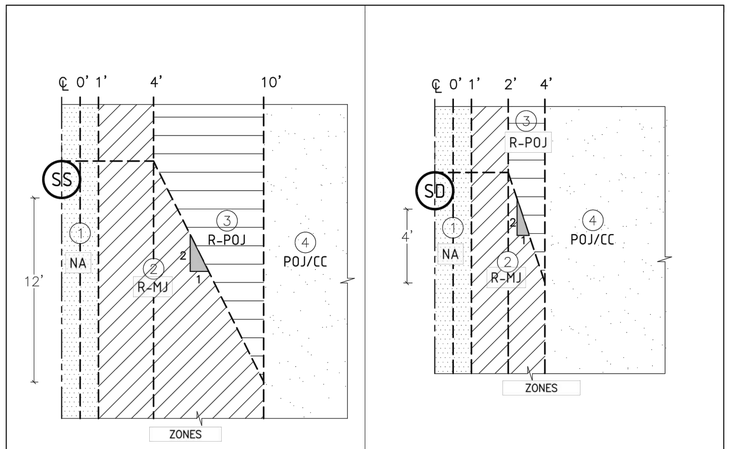
TYPE 3:
NEW WATER MAIN CROSSING SANITARY SEWER (MULTIPLE)



CROSSING UTILITIES DETAILS

NTS

1 TYP



NEW WATER MAIN PARALLEL TO EXISTING SANITARY SEWER MAIN

NEW WATER MAIN PARALLEL TO EXISTING STORM DRAIN MAIN

ZONE NOTES:

(1) CONSTRUCTION IN THIS ZONE IS NOT ALLOWED PER SECTION 64572 (A) CALIFORNIA CODE OF REGULATIONS, TITLE 22.

(2) CONSTRUCTION IN THIS ZONE REQUIRES USE OF RESTRAINED MJ CONNECTION FOR THE LENGTH OF THE PARALLEL SECTION.

(3) CONSTRUCTION IN THIS ZONE ALLOWS THE USE OF RESTRAINED POJ CONNECTIONS.

(4) CONSTRUCTION IN THIS ZONE ALLOWS USE OF CONVENTIONAL CONSTRUCTION INCLUDING POJ.

GENERAL NOTES:

1. ZONES IDENTICAL ON EITHER SIDE OF CENTER LINES.
2. THIS DETAIL COMPLIES WITH CALIFORNIA CODE OF REGULATIONS TITLE 22, CHAPTER 16, SECTION 64572.

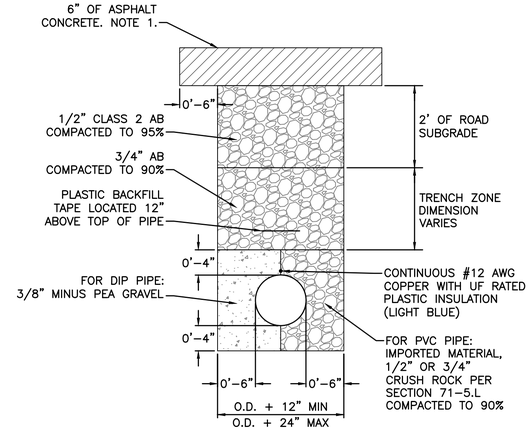
LEGEND:

CC = CONVENTIONAL CONSTRUCTION
NA = NOT ALLOWED
POJ = PUSH–ON–JOINT
R–MJ = RESTRAINT MECHANICAL JOINT
R–POJ = RESTRAINT PUSH–ON–JOINT
SD = STORM DRAIN
SS = SANITARY SEWER
(#) = ZONE DESIGNATION

EXISTING NON–POTABLE UTILITY NEW WATER MAIN PARALLELING

NOT TO SCALE

2 TYP



NOTES:

1. NEW ASPHALT CONCRETE MUST BE A MINIMUM OF 6–INCHES THICK OR THAT OF EXISTING, WHICHEVER IS GREATER.
2. TACK COAT ON ALL VERTICAL PAVEMENT SAWCUTS.
3. BACKFILL MUST BE MECHANICALLY CONSOLIDATED OR SHOVEL SLICED UNDER THE HAUNCHES OF THE PIPE.
4. IN ROCKY OR UNYIELDING SOIL, THE TRENCH MUST BE EXCAVATED A MINIMUM OF 12–INCHES BELOW THE PIPE AND THE TRENCH WIDTH MUST BE INCREASED BY 12–INCHES.
5. ONE 12" WIDE STRIP OF BACKFILL TAPE MUST BE USED FOR EVERY 12" PIPE DIAMETER OR FRACTION THERE OF.
6. PER CITY CONSTRUCTION STANDARD SECTION 71–4.D.5.g – EXISTING PAVEMENT, PAVEMENT 5–FEET OR LESS FROM THE GUTTER LIP TO THE EXCAVATED PATCH/PAVE AREA MUST BE REMOVED OR MILLED TO 0.15–FEET IN DEPTH, AND PATCHED CONFORMING TO THE ADJACENT PATCH/PAVE AREA REQUIREMENTS.

TRENCH SECTION

NOT TO SCALE

3 TYP

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 20201007.094017

REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION
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SCALE: N.T.S.

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DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

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2005 HILLTOP CIRCLE ROSEVILLE, CA 95747 PHONE: 916-774-5750

REGISTERED PROFESSIONAL ENGINEER THOMAS M. [illegible] NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

STANDARD DETAILS 3

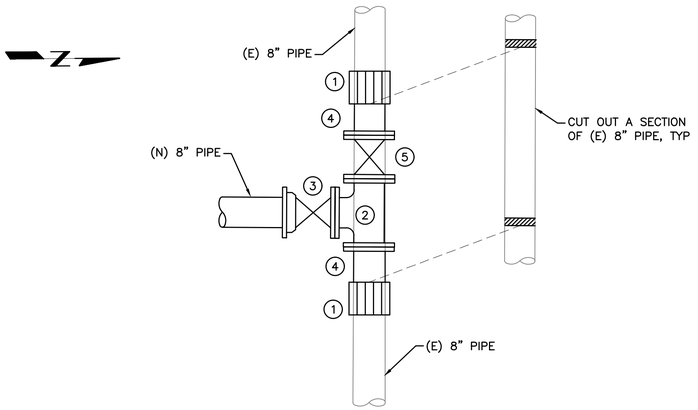
DWG. NO. D4
SHEET 53 OF 58

GENERAL NOTES (APPLICABLE TO ALL DETAILS):

1. NOT ALL UTILITIES BEING CROSSED OR IN THE VICINITY OF THE TIE–IN ARE SHOWN. CONTRACTOR MUST POTHOLE ALL UTILITIES AND NOTIFY THE ENGINEER OF ANY CONFLICTS.
2. ALL MJ FITTINGS ARE TO BE FULLY RESTRAINED WITH MEGALUGS.
3. CONTRACTOR TO POTHOLE AND VERIFY (E) PIPE DIAMETER, (E) PIPE MATERIAL AND EXISTING CONFIGURATION PRIOR TO ORDERING MATERIALS FOR TIE–INS AND ABANDONMENTS.
4. CONNECTION TO ACP (IF PRESENT) WILL REQUIRE A NON–RESTRAINED PIPE COUPLING AND ADDITIONAL THRUST BLOCKS NOT SHOWN. CONTRACTOR TO COORDINATE WITH CITY INSPECTOR.

1. 8" RESTRAINED COUPLING
2. 8" FLG TEE
3. 8" FLGxMJ GATE VALVE
4. 8" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
5. 8" FLG GATE VALVE

TIE–IN



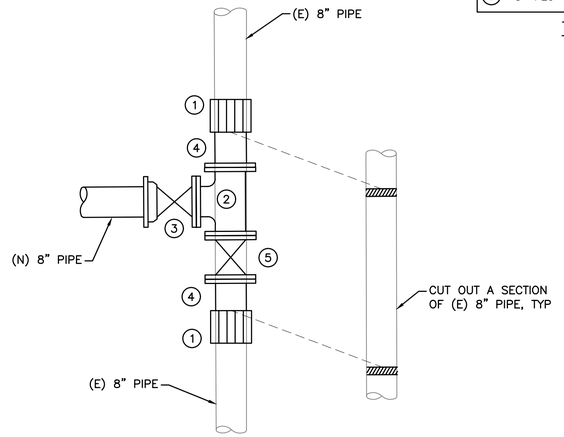
FRANKLIN ST STA 5+76

DETAIL 1/C1

NTS

1. 8" RESTRAINED COUPLING
2. 8" FLG TEE
3. 8" FLGxMJ GATE VALVE
4. 8" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
5. 8" FLG GATE VALVE

TIE–IN



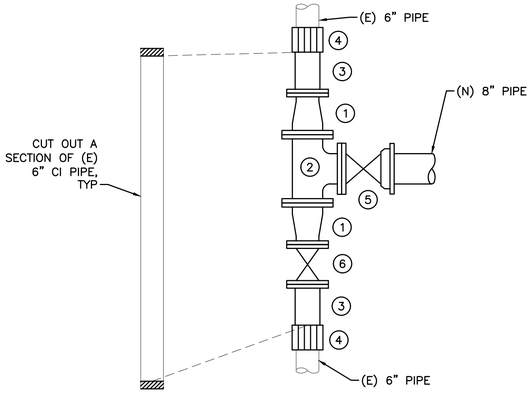
BONNY KNOLL RD STA 14+88

DETAIL 2/C4

NTS

1. 8"x6" FLGxFLG REDUCER
2. 8" FLG TEE
3. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
4. 6" RESTRAINED COUPLING
5. 8" FLGxMJ GATE VALVE
6. 6" FLG GATE VALVE

TIE–IN



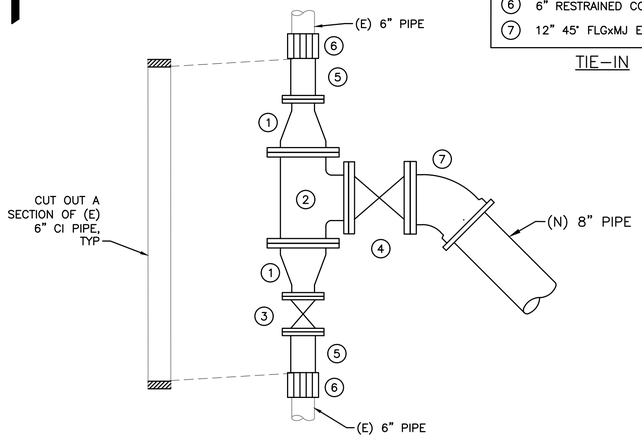
CAMELIA AVE STA 0+36

DETAIL 3/C6

NTS

1. 12"x6" FLGxFLG REDUCER
2. 12" FLG TEE
3. 6" FLG GATE VALVE
4. 12" FLG GATE VALVE
5. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
6. 6" RESTRAINED COUPLING
7. 12" 45° FLGxMJ ELBOW

TIE–IN



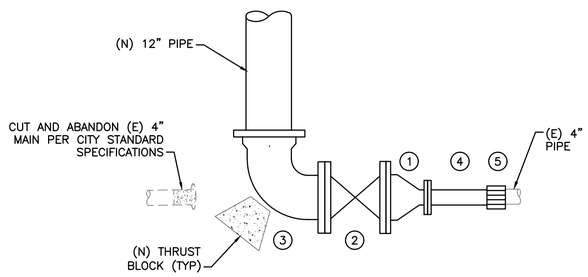
MELROSE AVE STA 0+26

DETAIL 4/C11

NTS

1. 12"x4" FLG REDUCER
2. 12" FLG GATE VALVE
3. 12" FLGxMJ 90° ELBOW
4. 4" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
5. 4" RESTRAINED COUPLING

TIE–IN



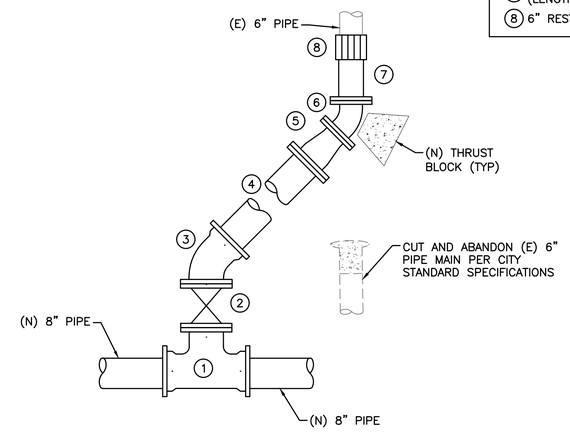
MELROSE AVE STA 16+35

DETAIL 5/C13

NTS

1. 8" MJxFLG TEE
2. 8" FLG GATE VALVE
3. 8" FLGxMJ 45° ELBOW
4. 8" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
5. 8"x6" FLG REDUCER
6. 8" FLG 45° ELBOW
7. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
8. 6" RESTRAINED COUPLING

TIE–IN



HILLCREST AVE STA 7+69

DETAIL 6/C15

NTS

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DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

TIE-IN DETAILS 1

DWG. NO. T1

SHEET 54 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - T SHEETS.DWG

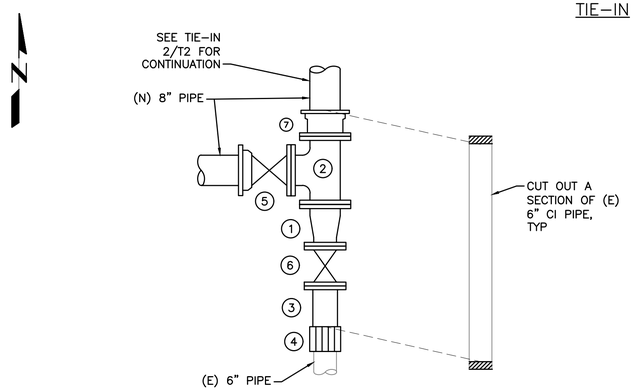
20201014.083722

GENERAL NOTES (APPLICABLE TO ALL DETAILS):

1. NOT ALL UTILITIES BEING CROSSED OR IN THE VICINITY OF THE TIE–IN ARE SHOWN. CONTRACTOR MUST POTHOLE ALL UTILITIES AND NOTIFY THE ENGINEER OF ANY CONFLICTS.
2. ALL MJ FITTINGS ARE TO BE FULLY RESTRAINED WITH MEGALUGS.
3. CONTRACTOR TO POTHOLE AND VERIFY (E) PIPE DIAMETER, (E) PIPE MATERIAL AND EXISTING CONFIGURATION PRIOR TO ORDERING MATERIALS FOR TIE–INS AND ABANDONMENTS.
4. CONNECTION TO ACP (IF PRESENT) WILL REQUIRE A NON–RESTRAINED PIPE COUPLING AND ADDITIONAL THRUST BLOCKS NOT SHOWN. CONTRACTOR TO COORDINATE WITH CITY INSPECTOR.

1. 8"x6" FLGxFLG REDUCER
2. 8" FLG TEE
3. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
4. 6" RESTRAINED COUPLING
5. 8" FLGxMJ GATE VALVE
6. 8" FLG GATE VALVE
7. 8" FLGxMJ ADAPTOR

TIE–IN



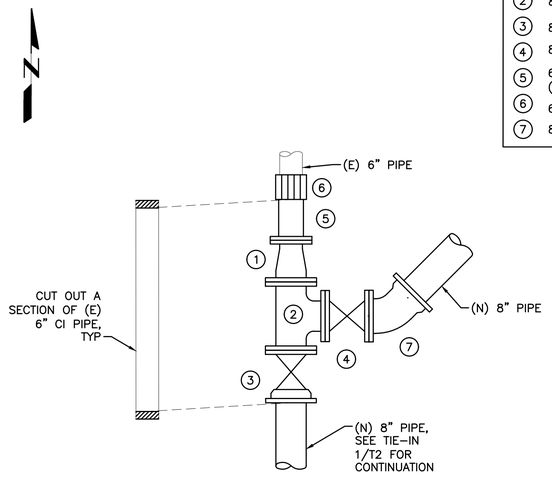
HILLCREST AVE STA 13+36

DETAIL 1/C16

NTS

1. 8"x6" FLGxFLG REDUCER
2. 8" FLG TEE
3. 8" FLGxMJ GATE VALVE
4. 8" FLG GATE VALVE
5. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
6. 6" RESTRAINED COUPLING
7. 8" 45° FLGxMJ ELBOW

TIE–IN



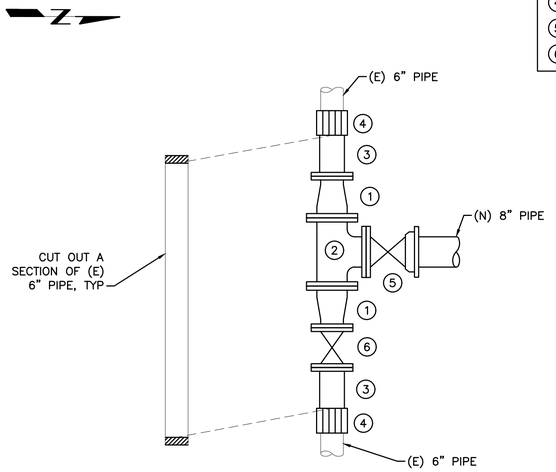
HILLCREST AVE STA 23+36

DETAIL 2/C16

NTS

1. 8"x6" FLGxFLG REDUCER
2. 8" FLG TEE
3. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
4. 6" RESTRAINED COUPLING
5. 8" FLGxMJ GATE VALVE
6. 6" FLG GATE VALVE

TIE–IN



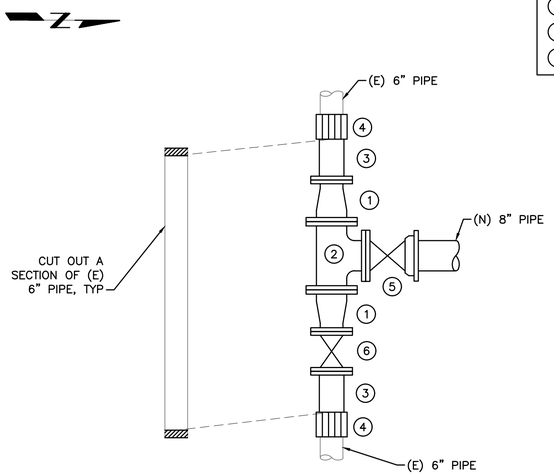
MARIETTI WAY STA 0+23

DETAIL 3/C19

NTS

1. 8"x6" FLGxFLG REDUCER
2. 8" FLG TEE
3. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
4. 6" RESTRAINED COUPLING
5. 8" FLGxMJ GATE VALVE
6. 6" FLG GATE VALVE

TIE–IN



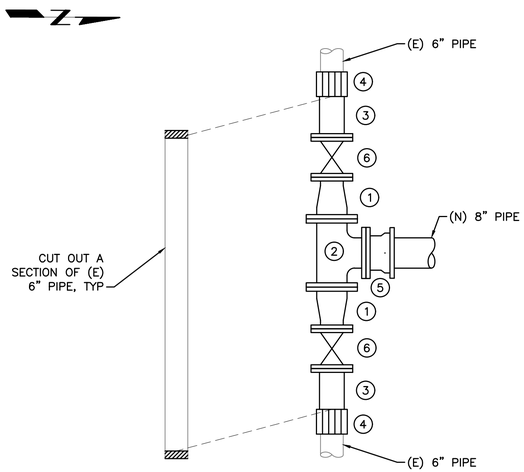
KING RD STA 0+21

DETAIL 4/C25

NTS

1. 8"x6" FLGxFLG REDUCER
2. 8" FLG TEE
3. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
4. 6" RESTRAINED COUPLING
5. 8" MJxFLG ADAPTOR
6. 6" FLG GATE VALVE

TIE–IN



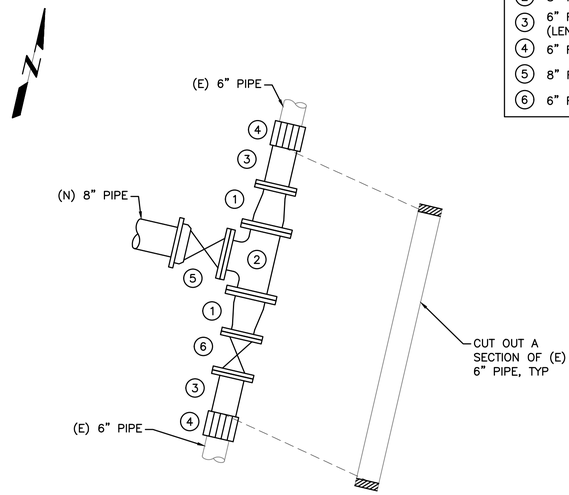
HIGHLAND AVE STA 0+25

DETAIL 5/C27

NTS

1. 8"x6" FLGxFLG REDUCER
2. 8" FLG TEE
3. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
4. 6" RESTRAINED COUPLING
5. 8" FLGxMJ GATE VALVE
6. 6" FLG GATE VALVE

TIE–IN



POPPY LN STA 4+37

DETAIL 6/C29

NTS

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DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

TIE-IN DETAILS 2

DWG. NO. T2

SHEET 55 OF 58

20201014.083722

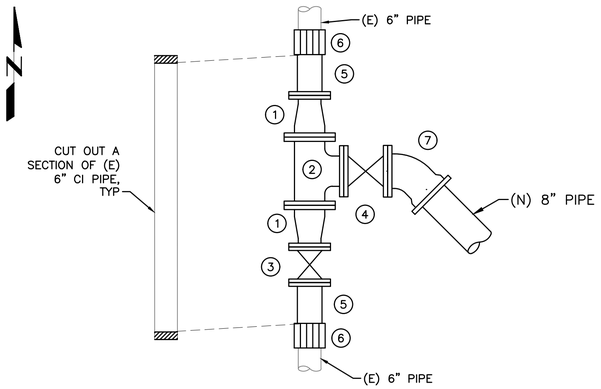
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GENERAL NOTES (APPLICABLE TO ALL DETAILS):

1. NOT ALL UTILITIES BEING CROSSED OR IN THE VICINITY OF THE TIE–IN ARE SHOWN. CONTRACTOR MUST POTHOLE ALL UTILITIES AND NOTIFY THE ENGINEER OF ANY CONFLICTS.
2. ALL MJ FITTINGS ARE TO BE FULLY RESTRAINED WITH MEGALUGS.
3. CONTRACTOR TO POTHOLE AND VERIFY (E) PIPE DIAMETER, (E) PIPE MATERIAL AND EXISTING CONFIGURATION PRIOR TO ORDERING MATERIALS FOR TIE–INS AND ABANDONMENTS.
4. CONNECTION TO ACP (IF PRESENT) WILL REQUIRE A NON–RESTRAINED PIPE COUPLING AND ADDITIONAL THRUST BLOCKS NOT SHOWN. CONTRACTOR TO COORDINATE WITH CITY INSPECTOR.

1. 8"x6" FLGxFLG REDUCER
2. 8" FLG TEE
3. 6" FLG GATE VALVE
4. 8" FLG GATE VALVE
5. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
6. 6" RESTRAINED COUPLING
7. 8" 45° FLGxMJ ELBOW

TIE–IN



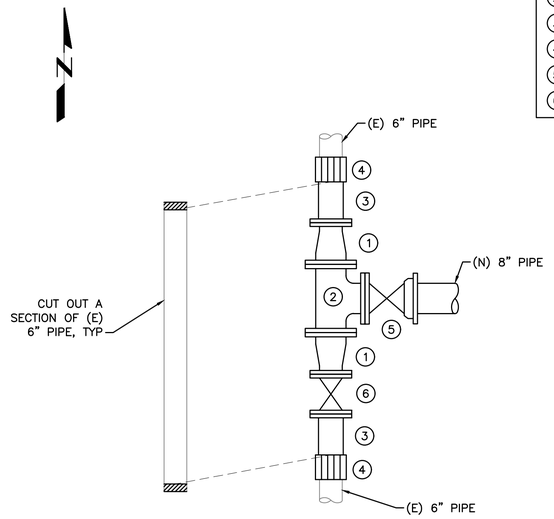
COLNAR ST STA 0+24

DETAIL 1/C32

NTS

1. 8"x6" FLGxFLG REDUCER
2. 8" FLG TEE
3. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
4. 6" RESTRAINED COUPLING
5. 8" FLGxMJ GATE VALVE
6. 6" FLG GATE VALVE

TIE–IN



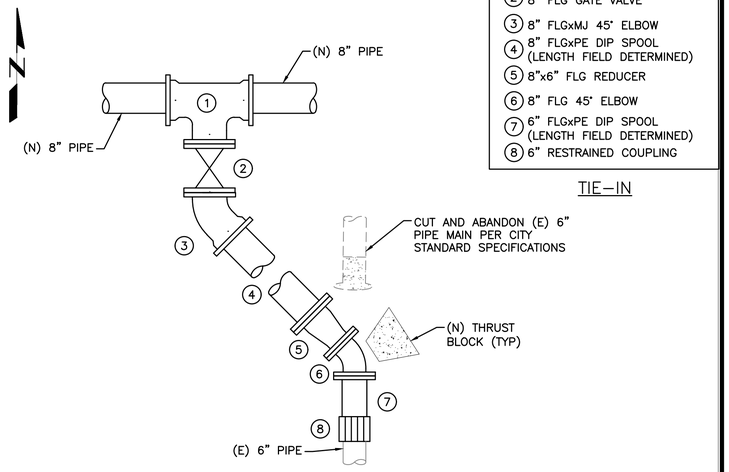
VINE AVE STA 0+29

DETAIL 2/C35

NTS

1. 8" MJxFLG TEE
2. 8" FLG GATE VALVE
3. 8" FLGxMJ 45° ELBOW
4. 8" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
5. 8"x6" FLG REDUCER
6. 8" FLG 45° ELBOW
7. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
8. 6" RESTRAINED COUPLING

TIE–IN



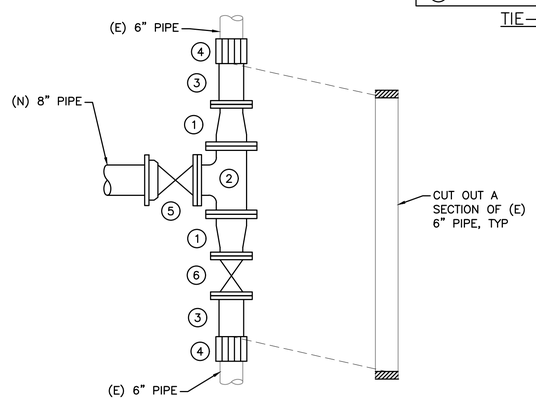
VINE AVE STA 2+61

DETAIL 3/C35

NTS

1. 8"x6" FLGxFLG REDUCER
2. 8" FLG TEE
3. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
4. 6" RESTRAINED COUPLING
5. 8" FLGxMJ GATE VALVE
6. 6" FLG GATE VALVE

TIE–IN



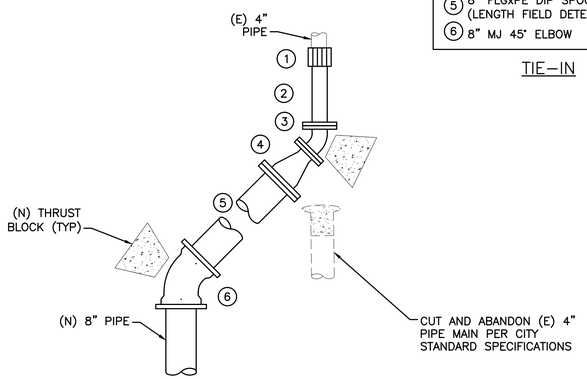
GEORGE LN STA 3+41

DETAIL 4/C37

NTS

1. 4" RESTRAINED COUPLING
2. 4" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
3. 4" FLG 45° ELBOW
4. 8"x4" FLG REDUCER
5. 8" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
6. 8" MJ 45° ELBOW

TIE–IN



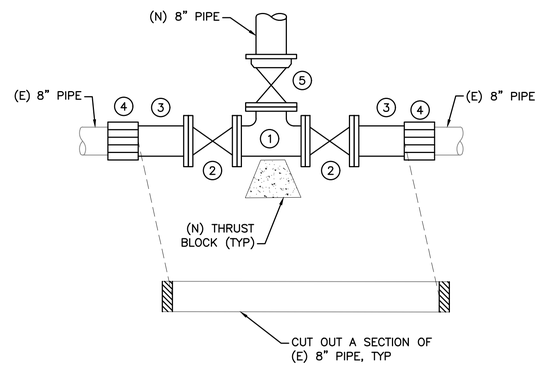
SUNRISE AVE STA 0+21

DETAIL 5/C38

NTS

1. 8" FLG TEE
2. 8" FLG GATE VALVE
3. 8" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
4. 8" RESTRAINED COUPLING
5. 8" FLGxMJ GATE VALVE

TIE–IN



SUNRISE AVE STA 0+70

DETAIL 6/C38

NTS

REV	DATE	BY	DESCRIPTION
	10/13/2020		FINAL DESIGN SUBMITTAL - NOT FOR CONSTRUCTION

REV DATE BY DESCRIPTION

SCALE: N.T.S.

WARNING 0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

DESIGNED T. DUGAN
DRAWN A. MOTIEJUNAS
CHECKED S. ROGERS

DOMENICHELLI & ASSOCIATES
5180 Golden Foothill Parkway Ste. 220
El Dorado Hills, CA 95762
Ph: (916) 933–1997
Fax: (916) 933–4778

CITY OF ROSEVILLE CALIFORNIA
2005 HILLTOP CIRCLE
ROSEVILLE, CA 95747 PHONE: 916-774-5750

REGISTERED PROFESSIONAL ENGINEER THOMAS M. DOMENICHELLI NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

TIE-IN DETAILS 3

DWG. NO. T3

SHEET 56 OF 58

Z:\CITY OF ROSEVILLE\RSVL-001 HILLCREST NEIGHBORHOOD - DOWNTOWN WATER MAIN REPLACEMENT\DRAWINGS\RSVL-001 HILLCREST - T SHEET.DWG

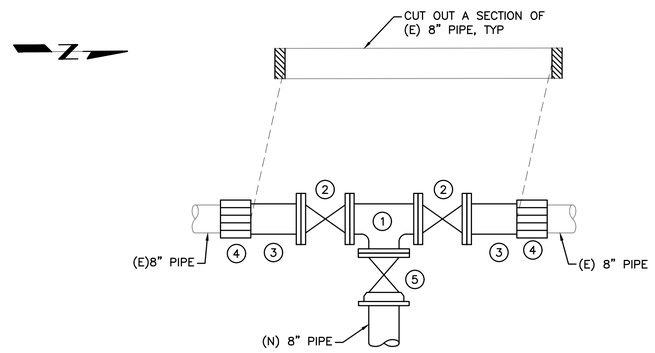
20201014.083722

GENERAL NOTES (APPLICABLE TO ALL DETAILS):

1. NOT ALL UTILITIES BEING CROSSED OR IN THE VICINITY OF THE TIE–IN ARE SHOWN. CONTRACTOR MUST POTHOLE ALL UTILITIES AND NOTIFY THE ENGINEER OF ANY CONFLICTS.
2. ALL MJ FITTINGS ARE TO BE FULLY RESTRAINED WITH MEGALUGS.
3. CONTRACTOR TO POTHOLE AND VERIFY (E) PIPE DIAMETER, (E) PIPE MATERIAL AND EXISTING CONFIGURATION PRIOR TO ORDERING MATERIALS FOR TIE–INS AND ABANDONMENTS.
4. CONNECTION TO ACP (IF PRESENT) WILL REQUIRE A NON–RESTRAINED PIPE COUPLING AND ADDITIONAL THRUST BLOCKS NOT SHOWN. CONTRACTOR TO COORDINATE WITH CITY INSPECTOR.

1. 8" FLG TEE
2. 8" FLG GATE VALVE
3. 8" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
4. 8" RESTRAINED COUPLING
5. 8" FLGxMJ GATE VALVE

TIE–IN



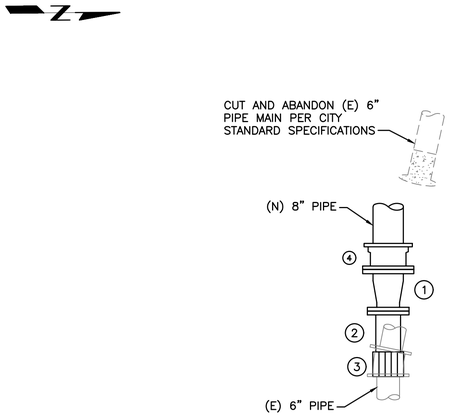
FRANCES DR STA 0+32

DETAIL 1/C38

NTS

1. 8"x6" FLGxFLG REDUCER
2. 6" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
3. 6" RESTRAINED COUPLING
4. 8" FLGxMJ ADAPTOR

TIE–IN



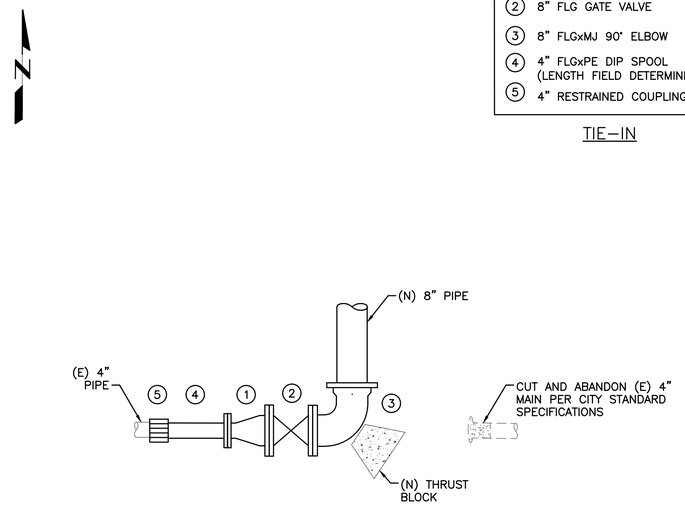
FRANCES DR STA 1+83

DETAIL 2/C38

NTS

1. 8"x4" FLG REDUCER
2. 8" FLG GATE VALVE
3. 8" FLGxMJ 90° ELBOW
4. 4" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
5. 4" RESTRAINED COUPLING

TIE–IN



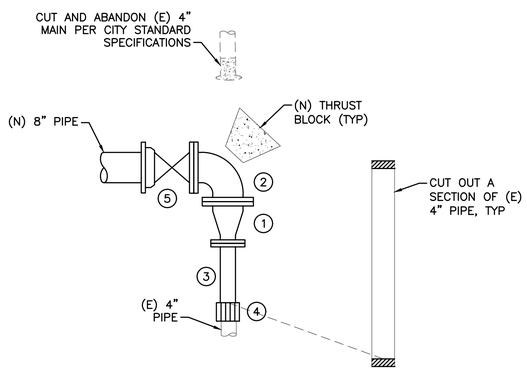
HILLCREST AVE STA 1+88

DETAIL 3/C14

NTS

1. 8"x4" FLG REDUCER
2. 8" FLG 90° ELBOW
3. 4" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
4. 4" RESTRAINED COUPLING
5. 8" FLGxMJ GATE VALVE

TIE–IN



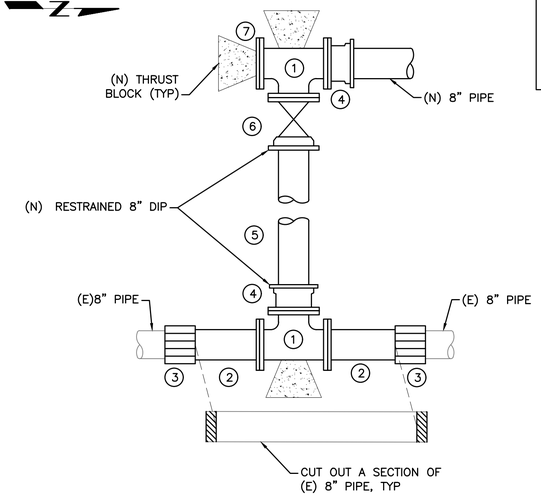
MARIETTI WAY 7+73

DETAIL 4/C20

NTS

1. 8" FLG TEE
2. 8" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
3. 8" RESTRAINED COUPLING
4. 8" FLGxMJ ADAPTOR
5. 8" RESTRAINED DIP (LENGTH FIELD DETERMINED)
6. 8" FLGxMJ GATE VALVE
7. 8" BLIND FLG

TIE–IN



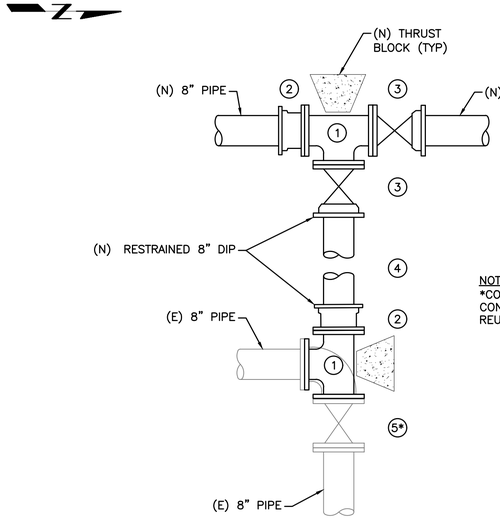
FOLSOM RD STA 2+25

DETAIL 5/C39

NTS

1. 8" FLG TEE
2. 8" FLGxMJ ADAPTOR
3. 8" FLGxMJ GATE VALVE
4. 8" RESTRAINED DIP (LENGTH FIELD DETERMINED)
5* 8" (E) GATE VALVE

TIE–IN



NOTE
*CONTRACTOR TO EVALUATE (E) VALVE CONFIGURATION AND CONDITION. TO BE REUSED IF APPLICABLE

FOLSOM RD STA 10+02

DETAIL 6/C40

NTS

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REGISTERED PROFESSIONAL ENGINEER THOMAS M. DOMENICHELLI NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

TIE-IN DETAILS 4

DWG. NO. T4

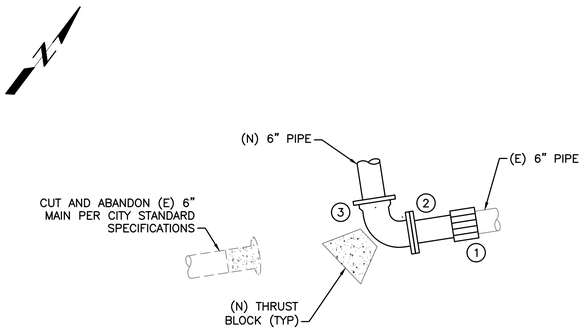
SHEET 57 OF 58

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20201014.083722

GENERAL NOTES (APPLICABLE TO ALL DETAILS):

1. NOT ALL UTILITIES BEING CROSSED OR IN THE VICINITY OF THE TIE–IN ARE SHOWN. CONTRACTOR MUST POTHOLE ALL UTILITIES AND NOTIFY THE ENGINEER OF ANY CONFLICTS.
2. ALL MJ FITTINGS ARE TO BE FULLY RESTRAINED WITH MEGALUGS.
3. CONTRACTOR TO POTHOLE AND VERIFY (E) PIPE DIAMETER, (E) PIPE MATERIAL AND EXISTING CONFIGURATION PRIOR TO ORDERING MATERIALS FOR TIE–INS AND ABANDONMENTS.
4. CONNECTION TO ACP (IF PRESENT) WILL REQUIRE A NON–RESTRAINED PIPE COUPLING AND ADDITIONAL THRUST BLOCKS NOT SHOWN. CONTRACTOR TO COORDINATE WITH CITY INSPECTOR.



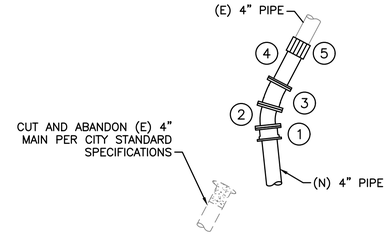
1. 6" RESTRAINED COUPLING
2. 6" FLGxPE DIP PIPE SPOOL (LENGTH FIELD DETERMINED)
3. 6" 90° FLGxMJ ELBOW

TIE–IN

ESTATES DR STA 1+07

DETAIL 1 / C43

NTS



1. 4" FLGxMJ ADAPTER
2. 4" FLG 22.5° ELBOW
3. 4" FLG 11.25° ELBOW
4. 4" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
5. 4" RESTRAINED COUPLING

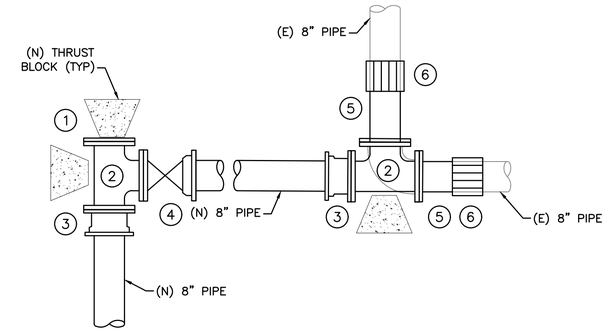
TIE–IN

NOTE
CONTRACTOR TO POTHOLE PRIOR TO ORDERING MATERIALS TO DETERMINE EXACT FITTINGS REQUIRED

ESTATES DR STA 1+06

DETAIL 2 / C43

NTS



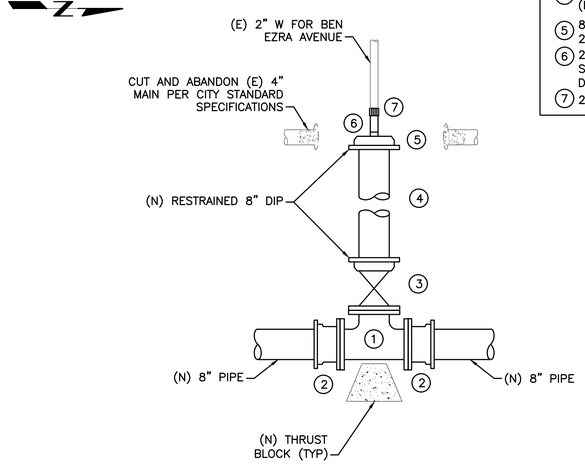
1. 8" BLIND FLG
2. 8" FLG TEE
3. 8" FLGxMJ ADAPTER
4. 8" FLGxMJ GATE VALVE
5. 8" FLGxPE DIP SPOOL (LENGTH FIELD DETERMINED)
6. 8" RESTRAINED COUPLING

TIE–IN

EVELYN AVE STA 0+40

DETAIL 3 / C43

NTS



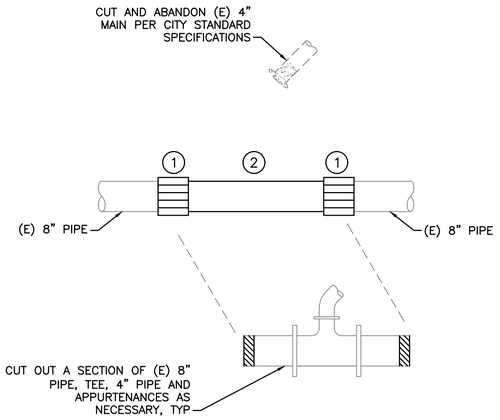
1. 8" FLG TEE
2. 8" FLGxMJ ADAPTER
3. 8" FLGxMJ GATE VALVE
4. 8" RESTRAINED DIP (LENGTH FIELD DETERMINED)
5. 8" RESTRAINED END CAP W/ 2" IP THREADED OUTLET
6. 2" THREADEDxPE STAINLESS STEEL SPOOL (FIELD LENGTH DETERMINED)
7. 2" COUPLING

TIE–IN

FOLSOM RD STA 5+86

DETAIL 4 / C40

NTS



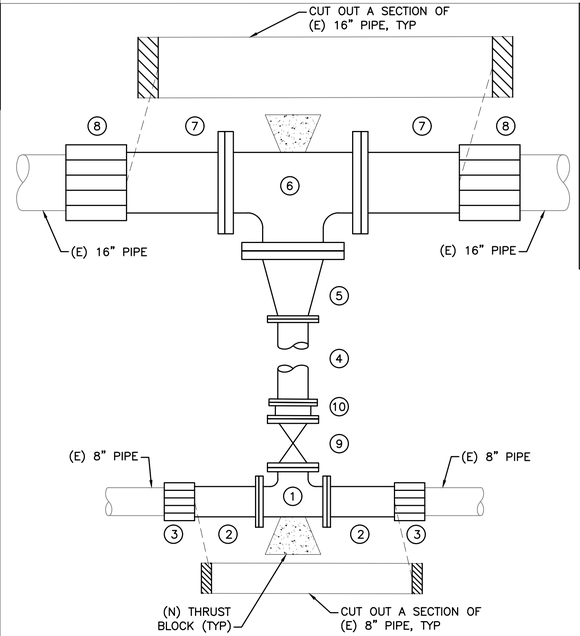
1. 8" RESTRAINED COUPLING
2. 8" PExPE DIP (6' LENGTH MINIMUM)

TIE–IN

FOLSOM RD STA 9+70

DETAIL 5 / C40

NTS



1. 8" FLG TEE
2. 8" FLGxPE DIP SPOOL (FIELD LENGTH DETERMINED)
3. 8" RESTRAINED COUPLING
4. 8" FLGxPE DIP SPOOL (FIELD LENGTH DETERMINED)
5. 16"x8" FLG REDUCER
6. 16" FLG TEE
7. 16" FLGxPE DIP SPOOL (FIELD LENGTH DETERMINED)
8. 16"RESTRAINED COUPLING
9. 8" FLGxFLG GATE VALVE
10. 8" FLANGE COUPLING ADAPTER, RESTRAINED

TIE–IN

SUNRISE BLVD – CONNECTION BETWEEN (E) 16" AND 8" WATERMAINS

DETAIL 6 / C38

NTS

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REGISTERED PROFESSIONAL ENGINEER THOMAS M. DOMENICHELLI NO. C68171 Exp. 9/30/21 CIVIL STATE OF CALIFORNIA

DOWNTOWN WATER MAINS REPLACEMENT PROJECT
HILLCREST NEIGHBORHOOD

TIE-IN DETAILS 5

DWG. NO. T5

SHEET 58 OF 58

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20201014.083722

ORDINANCE NO. 6324

ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE FISCAL YEAR 2020-21 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN APPROPRIATION MEASURE

THE CITY OF ROSEVILLE ORDAINS:

SECTION 1. The City of Roseville Annual Budget, Fiscal Year 2020-21, is hereby amended as listed on the attached budget adjustment for the Downtown Water Mains Replacement Project.

SECTION 2. This ordinance is hereby declared to be an appropriation measure, immediately effective pursuant to the provisions of Section 5.03 of the Charter.

SECTION 3. The City Clerk is hereby authorized and directed to post a true copy of the foregoing ordinance in each of three (3) conspicuous locations in the City and she shall immediately after such posting enter in the ordinance book, under the record of the ordinance, a certificate under her hand stating the time and place of such publication by posting.

PASSED AND ADOPTED by the Council of the City of Roseville, this _____ day of _____, 2021, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk

REQUEST FOR BUDGET ADJUSTMENT

REQUESTER NAME & TITLE: Janice Gainey, Senior Engineer
FISCAL YEAR: 2020-2021
PREPARER NAME & TITLE: Nancy Rothlisberger, Sr. EU Business Analyst
COUNCIL DATE (if applicable): 2/3/2021
DEPARTMENT/DIVISION: Environmental Utilities Technical Services
ORDINANCE:

EXPENDITURES/EXPENSES/TRANSFERS OUT

ACCOUNT STRING				BUDGET ($)	DESCRIPTION
Fund	Account	Center	Project	Adjustment	
6130	6587	84001	500094	7,495,089	Capital Outlay - Project #500094
			TOTAL	7,495,089	

REVENUES/TRANSFERS IN

ACCOUNT STRING				BUDGET ($)	DESCRIPTION
Fund	Account	Center	Project	Adjustment	
			TOTAL	-	

NET ADJUSTMENT	7,495,089	

FUND BALANCE

ACCOUNT STRING				BUDGET ($)	DESCRIPTION
Fund	Account	Center	Project	Adjustment	
6130				(7,495,089)	Water Rehab Fund - decrease available resources
			TOTAL	(7,495,089)	

Justification for Budget Adjustment:

The Downtown Water Mains Replacement Project (#500094) requires an additional $7,495,089 of available resources from the Water Rehabilitation Fund to fund remaining work, bringing the project's total budget to $9,028,337. This project, in the Hillcrest neighborhood, consists of underground improvements to 20,300 feet of water mains and associated appurtenances (fire hydrants, valves, blow-offs), cathodic protection system and test stations, installation of approximately 350 new water services with new service lines, surveying, potholing, geotechnical testing, inspection, and abandonment of existing facilities.

REQUIRED APPROVALS:

Richard S. Plecker	1/8/21		
REQUESTING DEPARTMENT HEAD / DESIGNEE	DATE	BUDGET MANAGER / DESIGNEE	DATE
CHIEF FINANCIAL OFFICER / DESIGNEE	DATE	CITY MANAGER / DESIGNEE	DATE

BUDGET DEPARTMENT USE ONLY:

POSTED BY	DATE

Revised: June 24, 2019

COUNCIL COMMUNICATION

CC #: 1259
File #: 0203-12 & & 0214 & 0201-01

Title: Radioactive Detection Equipment - Grant Award and Budget Adjustment
Contact: Brian Diemer 916-746-1392 ddiemer@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 7.20.

RECOMMENDATION TO COUNCIL

Staff recommends City Council adopt a resolution for the acceptance of a grant from the U.S. Department of Homeland Security through the Placer County Office of Emergency Services (PCOES) in the amount of $32,000 and adopt an ordinance to approve a budget adjustment in the same amount to purchase radioactive detection equipment.

BACKGROUND

The Roseville Fire Department maintains a Type I Hazardous Materials team. The California Office of Emergency Services (Cal OES) requires the team be equipped with equipment which has the capability of identifying unknown sources of radiation. The department was awarded a $32,000 grant by Placer County Office of Emergency Services (PCOES) as a sub-grantee from Cal OES for the 2019 Homeland Security Grant for the purchase of this specialized radiation detection equipment. No matching funds are required.

FISCAL IMPACT

The total purchase cost of $32,000 will be reimbursed through an equivalent grant award, with no net impact to the General Fund. Maintenance costs for the new equipment are expected to be equivalent to the maintenance costs for the equipment being replaced, and is included in the Department's existing budget. The department will continue to seek grants as a means to replace this type of equipment as technology improves and the equipment reaches its end of life.

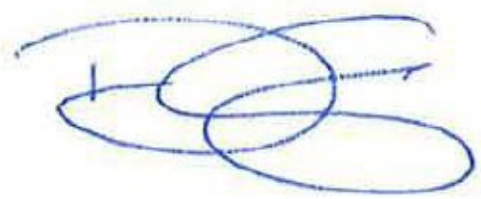
ENVIRONMENTAL REVIEW

The California Environmental Quality Act (CEQA) does not apply to activities that will not result in a direct or reasonably foreseeable indirect physical change in the environment, or is otherwise not considered a project as defined by CEQA Statute §21065 and CEQA State Guidelines §15060(c)(3) and §15378. The Radioactive Detection Equipment Grant Award and Budget Adjustment meets the above criteria and is not subject to CEQA. No additional environmental review is required.

Respectfully Submitted,

Brian Diemer, Assistant Fire Chief

Rick Bartee, Fire Chief



_____

Dominick Casey, City Manager

ATTACHMENTS:

Description

Resolution 21-042

Ordinance 6327

Budget Adjustment

RESOLUTION NO. 21-042

ACCEPTING A GRANT AWARD FROM THE U.S.DEPARTMENT OF HOMELAND SECURITY THROUGH THE PLACER COUNTY OFFICE OF EMERGENCY SERVICES ON BEHALF OF THE CITY OF ROSEVILLE

WHEREAS, the Roseville Fire Department maintains a Type I Hazardous Materials team; and

WHEREAS, the California Office of Emergency Services (Cal OES) requires the team be equipped with equipment which has the capability of identifying unknown sources of radiation; and

WHEREAS, the Roseville Fire Department was awarded a $32,000 grant by Placer County Office of Emergency Services (PCOES) as a sub-grantee from Cal OES for the 2019 Homeland Security Grant for the purchase of this specialized radiation detection equipment.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Roseville that as the grant recipient, the City of Roseville agrees to comply with all conditions and requirements related to conduct for the award; and

BE IT FURTHER RESOLVED that the City of Roseville accepts the grant award from the U.S. Department of Homeland Security through the Placer County Office of Emergency Services.

PASSED AND ADOPTED by the Council of the City of Roseville this____day of _____, 2021, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk

ORDINANCE NO. 6327

ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE FISCAL YEAR 2020-21 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN APPROPRIATION MEASURE

THE CITY OF ROSEVILLE ORDAINS:

SECTION 1. The City of Roseville Annual Budget, Fiscal Year 2020-21, is hereby amended as listed on the attached budget adjustment for the radioactive detection equipment grant award.

SECTION 2. This ordinance is hereby declared to be an appropriation measure, immediately effective pursuant to the provisions of Section 5.03 of the Charter.

SECTION 3. The City Clerk is hereby authorized and directed to post a true copy of the foregoing ordinance in each of three (3) conspicuous locations in the City and she shall immediately after such posting enter in the ordinance book, under the record of the ordinance, a certificate under her hand stating the time and place of such publication by posting.

PASSED AND ADOPTED by the Council of the City of Roseville, this _____ day of _____, 2021, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk

REQUEST FOR BUDGET ADJUSTMENT

REQUESTER NAME & TITLE: Katrina Rostam, Management Analyst II
FISCAL YEAR: 2020-2021
PREPARER NAME & TITLE: Katrina Rostam, Management Analyst II
COUNCIL DATE (if applicable): 1/20/21
DEPARTMENT/DIVISION: Fire Department
ORDINANCE:

EXPENDITURES/EXPENSES/TRANSFERS OUT

ACCOUNT STRING				BUDGET ($)	DESCRIPTION
Fund	Account	Center	Project	Adjustment	
1001	6587	84001	700023	32,000	Increase expenditure budget for the purchase radioactive isotope identifier detector utilizing a Homeland Security Grant award.
			TOTAL	32,000	

REVENUES/TRANSFERS IN

ACCOUNT STRING				BUDGET ($)	DESCRIPTION
Fund	Account	Center	Project	Adjustment	
1001	4401	84001	700023	32,000	Increase revenue budget for a Homeland Security Grant award.
			TOTAL	32,000	

NET ADJUSTMENT	-	

FUND BALANCE

ACCOUNT STRING				BUDGET ($)	DESCRIPTION
Fund	Account	Center	Project	Adjustment	
			TOTAL	-	

Justification for Budget Adjustment:

The City of Roseville was awarded a Fiscal Year 2019 Homeland Security Grant through Placer County Office of Emergency services in the amount of $32,000 to purchase radioactive isotope identifier detector in the City's Fiscal Year 2021 budget. The budget adjustment is recommended to implement the grant award.

REQUIRED APPROVALS:

REQUESTING DEPARTMENT HEAD / DESIGNEE	DATE 12/16/2020	BUDGET MANAGER / DESIGNEE	DATE
CHIEF FINANCIAL OFFICER / DESIGNEE	DATE	CITY MANAGER / DESIGNEE	DATE

BUDGET DEPARTMENT USE ONLY:

POSTED BY	DATE

Revised: June 24, 2019

COUNCIL COMMUNICATION

CC #: 1249
File #: 0400-04-12 & 0400-04

Title:	Second Reading - Sierra Vista Specific Plan - Development Agreement Amendment
Contact:	Shelby Vockel 916-746-1347 svockel@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 7.21.

RECOMMENDATION TO COUNCIL

ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE ADOPTING A FIRST DEVELOPMENT AGREEMENT AMENDMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND DF PROPERTIES, INC. RELATIVE TO THE SIERRA VISTA SPECIFIC PLAN, for second reading and adoption.

BACKGROUND

Not applicable.

FISCAL IMPACT

Not applicable.

ENVIRONMENTAL REVIEW

Not applicable.

Respectfully Submitted,

Shelby Vockel, Associate Planner

Mike Isom, Development Services Director

ATTACHMENTS:

Description

Ordinance 6322

ORDINANCE NO. 6322

ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE ADOPTING A FIRST DEVELOPMENT AGREEMENT AMENDMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND DF PROPERTIES, INC. RELATIVE TO THE SIERRA VISTA SPECIFIC PLAN

THE CITY OF ROSEVILLE ORDAINS:

SECTION 1. In accordance with Chapter 19.84 of Title 19 of the Roseville Municipal Code (the Zoning Ordinance) of the City of Roseville, the City Council has received the recommendation of the Planning Commission that the City of Roseville enter into a First Amendment to the Development Agreement by and between the City of Roseville and DF Properties, Inc. relative to the Sierra Vista Specific Plan area.

SECTION 2. The First Amendment to the Development Agreement is exempt from the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines Section 15182, which exempts residential projects consistent with a Specific Plan. The project is consistent with the Sierra Vista Specific Plan (SVSP) EIR (SCH #2008032115).

SECTION 3. The Council of the City of Roseville has reviewed the findings of the Planning Commission recommending approval of the First Amendment to the Development Agreement, and makes the following findings:

1. The First Amendment to the Development Agreement is consistent with the objectives, policies, programs and land use designations of the City of Roseville General Plan and the Sierra Vista Specific Plan;

2. The First Amendment to the Development Agreement is consistent with the City of Roseville Zoning Ordinance;

3. The First Amendment to the Development Agreement is in conformance with the public health, safety and welfare;

4. The First Amendment to the Development Agreement will not adversely affect the orderly development of the property or the preservation of property values; and

5. The provisions of the First Amendment to the Development Agreement will provide sufficient benefit to the City to justify entering into said Amendment.

SECTION 4. The First Amendment to the Development Agreement, by and between the City of Roseville and DF Properties, Inc. relative to the Sierra Vista Specific Plan, a copy of which is on file in the City Clerk's Department and incorporated herein by reference, is hereby approved and the City Manager is authorized to execute it on behalf of the City of Roseville.

SECTION 5. The City Clerk is directed to record the executed Development Agreement Amendment within ten (10) days of the execution of the agreement by the City Manager with the County Recorder's Office of the County of Placer.

SECTION 6. This ordinance shall be effective at the expiration of thirty (30) days from the date of its adoption.

SECTION 7. The City Clerk is hereby directed to cause this ordinance to be published in full at least once within fourteen (14) days after it is adopted in a newspaper of general circulation in the City, or shall within fourteen (14) days after its adoption cause this ordinance to be posted in full in at least three (3) public places in the City and enter in the Ordinance Book a certificate stating the time and place of said publication by posting.

PASSED AND ADOPTED by the Council of the City of Roseville this 20th day of January, 2021, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk

COUNCIL COMMUNICATION

CC #: 1250
File #: 0400-04-12

Title:	Second Reading - Sierra Vista Specific Plan - Development Agreement Amendment
Contact:	Kinarik Shallow 916-746-1309 kshallow@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 7.22.

RECOMMENDATION TO COUNCIL

ORDINANCE ADOPTING A SECOND AMENDMENT OF THE DEVELOPMENT AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND MOURIER INVESTMENTS, LLC ("MOURIER & WEALTH PROPERTIES") RELATIVE TO THE SIERRA VISTA SPECIFIC PLAN AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE, for second reading and adoption.

BACKGROUND

Not applicable.

FISCAL IMPACT

Not applicable.

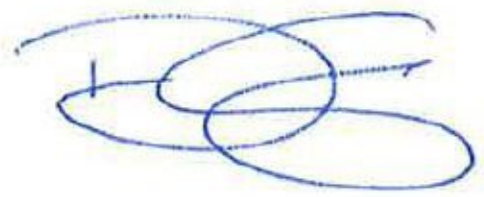
ENVIRONMENTAL REVIEW

Not applicable.

Respectfully Submitted,

Kinarik Shallow, Associate Planner

Mike Isom, Development Services Director



Dominick Casey, City Manager

ATTACHMENTS:

Description

Ordinance 6323

ORDINANCE NO. 6323

ADOPTING A SECOND AMENDMENT OF THE DEVELOPMENT AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND MOURIER INVESTMENTS, LLC ("MOURIER & WEALTH PROPERTIES") RELATIVE TO THE SIERRA VISTA SPECIFIC PLAN AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE

THE CITY OF ROSEVILLE ORDAINS:

SECTION 1. In accordance with Chapter 19.84 of Title 19 of the Roseville Municipal Code (the Zoning Ordinance) of the City of Roseville, the City Council has received the recommendation of the Planning Commission that the City of Roseville enter into a Second Amendment of the Development Agreement by and between the City of Roseville and Mourier Investments, LLC, pertaining to property located within the Sierra Vista Specific Plan area.

SECTION 2. The Second Amendment to Development Agreement is exempt from the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines Section 15061(b)(3) (General Rule) and Section 305 of the City of Roseville CEQA Implementing Procedures. The Planning Manager has determined that this project is substantially consistent with the previously certified Sierra Vista Specific Plan EIR, certified by the City Council on May 5, 2010 (SCH #2008032115), and that the Development Agreement Amendment does not result in any physical changes to the environment or changes to environmental impacts previously considered in connection with the approval of the existing Development Agreement. No additional environmental documentation is required.

SECTION 3. The Council of the City of Roseville has reviewed the findings of the Planning Commission recommending approval of the Second Amendment to Development Agreement, and makes the following findings:

1. The Second Amendment to the Development Agreement is consistent with the objectives, policies, programs and land use designations of the City of Roseville General Plan and the Sierra Vista Specific Plan;

2. The Second Amendment to the Development Agreement is consistent with the City of Roseville Zoning Ordinance;

3. The Second Amendment to the Development Agreement is in conformance with the public health, safety and welfare;

4. The Second Amendment to the Development Agreement will not adversely affect the orderly development of the property or the preservation of property values; and

5. The provisions of the Second Amendment to the Development Agreement will provide sufficient benefit to the City to justify entering into said Amendment.

SECTION 4. The Second Amendment to Development Agreement, by and between the City of Roseville and Mourier Investments, LLC, a copy of which is on file in the City Clerk's Department and incorporated herein by reference, is hereby approved and the City Manager is authorized to execute it on behalf of the City of Roseville.

SECTION 5. The City Clerk is directed to record the executed Development Agreement Amendment within ten (10) days of the execution of the agreement by the City Manager with the County Recorder's Office of the County of Placer.

SECTION 6. This ordinance shall be effective at the expiration of thirty (30) days from the date of its adoption.

SECTION 7. The City Clerk is hereby directed to cause this ordinance to be published in full at least once within fourteen (14) days after it is adopted in a newspaper of general circulation in the City, or shall within fourteen (14) days after its adoption cause this ordinance to be posted in full in at least three (3) public places in the City and enter in the Ordinance Book a certificate stating the time and place of said publication by posting.

PASSED AND ADOPTED by the Council of the City of Roseville this 20th day of January 2021, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk

COUNCIL COMMUNICATION

CC #: 1254
File #: 0502-06

Title:	Second Reading - Municipal Code Amendments - Consistency with the City Charter
Contact:	M. Sheidenberger 916-774-5325 msheidenberger@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 7.23.

RECOMMENDATION TO COUNCIL

ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE AMENDING SECTION 2.06.020 OF CHAPTER 2.06 OF TITLE 2 OF THE ROSEVILLE MUNCIPAL CODE REGARDING MUNICIPAL ELECTIONS, REPEALING CHAPTER 2.34 OF TITLE 2 OF THE ROSEVILLE MUNICIPAL CODE REGARDING INDEPENDENT REDISTRICTING COMMISSION, AND AMENDING SECTIONS 4.12.090, 4.12.095 AND 4.12.100 OF CHAPTER 4.12 OF TITLE 4 OF THE ROSEVILLE MUNICIPAL CODE REGARDING PURCHASING SYSTEM FOR CONSISTENCY WITH THE CITY CHARTER, for second reading and adoption.

BACKGROUND

Not applicable.

FISCAL IMPACT

Not applicable.

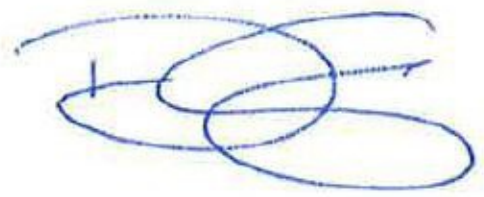
ENVIRONMENTAL REVIEW

Not applicable.

Respectfully Submitted,

Michelle Sheidenberger, Assistant City Attorney

Robert Schmitt, City Attorney



Dominick Casey, City Manager

ATTACHMENTS:

Description

Ordinance 6325

ORDINANCE NO. 6325

ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE AMENDING SECTION 2.06.020 OF CHAPTER 2.06 OF TITLE 2 OF THE ROSEVILLE MUNCIPAL CODE REGARDING MUNICIPAL ELECTIONS, REPEALING CHAPTER 2.34 OF TITLE 2 OF THE ROSEVILLE MUNICIPAL CODE REGARDING INDEPENDENT REDISTRICTING COMMISSION, AND AMENDING SECTIONS 4.12.090, 4.12.095 AND 4.12.100 OF CHAPTER 4.12 OF TITLE 4 OF THE ROSEVILLE MUNICIPAL CODE REGARDING PURCHASING SYSTEM FOR CONSISTENCY WITH THE CITY CHARTER

THE CITY OF ROSEVILLE ORDAINS:

SECTION 1. Section 2.06.020 of Chapter 2.06 of Title 2 of the Roseville Municipal Code is hereby amended to read as follows:

2.06.020 By-district elections.

A. City Councilmember Districts and District Elections. Pursuant to California Government Code Section 34886, all members of the city council of the City of Roseville shall be elected by-district as that term is defined in Government Code Section 34871, meaning that each of the five councilmembers shall be elected one from each district, by the voters of that district alone. All five councilmembers shall be elected in the electoral districts established by this chapter and as subsequently reapportioned pursuant to state law.

B. District Map. The boundaries of the council districts shall be shown upon the map designated as the "City of Roseville District Map" (referred to herein as the "District Map"), a copy of which shall be placed on file with the city clerk and available for public review. The District Map has been adopted by the council in compliance with applicable law, and is hereby incorporated into this chapter by reference as though it were fully set forth herein. All five councilmembers shall be elected on a by-district basis from the council districts shown and numbered on the District Map.

C. Amendment of District Boundaries. Pursuant to California Elections Code Section 21620 et seq., as it may be amended from time to time, the Roseville Independent Redistricting Commission shall update the District Map and adjust the boundaries of any or all of the districts following each federal decennial census to ensure that the districts are in compliance with all applicable provisions of law.

D. District Sequencing and Timing. In November, 2020, and every four years thereafter, the following three city council seats shall be elected by-district: District 1; District 3; and District 5. In November, 2022, and every four years thereafter, the following two city council seats shall be elected by-district: District 2 and District 4. The city council may, by future enactment, change the dates of these elections as required and/or authorized by applicable law.

E. Residency. Any councilmember elected or appointed to represent a district must reside in that district and be a registered voter in that district, and any candidate for city council must reside in, and be a registered voter in, the district in which he or she seeks election at the time nomination papers are issued. Termination of residency in a district by a councilmember elected or appointed to that district seat shall create a vacancy for that city council district unless a substitute residence within the district is immediately declared and established within 30

calendar days after the termination of residency. Vacancies shall be filled in accordance with City Charter Section 3.09.

F. Incumbent City Councilmembers at Time of Adoption. Notwithstanding any other provision of this section, all councilmembers in office at the time this chapter takes effect shall continue in office until the expiration of the at-large term to which they were elected. In the event a vacancy occurs before the expiration of the term of a councilmember in office at the time this Chapter 2.06 takes effect, a person who is appointed or elected by special election to fill such vacancy may reside anywhere within the corporate boundaries of the city and shall serve only through the remainder of the vacated term.

G. Mayor and Vice-Mayor. Seating of the mayor and vice-mayor shall be as set forth in City Charter Section 2.03. The mayor and vice-mayor shall each serve a two year term unless stated otherwise in the city charter.

H. General Principles of Governance. The city council understands the value of at-large governance regardless of the method from which city councilmembers are elected. Governing in the interest of all residents and not just the residents of a single district allows for the continuation of accessible customer service, the most effective use of taxpayer resources, and consistency in city services. Therefore, each councilmember will govern in the interest of the entire community regardless of the district from which they are elected. The city council shall remain united in its service to the community, and understands that customer service is a priority. Any member of the city council may respond to and assist anyone in the community who calls or contacts them regardless of residence in or representation of any particular district. Professional management in a city manager form of government will continue, with all of the best management practices that the city council expects, and supporting resources will be allocated based on expenses and expertise. Current practices regarding invitations to members of the city council to events and activities, and the process with respect to appointments to committees and various bodies will remain in effect, unless and until changed by the city council.

SECTION 2. Chapter 2.34 of Title 2 of the Roseville Municipal Code is hereby repealed in its entirety.

SECTION 3. Section 4.12.090 of Chapter 4.12 of Title 4 of the Roseville Municipal Code is hereby amended to read as follows:

4.12.090 Purchasing of supplies – Formal bidding procedure.

A. Purchase of supplies or equipment of an estimated value equal to or greater than the bid amount established in the city's Charter, shall be by written purchase order with the lowest responsible bidder in accordance with this section.

B. Notice to Bidders. The purchasing officer shall prepare and send to prospective bidders a notice inviting bids and detailed specifications of the supplies or equipment.

1. Published Notice. The notice inviting bids shall be published at least five working days before the date of bid opening. For purposes of this section, "working days" means Monday through Friday, except federal holidays. The notice shall be published at least once in a newspaper of general circulation in the city, and shall include a general description of the articles to be purchased. The notice shall state where bid specifications may be obtained.

2. Bidders List. The purchasing officer shall also solicit bids from all responsible persons whose names are on the bidders list (see Section 4.12.030(J)) or who have requested their names to be added to the bidders list.

C. Bidders Security. The purchasing officer may, in his or her discretion, demand as security a deposit or bid bond from each bidder in an amount which shall be specified in the call for bids. The security of the successful bidder shall be held to secure the capacity, readiness, and willingness of the successful bidder to execute the purchase order. The successful bidder shall forfeit the security upon refusal or failure to execute the purchase order within 15 calendar days after the notice of award of purchase order has been mailed, unless the city is responsible for the delay. The city council may, on refusal or failure of the successful bidder to execute the purchase order, award the purchase order to the next lowest responsible bidder; the amount of the successful bidder's security shall be applied by the city to the difference between the successful bid and the next lowest responsible bid; and the surplus, if any, shall be returned to the successful bidder that refused or failed to execute the purchase order. The securities of unsuccessful bidders shall be returned following the execution of the purchase order by the successful bidder.

D. Bid Opening. All bids shall be submitted to the city clerk, and shall be opened by the person and at the time and place stated in the published notice. Bids shall be identified as bids on the envelope. Bids shall be reviewed by the purchasing officer in consultation with the using department, if any, and a recommendation submitted to the city council for award. A tabulation of all bids received shall be made available for public inspection.

E. Rejection of Bids. At its discretion, the city council may reject any and all bids presented or may request that the notice inviting bids be readvertised.

F. Award of Bids. Bids shall be awarded by the city council, and a purchase order issued by the purchasing officer, to the lowest responsible bidder except as otherwise provided herein.

G. Tie Bids. If two or more bids received are for the same total amount or unit price, quality and service being equal, the city council may, in its discretion, either accept the one it chooses, or accept the lowest bid made by negotiation with the tie bidders.

H. Bid Irregularity. Relief from bidder's errors may be granted in the sole discretion of the city council as provided in the specifications of a particular bid.

I. Standardization. Where the purchasing officer has determined that it is required by the health, safety or welfare of the people of the city, or by the effectiveness and efficiency of city operations, standardization of supplies or equipment with existing supplies or equipment, or with supplies or equipment needed for regional task forces or partnerships, is permitted and the specifications may limit the purchase to a single brand or trade name. The factors that shall be considered in determining to standardize on a single brand or trade name include:

1. Repair and maintenance costs would be minimized.
2. User personnel training would be facilitated.
3. Supplies or spare parts would be minimized.
4. Modifications to existing equipment would be minimized or made unnecessary.
5. Training requirements for repair and maintenance personnel would be minimized.
6. Proper operation of a function or program requires single brand or trade name supplies or equipment to be compatible with existing supplies or equipment.
7. Overall purchase or operational costs would be minimized.

SECTION 4. Section 4.12.095 of Chapter 4.12 of Title 4 of the Roseville Municipal Code is hereby amended to read as follows:

4.12.095 Public works and services—Formal bidding and contract procedure.

A. Contracts for public works or services estimated to have a value equal to or greater than, or to cost equal to or greater than, the bid amount established in the city's Charter, shall be awarded to the lowest responsible bidder after receipt of sealed formal bids in accordance with this section.

B. Notice to Bidders. The using department shall prepare and send to prospective bidders a notice inviting bids and detailed plans and specifications of the public works or service being bid. The plans and specifications shall be approved by the city council prior to requesting bids.

1. Published Notice. The notice to bidders shall be published at least five working days before the date of bid opening. The notice shall be published at least once in a newspaper of general circulation in the city, and shall include a general description of the public work or services. The notice shall state where bid specifications may be secured, and the time and place for bid opening.

2. Bidders List. The using department shall also solicit bids from all responsible persons whose names are on a bidders list or who have requested their names to be added thereto.

C. Bids for public works shall require a bidder's bond or security in the amount of 10 percent of the amount of the bid. The security of the successful bidder shall be held to secure the capacity, readiness, and willingness of the successful bidder to execute the contract. The successful bidder shall forfeit the security upon refusal or failure to execute the contract within 15 calendar days after the notice of award of contract has been mailed, unless the city is responsible for the delay. The city council may, on refusal or failure of the successful bidder to execute the contract, award the contract to the next lowest responsible bidder. If the city council awards the contract to the next lowest responsible bidder, the amount of the successful bidder's security shall be applied by the city to the difference between the successful bid and the next lowest responsible bid, and the surplus, if any, shall be returned to the successful bidder that refused or failed to execute the contract. The deposits shall be returned to the unsuccessful bidders following the execution of the contract by the successful bidder.

D. Bid Opening. All bids shall be submitted to the city clerk, and shall be opened by the person and at the time and place stated in the published notice. Bids shall be identified as bids on the envelope. Bids shall be reviewed by the using department, and a recommendation submitted to the city council for award. A tabulation of all bids received shall be made available for public inspection.

E. Rejection of Bids. At its discretion, the city council may reject any and all bids presented or may request that bids be readvertised.

F. Award of Contracts. Contracts shall be awarded by the city council to the lowest responsible bidder except as otherwise provided herein.

G. Tie Bids. If two or more bids received are for the same total amount or unit price, quality and service being equal, if the public interest will not permit the delay of readvertising for the bids, the city council may accept the one it chooses or accept the lowest bid made by negotiation with the tie bidders.

H. Bid Irregularity. Relief from bidder's errors may be granted in the sole discretion of the city council as provided in the specifications of a particular bid.

I. Use of City Employees. In lieu of the bidding and contract procedures set forth in this section, public works and services may be performed by city employees at the discretion of the city manager.

SECTION 5. Section 4.12.100 of Chapter 4.12 of Title 4 of the Roseville Municipal Code is hereby amended to read as follows:

4.12.100 Purchasing—Open market procedure.

Purchases of supplies, equipment, contractual services, and sales of personal property, of an estimated value less than the bid amount established in the city's Charter, may be made by the purchasing officer in the open market without observing the procedure prescribed in Section 4.12.090.

A. Minimum Number of Bids. Open market purchases shall, whenever possible, be based on at least three bids, and shall be awarded to the lowest vendor with the lowest responsible bid.

B. Notice Inviting Bids. The purchasing officer shall solicit bids from prospective vendors by written requests, by telephone or by published notice to bidders.

C. Record of Bids. For open market purchases of less than the bid amount established in the city's Charter, the purchasing officer shall keep a record of all open market orders and bids which may be received in writing or orally for a period of one year after the submission of bids or the placing of orders. This record, while so kept, shall be open to public inspections at the purchasing officer's office.

SECTION 6. This ordinance shall be effective at the expiration of thirty (30) days from the date of adoption.

SECTION 7. The City Clerk is hereby directed to cause this ordinance to be published in full at least once within fourteen (14) days after it is adopted in a newspaper of general circulation in the City, or shall within fourteen (14) days after its adoption cause this ordinance to be posted in full in at least three (3) public places in the City and enter in the Ordinance Book a certificate stating the time and place of said publication by posting.

PASSED AND ADOPTED by the Council of the City of Roseville this ___ day of _____, 20__, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____

City Clerk

COUNCIL COMMUNICATION

CC #: 1243
File #: 0400-04-09-1 & 0400-07

Title:	The Plaza at Blue Oaks - Parcel Map
Contact:	Kerry Andrews 916-774-5346 kandrews@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 7.24.

RECOMMENDATION TO COUNCIL

It is recommended that the City Council approve the parcel map on file with the City Clerk and accept, on behalf of the public, the easements and rights-of-way offered thereon.

BACKGROUND

The Development Services - Engineering Division has reviewed the subject parcel map and found that it is in compliance with the Subdivision Map Act and the City's Subdivision Ordinance and all conditions of the tentative map have been met.

This map will be creating 8 parcels.

FISCAL IMPACT

There is no fiscal impact to the City's General Fund associated with this approval.

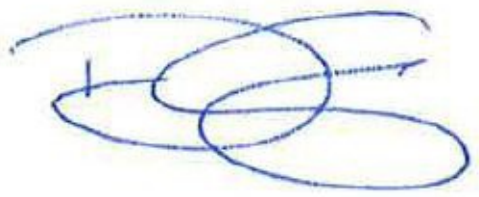
ENVIRONMENTAL REVIEW

Project level CEQA compliance for the Plaza at Blue Oaks project was accomplished with preparation of The Plaza at Blue Oaks Initial Study/Mitigated Negative Declaration (IS/MND) (Adopted by Planning Commission on May 14, 2020). Because the proposed project is consistent with the project evaluated in the Plaza at Blue Oaks IS/MND, no new effects would be expected to occur and all applicable mitigation measures from the Plaza at Blue Oaks IS/MND will be implemented. As such, no additional CEQA action is required at this time.

Respectfully Submitted,

Kerry Andrews, Assistant Engineer

Mike Isom, Development Services Director



_____

Dominick Casey, City Manager

ATTACHMENTS:

Description

Parcel Map

PARCEL MAP OF
THE PLAZA AT BLUE OAKS
SUBDIVISION NO. PL17-0368
BEING ALL OF LOT 22, AA MAPS 10
LYING IN SECTION 19, T.11 N., R.6 E., M.D.M.
CITY OF ROSEVILLE, COUNTY OF PLACER
STATE OF CALIFORNIA
JANUARY 2021

785 Orchard Drive, Suite #110
Folsom, CA 95630
Phone: (916) 608-0707
Fax: (916) 608-0701
TSD ENGINEERING, INC.
expect more.

OWNER'S STATEMENT

THE UNDERSIGNED BEING THE ONLY PERSONS HAVING ANY RECORD TITLE INTEREST IN THE LANDS SUBDIVIDED HEREON, HEREBY CONSENT TO THE PREPARATION AND RECORDATION OF THIS PARCEL MAP OF "THE PLAZA AT BLUE OAKS"; AND OFFER FOR DEDICATION AND DO HEREBY DEDICATE FOR SPECIFIC PURPOSES THE FOLLOWING:

THE REAL PROPERTY DESCRIBED BELOW IS DEDICATED AS AN EASEMENT FOR PUBLIC PURPOSES:

(1) A PUBLIC EASEMENT FOR THE INSTALLATION AND MAINTENANCE OF A BUS SHELTER TOGETHER WITH ANY AND ALL APPURTENANCES PERTAINING THERETO, ON, OVER, UNDER AND ACROSS THE STRIP OF LAND SHOWN HEREON AND DESIGNATED "B.S.E." (BUS SHELTER EASEMENT).

(2) PUBLIC EASEMENTS FOR THE INSTALLATION AND MAINTENANCE OF WATER PIPES TOGETHER WITH ANY AND ALL APPURTENANCES PERTAINING THERETO, ON, OVER, UNDER AND ACROSS THE STRIP OF LAND SHOWN HEREON AND DESIGNATED "W.E." (WATER EASEMENT).

(3) SEWER EASEMENTS FOR PIPELINE PURPOSES AND INCIDENTALS THERETO, INCLUDING BUT NOT LIMITED TO THE CONSTRUCTION AND MAINTENANCE OF A GRAVITY OR PRESSURE SEWER LINE, TOGETHER WITH THE RIGHT OF INGRESS AND EGRESS UPON, OVER, UNDER AND ACROSS THE STRIPS OF LAND SHOWN HEREON AND DESIGNATED "S.E." (SEWER EASEMENT).

(4) A PUBLIC EASEMENT FOR THE INSTALLATION AND MAINTENANCE OF UNDERGROUND WIRES AND CONDUITS FOR ELECTRIC SERVICES TOGETHER WITH ANY AND ALL APPURTENANCES PERTAINING THERETO, ON, OVER, UNDER AND ACROSS THE STRIP OF LAND SHOWN HEREON AND DESIGNATED "E.E." (ELECTRICAL EASEMENT).

THE REAL PROPERTY DESCRIBED BELOW IS OFFERED FOR DEDICATION IN FEE FOR PUBLIC PURPOSES:

(5) AS PUBLIC RIGHT OF WAY (INCLUDING ALL IMPROVEMENTS THEREON), BLUE OAKS BOULEVARD, FIDDYMENT ROAD, HARVEY WAY AND OAK MEADOW DRIVE AS SHOWN HEREON.

FIDDYMENT F-31 RETAIL, LLC
A CALIFORNIA LIMITED LIABILITY COMPANY

BY: _____
JAMES C. GHIELMETTI
CEO OF ACCOUNT MANAGER

NOTARY ACKNOWLEDGMENT

A NOTARY PUBLIC OR OTHER OFFICER COMPLETING THIS CERTIFICATE VERIFIES ONLY THE IDENTITY OF THE INDIVIDUAL WHO SIGNED THE DOCUMENT TO WHICH THIS CERTIFICATE IS ATTACHED, AND NOT THE TRUTHFULNESS, ACCURACY, OR VALIDITY OF THAT DOCUMENT.

STATE OF CALIFORNIA)
COUNTY OF _____)

ON _____,_____ BEFORE ME, _____, A NOTARY PUBLIC

PERSONALLY APPEARED _____

WHO PROVED TO ME ON THE BASIS OF SATISFACTORY EVIDENCE TO BE THE PERSON(S) WHOSE NAME(S) IS/ARE SUBSCRIBED TO THE WITHIN INSTRUMENT AND ACKNOWLEDGED TO ME THAT HE/SHE/THEY EXECUTED THE SAME IN HIS/HER/THEIR AUTHORIZED CAPACITY(IES), AND THAT BY HIS/HER/THEIR SIGNATURE(S) ON THE INSTRUMENT THE PERSON(S), OR THE ENTITY UPON BEHALF OF WHICH THE PERSON(S) ACTED, EXECUTED THE INSTRUMENT.

I CERTIFY UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE STATE OF CALIFORNIA THAT THE FOREGOING PARAGRAPH IS TRUE AND CORRECT.

WITNESS MY HAND AND OFFICIAL SEAL

SIGNATURE _____ _____
(PRINTED NAME)

MY PRINCIPAL PLACE OF BUSINESS IS IN _____ COUNTY

MY COMMISSION NO._____ EXPIRES: _____

SURVEYOR'S STATEMENT

THIS PARCEL MAP OF "THE PLAZA AT BLUE OAKS" WAS PREPARED BY ME OR UNDER MY DIRECTION AND IS BASED UPON A FIELD SURVEY IN CONFORMANCE WITH THE REQUIREMENTS OF THE SUBDIVISION MAP ACT AND LOCAL ORDINANCE AT THE REQUEST OF WEST ROSEVILLE DEVELOPMENT COMPANY, INC. IN AUGUST 2020. I HEREBY STATE THAT THIS PARCEL MAP OF "THE PLAZA AT BLUE OAKS" SUBSTANTIALLY CONFORMS TO THE APPROVED OR CONDITIONALLY APPROVED TENTATIVE MAP; THAT ALL MONUMENTS SHOWN HEREON ARE OF THE CHARACTER AND OCCUPY THE POSITIONS INDICATED AND THAT SAID MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

DATED:_____

_____
JOHN E. KLAMM, L.S. 7375
EXP. DATE: 12/31/2021

PROFESSIONAL LAND SURVEYOR
JOHN E. KLAMM
No. 7375
Exp. 12/31/2021
STATE OF CALIFORNIA

BENEFICIARY'S STATEMENT

WEST ROSEVILLE DEVELOPMENT COMPANY, A DELAWARE CORPORATION, BENEFICIARY UNDER THE DEED OF TRUST RECORDED NOVEMBER 2, 2020, AS INSTRUMENT NO. 2020-0125259, OFFICIAL RECORDS OF PLACER COUNTY.

ROSEVILLE DEVELOPMENT COMPANY,
A DELAWARE CORPORATION

BY: _____

_____
PRINT NAME AND TITLE

NOTARY ACKNOWLEDGMENT

A NOTARY PUBLIC OR OTHER OFFICER COMPLETING THIS CERTIFICATE VERIFIES ONLY THE IDENTITY OF THE INDIVIDUAL WHO SIGNED THE DOCUMENT TO WHICH THIS CERTIFICATE IS ATTACHED, AND NOT THE TRUTHFULNESS, ACCURACY, OR VALIDITY OF THAT DOCUMENT.

STATE OF CALIFORNIA)
COUNTY OF _____)

ON _____,_____ BEFORE ME, _____, A NOTARY PUBLIC

PERSONALLY APPEARED _____

WHO PROVED TO ME ON THE BASIS OF SATISFACTORY EVIDENCE TO BE THE PERSON(S) WHOSE NAME(S) IS/ARE SUBSCRIBED TO THE WITHIN INSTRUMENT AND ACKNOWLEDGED TO ME THAT HE/SHE/THEY EXECUTED THE SAME IN HIS/HER/THEIR AUTHORIZED CAPACITY(IES), AND THAT BY HIS/HER/THEIR SIGNATURE(S) ON THE INSTRUMENT THE PERSON(S), OR THE ENTITY UPON BEHALF OF WHICH THE PERSON(S) ACTED, EXECUTED THE INSTRUMENT.

I CERTIFY UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE STATE OF CALIFORNIA THAT THE FOREGOING PARAGRAPH IS TRUE AND CORRECT.

WITNESS MY HAND AND OFFICIAL SEAL

SIGNATURE _____ _____
(PRINTED NAME)

MY PRINCIPAL PLACE OF BUSINESS IS IN _____ COUNTY

MY COMMISSION NO._____ EXPIRES: _____

CITY ENGINEER'S STATEMENT

I HEREBY STATE THAT I HAVE EXAMINED THIS PARCEL MAP OF "THE PLAZA AT BLUE OAKS" AND FIND IT TO BE SUBSTANTIALLY THE SAME AS THE TENTATIVE MAP ON FILE AND ANY APPROVED ALTERATIONS THEREOF; THAT ALL PROVISIONS OF THE SUBDIVISION MAP ACT AND ALL APPLICABLE CITY ORDINANCES HAVE BEEN COMPLIED WITH.

DATED: _____

_____
MARC STOUT, CITY ENGINEER, CITY OF ROSEVILLE
R.C.E. 69879
EXP. DATE 9/30/2022

I HEREBY STATE THAT I AM SATISFIED THAT THIS PARCEL MAP OF "THE PLAZA AT BLUE OAKS" IS TECHNICALLY CORRECT.

FOR MARC STOUT, CITY ENGINEER, CITY OF ROSEVILLE

DATED: _____

_____
TIMOTHY G. BLAIR, P.L.S. 8278
EXP. DATE: 12/31/2021

PROFESSIONAL LAND SURVEYOR
TIMOTHY G. BLAIR
No. 8278
EXP. 12/31/21
STATE OF CALIFORNIA

CITY CLERK'S STATEMENT

I HEREBY STATE THAT THE CITY COUNCIL OF THE CITY OF ROSEVILLE HAS APPROVED THIS PARCEL MAP OF "THE PLAZA AT BLUE OAKS" AND HAS ACCEPTED ON BEHALF OF THE PUBLIC THE EASEMENTS AND RIGHTS OF WAY OFFERED HEREON FOR DEDICATION.

DATED: _____ _____
CITY CLERK, CITY OF ROSEVILLE

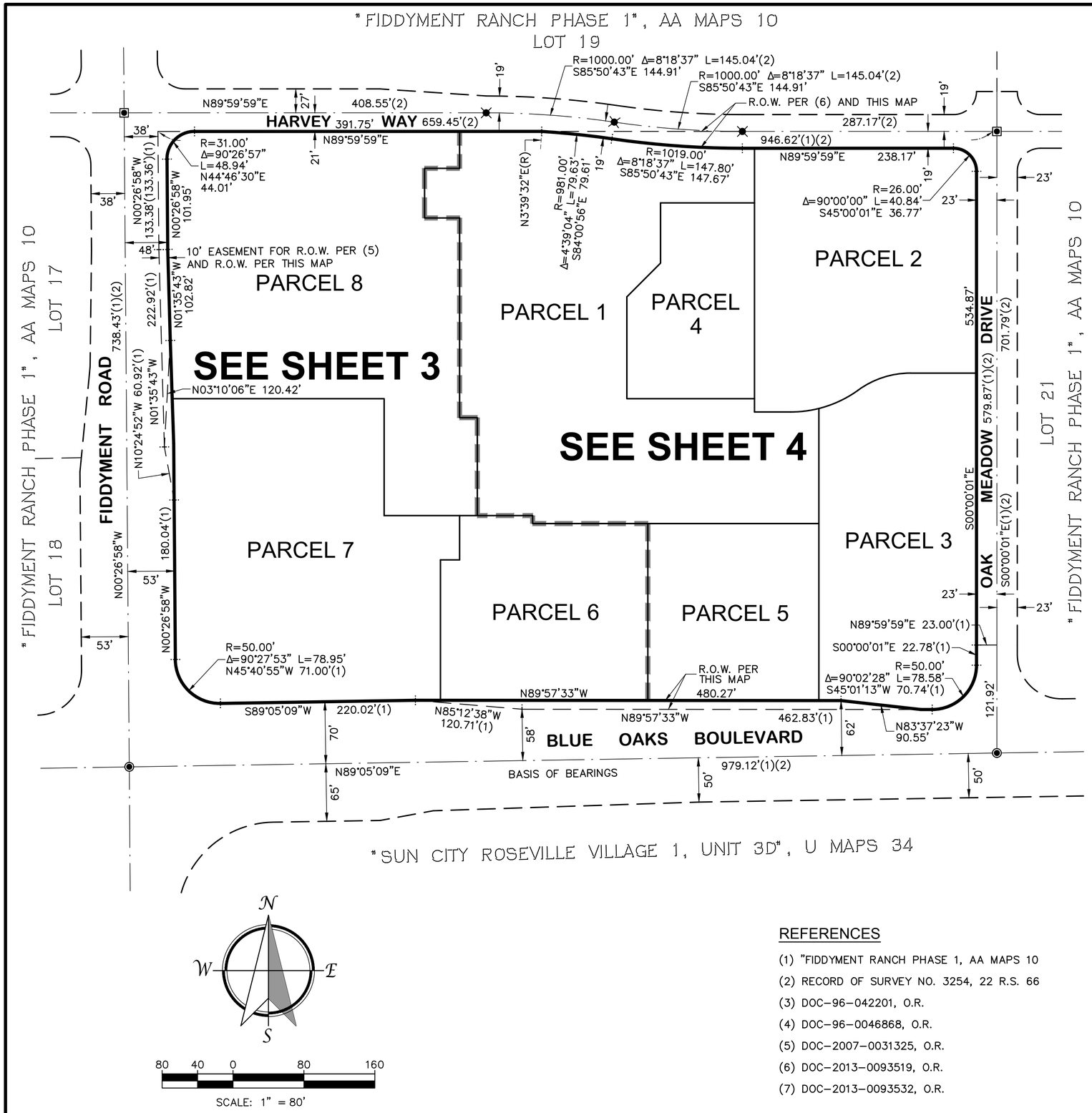
BY_____
ASSISTANT CITY CLERK

RECORDER'S STATEMENT

FILED THIS _____ DAY OF _____, 2021, AT ___.M IN BOOK _____ OF PARCEL MAPS, AT PAGE _____ , PLACER COUNTY RECORDS, AT THE REQUEST OF TSD ENGINEERING, INC.

FILE NO. 2021-_____. RYAN RONCO
PLACER COUNTY RECORDER

FEE: _____ BY: _____
DEPUTY



"SUN CITY ROSEVILLE VILLAGE 1, UNIT 3D", U MAPS 34

PARCEL MAP OF
THE PLAZA AT BLUE OAKS
SUBDIVISION NO. PL17-0368
BEING A PORTION OF LOT 22, AA MAPS 10
LYING IN SECTION 19, T.11 N., R.6 E., M.D.M.
CITY OF ROSEVILLE, COUNTY OF PLACER
STATE OF CALIFORNIA
JANUARY 2021

785 Orchard Drive, Suite #110
Folsom, CA 95630
Phone: (916) 608-0707
Fax: (916) 608-0701
TSD ENGINEERING, INC.
expect more.

NOTES

1. THIS SUBDIVISION CONTAINS 13.351 ACRES GROSS AND IS CREATING 8 COMMERCIAL PARCELS.

2. ALL CURVES SHOWN HEREON ARE DIMENSIONED WITH RADIUS, DELTA, ARC LENGTH AND CHORD BEARING & DISTANCE. ALL DISTANCES SHOWN ARE IN FEET AND DECIMALS THEREOF.

3. THE PROPERTY OWNERS WITHIN THIS SUBDIVISION SHALL AGREE TO PARTICIPATE IN A TRANSPORTATION SYSTEMS MANAGEMENT (TSM) PLAN AND SHALL AGREE TO ENTER INTO A TRANSPORTATION MANAGEMENT AGREEMENT WITH THE CITY OF ROSEVILLE.

5. A DECLARATION OF COVENANTS, CONDITIONS, RESTRICTIONS AND GRANT OF EASEMENTS FOR THIS SUBDIVISION HAS BEEN RECORDED AS DOC-2021-_____ O.R.P.C. SAID DECLARATION SETS FORTH TERMS FOR THE MAINTENANCE OF COMMON AREA FACILITIES, AND GRANTS RECIPROCAL EASEMENTS FOR ACCESS, PARKING, DRAINAGE, SEWER, WATER AND UTILITIES.

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS IDENTICAL WITH THE CENTERLINE OF BLUE OAKS BOULEVARD, AS SHOWN ON THE FINAL MAP OF "FIDDYMENT RANCH PHASE 1", FILED IN BOOK AA OF MAPS, AT PAGE 10, PLACER COUNTY RECORDS, THE BEARING WHICH IS GIVEN AS N89°05'09"E BETWEEN FOUND MONUMENTS SHOWN HEREON.

LEGEND

◉	FOUND STANDARD CITY WELL MONUMENT STAMPED "L.S. 6046" PER (1)(2)
▣	FOUND STANDARD CITY WELL MONUMENT STAMPED "L.S. 7944" PER (2)
✕	FOUND 3/4" IRON PIPE WITH PLUG STAMPED "L.S. 7944" PER (2)
◎	SET 5/8" REBAR WITH PLASTIC CAP STAMPED "L.S. 7375" OR SET MAG SPIKE WITH 1-1/2" DISC STAMPED "L.S. 7375" IN ASPHALT OR SET MAG NAIL WITH 1-1/2" DISC STAMPED "L.S. 7375" IN CONCRETE
℄	CENTERLINE
B.S.E.	BUS SHELTER EASEMENT
D.E.	DRAINAGE EASEMENT
E.E.	ELECTRICAL EASEMENT
P.E.	PEDESTRIAN EASEMENT
P.U.E.	PUBLIC UTILITY EASEMENT
(R)	RADIAL LINE
R.O.W.	RIGHT OF WAY
S.E.	SEWER EASEMENT
S.F.	SQUARE FEET
W.E.	WATER EASEMENT

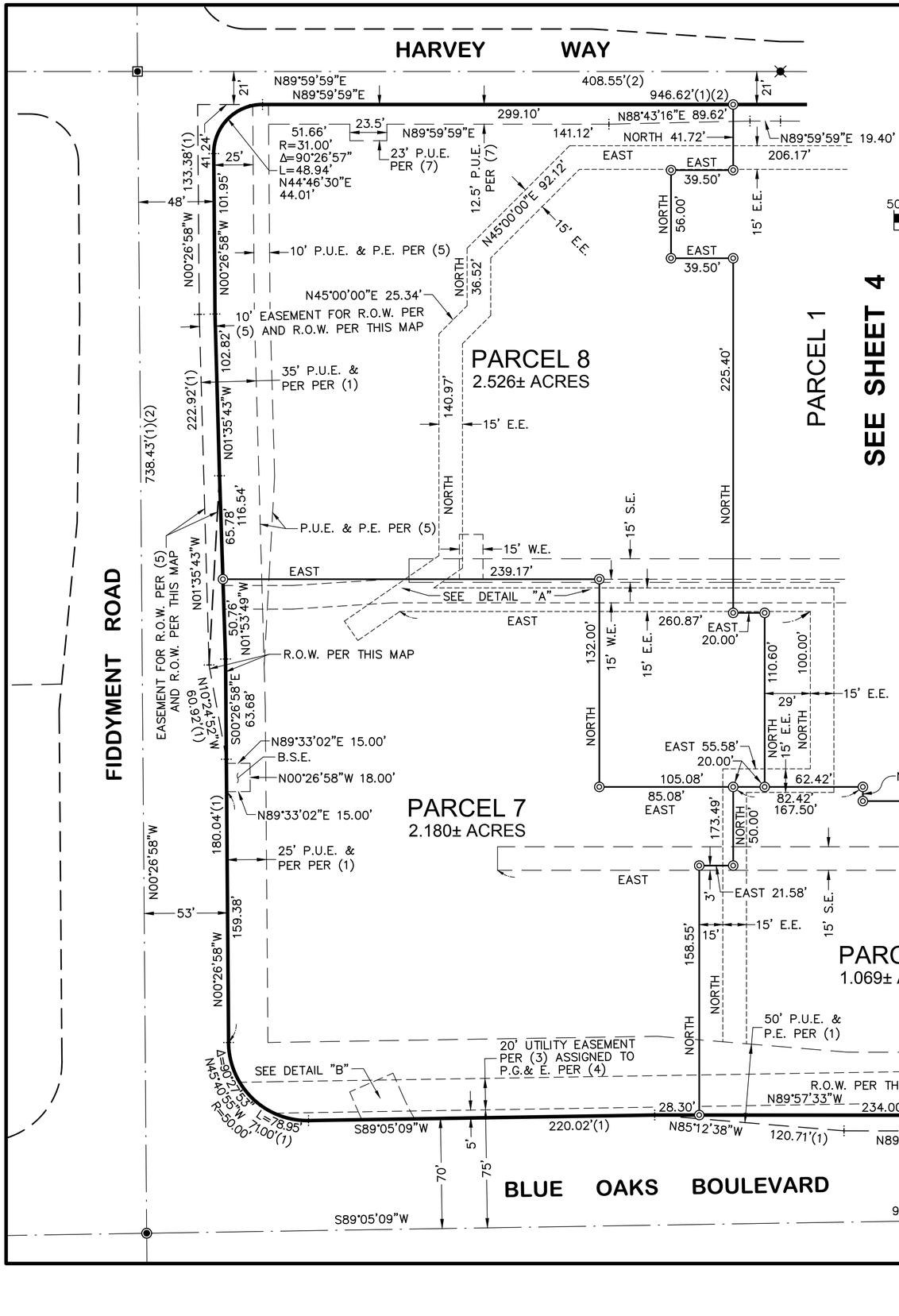
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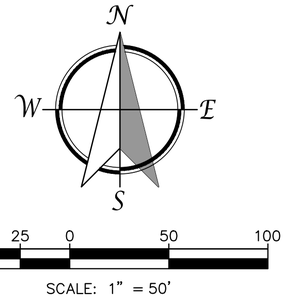
(1) "FIDDYMENT RANCH PHASE 1, AA MAPS 10
(2) RECORD OF SURVEY NO. 3254, 22 R.S. 66
(3) DOC-96-042201, O.R.
(4) DOC-96-0046868, O.R.
(5) DOC-2007-0031325, O.R.
(6) DOC-2013-0093519, O.R.
(7) DOC-2013-0093532, O.R.

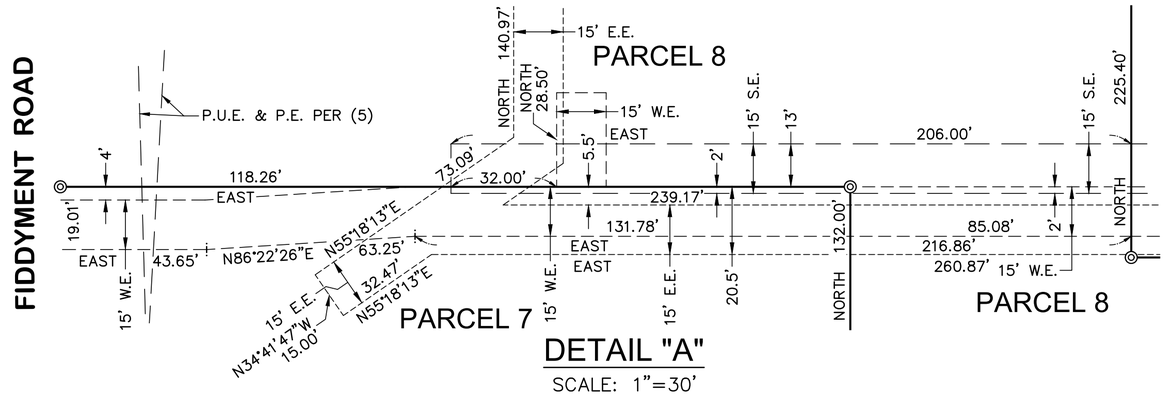
BOOK ___ OF PARCEL MAPS, PAGE ____

PARCEL MAP OF
THE PLAZA AT BLUE OAKS
SUBDIVISION NO. PL17-0368
BEING A PORTION OF LOT 22, AA MAPS 10
LYING IN SECTION 19, T.11 N., R.6 E., M.D.M.
CITY OF ROSEVILLE, COUNTY OF PLACER
STATE OF CALIFORNIA
JANUARY 2021

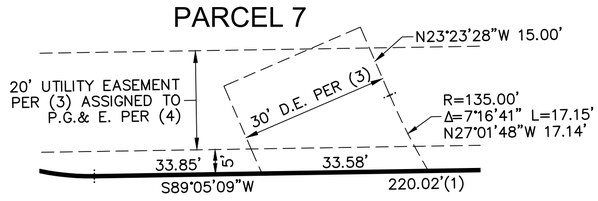
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TSD ENGINEERING, INC.
expect more.







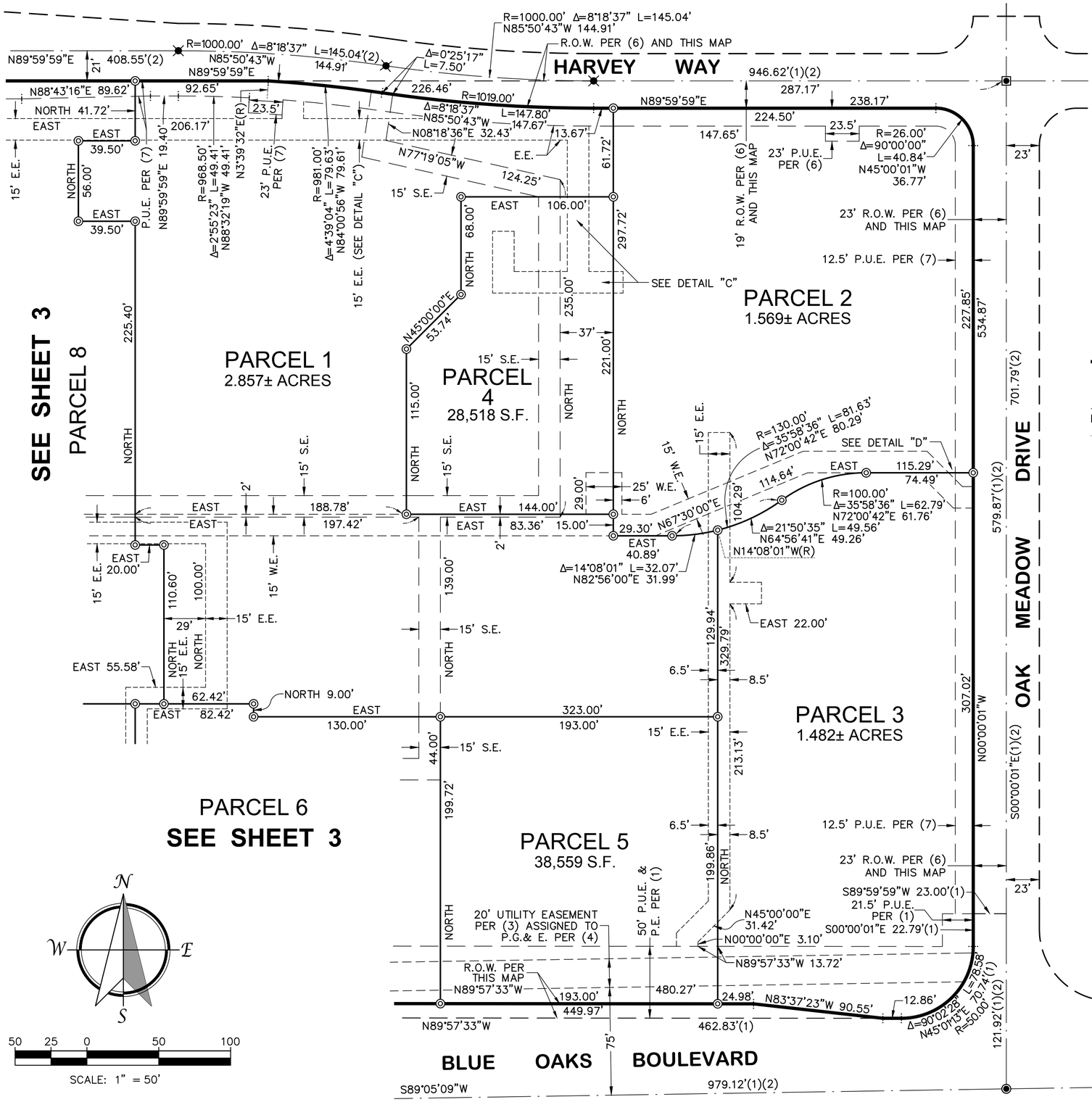
DETAIL "A"
SCALE: 1"=30'

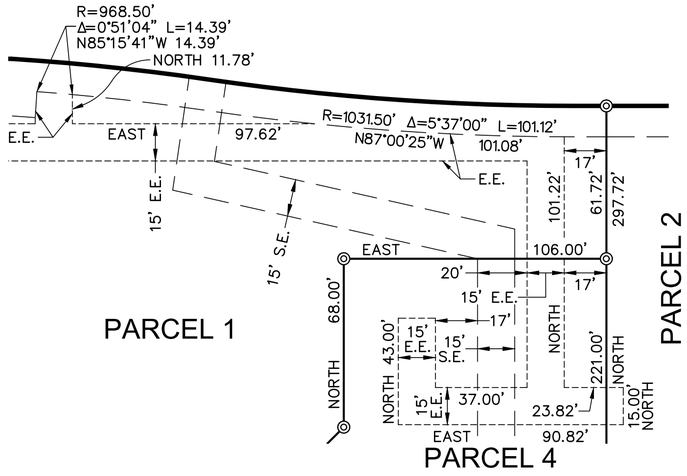


DETAIL "B"
SCALE: 1"=20'

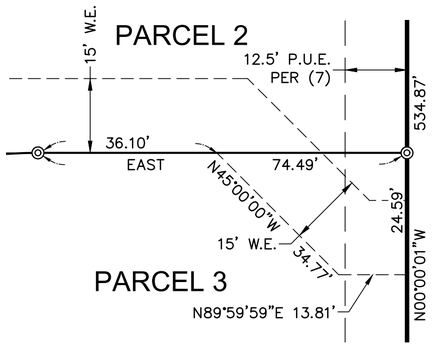
PARCEL MAP OF
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DETAIL "C"
SCALE: 1"=40'



DETAIL "D"
SCALE: 1"=20'

COUNCIL COMMUNICATION

CC #: 1245
File #: 0201

Title:	Fiscal Year 2021-22 Budget Schedule
Contact:	Scott Pettingell 916-746-1306 spettingell@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 8.1.

RECOMMENDATION TO COUNCIL

Staff recommends that the City Council receive an update on the schedule for developing the FY2021-22 budget.

BACKGROUND

Each year, Finance staff provides Council with the schedule for developing the proposed budget that outlines key dates through budget adoption as well as upcoming staff presentations.

Following is a summary of the budget schedule for FY2021-22:

Date	**Item**
February 3	Budget schedule presentation
March 17	Local Sales Tax Oversight Committee Report presentation
March 22-26	City Manager budget review meetings
April 7	Long-term liabilities (CalPERS/OPEB) presentation
April 21	Proposed CIP Budget presentation Utilities budget update presentation
May 5	Financial policies presentation
May 19	Proposed Budget delivered to City Council
May 31 – June 1	City Council Budget hearings
June 16	Budget adoption

FISCAL IMPACT

There is no fiscal impact associated with this presentation.

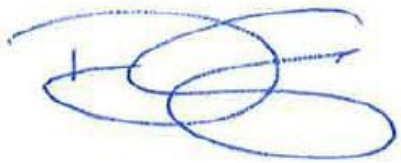
ENVIRONMENTAL REVIEW

The California Environmental Quality Act (CEQA) does not apply to activities that will not result in a direct or reasonably foreseeable indirect physical change in the environment, or is otherwise not considered a project as defined by CEQA Statute §21065 and CEQA State Guidelines §15060(c)(3) and §15378. This presentation meets the above criteria and is not subject to CEQA. No additional environmental review is required.

Respectfully Submitted,

Scott Pettingell, Budget Manager

Dennis Kauffman, Assistant City Manager/Chief Financial Officer



_____

Dominick Casey, City Manager

COUNCIL COMMUNICATION

CC #: 1265
File #: 0113-02 & 0201-01

Title:	Community Development Block Grant Coronavirus Aid, Relief, and Economic Security Act Funding - Amended 2019 Annual Action Plan and Budget Adjustment
Contact:	Kristine Faelz 916-774-5451 kpfaelz@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 9.1.

RECOMMENDATION TO COUNCIL

Staff recommends that the City Council:

1. Hold a Public Hearing and receive comments on the City's proposed amendment to the 2019 Annual Action Plan; and
2. Adopt a resolution to approve an amendment to 2019 Annual Action Plan and authorize the City Manager to execute the necessary documents and certifications on behalf of the City of Roseville for submittal of the amended Annual Action Plan amendment to HUD; and
3. Adopt an ordinance to approve a Budget Adjustment to expend the Coronavirus Aid, Relief, and Economic Security (CARES) Act funding.

BACKGROUND

As an entitlement jurisdiction, the City normally receives an annual allocation of Community Development Block Grant (CDBG) funds from the U.S. Department of Housing & Urban Development (HUD). On March 27, 2020 the Coronavirus Aid, Relief and Economic Security Act (CARES Act) was enacted to provide emergency assistance and health care response for individuals, families, and businesses affected by the COVID-19 pandemic. On September 11, 2020, HUD announced that the City of Roseville would receive $795,721 of Round 3 of the CARES Act CDBG funds, known as CDBG-CV3. In order to receive and deploy the funding into the community in an expeditious manner, the City must amend the 2019 Annual Action Plan as well as approve a budget adjustment.

Amendment to the 2019/2020 Annual Action Plan

On April 17, 2019 the Council adopted the 2019/2020 Annual Action Plan which allocated the City's 2019 allocation of CDBG funds of $651,910 to eligible activities. The proposed amendment will add $ $437,610 of the CDBG-CV3 funding to the original allocation (Attachment 1). The CDBG-CV funds must be used for CDBG eligible activities that prevent, prepare for, or respond to the COVID-19 virus; approximately 6% of the grant will be used towards

administration, including the cost for the web-based application for the CDBG application, consulting costs, and staff time.

Staff proposes to allocate the CDBG-CV3 to the following activities in amounts not to exceed:

Rent and back rent not paid due to COVID-19, not to exceed 100 days per person	$250,000
Car expense payments for individuals who would otherwise lose their jobs without transportation	$50,000
To Placer County towards Project Roomkey	$24,000
Educational assistance for homeless children	$50,000
Fair housing legal services	$40,000
Administrative costs (consulting and misc. administrative costs)	$23,610
TOTAL	**$437,610**

At this point in time, staff is not requesting a budget adjustment for the full award of $795,721, in order to allow time to determine future community needs that will be revealed due to COVID-19. The balance of the CDBG-CV3 award is $358,111 and, as proposed, will be budgeted at a later date as HUD is allowing entitlement jurisdictions up to three years from the date of award to spend the CARES Act CDBG-CV3 funds.

Rent and back rent

Upon contacting local nonprofits regarding community needs due to COVID-19, it was expressed that funds to pay back rent and help stave off evictions were of utmost importance. Some families have reported thousands of dollars owed in back rent. Providing funding for rent and back rent will prevent homelessness and provide these families with stability. It is requested that a nonprofit agency administer this program with the CDBG-CV3 funding. Additionally, the funding to cover rent and back rent due to COVID-19 shall not exceed 100 days per person.

Car expense payments

Staff is recommending $50,000 towards covering car expense and insurance payments for low income residents who have lost hours at their jobs due to COVID-19 and are having trouble making car and insurance payments. If residents lose their cars, they will lose transportation to their job, thus increasing the potential need for rental assistance. Staff would request that one nonprofit run this specific program.

Project Roomkey

The CARES Act requires that the City consult with local health authorities when determining how funds are invested. City staff and City consultants have had several conversations with the Placer County Department of Health and Human Services regarding unmet needs due to COVID-19. Project Roomkey currently houses approximately 60 previously homeless residents at the Hampton Inn, in order to provide a safe and isolated environment due to COVID-19. State funding for Project Roomkey ended at the end of September 2020, and the County has continued funding of the program through December 2020. Placer County requested funding to continue housing the individuals who have not been permanently housed as of January 1, 2021; therefore,

staff proposes to use $24,000 of CDBG-CV3 funding to assist Project Roomkey with funding for a total of 3 months.

Educational assistance for homeless children

Staff contacted the Roseville City School District to inquire about unmet school needs due to COVID-19. District staff relayed that students who fall under the McKinney Vento Act (homeless or in Foster Care) require several services due to COVID-19. These services include: the purchase of “hot spots” to ensure good internet connection; funding for monthly internet service for families whose internet service is ending; the purchase of Chromebooks for the district to loan out to students in order to attend online learning virtual tutoring. Staff proposes allocating $50,000 towards educational assistance for homeless children.

Legal services

The City recently released a Request for Proposals for a Fair Housing Services provider. This provider will assist Roseville residents with comprehensive fair housing services including investigation, counseling and legal referrals for victims of housing discrimination, along with community education and outreach regarding fair housing law and practices. The housing counseling agency will play a role in reducing and preventing evictions by providing Roseville residents with information on tenant rights and fair housing issues. Therefore, staff recommends allocating $40,000 towards legal services in order to protect residents from eviction due to COVID-19.

Budget Adjustment

The attached budget adjustment amends the FY2020-21 budget in the amount of $437,610 for the CARES Act award intended to mitigate effects of COVID-19. The award is based on the Office of Community Planning and Development's (CPD) formula allocations. The funds will be used for: grants and public services for COVID-19 mitigation, consulting services, software services for the competitive grant process, internal personnel costs to administer the program, and general administrative costs. The CARES Act funding allocation allows up to 20% of the total funding amount to be used toward administrative costs associated with the program; roughly 6%, ($23,610) is proposed to be used at this time. The funds are intended to mitigate the effects of the COVID-19 by reimbursing costs for eligible activities to respond to the pandemic.

FISCAL IMPACT

Funding is being provided through federal CDBG funds from HUD. These funds reduce costs to the General Fund for certain public service projects and help with mitigation of COVID-19, while also fulfilling CDBG accomplishments. No General Fund resources will be used.

ENVIRONMENTAL REVIEW

The California Environmental Quality Act (CEQA) does not apply to activities that will not result in a direct or reasonably foreseeable indirect physical change in the environment, or is otherwise not considered a project as defined by CEQA Statute §21065 and CEQA State Guidelines §15060(c)(3) and §15378.

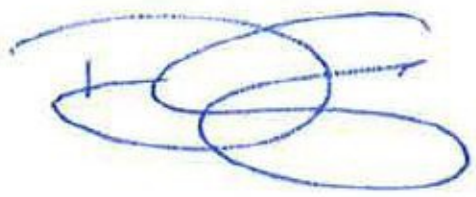
The CDBG funds are subject to the National Environmental Protection Act (NEPA) as implemented by HUD at 24 CFR 58. The NEPA reviews will be completed for each program and project funded prior to any expenditures for these activities.

The proposed amendment to the 2019 Annual Action Plan is not subject to CEQA. No additional environmental review is required.

Respectfully Submitted,

Kristine Faelz, Housing Analyst

Laura Matteoli, Economic Development Director



_____

Dominick Casey, City Manager

ATTACHMENTS:

Description

Resolution 21-049

2019 Annual Action Plan Amendment CARES Act CV3

Ordinance 6328

budget adjustment

RESOLUTION NO. 21-049

ADOPTING THE AMENDED 2019 ANNUAL ACTION PLAN AND AUTHORIZING THE CITY MANAGER TO EXECUTE ALL NECESSARY DOCUMENTS AND CERTIFICATIONS ON BEHALF OF THE CITY OF ROSEVILLE FOR SUBMITTAL OF THE AMENDMENT TO THE U.S. DEPARTMENT OF HOUSING & URBAN DEVELOPMENT (HUD)

WHEREAS, the City receives Community Development Block Grant (CDBG) funds annually from the Department of Housing & Urban Development (HUD); and

WHEREAS, on March 27, 2020 the Coronavirus Aid, Relief and Economic Security Act (CARES) was enacted by Congress to provide emergency assistance and health care response for individuals, families, and businesses affected by the COVID-19 pandemic; and

WHEREAS, on September 11, 2020, HUD announced that the City of Roseville would receive $795,721 of Round 3 of CARES Act CDBG funds, known as CDBG-CV3; and

WHEREAS, in order to receive and deploy the funding into the community in an expeditious manner, the City must amend the 2019 Annual Action Plan; and

WHEREAS, the Council conducted a public hearing on February 3, 2021 to receive public comments regarding the Amended 2019 Annual Action Plan.

NOW THEREFORE, BE IT RESOLVED by the Council of the City of Roseville that the Amended 2019 Annual Action Plan is hereby adopted.

BE IT FURTHER RESOLVED that the City Manager is hereby authorized to execute all necessary documents and certifications for submittal of the Amended 2019 Annual Plan to the U.S. Department of Housing & Development (HUD) on behalf of the City of Roseville.

PASSED AND ADOPTED by the Council of the City of Roseville this_____day of_____, 2021, by the following vote on roll call:

AYES: COUNCIL MEMBERS:

NOES: COUNCIL MEMBERS:

ABSENT: COUNCIL MEMBERS:

_____
Mayor

ATTEST:

_____
City Clerk

On April 2, 2020, HUD notified the City of Roseville that it would receive $417,412 of this special allocation, referred to as CDBG-CV funding. CDBG-CV funds must be used to prevent, prepare for, or respond to the COVID-19 virus. Amendment #1 to this Consolidated Plan is required for the City to implement CDBG-CV funded activities. In addition, the City proposes to increase funding to The Gathering Inn bathroom remodel, IDIS Activity #390 to meet ADA requirements.

On September 11, 2020, HUD notified the City of Roseville that it would receive $795,721 of this special allocation, referred to as CDBG-CV3 funding. CDBG-CV funds must be used to prevent, prepare for, or respond to the COVID-19 virus. Amendment #2 to this Consolidated Plan is required for the City to implement CDBG-CV funded activities.

Executive Summary

AP-05 Executive Summary - 24 CFR 91.200(c), 91.220(b)

1. Introduction

The 2019 Annual Action Plan constitutes the fifth year of the 2015-2020 Five-year Consolidated Planning period.

Each year the City must submit an Annual Action Plan to the federal Department of Housing and Urban Development (HUD) describing the planned use of its CDBG award. The primary objective of CDBG is the development of viable urban communities through the provision of decent housing, a suitable living environment, and expanded economic opportunities for low and moderate-income individuals/families and communities. The Annual Action Plan describes the City's housing and community needs and the planned actions to address those needs. The City plans to submit the Annual Action Plan HUD by May 15, 2019, but no later than August 16, 2019, pending HUD notifying the City of its 2019 CDBG award.

The City has been notified that its 2019 CDBG award amount will be $651,910.00. The City is also planning for the use of $13,500.00 in carryover funds.

The City plans to incur costs for 2019 CDBG activities prior to the award of funds. These costs will be limited to those that the City has found to be necessary for the efficient and timely performance of the CDBG program and the funded activity. Costs will not be incurred prior to the completion of the public comment period, and not prior to the approval of the Annual Action Plan by the City Council. Pre-award costs will not exceed one-half of the estimated award. Pre-award costs will be funded from the 2019 award only. Subsequent award years will not be impacted.

The City will utilize CDBG funds as well as other Federal, State and local resources, including its Section 8 Housing Choice Voucher Rental Assistance Contract, State Administered HOME funds, and local

developer contributions to address housing and community development priority needs identified in the Consolidated Plan.

The Annual Action Plan identifies a variety of activities, including public services, public facility improvements, removal of architectural barriers, and housing activities the City proposes to undertake during the Program Year to meet underserved needs identified in the Consolidated Plan. In addition, the Action Plan discusses the actions the City will take to address: lead-based paint hazards; barriers to affordable housing; housing needs of households at or below the poverty level; and Fair Housing resource needs.

On April 2, 2020, HUD notified the City of Roseville that it would receive $417,412 of this special allocation, referred to as CDBG-CV funding. CDBG-CV funds must be used to prevent, prepare for, or respond to the COVID-19 virus. Amendment #1 to this Consolidated Plan is required for the City to implement CDBG-CV funded activities. Also, the City proposes to add $120,000 in funding to The Gathering Inn bathroom remodel project, increasing the total project award from $326,526 to $446,526 to allow for increased costs due to ADA requirements. Amended language is included in italicized font.

On September 11, 2020, HUD notified the City of Roseville that it would receive $795,721 of this special allocation, referred to as CDBG-CV3 funding. CDBG-CV3 funds must be used to prevent, prepare for, or respond to the COVID-19 virus. Amendment #2 to this Consolidated Plan is required for the City to implement CDBG-CV funded activities. Amended language is included in italicized font.

2. Summarize the objectives and outcomes identified in the Plan

This could be a restatement of items or a table listed elsewhere in the plan or a reference to another location. It may also contain any essential items from the housing and homeless needs assessment, the housing market analysis or the strategic plan.

The City will allocate investment of resources on a city-wide basis for Affordable Housing Programs such as the Section 8 Housing Choice Voucher and Housing Rehabilitation Program. In addition, rental and purchase units provided under the City's 10% Affordable Housing Goal will be offered on a City-wide basis.

Activities identified under the public service category and targeted to special needs populations will be offered on a city-wide basis and/or where resources can be coordinated with existing facilities or services.

Improvements to public facilities will be made to facilities that provide public services to high priority special needs populations.

The City will allocate resources to activities/programs proposed for the 2019 Program Year that are identified as a "high" priority and consistent with the strategies identified in the Consolidated Plan.

Lack of sufficient funding continues to be the greatest obstacle in meeting the underserved needs. During the next year the City will continue to apply for funding and/or support applications by service providers to expand affordable housing opportunities as well as homeless assistance and supportive services consistent with the Consolidated Plan.

Affordable Housing —The Roseville Housing Authority will apply for additional Section 8 Housing Choice Vouchers, if made available, to increase the number of extremely low and very low-income households receiving rental assistance. The City will continue to implement the City's 10% Affordable Housing Goal to increase the number of rental and purchase units affordable to very low, low, and moderate income households; support private development of affordable housing using Low Income Housing Tax Credits (LIHTCs), and Tax Exempt Bond financing; apply for HOME (state) funds in order to continue to expand the City's Housing Rehabilitation Programs for low-income households.

The City will invest in the development of affordable housing in Historic Old Town Roseville, replacing ten units demolished in a condemned structure with a 65-unit apartment project. These 65 units will be long-term affordable rental units constructed using LIHTCs and other funding sources. The City previously funded the demolition of the structure formerly occupying the site.

Homeless --The City will continue its efforts to meet the underserved needs of the homeless population through participation in a county-wide Continuum of Care process.

Supportive Services --The City will continue its support of applications by public and private social service agencies to expand support services to help meet underserved needs. The City will provide CDBG funding for a variety of public services in Roseville.

3. Evaluation of past performance

This is an evaluation of past performance that helped lead the grantee to choose its goals or projects.

During the 2018 Program Year (PY) the City expended CDBG funds on eligible activities that primarily benefited low and moderate income persons. The City implemented programs to achieve its goals as specified in the Consolidated and Annual Action Plans by using CDBG funds for affordable housing and public services by focusing on the needs of the most vulnerable populations, which included seniors, the individuals and families who were homeless, and those at-risk of becoming homeless.

Due to decreased funding the City was unable to meet its goals for creating affordable housing; however, significant progress was made towards the improvement of the City’s housing stock as a result of projects assisted through the Housing Rehabilitation Program, including exterior paint, and lead-based paint hazard reduction work. The City was able to make progress towards affordable housing production through the construction of 58 new units at The Lohse Apartments on Vernon Street, 42 new units at the Campus Oaks Apartments off of Roseville Parkway, and the completed demolition of a

condemned structure to make way for the construction of 65 affordable units at Main Street Plaza in Historic Old Town at Washington Boulevard and Main Street.

In 2018, the City also funded public improvements to Saint Vincent de Paul with a walk-in freezer installation at an important public facility that serves low-income individuals and families, and those at-risk of homelessness with food supplies. The City also funded accessibility improvements to Johnson Pool, a public pool that serves a predominately low-income area of Roseville.

4. Summary of Citizen Participation Process and consultation process

Summary from citizen participation section of plan.

The City of Roseville's Housing Division is the lead agency responsible for the development of the Consolidated Plan and Annual Action Plan. The Housing Division is also the primary agency responsible for the administration and management of programs and projects covered by the Consolidated Plan and identified in the Annual Action Plan (Plan).

Throughout the preparation of the Annual Action Plan, City staff sought input and collected data for the Plan from interested citizens, housing providers, service providers, local agencies and non-profit organizations. The City encouraged others to participate in the development of the Plan via public notice and invitations to a public meeting to more than one hundred regional and local services agencies, non-profit organizations, city staff, and interested individuals.

A public meeting was held in January 2019. For those unable to attend the public meetings, the invitation encouraged written comments be submitted.

The January 2019 meeting began the Action Plan process; the purpose of the Plan was discussed during this meeting. Those attending the meeting were encouraged to identify community needs and proposed strategies for meetings those needs. The meeting also discussed the 2019/2020 application for CDBG funding. Four staff from three agencies attended this workshop.

Agencies present were: Boys and Girls Club of Placer County, Stand Up Placer, and St Vincent de Paul Roseville.

Applications for funding requests for the 2019 Program Year were accepted online. The City received $563,000 in requests: seven requests for public services grants from six agencies totaling $105,000; and three requests for facility improvement funding totaling $458,000.

Funding for the public services category is subject to a 15 percent federal cap. According to the City’s PY 2019 allocation of $651,910.00, this cap equates to $97,786.50 that may be allocated towards the public services awards. In order to ensure compliance with the public services award cap, five of the seven

agencies that applied are recommended to receive their funding request in full, while the remaining two agencies are recommended to receive 75 percent of their funding request.

The City received three applications for facility improvements and intends to fully fund two of the requests and provide nearly 80 percent funding to the third request. Should the actual allocation for PY 2019 be greater than projected, funding will be directed towards the facilities improvements category to fully fund all three applications.

Please see the attached Summary of Citizen Participation.

Amendment #1 to this plan will be noticed in English and Spanish in the Press Tribune on May 8, 2020 and will be made available for public review and comment on the City's website from May 8, 2020 to May 19, 2020, to be followed with a "virtual" public hearing on May 20, 2020. In response to public health concerns and to facilitate immediate deployment of funds to address community impacts of the COVID-19 virus, the City has requested that HUD waive certain citizen participation requirements for amendments to the Consolidated Plan including reducing the standard 30-day public comment to a minimum five days and modifications of the public participation process in the City's Citizen Participation Plan, provided residents are given reasonable notice and opportunity to comment. Prior to developing this amendment, the City consulted with the Placer County Department of Health and Human Services as required by HUD for use of funds to address COVID-19.

Amendment #2 to this plan will be noticed in English and Spanish in the Press Tribune on December 4, 2020 and will be made available for public review and comment on the City's website from December 4, 2020 to February 2, 2020, to be followed with a "virtual" public hearing on February 3, 2021. In response to public health concerns and to facilitate immediate deployment of funds to address community impacts of the COVID-19 virus, the City has requested that HUD waive certain citizen participation requirements for amendments to the Consolidated Plan including modifications of the public participation process in the City's Citizen Participation Plan, provided residents are given reasonable notice and opportunity to comment. Prior to developing this amendment, the City consulted with the Placer County Department of Health and Human Services as required by HUD for use of funds to address COVID-19.

5. Summary of public comments

This could be a brief narrative summary or reference an attached document from the Citizen Participation section of the Con Plan.

Citizen participation and comments have been solicited through the use of public notices in the local newspaper, direct notification via email to local non-profit collaborations on listserv groups, and mailings to services agencies, service providers, neighborhood groups and other interested parties.

Public meetings and hearings have been held in accordance with the City's Citizen Participation Plan to provide an opportunity for community input into what services, projects, or activities the City will

undertake with Community Development Block Grant funds. The Roseville City Council reviews, conducts a public hearing and approves the Annual Action Plan prior to submission to the Department of Housing and Urban Development.

The City followed the requirements for citizen participation as outlined in the City of Roseville Citizen Participation Plan and as detailed above.

Please see the attached Summary of Citizen Participation.

6. Summary of comments or views not accepted and the reasons for not accepting them

The City considers and reviews all comments received during the public participation process. All comment was accepted. No comment required a response from staff.

7. Summary

PR-05 Lead & Responsible Agencies – 91.200(b)

1. Agency/entity responsible for preparing/administering the Consolidated Plan

Describe the agency/entity responsible for preparing the Consolidated Plan and those responsible for administration of each grant program and funding source.

Agency Role	Name	Department/Agency
CDBG Administrator	ROSEVILLE	Economic Development Department - Housing Division

Table 1 – Responsible Agencies

Narrative (optional)

Consolidated Plan Public Contact Information

AP-10 Consultation – 91.100, 91.200(b), 91.215(l)

1. Introduction

The consolidated planning process requires jurisdictions to contact and consult with other public and private agencies when developing the Plan. The Plan itself must include a summary of the consultation process, including identification of the agencies that participated in the process. Jurisdictions also are required to summarize their efforts to enhance coordination between public and private agencies.

Provide a concise summary of the jurisdiction's activities to enhance coordination between public and assisted housing providers and private and governmental health, mental health and service agencies (91.215(l))

In preparing the Plan, the City consulted with various organizations located in Roseville and Placer County that provide services to the residents of Roseville. In many instances, these consultations are part of ongoing interactions between Roseville's Housing Division and the agency or group described.

City of Roseville

1. City Council. Authorizes (at a public hearing) the submission of the Consolidated Plan and Annual Action Plan to HUD.
2. City of Roseville Development Services Department – Planning Division. Reviews CDBG- and HOME-funded development projects to determine whether proposed development activities comply with the General Plan and Zoning Code; responsible for drafting the Roseville General Plan 2025, adopted in 2010, including the Housing Element, which was updated in 2012 and certified in 2013. The update has been cited throughout this Plan as the Housing Element of the General Plan 2013–2021.
3. City of Roseville Economic Development Department-- Provides assistance with business needs such as starting or expanding a business, finding a site, or connecting with other City services.
4. Roseville Housing Authority-- Addresses the housing needs of extremely low- and low-income residents in the City through a variety of programs including the Housing Choice Voucher Program.

County of Placer

1. Placer County Community Development Department – Planning Services Division-- Coordinates the housing programs and funding. Responsible for drafting the Placer County General Plan Housing Element, as well as an incentive program intended to encourage the development of new affordable housing units in the unincorporated areas.

2. Placer County Department of Health and Human Services – Behavioral Health Division-- Provides information regarding the needs of Placer County residents who have mental disabilities. Representatives of this division also participate in various Continuum of Care working groups.
3. Placer County Department of Health and Human Services – Public Health Division-- Provides information regarding the potential of lead-based paint hazards in the county.

Describe coordination with the Continuum of Care and efforts to address the needs of homeless persons (particularly chronically homeless individuals and families, families with children, veterans, and unaccompanied youth) and persons at risk of homelessness.

Significant aspects of the Consolidated Plan development process included consultations with the Homeless Resource Council of the Sierras (HRCS), the Nevada-Placer Continuum of Care (CoC), Placer Collaborative Network (PCN), and the Placer Consortium on Homelessness (PCOH). Efforts to address the needs of homeless persons are described in greater detail later in this Plan.

The PCOH, a regional planning group of the HRCS, addresses the needs of all homeless subpopulations, including: domestic violence victims; persons with mental illness, substance abuse, and HIV+/AIDS; veterans; and youth. Current and formerly homeless individuals attend PCOH meetings. Other representatives include members from the faith-based community, nonprofits, businesses, and City and County government. The consortium's 10-Year Homeless Action Plan and its annual submissions to HUD reflect the demographics, needs and available shelter, housing, and services in all three HUD entitlement jurisdictions in order to provide a cohesive shelter system throughout the County. The Food Closet Collaborative coordinates the work of over 14 food closets in conjunction with the Placer County Food Bank.

A complete inventory of facilities and services provided throughout Placer County, including Roseville, is identified on the Homeless Resource Council of the Sierras Continuum of Care website at http://www.hrcscoc.org/resource-links.html.

Describe consultation with the Continuum(s) of Care that serves the jurisdiction's area in determining how to allocate ESG funds, develop performance standards for and evaluate outcomes of projects and activities assisted by ESG funds, and develop funding, policies and procedures for the operation and administration of HMIS

Homeless Resource Council of the Sierras (HRCS) Governance Board

The HRCS, the Nevada-Placer Continuum of Care (CoC), Governance Board works toward developing a continuum of services where the ultimate goal is to prevent and eradicate homelessness in Nevada and Placer counties. Efforts are aimed at permanent solutions, and the range of services is designed to meet the unique and complex needs of individuals who are currently experiencing homelessness or are at risk of becoming homeless. The Governance Board responds to and implements HUD's Policy and Program

Priorities. The Governance Board also oversees all planning processes, the regional planning groups, committees, and the CoC Program and Emergency Solutions Grants (ESG) application processes. A HRCS subcommittee, Outcomes and Measurements, administers the Rating and Ranking Committee and its process of ranking applications. Issues are framed at the board level; they are then considered by the three regional planning groups. Recommendations are sent back to the Governance Board, who makes the final decisions.

Regional Planning Groups

Three Regional Planning Groups are directly involved in CoC-wide planning activities including setting priorities, reviewing performance data, project review and selection, discharge planning, the Consolidated Application, conducting homeless counts, and 10-year plan coordination. Each addresses homelessness in its own area and then forwards that information to the Governance Board. The Placer Consortium on Homelessness (PCOH) covers the more populated western part of Placer County that includes Roseville, Rocklin, Lincoln, Loomis, Auburn, and the foothills. The Nevada County Coordinating Council addresses Nevada City, Grass Valley, North San Juan, Penn Valley, and Alta Sierra. The Tahoe Truckee Homelessness Group covers both counties in the greater North Lake Tahoe and Truckee region.

These regional planning groups ensure that homeless needs from all areas of the CoC are represented. The groups are very inclusive, and all those involved with homeless issues are recruited. The CoC supports currently or formerly homeless individuals in attending; extensive e-mail to listserv groups is used to reach out to all sectors of the CoC areas. The HRCS Board is representative of all areas of the CoC and all targeted homeless populations. The HRCS Board is currently in the process of splitting the two continuums back into Nevada County and Placer County, in an effort to maximize funding opportunities, but HRCS would remain the collaborative applicant and coordinator amongst the two Continuums of Care.

Outcomes and Measurements

The Outcomes and Measurements Committee addresses the CoC's overall outcomes, application ranking, as well as monitoring the writing of the homeless strategies plan. The Committee sets selection criteria and organizes the Rating and Ranking panels for specific funding sources such as the CoC Program and ESG funds. The Committee is responsible for developing performance measurements and reviews all CoC Program and ESG-funded projects on an annual basis. The Committee presents its work to the regional planning groups and the HRCS Governance Board.

The Outcomes and Measurements Committee uses a rating and ranking panel that is responsible for developing, implementing, and improving the Coordinated Assessment process and the ESG Written Standards for identifying areas where the CoC Program and the ESG Programs should be integrated. No jurisdiction within the two counties receives ESG funds directly from HUD; therefore, the agencies must apply to the California Department of Housing and Community Development (HCD) for ESG funds.

2. Describe Agencies, groups, organizations and others who participated in the process and describe the jurisdiction's consultations with housing, social service agencies and other entities

Table 2 – Agencies, groups, organizations who participated

1	**Agency/Group/Organization**	KidsFirst
	Agency/Group/Organization Type	Services-Children
	What section of the Plan was addressed by Consultation?	Non-Homeless Special Needs
	Briefly describe how the Agency/Group/Organization was consulted. What are the anticipated outcomes of the consultation or areas for improved coordination?	The agency was encouraged to apply for CDBG funding. The agency was asked to review and comment on the draft Annual Action Plan. Public service agency consultations assist the City to prioritize funding and to identify trends in housing and human service needs.
2	**Agency/Group/Organization**	CITY OF ROSEVILLE PARKS & RECREATION
	Agency/Group/Organization Type	Services-Children Grantee Department
	What section of the Plan was addressed by Consultation?	Anti-poverty Strategy
	Briefly describe how the Agency/Group/Organization was consulted. What are the anticipated outcomes of the consultation or areas for improved coordination?	The Department was asked to identify needs for improvements to public facilities and parks. The agency was asked to review and comment on the draft Annual Action Plan. Inter-departmental consultations assist the City to prioritize funding and to identify trends in public facility needs.
3	**Agency/Group/Organization**	Roseville Home Start, Inc.
	Agency/Group/Organization Type	Services - Housing

	What section of the Plan was addressed by Consultation?	Homeless Needs - Chronically homeless Homeless Needs - Families with children Homelessness Strategy
	Briefly describe how the Agency/Group/Organization was consulted. What are the anticipated outcomes of the consultation or areas for improved coordination?	The agency was asked to review and comment on the draft Annual Action Plan. Public service agency consultations assist the City to prioritize funding and to identify trends in housing and human service needs.
4	**Agency/Group/Organization**	Seniors First
	Agency/Group/Organization Type	Services-Elderly Persons
	What section of the Plan was addressed by Consultation?	Non-Homeless Special Needs
	Briefly describe how the Agency/Group/Organization was consulted. What are the anticipated outcomes of the consultation or areas for improved coordination?	The agency was encouraged to apply for CDBG funding. The agency was asked to review and comment on the draft Annual Action Plan. Public service agency consultations assist the City to prioritize funding and to identify trends in housing and human service needs.
5	**Agency/Group/Organization**	THE GATHERING INN
	Agency/Group/Organization Type	Services - Housing Services-homeless
	What section of the Plan was addressed by Consultation?	Homeless Needs - Chronically homeless Homeless Needs - Families with children Homelessness Needs - Veterans Homelessness Needs - Unaccompanied youth Homelessness Strategy
	Briefly describe how the Agency/Group/Organization was consulted. What are the anticipated outcomes of the consultation or areas for improved coordination?	The agency was encouraged to apply for CDBG funding. The agency was asked to review and comment on the draft Annual Action Plan. Public service agency consultations assist the City to prioritize funding and to identify trends in housing and human service needs.

6	**Agency/Group/Organization**	Advocates for Mentally Ill Housing (AMIH)
	Agency/Group/Organization Type	Services - Housing Services-homeless Services-Health
	What section of the Plan was addressed by Consultation?	Homeless Needs - Chronically homeless Homeless Needs - Families with children Homelessness Needs - Veterans Homelessness Needs - Unaccompanied youth Homelessness Strategy
	Briefly describe how the Agency/Group/Organization was consulted. What are the anticipated outcomes of the consultation or areas for improved coordination?	The agency was encouraged to apply for CDBG funding. The agency was asked to review and comment on the draft Annual Action Plan. Public service agency consultations assist the City to prioritize funding and to identify trends in housing and human service needs.
7	**Agency/Group/Organization**	STAND UP PLACER INC
	Agency/Group/Organization Type	Services-Victims of Domestic Violence
	What section of the Plan was addressed by Consultation?	Non-Homeless Special Needs
	Briefly describe how the Agency/Group/Organization was consulted. What are the anticipated outcomes of the consultation or areas for improved coordination?	The agency participated in the annual CDBG Community Needs Workshop. The agency was encouraged to apply for CDBG funding. The agency was asked to review and comment on the draft Annual Action Plan. Public service agency consultations assist the City to prioritize funding and to identify trends in housing and human service needs.

8	**Agency/Group/Organization**	Placer Veterans' Stand Down, Inc
	Agency/Group/Organization Type	Housing Services-Persons with Disabilities Services-homeless Services-Health Services-Employment
	What section of the Plan was addressed by Consultation?	Homeless Needs - Chronically homeless Homelessness Needs - Veterans
	Briefly describe how the Agency/Group/Organization was consulted. What are the anticipated outcomes of the consultation or areas for improved coordination?	The agency was asked to review and comment on the draft Annual Action Plan. Public service agency consultations assist the City to prioritize funding and to identify trends in housing and human service needs.
9	**Agency/Group/Organization**	The Salvation Army Roseville Corps
	Agency/Group/Organization Type	Services-homeless Services-Health Services-Employment
	What section of the Plan was addressed by Consultation?	Homeless Needs - Chronically homeless Homeless Needs - Families with children Homelessness Needs - Unaccompanied youth Homelessness Strategy
	Briefly describe how the Agency/Group/Organization was consulted. What are the anticipated outcomes of the consultation or areas for improved coordination?	
10	**Agency/Group/Organization**	Boys & Girls Club of Placer County
	Agency/Group/Organization Type	Services-Children

	What section of the Plan was addressed by Consultation?	Homelessness Needs - Unaccompanied youth Non-Homeless Special Needs
	Briefly describe how the Agency/Group/Organization was consulted. What are the anticipated outcomes of the consultation or areas for improved coordination?	The agency participated in the annual CDBG Community Needs Workshop. The agency was encouraged to apply for CDBG funding. The agency was asked to review and comment on the draft Annual Action Plan. Public service agency consultations assist the City to prioritize funding and to identify trends in housing and human service needs.
11	**Agency/Group/Organization**	Saint Vincent de Paul
	Agency/Group/Organization Type	Services-Elderly Persons Services-Persons with Disabilities Services-homeless Services-Health
	What section of the Plan was addressed by Consultation?	Homeless Needs - Chronically homeless Homeless Needs - Families with children Homelessness Needs - Veterans Homelessness Strategy
	Briefly describe how the Agency/Group/Organization was consulted. What are the anticipated outcomes of the consultation or areas for improved coordination?	The agency participated in the annual CDBG Community Needs Workshop. The agency was encouraged to apply for CDBG funding. The agency was asked to review and comment on the draft Annual Action Plan. Public service agency consultations assist the City to prioritize funding and to identify trends in housing and human service needs.
12	**Agency/Group/Organization**	GRID Alternatives North Valley
	Agency/Group/Organization Type	Services-Employment
	What section of the Plan was addressed by Consultation?	Housing Need Assessment Economic Development Anti-poverty Strategy

	Briefly describe how the Agency/Group/Organization was consulted. What are the anticipated outcomes of the consultation or areas for improved coordination?	The agency was asked to review and comment on the draft Annual Action Plan. Public service agency consultations assist the City to prioritize funding and to identify trends in housing and human service needs.
13	**Agency/Group/Organization**	Big Brothers/Big Sisters of Greater Sacramento
	Agency/Group/Organization Type	Services-Children
	What section of the Plan was addressed by Consultation?	Non-Homeless Special Needs
	Briefly describe how the Agency/Group/Organization was consulted. What are the anticipated outcomes of the consultation or areas for improved coordination?	The agency was asked to review and comment on the draft Annual Action Plan. Public service agency consultations assist the City to prioritize funding and to identify trends in housing and human service needs.

Identify any Agency Types not consulted and provide rationale for not consulting

Other local/regional/state/federal planning efforts considered when preparing the Plan

Name of Plan	Lead Organization	How do the goals of your Strategic Plan overlap with the goals of each plan?
Continuum of Care	Homeless Resource Council of the Sierras (HRCS)	Serving the homeless community as the CoCs primary concern is addressing the basic needs of the homeless population.

Table 3 – Other local / regional / federal planning efforts

Narrative (optional)

AP-12 Participation – 91.105, 91.200(c)

1. Summary of citizen participation process/Efforts made to broaden citizen participation

Summarize citizen participation process and how it impacted goal-setting

The City receives calls throughout the year and makes note of needed projects. The City also attends stakeholder meetings to hear and make note of the needs of the community. Finally, the City holds a community meeting, a public hearing, and publishes a public notice in the local English paper. To address the Spanish speaking community, the City posts the public notice translated to Spanish in the same local English paper, as well as on the City website. The City also attends public meetings put on by the Latino Leadership Council, a local organization comprised of various non-profits and agencies, as well as a local community board at St. Rose, a Spanish-speaking church, in order to provide outreach to the Spanish-speaking community in the region.

Citizen Participation Outreach

Sort Order	Mode of Outreach	Target of Outreach	Summary of response/attendance	Summary of comments received	Summary of comments not accepted and reasons	URL (If applicable)
1	Public Meeting	Minorities Non-English Speaking - Specify other language: Spanish Persons with disabilities	See the attached Summary of Citizen Participation.	See the attached Summary of Citizen Participation.	See the attached Summary of Citizen Participation.	

Sort Order	Mode of Outreach	Target of Outreach	Summary of response/attendance	Summary of comments received	Summary of comments not accepted and reasons	URL (If applicable)
2	Newspaper Ad	Minorities Non-English Speaking - Specify other language: Spanish Persons with disabilities	See the attached Summary of Citizen Participation.	See the attached Summary of Citizen Participation.	See the attached Summary of Citizen Participation.	
3	Internet Outreach	Minorities Non-English Speaking - Specify other language: Spanish Persons with disabilities	See the attached Summary of Citizen Participation.	See the attached Summary of Citizen Participation.	See the attached Summary of Citizen Participation.	
4	Public Hearing	Non-targeted/broad community	See the attached Summary of Citizen Participation.	See the attached Summary of Citizen Participation.	See the attached Summary of Citizen Participation.	

Table 4 – Citizen Participation Outreach

Expected Resources

AP-15 Expected Resources – 91.220(c)(1,2)

Introduction

The 2019 Annual Action Plan constitutes the fifth year of the Five-year Consolidated Planning period. The City of Roseville has been allocated $651,910.00 in 2019 Program Year (PY) Community Development Block Grant (CDBG) funding. The City is also re-programming $13,500.00 in uncommitted prior year funds, from the 2018 Program year.

The City will utilize CDBG funds as well as other Federal, State and local resources, including Section 8 Housing Choice Voucher Rental Assistance Contracts, State Administered HOME funds, and local developer contributions to address housing and community development priority needs.

On April 2, 2020, HUD notified the City of Roseville that it would receive $417,412 of this special allocation, referred to as CDBG-CV funding. CDBG-CV funds must be used to prevent, prepare for, or respond to the COVID-19 virus. Amendment #1 to this Consolidated Plan is required for the City to implement CDBG-CV funded activities. In addition, at the time of the amendment, the City had $245,430 in disencumbered Prior Year Resources and $61,639 in program income available for allocation.

On September 11, 2020, HUD notified the City of Roseville that it would receive $795,721 of this special allocation, referred to as CDBG-CV3 funding. CDBG-CV3 funds must be used to prevent, prepare for, or respond to the COVID-19 virus. Amendment #2 to this Consolidated Plan is required for the City to implement CDBG-CV funded activities.

Anticipated Resources

Program	Source of Funds	Uses of Funds	Expected Amount Available Year 1				Expected Amount Available Remainder of ConPlan $	Narrative Description
			Annual Allocation: $	Program Income: $	Prior Year Resources: $	Total: $		
CDBG	public - federal	Acquisition Admin and Planning Economic Development Housing Public Improvements Public Services	651,910	61,639	245,430	958,979	0	The $13,500 carryover funds from the 2018 program year will be utilized towards the AMIH solar project. Amendment 1 - 2015, 2018, 2019 carryover funds and PI allocated to TGI bathroom remodel and CARES Act projects.
HUD-VASH	public - federal	Housing	0	0	0	0	0	See Section 8 resources. 35 VASH vouchers

Program	Source of Funds	Uses of Funds	Expected Amount Available Year 1				Expected Amount Available Remainder of ConPlan $	Narrative Description
			Annual Allocation: $	Program Income: $	Prior Year Resources: $	Total: $		
Section 8	public - federal	Housing	4,600,000	0	0	4,600,000	0	To provide 35 VASH, 75 NED, 14 Mainstream, and 562 regular vouchers and to provide administration of 686 vouchers

Program	Source of Funds	Uses of Funds	Expected Amount Available Year 1				Expected Amount Available Remainder of ConPlan $	Narrative Description
			Annual Allocation: $	Program Income: $	Prior Year Resources: $	Total: $		
Other	public - federal	Other	417,412	0	0	417,412	417,412	On April 2, 2020, HUD notified the City of Roseville that it would receive $417,412 of this special allocation, referred to as CDBG-CV funding. CDBG-CV funds must be used to prevent, prepare for, or respond to the COVID-19 virus. Amendment #1 to this Consolidated Plan is required for the City to implement CDBG-CV funded activities.

Program	Source of Funds	Uses of Funds	Expected Amount Available Year 1				Expected Amount Available Remainder of ConPlan $	Narrative Description
			Annual Allocation: $	Program Income: $	Prior Year Resources: $	Total: $		
Other	*public - federal*	*Other*	*795,721*	*0*	*0*	*795,721*	*795,721*	*On September 11, 2020, HUD notified the City of Roseville that it would receive $795,721 of this special allocation, referred to as CDBG-CV3 funding. CDBG-CV3 funds must be used to prevent, prepare for, or respond to the COVID-19 virus. Amendment #2 to this Consolidated Plan is required for the City to implement CDBG-CV funded activities.*

Table 5 - Expected Resources – Priority Table

Explain how federal funds will leverage those additional resources (private, state and local funds), including a description of how matching requirements will be satisfied

CDBG and HOME funds are often coupled with local funds, allowing projects to compete for additional funding provided by tax credits, bonds, and state financing programs. An investment by the City makes the projects more competitive in various funding competitions. All sources and types of funds are more limited now due to the current economic climate, along with the demise of statewide redevelopment tax-increment funds and housing set-aside funds. However, as in the past, the City will be as creative as possible to find other sources of funding from local, state, federal, and private sources in order to develop and deliver efficient and cost-effective projects.

If appropriate, describe publically owned land or property located within the jurisdiction that may be used to address the needs identified in the plan

Until recently, the City owned a piece of land that is located in the Historic District at the corner of Washington Boulevard and Main Street, designated for future development with a 15% affordable housing requirement. The City recently transferred ownership of this property to Meta Housing, Inc., affordable housing developer, to build a permanently affordable 65-unit housing project - Main Street Plaza Apartments. This project is underway and should finish in Fall 2020.

Discussion

Annual Goals and Objectives

AP-20 Annual Goals and Objectives

Goals Summary Information

Sort Order	Goal Name	Start Year	End Year	Category	Geographic Area	Needs Addressed	Funding	Goal Outcome Indicator
1	Production of Affordable Rental Housing	2015	2019	Affordable Housing Homeless Non-Homeless Special Needs	None	Affordable Housing	CDBG: $85,500	Rental units constructed: 19 Household Housing Unit
2	Housing and Services to Special Needs Populations	2015	2019	Affordable Housing Homeless Non-Homeless Special Needs Non-Housing Community Development	None	Non-Housing Community Development	CDBG: $97,500	Public service activities for Low/Moderate Income Housing Benefit: 1046 Households Assisted
3	Public Facilities and Improvements	2015	2019	Non-Housing Community Development	None	Non-Housing Community Development	CDBG: $350,500	Public Facility or Infrastructure Activities other than Low/Moderate Income Housing Benefit: 366 Persons Assisted
4	Planning & Administration	2015	2019	Planning & Administration	None		CDBG: $130,382	

Sort Order	Goal Name	Start Year	End Year	Category	Geographic Area	Needs Addressed	Funding	Goal Outcome Indicator
5	Rental Assistance	2015	2019	Affordable Housing Non-Homeless Special Needs	None	Affordable Housing	CDBG: $0 Section 8: $4,600,000	Tenant-based rental assistance / Rapid Rehousing: 686 Households Assisted
6	Economic Development	2015	2019	Non-Housing Community Development		Prevent, Prepare for and Respond to COVID-19	CDBG: $187,069 CDBG-CV: $273,930	Jobs created/retained: 150 Jobs Businesses assisted: 50 Businesses Assisted

Table 6 – Goals Summary

Goal Descriptions

1	**Goal Name**	Production of Affordable Rental Housing
	Goal Description	Increase supply of affordable rental housing for the City's lowest-income households.
2	**Goal Name**	Housing and Services to Special Needs Populations
	Goal Description	Provide housing and services for programs/services for low income residents
3	**Goal Name**	Public Facilities and Improvements
	Goal Description	Funding for Public Facilities and Improvements in qualified low-income census tracts.

4	**Goal Name**	Planning & Administration
	Goal Description	Overall management, administration and oversight of CDBG funds for all programs/projects
5	**Goal Name**	Rental Assistance
	Goal Description	Provide rental assistance through the Housing Choice Voucher Section 8 Rental Assistance Program
6	**Goal Name**	Economic Development
	Goal Description	*Amendment #1 – The COVID-19 pandemic has resulted in massive business closures and layoffs due to State, County and City stay at home orders. Even when the orders are rescinded, City businesses will be fighting the community impacts of COVID-19 for many months to come and unemployment will be a problem, possibly for several years.*

Projects

AP-35 Projects – 91.220(d)

Introduction

As discussed in the previous section, AP-20, the City has identified several goals to address housing and community development needs between Fiscal Years 2015 and 2019. On an annual basis, the City will try to achieve as many of these goals as feasible. Below are the proposed Fiscal Year 2019-2020 projects (also known as programs or activities), along with the contingency provision for the awards.

On April 2, 2020, HUD notified the City of Roseville that it would receive $417,412 of this special allocation, referred to as CDBG-CV funding. CDBG-CV funds must be used to prevent, prepare for, or respond to the COVID-19 virus. Amendment #1 to this Plan (CARES Act Amendment) is required for the City to implement CDBG-CV funded activities.

On September 11, 2020, HUD notified the City of Roseville that it would receive $795,721 of this special allocation, referred to as CDBG-CV3 funding. CDBG-CV3 funds must be used to prevent, prepare for, or respond to the COVID-19 virus. Amendment #2 to this Plan (CARES Act Amendment) is required for the City to implement CDBG-CV funded activities.

Projects

#	Project Name
1	Program Administration (2019-01)
2	AMIH - Solar Project (2019-02)
3	The Gathering Inn - Bathroom Remodel (2019-03)
4	The Lazarus Project - Grove St. Home Construction (2019-04)
5	AMIH - Housing Supportive Services (2019-05)
6	Kids First - Family Mental Wellness (2019-06)
7	Saint Vincent de Paul Society - BAGS Program (2019-07)
8	Seniors First - Meals on Wheels (2019-08)
9	Stand Up Placer - Roseville Victims Services Project (2019-9)
10	The Gathering Inn - Emergency Shelter Services (2019-10)
11	The Gathering Inn - Mental Health Clinician (2019-11)
12	CARES Act Projects

Table 7 - Project Information

Describe the reasons for allocation priorities and any obstacles to addressing underserved needs

AP-38 Project Summary

Project Summary Information

1	**Project Name**	Program Administration (2019-01)
	Target Area	
	Goals Supported	Planning & Administration
	Needs Addressed	
	Funding	CDBG: $130,382
	Description	Planning for and administration of the CDBG program.
	Target Date	6/30/2020
	Estimate the number and type of families that will benefit from the proposed activities	n/a
	Location Description	Citywide
	Planned Activities	§570.206 Program administrative costs. General management, oversight, and coordination of CDBG, HOME (State Administered) projects and programs
2	**Project Name**	AMIH - Solar Project (2019-02)
	Target Area	None
	Goals Supported	Production of Affordable Rental Housing
	Needs Addressed	Affordable Housing
	Funding	CDBG: $85,500
	Description	This project is Phase 2 of the rehabilitation and conversion of Main Street apartments from market rate housing to become permanent supportive housing units. Installation of a solar system for the 19-unit project will increase energy efficiency, reduce the costs of utilities, and maintain affordability for extremely-low income individuals with disabilities for the life of the project.
	Target Date	6/30/2020

	Estimate the number and type of families that will benefit from the proposed activities	
	Location Description	319 Main St, Roseville CA 95678
	Planned Activities	§570.201 (c) Public facilities and improvements §570.208(a) (3) Low/mod housing benefit 14F Rehabilitation: Energy Efficiency Improvements 19 household units Main Street apartments was converted from a market rate 20-unit apartment complex to a 19-unit studio apartment complex with a service office for formerly-homeless individuals with a mental illness. Most residents have a permanent disability and receive their income through SSI or SSDI. This complex will allow them to live independently in their community by providing low income housing for the City of Roseville. As part of Phase 2 of the project rehabilitation and conversion to affordable housing, AMIH is installing a solar system at 319 Main Street to increase energy efficiency, reduce the cost of project and resident utilities, and maintain the complex's affordability and solvency for the future. Installing solar will reduce the utility costs, thus keeping the project budget at projected levels. The solar installation will be Phase 2 of the rehabilitation and conversion of Main Street apartments to become permanent supportive housing units.
3	**Project Name**	The Gathering Inn - Bathroom Remodel (2019-03)
	Target Area	None
	Goals Supported	Public Facilities and Improvements
	Needs Addressed	Homelessness
	Funding	CDBG: $446,528
	Description	Demolition and remodeling of existing bathrooms to expand capacity and comply with ADA and CA title 24 codes. Amendment #1 adds an additional $120,000 to the original allocation of $326,528 for a total award of $446,528 to the project to allow for additional costs related to meeting Americans with Disabilities Act (ADA) requirements.
	Target Date	12/31/2020

	Estimate the number and type of families that will benefit from the proposed activities	360 homeless persons
	Location Description	201 Berkeley Avenue, Roseville, CA 95678
	Planned Activities	§570.201 (c) Public facilities and improvements §570.208 (a) (2) LMC Low/mod limited clientele benefit 03C Homeless Facilities (not operating costs) 01 People The specific project scope would be to completely demolish and remodel the two existing bathrooms that guests use which include showers, toilets and sinks; one for women and one for men. There are currently only 2 shower stalls per restroom - this project would expand capacity and include compliance with ADA & CA Title 24 codes. This project is critical for several reasons, primary among them is the safety of the homeless guests. The bathroom facilities have been used by an average of 60 guests per day, 365 days per year for more than 10 years. This incredibly high level of traffic has taken a toll on their condition.
4	**Project Name**	The Lazarus Project - Grove St. Home Construction (2019-04)
	Target Area	None
	Goals Supported	Public Facilities and Improvements
	Needs Addressed	Non-Housing Community Development
	Funding	CDBG: $25,500
	Description	Home repairs and a new roof and gutters for supportive housing unit.
	Target Date	6/30/2020
	Estimate the number and type of families that will benefit from the proposed activities	Six homeless women with a mental illness
	Location Description	339 Grove Street Roseville, CA 95678

	Planned Activities	§570.201 (c) Public facilities and improvements §570.208 (a) (2) LMC Low/mod limited clientele benefit 03C Homeless Facilities (not operating costs) 01 People The supportive housing unit that houses six homeless women with a mental illness is in need of various repairs, including a new roof and gutters, and other various home repairs. Deterioration of the home will be reversed and be restored to livable condition. The residents will again have a safe, clean, good condition home to live in. Grove Street home neighbors will not complain about the condition of the home that will again fit nicely into the neighborhood. Restoring the deterioration of the home would stop the further rising costs of repairs.
5	**Project Name**	AMIH - Housing Supportive Services (2019-05)
	Target Area	None
	Goals Supported	Housing and Services to Special Needs Populations
	Needs Addressed	Non-Housing Community Development
	Funding	CDBG: $15,000
	Description	AMIH provides transitional and permanent housing for Placer County residents diagnosed with a mental illness.
	Target Date	6/30/2020
	Estimate the number and type of families that will benefit from the proposed activities	25 homeless individuals with a mental illness
	Location Description	1112 William Way, Roseville CA 95678

	Planned Activities	§570.201 (e) Public services §570.208 (a) (2) LMC Low/mod limited clientele benefit 03T Operating Costs of Homeless/AIDS Patients Programs 01 People AMIH provides transitional & permanent housing for homeless Placer County residents diagnosed with a mental illness. AMIH provides over 200 beds each night to a low-income, disabled population who could otherwise be homeless. AMIH's mission is to provide affordable housing & teach residents the independent living skills required to live within their community. This funding will support staff salaries. 1) Case Manager (CM): CM will help individuals apply for mainstream benefits, food stamps, and employment. CM will work with individuals to create a recovery plan, access available Placer County Resources, medication management, medical services, life skills training, & to create a permanent housing plan. Case management will be provided on-site and off-site on an as needed basis. 2) Short Term Rental & Utility Assistance: to house low-income Roseville residents for up to 3 months in our Roseville home called Maureen's House. Short-term rental assistance allows residents to be housed sooner & stabilized quicker; thus lowering hospitalizations & decreasing the strain on community resources. The need for this service was determined by referencing recent homeless surveys including the Roseville Homeless Survey and the 2018 Placer County homeless count. The surveys indicated there are approximately 216 homeless persons in the City of Roseville and 41% of homeless adults have a mental illness. There is a very high need for housing assistance and supportive services so that these individuals may be housed.
6	**Project Name**	Kids First - Family Mental Wellness (2019-06)
	Target Area	None
	Goals Supported	Public Facilities and Improvements
	Needs Addressed	Non-Housing Community Development
	Funding	CDBG: $11,250

	Description	KidsFirst will provide evidence-based therapeutic intervention and comprehensive case management services targeted to low-income Roseville children, adults, and families in either family, couples, or individual therapy.
	Target Date	6/30/2020
	Estimate the number and type of families that will benefit from the proposed activities	6 LMI families in crisis
	Location Description	124 Main Street, Roseville, CA 95678

	Planned Activities	§570.201 (e) Public services §570.208 (a) (2) LMC Low/mod limited clientele benefit 05D Youth Services 01 People KidsFirst's Family Mental Wellness program addresses the community's need to provide quality no-cost therapy and case management services. Therapy and case management allows for families to decrease stressors which reduce the risk of child abuse and neglect as well as other unfavorable family outcomes. Helping the families stabilize, develop social networks and able to navigate to resolve their own issues. This helps families heal, cope and thrive to contribute to a strong, vibrant community. With support from this grant, KidsFirst will provide therapy and case management services to 10 children, adults, couples, and families. Each client will receive an average of 14 weekly therapy sessions which equates to $1,167 per client for both therapy and case management services. For clients needing longer-term treatment, KidsFirst is able to refer families to appropriate external resources and partners or to provide longer-term treatment internally, as appropriate. While engaged in therapy, families receive comprehensive case management services. KidsFirst case managers take on the role of coordinating services from multiple providers, support family-identified goals, and facilitate progress towards self-sufficiency. Case managers help families obtain important resources such as health insurance, CalFresh benefits, housing, career readiness, legal help, etc., thus enabling families to focus on their therapy treatment. Roseville clients leverage funds from other funding sources to be referred internally and take advantage of parenting classes, home visitation, Forever Fathers and engage in peer/support groups, as an example.
7	**Project Name**	Saint Vincent de Paul Society - BAGS Program (2019-07)
	Target Area	None
	Goals Supported	Housing and Services to Special Needs Populations
	Needs Addressed	Non-Housing Community Development
	Funding	CDBG: $15,000

	Description	The BAGS program services low-income elderly and disabled adults in Roseville. The goals of the BAGS project are to increase food security, to prevent hunger, and through collaboration with other community social services programs, to allow frail elderly and handicapped adults to continue to live independently.
	Target Date	6/30/2020
	Estimate the number and type of families that will benefit from the proposed activities	85 elderly and disabled persons
	Location Description	503 Giuseppe Court, Suite 8, Roseville, CA 95678
	Planned Activities	§570.201 (e) Public services §570.208 (a) (2) LMC Low/mod limited clientele benefit 05W Food Banks 01 People The BAGS program serves low-income, homebound, elderly and disabled adults in Roseville. Volunteers deliver groceries to each client monthly. The quantity of groceries delivered is sufficient to prepare a minimum of 9 nutritious meals each month. Saint Vincent initiated this program in 2001 and has been in continuous operation since then. The program helps individuals meet their specific dietary needs by providing appropriate foods from a list prepared by our volunteer nutritionist. The BAGS program serves low income, homebound seniors (age 62 and over) and homebound handicapped persons in the City of Roseville. The goals of the BAGS project are to increase food security, to prevent hunger, and through collaboration with other community social service programs, to allow frail elderly and handicapped adults to continue to live independently.
8	**Project Name**	Seniors First - Meals on Wheels (2019-08)
	Target Area	None
	Goals Supported	Housing and Services to Special Needs Populations
	Needs Addressed	Non-Housing Community Development
	Funding	CDBG: $11,250

	Description	Meals on Wheels will provide frail homebound seniors with daily meals. This funding will impact the number of meals and seniors the program can serve in the City of Roseville.
	Target Date	6/30/2020
	Estimate the number and type of families that will benefit from the proposed activities	70 seniors
	Location Description	Citywide from 12183 Locksley Lane, Suite 205 Auburn, CA 95602
	Planned Activities	§570.201 (e) Public services §570.208 (a) (2) LMC Low/mod limited clientele benefit 05A Senior Services 01 People The purpose of our Senior Nutrition Program is to ensure that no Placer County senior suffers from hunger or the ill effects of poor nutrition. Our Meals on Wheels Program provides access to nutritious meals to seniors 60+ who are homebound and unable to prepare meals or shop for themselves. It also provides daily wellness checks and social interaction each weekday in an effort to increase mental and physical health among homebound or isolated seniors living in Placer County. Daily visits from Meals on Wheels volunteers has been clearly shown to improve the mental and physical health of seniors (Brown University Center for Gerontology & Health Care Research, 2016). Daily, in-home meal deliveries have also been shown to reduce emergency room visits, hospitalization rates, and nursing home usage.
9	**Project Name**	Stand Up Placer - Roseville Victims Services Project (2019-9)
	Target Area	None
	Goals Supported	Housing and Services to Special Needs Populations
	Needs Addressed	Non-Housing Community Development
	Funding	CDBG: $15,000
	Description	The goal of this program is to assess victims' immediate safety and shelter needs and help them to plan their next steps, provide legal and victim advocacy in-person to victims, and provide victims and their minor children with clinical therapy to help process their trauma.

	Target Date	6/30/2020
	Estimate the number and type of families that will benefit from the proposed activities	400 victims of domestic violence
	Location Description	775 Sunrise Ave. Suites 160 & 200, Roseville, CA 95661

	Planned Activities	§570.201 (e) Public services §570.208 (a) (2) LMC Low/mod limited clientele benefit 05G Services for Battered and Abused Spouses 05N Services for Abused and Neglected Children 01 People The Roseville Victims Services Project will provide crisis-based services to Roseville victims of domestic violence, sexual assault, and human trafficking. Our goals are to increase access to services needed for safety and recovery from trauma, and to reduce risk factors and enhance protective factors to enhance recovery and resilience. The objectives of the Roseville Victims' Services Program are as follows: 1) Assess victims' immediate safety and shelter needs and help them to plan their next steps; 2) Provide legal and victim advocacy in-person to victims; and 3) Provide victims and their minor children with clinical therapy to help process their trauma. The program activities that support these objectives include crisis intervention, safety planning, clinical therapy, legal advocacy, victim and social services advocacy, court accompaniment, assistance with temporary restraining orders, support groups, and referrals to the safe house and partner agencies when needed. Bilingual services in Spanish are available at the Roseville office to address the needs of the Roseville monolingual Spanish speaking community. Survivors benefit by improving their safety and living conditions and are better able to live productively by addressing the trauma they have experienced. Their children benefit by having a parent that is better able to address their needs, living in a safer environment, and by receiving direct services to address their adverse childhood experiences. The community benefits by a reduction in violence, reduced police responses to intimate partner violence incidents, and by survivors being able to participate fully within the community.
10	**Project Name**	The Gathering Inn - Emergency Shelter Services (2019-10)
	Target Area	None
	Goals Supported	Housing and Services to Special Needs Populations
	Needs Addressed	Non-Housing Community Development

	Funding	CDBG: $15,000
	Description	The shelter supports emergency overnight shelter serving Roseville's homeless population. The shelter provides on-site services 365 days a year to address the needs of the homeless guests that have been barriers to good health, employment and stable permanent housing. These services include basic needs such as showers, clean clothing, hot meals, and overnight shelter, as well as expanded services including medical and dental care, case management, substance abuse programs, Life Skills classes, and mental health services.
	Target Date	6/30/2020
	Estimate the number and type of families that will benefit from the proposed activities	360 homeless persons
	Location Description	201 Berkeley Avenue, Roseville, CA 95678
	Planned Activities	§570.201 (e) Public services §570.208 (a) (2) LMC Low/mod limited clientele benefit 03T Operating Costs of Homeless/AIDS Patients Programs 01 People This funding will support emergency overnight shelter operations serving the homeless population of Placer County and specifically Roseville. This funding will provide comprehensive on-site services 365 days a year to address the needs of our homeless guests that have been barriers to good health, employment and stable, permanent housing. These services include basic needs such as showers, clean clothing, and overnight shelter, as well as expanded services including medical & dental care, case management, substance abuse programs, life skills classes and mental health services. Our primary goal is to improve our ability to integrate the homeless back into the community and connect our guests with the services they need to end their homeless situation. In conjunction with this goal is our sustained effort to improve and expand our collaboration with other local non-profit service providers, community entities, and funders in order to achieve the best possible outcomes for our homeless guests.
11	**Project Name**	The Gathering Inn - Mental Health Clinician (2019-11)
	Target Area	None

	Goals Supported	Housing and Services to Special Needs Populations
	Needs Addressed	Non-Housing Community Development
	Funding	CDBG: $15,000
	Description	Mental health services for homeless persons.
	Target Date	6/30/2020
	Estimate the number and type of families that will benefit from the proposed activities	100 homeless persons
	Location Description	201 Berkeley Avenue, Roseville, CA 95678
	Planned Activities	§570.201 (e) Public services §570.208 (a) (2) LMC Low/mod limited clientele benefit 03T Operating Costs of Homeless/AIDS Patients Programs 01 People This will partially fund a part-time Mental Health Clinician position. Over the years, we have consistently seen 32%-43% of our guests self-report mental health conditions and these numbers only include self-reported conditions and do not take into account undiagnosed or unreported conditions. Mental health conditions are a primary and ancillary cause of homelessness. By having an on-site Mental Health Clinician available to work consistently with our guests, we have been able to increase our success rate in obtaining permanent housing including permanent supportive housing and treatment. The Mental Health Clinician has been a beneficial addition to the comprehensive on-site services we offer by reducing delays for our guests in medication management, therapeutic appointment scheduling, improving overall health & wellness and assessing & treating guest medical conditions, further reducing emergency room visits.
12	**Project Name**	CARES Act Projects
	Target Area	

	Goals Supported	Housing and Services to Special Needs Populations Public Facilities and Improvements Economic Development Planning & Administration
	Needs Addressed	Homelessness Non-Housing Community Development Prevent, Prepare for and Respond to COVID-19
	Funding	CDBG: $187,069 CDBG-CV: $417,412 *CDBG-CV3: $795,721*
	Description	Amendment 1 - CARES Act Amendment. Activities to prevent the spread of COVID-19 and to assist eligible communities and households economically impacted by COVID-19. *Amendment 2 - CARES Act Amendment. Activities to prevent the spread of COVID-19 and to assist eligible communities and households economically impacted by COVID-19.*
	Target Date	6/30/2021
	Estimate the number and type of families that will benefit from the proposed activities	It is estimated that 150 elderly, homeless or low-income households affected by COVID-19 will be served.
	Location Description	Citywide
	Planned Activities	Emergency assistance to homeless persons required to shelter in place due to the COVID-19 pandemic. Assistance to businesses and microenterprise businesses for the creation and/or retention of jobs available to low-income persons due to the COVID-19 pandemic.

AP-50 Geographic Distribution – 91.220(f)

Description of the geographic areas of the entitlement (including areas of low-income and minority concentration) where assistance will be directed

Some communities have no or very few areas in which 51 percent of the residents are low and moderate income. For these grantees, the CDBG law authorizes an exception criterion in order for such grantees to be able to undertake area benefit activities. Specifically, Section 105(c)(2)(A)(ii) of the Housing and Community Development Act of 1974, as amended, states that an activity shall be considered to principally benefit low and moderate income persons when "the area served by such activity is within the highest quartile of all areas within the jurisdiction of such city or county in terms of the degree of concentration of persons of low and moderate income."

The City of Roseville has been determined to be an “exception grantee” under Section 105(c)(2)(A)(ii).

Section 105(c)(2)(A)(ii) is implemented in the CDBG regulations at 24 CFR 570.208(a)(1)(ii), which identifies the following methodology to calculate a grantee's "exception" threshold: all block groups within the grantee's jurisdiction in which people are residing are rank ordered from the highest percentage of low- and moderate-income persons to lowest. The total number of block groups is divided by four. If the percentage of low- and moderate-income persons in the last block group in the top quartile is less than 51 percent, that percentage becomes the grantee's low- and moderate-income threshold for area benefit activities.

HUD publishes a list of CDBG "exception grantees" and the exception threshold for each on it’s website at https://www.hudexchange.info/programs/acs-low-mod-summary-data/acs-low-mod-summary-data-exception-grantees/. Current thresholds are based on the 2006-2010 American Community Survey (ACS). This percentage represents the minimum percentage of low- and moderate-income persons that must reside in the service area of an area benefit activity for the activity to be assisted with CDBG funds.

The City of Roseville’s exception criteria for FY 2018 is 35.40%. This is unchanged from FY 2017. The City of Roseville will use this LMI threshold to determine where to direct funding in order to address LMI needs in the community.

Geographic Distribution

Target Area	Percentage of Funds
None	

Table 8 - Geographic Distribution

Rationale for the priorities for allocating investments geographically

As stated above, since the City has been identified by HUD as an “exception grantee,” the City will

allocate funds necessary to address its priorities based on the “upper quartile” census tracts.

Discussion

This optional section not used.

Affordable Housing

AP-55 Affordable Housing – 91.220(g)

Introduction

The tables in this section provide estimates on the number of homeless, non-homeless, and special needs households to be provided affordable housing during the program year and the number of affordable units that will be provided by program type, including rental assistance, production of new units, rehabilitation of existing units, or acquisition of existing units.

One Year Goals for the Number of Households to be Supported	
Homeless	14
Non-Homeless	726
Special-Needs	0
Total	740

Table 9 - One Year Goals for Affordable Housing by Support Requirement

One Year Goals for the Number of Households Supported Through	
Rental Assistance	630
The Production of New Units	110
Rehab of Existing Units	5
Acquisition of Existing Units	0
Total	745

Table 10 - One Year Goals for Affordable Housing by Support Type

Discussion

One of the goals identified in the Consolidated Plan and the Action Plan is to increase the supply of affordable rental housing for the city's lowest-income households. In order to achieve this goal, the City will do the following:

- The City will continue to implement its 10% Affordable Housing Goal to assist with reducing the cost associated with affordable housing production. The City's Specific Plan process includes the objective of satisfying the affordable housing goal by providing specific parcels in each Specific Plan Area (SPA) with affordable housing obligations. The cost of parcels with affordable housing obligations is below market rate, and additional savings can be achieved by reducing or removing Mello-Roos bonds.
- The City will look for areas to zone parcels to include housing development with a Minor Design Review Permit, reducing costs and increasing predictability for housing development.
- The City will continue to review its fee system and work towards graduated fees as a means of

reducing costs of housing development.

- The City will continue to review and modify Subdivision Improvement Standards on an annual basis to ensure properly developed and updated standards to help reduce costs associated with development while balancing basic environmental, health, safety, and welfare needs.
- The City will continue to educate its citizens regarding the necessity of providing affordable housing to support job growth. The City will continue to monitor any community opposition to affordable housing projects in an effort to remove negative perceptions. Education efforts will include presentations at City meetings, various service organizations, and community groups, as well as preparation of articles for the local newspaper, City newsletters, and posted on the City's website.

The City will continue to encourage developers to meet with interested parties before the public meetings regarding affordable housing development. Initiating public participation early in the planning process will allow interested parties to have their questions and concerns addressed and avoid unnecessary and costly delays.

AP-60 Public Housing – 91.220(h)

Introduction

The City does not own or operate public housing units. The Roseville Housing Authority (RHA) administers 686 Housing Choice Vouchers, of which approximately 125 are in the City of Rocklin. The 686 includes 35 HUD-VASH (Veterans Affairs Supportive Housing), 75 NED (non-elderly disabled), and 14 Mainstream vouchers. The RHA has a current waiting list that opened in FY 17/18.

While the City does not provide public housing units, the units created with the funds allocated to affordable housing often include social services that are coordinated with organizations providing services throughout Placer County.

Actions planned during the next year to address the needs to public housing

The City of Roseville Housing Division provides homeownership resources to families in low-income areas in cooperation with the City's resources. The Family Self-Sufficiency (FSS) Program has established partnerships with a variety of community resources to refer participants for services including pre- and post-secondary education, health care, child care, employment development, supported employment, and small business development including micro-loans. The FSS program also encourages families to participate in financial wellness programs including financial literacy and credit repair with an emphasis on long-term independent financial stability.

Actions to encourage public housing residents to become more involved in management and participate in homeownership

The City does not own or operate any public housing.

If the PHA is designated as troubled, describe the manner in which financial assistance will be provided or other assistance

The Roseville Housing Authority has been designated as a high performer for the last fourteen years.

Discussion

This optional section not used.

AP-65 Homeless and Other Special Needs Activities – 91.220(i)

Introduction

As discussed in the Plan, the City participates in the Homeless Resource Council of the Sierras (HRCS) [Nevada-Placer Continuum of Care, N-P CoC)] and the Placer Consortium on Homelessness (PCOH) to develop and implement the 10-Year Homeless Action Plan. The CoC's 10-Year Homeless Action Plan and its annual submissions to HUD reflect the demographics, needs and available shelter, housing, and services in order to provide a cohesive homeless services system throughout the county. The goals and strategies outlined below are those of the entire region rather than for the City alone and are based on the five-year goals discussed in greater detail in the Plan (SP-60 Homelessness Strategy). Homeless and other special needs activities to be undertaken directly by the City are noted in the discussion section below.

Describe the jurisdictions one-year goals and actions for reducing and ending homelessness including

Reaching out to homeless persons (especially unsheltered persons) and assessing their individual needs

- City staff has supported and participates in HRCS' implementation of coordinated entry for all households who are entering the homeless system or are at risk for homelessness. City staff is the chair of the Outcomes and Measurements Committee tasked with improving Coordinated Entry efficiency and management of the By Name list.
- Reach out to homeless households (especially unsheltered persons) and assess their individual needs with coordinated entry and a common assessment tool; collect information to determine the underlying issues and risk factors and develop a plan to address those issues.
- Reduce recidivism through system-wide implementation of evidenced-based practices known to effectively address trauma and address cycles into homelessness.
- Address the emergency shelter needs of people living outside through increased street outreach and assessment of their health needs.
- The City has implemented a homeless prevention and rapid rehousing program through local grants to non-profit agencies who utilize the funding for this need.
- The City has supported low and no-barrier approaches to housing and has implemented outcome-based reporting that uses measurements to assess appropriate use of funds and program success.

Addressing the emergency shelter and transitional housing needs of homeless persons

Short-term strategies include but are not limited to the following:

- Expanding street outreach efforts to prioritize the needs of persons living outside, especially

those whose health is compromised. These efforts are being extended through the Social Services Unit of the Police Department and the County's Whole Person Care program.

- Sustaining existing emergency shelter inventory and helping those in shelter exit to permanent housing through rental assistance and case management addressing specific barriers to obtaining and retaining housing. Through the Placer County Housing Coordinators, Roseville Housing vouchers, and the Whole Person Care staff noted above, more individuals are existing to permanent housing options.
- Expanding economic opportunities to help participants achieve long-term housing stability by coordinating services with local employment training agencies and banks to offer budgeting and financial literacy workshops. Salvation Army Roseville is implementing a financial literacy program and both local emergency shelters in Placer now offer a Ready to Rent program. Additionally, local employers are reaching out with new opportunities, including a range of jobs with required skill-level and opportunities for training.

Helping homeless persons (especially chronically homeless individuals and families, families with children, veterans and their families, and unaccompanied youth) make the transition to permanent housing and independent living, including shortening the period of time that individuals and families experience homelessness, facilitating access for homeless individuals and families to affordable housing units, and preventing individuals and families who were recently homeless from becoming homeless again

Emergency Solutions Grants and CoC interim regulations encourage providing homeless households with housing quickly, and only availing supportive services to households that are of greatest need to support stable housing. Other needs the household may have should be addressed through existing mainstream resources available in the community. This reflects a new emphasis on both homeless prevention and rapid rehousing. The CoC's Performance Measurement and Goals, including national benchmarks, achievements, and annual and five-year goals, are discussed in greater detail in SP-60.

The performance measures are listed below.

- Shorten the average length of stay in emergency shelters and transitional housing for households exiting to permanent housing. This is occurring through local homeless prevention and rapid rehousing programs.
- Increase the percentage of households exiting emergency shelters and transitional housing to permanent housing. This is occurring through local homeless prevention and rapid rehousing programs.
- Reduce the number of households re-entering the homeless system after exiting to permanent housing. Additional support is provided through a variety of County case management systems, and work is being done to assess cycles into homelessness and reduce occurrences of individuals and families cycling in and out of homelessness.
- Increase the percentage of permanent supportive housing participants achieving housing

stability. The City of Roseville is working on the development of permanent supportive housing units and group care homes, and partnering with the County of Placer on their efforts.

- Increase the percentage of participants exiting with employment income. Staff is working within the CoC and Rating and Ranking Committee to promote increases to the percentage of participants who exit with income from sources other than employment.
- Increase the percentage of participants exiting with non-cash mainstream benefits. Staff is working within the CoC and Rating and Ranking Committee to promote increases to the percentage of participants who exit with income from sources other than employment.

Helping low-income individuals and families avoid becoming homeless, especially extremely low-income individuals and families and those who are: being discharged from publicly funded institutions and systems of care (such as health care facilities, mental health facilities, foster care and other youth facilities, and corrections programs and institutions); or, receiving assistance from public or private agencies that address housing, health, social services, employment, education, or youth needs.

Foster Care

In the region, Nevada County and Placer County and their Offices of Education are the primary agencies responsible for foster youth services. They are active CoC members and have taken the lead in developing, implementing, and improving transition planning for foster youth. Their efforts have included: creating Special Multi-Agency Resource Teams in the development of system advocacy to address the needs of individual youth; providing foster youth services to ensure youth have the education, skills, and opportunity to obtain further education and employment; providing referrals to the independent living skills programs; and referring transition-age youth to mental health programs to assist those moving from the children's system of care to adult services. Exiting youth routinely go to market-rate housing (typically shared housing with other young people), Transitional Housing Plus Program Placement, Sierra College dormitories, and extended foster care (allows aging out foster youth to stay in the program through age 21).

Health Care

Placer County and the Sutter and Kaiser Health systems fund an Interim Care Project (ICP) for homeless people being discharged from the Auburn or Roseville hospitals. Homeless people can recuperate in the ICP house, recently expanded through Whole Person Care and managed by The Gathering Inn. Case management is provided so that permanent housing can be obtained by the time the person is medically able to leave. Also, Wellspace and Sutter Medical provide the T3 (Triage, Transport, Treat) program to provide wrap-around community services addressing the needs of frequent users of emergency rooms. The T3 program has developed a housing program. Both Whole Person Care and Adult Systems of Care have hired homeless outreach coordinators with County program funds, including Mental Health Services Act (MHSA) Prevention and Early Intervention funds. The coordinators work

closely with mental health services, hospitals and care centers to advocate for services for these clients. Local health care providers are also working with local service providers to decrease instances of discharging individuals back into homelessness.

Discussion

Mental Health

Both counties have a full range of housing options for persons coming from institutions. These are not funded by HEARTH Act. Both counties have created more housing for homeless people using MHSA funds. Both Nevada County and Placer County serve persons diagnosed with chronic and persistent mental illness who are functionally impaired due to mental illness. The CoC goes from extremely restrictive and intensive services at locked facilities and hospitals to independent living in the community. Additional care and support are provided at transition times, especially during discharge from any facility. The Adult System of Care (ASOC) Adult Reintegration Team or Turning Point staff interviews persons prior to discharge from residential institutions; steps are taken to ensure the person will have the means to support their housing upon discharge. A forensics supervisor works with people in state hospitals to coordinate the release of mentally disordered offenders and those in the conditional release program. Additionally, Advocates for Mentally Ill Housing (AMIH) works to provide a range of housing options for individuals with mental illness, including transitional, permanent supportive housing, and peer support housing options.

Corrections

State: AB 109 shifted some criminal justice responsibilities from the state prisons and parole board to local county officials and superior courts.

Local: Each county has developed its own Realignment Plan. CoC members in each county participated in AB 109 planning. They have advocated for funds to provide housing so that inmates do not become homeless upon release. They have also educated the other providers that HUD-funded housing should not be used except for those inmates who were homeless before they were incarcerated. ASOC stations a social worker in the jail to identify and assist those with mental illness during incarceration and upon release. Through the “Stepping Up” Initiative, measures have been taken to reduce incarceration and cycles of incarceration for individuals with mental illness. A protocol has been developed to reduce inmates discharged into homelessness. The County Jail, California Forensic Medical Group, ASOC, Sierra Foothills AIDS Foundation (SFAF), and other providers meet quarterly to improve the protocol. There is someone on call 24/7 to take immediate action when someone is being released from the jail and needs placement in the community. SFAF can provide motel vouchers.

AP-75 Barriers to affordable housing – 91.220(j)

Introduction:

Potential constraints to housing development in Roseville vary by area, but generally may include infrastructure, residential development fees, land use controls, development standards, development and building permit application processing times, and resource preservation.

Actions it planned to remove or ameliorate the negative effects of public policies that serve as barriers to affordable housing such as land use controls, tax policies affecting land, zoning ordinances, building codes, fees and charges, growth limitations, and policies affecting the return on residential investment

An analysis of some of these potential constraints is detailed in the Roseville Housing Element. Following is a summary of some potential constraints.

Development Process: To expedite project facilitation and provide internal support to project applicants, the City established the Economic Development Advisory Committee to function as a liaison building relationships between the City and the development community, providing input into delivery of development services, cost of services, construction standards, development impact fees, and other development service policy areas.

Fee Structure: The City will continue to review its fee system and work toward graduated fees as a means of reducing the cost of housing development. The City's Development Services Department will work with the Economic Development Advisory Committee. The City recognizes that fees can affect the cost of construction and of affordable housing in the community.

Subdivision Improvement Standards and Zoning Ordinance: The City will review and modify its Subdivision Improvement Standards, where reasonable, to provide cost savings in the development of residential units while continuing to ensure the public health, safety, and welfare.

Affordable Housing: The City will assign priority to educating the citizens of Roseville regarding the importance of providing affordable housing to support job growth. This will be done through public education, public participation, and fair housing information.

Rental Housing: The City will analyze implementation of a Mortgage Revenue Bond Program for both owner-occupied and rental properties.

Land Costs, Construction, and Financing: Land, construction, and financing costs represent a significant constraint to residential development; developers of affordable housing face challenges in securing financing. Due to the limited possible return from rents or sales prices of affordable units, many private lenders are concerned with the financial returns for these types of projects; as a result, additional

financing and subsidy from state and federal funding sources for affordable projects are necessary.

Non-Governmental Constraints: Housing purchase prices, financing costs, cost of land and improvements, construction costs, property taxes, profit, and rent rates continue to be the biggest constraints to housing access for households with low and moderate incomes.

Discussion:

This optional section not used.

AP-85 Other Actions – 91.220(k)

Introduction:

One of the primary obstacles to meeting underserved needs of residents is the availability of funding. Changes to tax credit scoring and the limited amount of state housing funds, coupled with the loss of Redevelopment Low and Moderate Income Housing funds as a result of the dissolution of statewide redevelopment agencies, have impacted the City's ability to implement its goals. While the City actively seeks additional funding opportunities and will continue to do so, its ability to address underserved needs depends largely on the availability of additional resources.

Actions planned to address obstacles to meeting underserved needs

As stated throughout the Plan, housing is considered a high priority. Accordingly, the City prioritizes the use of any CDBG and HOME funding it receives for the development of affordable housing (including preservation and conservation) that serves low-income households and works to address homelessness.

Actions planned to foster and maintain affordable housing

As stated throughout the Plan, housing is considered a high priority. Accordingly, the City prioritizes the use of any CDBG and HOME funding it receives for the development of affordable housing (including preservation and conservation) that serves low-income households and works to address homelessness.

Actions planned to reduce lead-based paint hazards

The State of California requires that construction activities involving lead-based paint must be performed in a manner that eliminates existing lead hazards and avoids creating new lead poisoning hazards for children and other occupants, as well as for the workers themselves. The State's website provides information on certified inspectors/assessors, project monitors, supervisors, and workers that can be used in lead-based paint abatement.

The County of Placer has implemented the Childhood Lead Poisoning Prevention program (CLPP), funded through the California Department of Public Health, which employs a team of health professionals who provide services to parents, healthcare providers, and the general public. The team is comprised of registered environmental specialists, public health nurses, and health educators. The CLPP program provides services in two major ways: (1) case management and source identification for lead poisoned children; and 2) outreach and education to the community and targeted groups.

The City has addressed the issue of lead-based paint hazards by providing notices to landlords and tenants who participate in the Housing Choice Voucher Program, borrowers/occupants of the City's Owner-Occupied Housing Rehabilitation Loan Program, and homebuyers who use HOME and CDBG funds, warning them of the hazards of lead-based paint. Additionally, all units that are rehabilitated with

CDBG and HOME funds are subject to lead-based paint compliance requirements. Through the creation of new affordable housing units, low-income households are able to reside in new housing units that are free of lead-based paint hazards.

Actions planned to reduce the number of poverty-level families

The City hopes to reduce the number of poverty-level individuals and families by targeting CDBG, HOME, and/or other funds to projects that will provide affordable housing units and related services to foster self-sufficiency. The City does not have the resources or the capacity to increase the incomes of poverty-level persons; however, the City does act to reduce the housing costs for these individuals with the Housing Choice Voucher Program, CDBG, and City-sponsored affordable housing units, all of which serve low-income residents.

Actions planned to develop institutional structure

CDBG and HOME funds received by the City are administered by the Housing Division, the City office responsible for administering affordable housing programs and Public Services.

The City has overcome gaps in its institutional structures by directing the Housing Division to provide policy guidance and administer the City's various housing programs.

The City relies on private, nonprofit organizations as well as for-profit developers to build new affordable units and to rehabilitate existing housing units. City staff will continue to work closely with these entities to ensure that as many new affordable units are produced as possible each year. The City also relies on the nonprofit service sector to provide emergency shelter, transitional and special needs housing, and services to the homeless population. The City will continue to support these organizations and their activities to the fullest extent possible.

Actions planned to enhance coordination between public and private housing and social service agencies

The City relies on private nonprofit organizations and for-profit developers to build and acquire, develop, and rehabilitate affordable units. The Roseville Housing Authority and the City will continue to work closely with these entities to ensure that each year as many new affordable units are produced as possible.

The City also relies on the nonprofit service sector to provide emergency shelter and transitional and special needs housing. The City will continue to support these organizations and their activities.

Discussion:

This optional section not used.

Program Specific Requirements

AP-90 Program Specific Requirements – 91.220(l)(1,2,4)

Introduction:

The City has six goals to address housing and community development needs for Program Year 2019:

- Increase supply of affordable rental housing for the City's lowest income households.
- Preserve existing affordable housing stock.
- Provide housing and services to special needs populations.
- Increase access to homeownership opportunities for City residents.
- Provide funding for public facilities and improvements.
- Promote economic development activities in the City.

Community Development Block Grant Program (CDBG)
Reference 24 CFR 91.220(l)(1)

Projects planned with all CDBG funds expected to be available during the year are identified in the Projects Table. The following identifies program income that is available for use that is included in projects to be carried out.

1. The total amount of program income that will have been received before the start of the next program year and that has not yet been reprogrammed	0
2. The amount of proceeds from section 108 loan guarantees that will be used during the year to address the priority needs and specific objectives identified in the grantee's strategic plan.	0
3. The amount of surplus funds from urban renewal settlements	0
4. The amount of any grant funds returned to the line of credit for which the planned use has not been included in a prior statement or plan	0
5. The amount of income from float-funded activities	0
Total Program Income:	**0**

Other CDBG Requirements

1. The amount of urgent need activities	0
2. The estimated percentage of CDBG funds that will be used for activities that benefit persons of low and moderate income.Overall Benefit - A consecutive period of one, two or three years may be used to determine that a minimum overall benefit of 70% of CDBG funds is used to benefit persons of low and moderate income. Specify the years covered that include this Annual Action Plan.	100.00%

This percentage applies to this year's 2019-20 Annual Action Plan. All of the proposed activities for the 2019-20 cycle are estimated to assist persons of low and moderate income.

ORDINANCE NO. 6328

ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE FISCAL YEAR 2020-21 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN APPROPRIATION MEASURE

THE CITY OF ROSEVILLE ORDAINS:

SECTION 1. The City of Roseville Annual Budget, Fiscal Year 2020-21, is hereby amended as listed on the attached budget adjustment for CARES Act funding.

SECTION 2. This ordinance is hereby declared to be an appropriation measure, immediately effective pursuant to the provisions of Section 5.03 of the Charter.

SECTION 3. The City Clerk is hereby authorized and directed to post a true copy of the foregoing ordinance in each of three (3) conspicuous locations in the City and she shall immediately after such posting enter in the ordinance book, under the record of the ordinance, a certificate under her hand stating the time and place of such publication by posting.

PASSED AND ADOPTED by the Council of the City of Roseville, this _____ day of _____, 2021, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk

CITY OF ROSEVILLE CALIFORNIA

REQUEST FOR BUDGET ADJUSTMENT

REQUESTER NAME & TITLE: Kristine Faetz, Housing Analyst II
FISCAL YEAR: FY2020-21

PREPARER NAME & TITLE: Melissa Hagan, Management Analyst II
COUNCIL DATE (if applicable): 02/03/21

DEPARTMENT/DIVISION: Economic Development - Housing
ORDINANCE:

EXPENDITURES/EXPENSES/TRANSFERS OUT

ACCOUNT STRING				BUDGET ($)	DESCRIPTION
Fund	Account	Center	Project	Adjustment	
2201	5570	54011		414,000	Grants and Public Services for COVID-19 mitigation
2201	5301	54011		15,400	Consulting Services for CV-3
2201	5385	54011		2,000	Software services for competive grants
2201	5001	54011		6,210	General Administrative costs - CDBG-CARES ACT CV-3 COVID-19 Response
1001	5001	54011		(6,210)	Reduce labor budget - General Administrative costs CDBG-CARES ACT CV-3 COVID-19 Response
			TOTAL	431,400	

REVENUES/TRANSFERS IN

ACCOUNT STRING				BUDGET ($)	DESCRIPTION
Fund	Account	Center	Project	Adjustment	
2201	4401	54011		437,610	CDBG-CARES ACT CV-3 COVID-19 Response
			TOTAL	437,610	

NET ADJUSTMENT	(6,210)	

FUND BALANCE

ACCOUNT STRING				BUDGET ($)	DESCRIPTION
Fund	Account	Center	Project	Adjustment	
1001				6,210	Increase available resources in the General Fund
			TOTAL	6,210	

Justification for Budget Adjustment:

The attached budget adjustment amends the FY2020-21 budget in the amount of $437,610 for the CARES Act award intended to mitigate effects of COVID-19. The award is based on the Office of Community Planning and Development's (CPD) formula allocations. The funds will be used for: grants and public services for COVID-19 mitigation, consulting services, software services for the competitive grant process, internal personnel costs to administer the program, and general administrative costs. All activities associated with this award will be tracked using the Function #39810 and the balance from the original award will be budgeted in the next fiscal year.

REQUIRED APPROVALS:

Laura Matteoli 1/20/2021
REQUESTING DEPARTMENT HEAD / DESIGNEE — DATE

BUDGET MANAGER / DESIGNEE — DATE

CHIEF FINANCIAL OFFICER / DESIGNEE — DATE

CITY MANAGER / DESIGNEE — DATE

BUDGET DEPARTMENT USE ONLY:

POSTED BY — DATE

Revised: June 24, 2019

1/21/20217:52 AM

COUNCIL COMMUNICATION

CC #: 1244
File #: 0400-04-12 & 0400-04-12-02 & 0400-03 & 0400-04

Title:	Sierra Vista Specific Plan Parcel JM-40 - General Plan Amendment, Specific Plan Amendment, Rezone, and Development Agreement Amendments
Contact:	Kinarik Shallow 916-746-1309 kshallow@roseville.ca.us

Meeting Date: 2/3/2021
Item #: 9.2.

RECOMMENDATION TO COUNCIL

At the December 10, 2020 Planning Commission meeting, the Planning Commission recommended the City Council take the following actions on the project:

A. Consider the 3rd Addendum to the Sierra Vista Specific Plan Environmental Impact Report (EIR);
B. Adopt a resolution approving land use map amendments to the General Plan;
C. Adopt a resolution approving text and land use amendments to the Sierra Vista Specific Plan;
D. Adopt the two (2) findings of fact and introduce for first reading an ordinance approving the Rezone;
E. Adopt the five (5) findings of fact and introduce for first reading an ordinance approving the Second Amendment of the Mourier & Bagley Development Agreement relative to the Sierra Vista Specific Plan; and
F. Adopt the five (5) findings of fact and introduce for first reading an ordinance approving the Second Amendment of the Mourier & Computer Deductions Development Agreement relative to the Sierra Vista Specific Plan.

BACKGROUND

This Council Communication provides a summary evaluation of the project and a summary of the December 10, 2020 Planning Commission hearing. A more detailed background and evaluation is provided in the Planning Commission staff report, included as Attachment 1.

Background/Project Description

The 5.65-acre project site is located on Parcel JM-40 within the Sierra Vista Specific Plan (SVSP), at the northeast corner of Market Street and Vista Grande Boulevard. The site is currently undeveloped and has a zoning designation of Commercial Mixed Use/Special Area (CMU/SA) and a land use designation of Community Commercial/Commercial Mixed Use (CC/CMU). The SVSP identifies Parcel JM-40 and the undeveloped Parcel FD-41 to the west (across Market Street) as part of the “Village Node District”. The Village Node District was

intended to support a mixture of commercial and high-density residential uses. Given this, Parcel JM-40 is currently allocated 40 residential units based on a density of 7 units per acre and was anticipated for approximately 60,000 square feet of commercial/office uses. The site is adjacent to single-family residential subdivisions to the north and east that are currently under construction, an undeveloped CMU parcel (FD-41) to the west across Market St., and an undeveloped Medium Density Residential parcel to the south across Vista Grande Blvd.

The proposed project will allow the construction of a 35-unit single-family residential subdivision on Parcel JM-40. The project includes a General Plan Amendment (GPA) and Specific Plan Amendment (SPA) to amend the land use designation of Parcel JM-40 from CC/CMU to Medium Density Residential (MDR), and a Rezone to change the zoning designation from CMU/SA to Small Lot Residential with Modified Development Standards (RS/DS). The SPA also includes the transfer of five (5) units from Parcel JM-40 to SVSP Parcel JM-30. Lastly, the project includes the second amendment of two Development Agreements (DAs) that cover the subject parcels to reflect the proposed land use change and unit transfers, to update affordable housing unit allocations, and to revise development obligations related to water facilities.

Associated with this request was a Tentative Subdivision Map and a Design Review Permit for a Residential Subdivision, which the Planning Commission unanimously approved at their December 10, 2020 meeting. Further discussion and exhibits for these entitlements are included in the Planning Commission staff report (Attachment 1).

Summary Evaluation

As detailed in pages 4-5 of the attached Planning Commission staff report, the proposed land use amendment from CC/CMU to MDR is consistent with the goals and policies of the General Plan and the SVSP, and with the City's adopted Guidelines for Conversion of Non-Residential Land Uses (included as Attachment 2). In addition, the General Plan identifies the proposed RS/DS zone as an implementing zone for the MDR land use, which is intended for small-lot single-family detached dwelling units with a density of 7.0 to 12.9 dwelling units per gross developable acre. The proposed project is a 35-unit detached single-family subdivision with a density of 7.6 units per gross developable acre, which is consistent with the MDR land use designation and is compatible with the surrounding uses.

As evaluated and discussed in the Planning Commission staff report and Addendum to the SVSP Environmental Impact Report (included as Exhibit A), there are no impacts to traffic or utilities resulting from the proposed land use amendment and rezone.

The SPA includes a transfer of five (5) units from Parcel JM-40 to Parcel JM-30. The General Plan Land Use map and SVSP document will be updated to reflect the land use changes and unit transfers (see Exhibits B—E). Parcel JM-30 is an undeveloped High Density Residential (HDR) parcel designated as an affordable housing site in the SVSP, with a current unit allocation of 171 units (146 affordable). With the unit transfer, the resulting unit allocation for JM-30 will be 176 units and the resulting unit allocation for JM-40 will be 35 units. The applicant is proposing to designate all 176 units on Parcel JM-30 as affordable units (88 Very Low and 88 Low). The unit transfer does not change the HDR land use designation of JM-30 nor does it change the overall number of residential units anticipated for the SVSP. The City's Housing Division reviewed the project and determined the proposed affordable unit transfer is acceptable and is consistent with City policy, and that no affordable units are required for Parcel JM-40. Table 5-3 of the SVSP, which identifies the affordable housing allocation by parcel, will be updated to reflect the proposed transfer (included with Exhibit E).

The project includes the amendment of two Development Agreements (DAs) within the SVSP that cover the affected parcels: 1.) Mourier & Bagley (Exhibit G) and 2.) Mourier & Computer Deductions (Exhibit H). The DAs will be amended to reflect the proposed unit transfers and land use change. Both amendments include updates to the parties' obligations with respect to groundwater production wells and recycled water facilities, and updates to the parties' evaluation of

water conservation goals. The Mourier & Computer Deductions DA, which covers Parcel JM-30, will be further amended to reflect the updated affordable housing allocation of 176 units. The DA amendments do not amend any previous development obligations and are consistent with the City's General Plan and Zoning Ordinance.

Summary of Planning Commission Meeting

The project was heard by the City's Planning Commission on December 10, 2020. The applicant addressed the Commission, spoke in favor of the project, and requested approval by the Commission. Commission discussion was in support of the proposed entitlements. The Planning Commission considered the 3rd Addendum to the SVSP Environmental Impact Report (EIR), voted to approve the Tentative Subdivision Map and Design Review Permit for Residential Subdivision, and recommended the City Council approve the General Plan Amendment, Specific Plan Amendment, Rezone and Development Agreement Amendments, with a vote of 7 aye, 0 nay, 0 absent.

FISCAL IMPACT

Consistent with the City's adopted Non-Residential Conversion Guidelines, the project was modeled utilizing the City's fiscal impact model to ensure the project, with the proposed land use change, will not have a negative fiscal impact on the City's General Fund. The Fiscal Impact Analysis (FIA) is included as Attachment 3. The FIA concluded that the project, with the proposed land use change, will result in a net positive fiscal impact to the City. Although the proposed land use change will reduce the sales tax revenue due to the reduction in commercial land uses, the project mitigates this with the tax revenue generated by Community Facilities District (CFD) No. 3, which will offset the costs of the project and will not negatively affect the General Fund. Given Parcel JM-40 has an existing housing allocation of 40 units and the entitlements associated with this project do not increase the overall number of units within the SVSP, an additional Community Benefit fee is not warranted with this project.

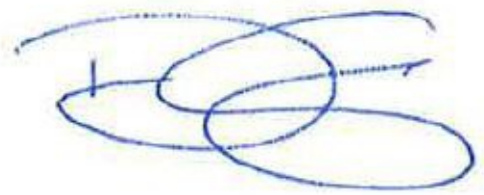
ENVIRONMENTAL REVIEW

Consistent with CEQA Guidelines Section 15164, regarding previously certified and adopted Environmental Impact Reports (EIR), an Addendum to the Sierra Vista Specific Plan EIR (SCH #2008032115, certified May 5, 2010) has been prepared to cover the minor technical changes and additions necessary to describe the impacts of the proposed project (see Exhibit A). The Addendum did not identify any new environmental impacts from the project.

Respectfully Submitted,

Kinarik Shallow, Associate Planner

Mike Isom, Development Services Director



Dominick Casey, City Manager

ATTACHMENTS:

Description

Attachment 1 December 10, 2020 Planning Commission Staff Report and Attachments

Attachment 2 Guidelines for Conversion of Non-Residential Land Use

Attachment 3 Fiscal Impact Analysis

Attachment 4 Conditions of Approval

Exhibit A Third Addendum to the Sierra Vista Specific Plan EIR

Resolution 21-033

Exhibit B General Plan Amendment Exhibit

Exhibit C General Plan Land Use Map Amendment

Resolution 21-034

Exhibit D SVSP Amendment Exhibit

Exhibit E SVSP Change Pages

Rezone Ordinance

Exhibit F Rezone Exhibit

Mourier & Bagley DAA Ordinance

Exhibit G Second Amendment of the Mourier & Bagley DA

Mourier & Computer Deductions DAA Ordinance

Exhibit H Second Amendment of the Mourier & Computer Deductions DA

CITY OF ROSEVILLE CALIFORNIA

PLANNING DIVISION STAFF REPORT
PLANNING COMMISSION MEETING December 10, 2020

Prepared by: Kinarik Shallow, Associate Planner

ITEM 6.2: **General Plan Amendment, Specific Plan Amendment, Rezone, Development Agreement Amendments, Tentative Subdivision Map, and Design Review for Residential Subdivision – 1690 Vista Grande Boulevard – SVSP PCL JM-40 – Sierra Vista JM-40 Subdivision – File # PL20-0103**

REQUEST

The applicant requests approval of a General Plan Amendment, Specific Plan Amendment and Rezone to change the land use and zoning designation of Parcel JM-40 in the Sierra Vista Specific Plan (SVSP) area to facilitate construction of a 35-unit single-family residential subdivision. The land use designation for Parcel JM-40 will be modified from Community Commercial/Commercial Mixed Use (CC/CMU) to Medium Density Residential (MDR), and the zoning designation will be modified from Commercial Mixed Use/Special Area (CMU/SA) to Small Lot Residential/Development Standards (RS/DS). The Specific Plan Amendment will allow the transfer of five (5) units from Parcel JM-40 to Parcel JM-30. A Tentative Subdivision Map is requested for Parcel JM-40 to create 35 single-family residential lots and one landscape lot, and a Design Review for Residential Subdivision is requested to establish unit designs for the homes and allow modified development standards. Lastly, the project includes a request to amend two Development Agreements that cover the subject parcels to reflect the unit transfers and revise development obligations related to water facilities.

Applicant – David Cobbs, Baker Williams Engineering Group
Property Owner – Steve Schnable, Mourier Investments LLC

SUMMARY RECOMMENDATION

The Planning Division recommends that the Planning Commission take the following actions:

A. Consider the 3rd Addendum to the Sierra Vista Specific Plan Environmental Impact Report (EIR);
B. Recommend the City Council approve the General Plan Amendment (Land Use Map);
C. Recommend the City Council approve the Specific Plan Amendment (Text and Land Use Map);
D. Recommend the City Council adopt the two (2) findings of fact and approve the Rezone;
E. Recommend the City Council approve the Second Amendment of the Mourier & Bagley Development Agreement;
F. Recommend the City Council approve the Second Amendment of the Mourier & Computer Deductions Development Agreement;
G. Adopt the three (3) findings of fact and approve the Tentative Subdivision Map subject to sixty-two (62) conditions of approval; and
H. Adopt the two (2) findings of fact and approve the Design Review for Residential Subdivision subject to twenty-five (25) conditions of approval.

SUMMARY OF OUTSTANDING ISSUES

There are no outstanding issues associated with this request.

BACKGROUND

The 5.65-acre project site is located on Parcel JM-40 within the Sierra Vista Specific Plan (SVSP), at the northeast corner of Market Street and Vista Grande Boulevard (see Figure 1). The SVSP was adopted on May 5, 2010 and includes 2,064 acres west of Fiddyment Road, north of Baseline Road. An Environmental Impact Report (EIR) was certified and a Mitigation Monitoring Program was adopted with the SVSP. Additionally, Development Agreements with the property owners of the SVSP parcels and the City were entered into to outline development obligations within the SVSP.

Parcel JM-40 is currently undeveloped and has a zoning designation of Commercial Mixed Use/Special Area (CMU/SA) and a General Plan land use designation of Community Commercial (CC-7). The SVSP identifies Parcel JM-40 and the undeveloped Parcel FD-41 to the west (across Market Street) as part of the "Village Node District". The Village Node District is intended to support a mixture of commercial and high-density residential uses. As such, the Specific Plan land use designation of the site is Community Commercial/Commercial Mixed Use (CC/CMU). Parcel JM-40 is currently allocated 40 residential units based on a density of 7 units per acre and was anticipated for approximately 60,000 square feet of commercial/office uses.

Figure 1: Project Location (Parcel JM-40)



PROJECT DESCRIPTION

The proposed project will allow the construction of a 35-unit single-family residential subdivision on Parcel JM-40 and includes the following entitlements:

General Plan Amendment (GPA) – The project includes a GPA to amend the land use designation of Parcel JM-40 from Community Commercial (CC-7) to Medium Density Residential (MDR-7.6). The proposed changes will add MDR acreage and decrease CC acreage, but will not change the overall number of residential units designated for the project area or extend beyond the development area of the SVSP. Exhibit A includes the land use amendment plan and Exhibit B includes the proposed amended General Plan land use map.

Specific Plan Amendment (SPA) – The SVSP designates Parcel JM-40 as a Commercial Mixed Use (CC/CMU) parcel. The project includes an Amendment to the SVSP, which includes land use changes consistent with those described in the General Plan Amendment. In addition, the project includes a transfer of five (5) units from Parcel JM-40 to SVSP Parcel JM-30. Parcel JM-30 is a High Density Residential (HDR) parcel with a density of 21 units per acre and is designated as an affordable housing site in the SVSP. The location of JM-30 is identified in Figure 1. With the unit transfer, JM-30 will have a new allocation of 164 units and JM-40 will have a new allocation of 35 units. The unit transfer does not change the HDR land use designation of JM-30 nor does it change the overall number of residential units anticipated for the SVSP. The SPA includes changes to the text, tables, and figures to reflect the land use changes and unit transfers. Exhibit C includes the Specific Plan land use amendment plan and Exhibit D includes the SVSP change pages.

An Administrative Permit for a Unit Transfer is currently being processed separately under file #PL20-0191, which will transfer an additional 12 units to Parcel JM-30 from SVSP Parcel JM-21. With approval of the unit transfers, the total allocation for Parcel JM-30 will be 176 units. All 176 units will be designated as affordable; Table 5-3 of the SVSP Affordable Housing Plan will be amended to reflect this (included with Exhibit D).

Rezone – The project includes a Rezone to change the zoning designation of Parcel JM-40 from Commercial Mixed Use/Special Area (CMU/SA) to Small Lot Residential with Modified Development Standards (RS/DS). The RS/DS zoning designation is consistent with the proposed MDR land use, and will facilitate development of the proposed residential subdivision. The Rezone exhibit is included as Exhibit E.

Development Agreement (DA) Amendments – The project includes the amendment of two development agreements within the SVSP: 1.) Mourier & Bagley (Exhibit F) and 2.) Mourier & Computer Deductions (Exhibit G). The amendments reflect the proposed land use changes and the change in the number of units within the affected development agreements. Both amendments include updates to the parties' obligations with respect to groundwater production wells and recycled water facilities, and updates to the parties' evaluation of water conservation goals. The Mourier & Computer Deductions DA, which covers Parcel JM-30, will also be amended to reflect the updated affordable housing allocation.

Tentative Subdivision Map – The applicant proposes a new subdivision on Parcel JM-40 that will consist of 35 lots and one (1) landscape lot. The Tentative Subdivision Map is included as Exhibit H and includes a preliminary grading plan.

Design Review for Residential Subdivision – The project includes elevations and modified development standards for the proposed subdivision. The modified development standards are included as Exhibit I. The design review package, which includes floor plans, elevations, and typical landscape plans, is included as Exhibit J.

SITE INFORMATION

Location: 1690 Vista Grande Boulevard (APN 498-010-034-000)

Total Size: 5.65 acres

Topography and Setting: The project site is undeveloped and is dominated by relatively flat topography. The site is vegetated with non-native grassland and does not contain any native oak trees. Aerial photography shows evidence of previous ground disturbance on the site due to construction of the adjacent roadways. There are no wetlands or designated open space areas on the site. The site is adjacent to single-family residential subdivisions to the north and east that are currently under construction, an undeveloped CMU parcel to the west across Market St., and an undeveloped Medium Density Residential parcel to the south across Vista Grande Blvd.

EVALUATION: GENERAL PLAN AMENDMENT AND SPECIFIC PLAN AMENDMENT

Proposed amendments to the General Plan and Specific Plan are analyzed for consistency with the goals and policies of the respective plans. The City has adopted Guidelines for Conversion of Non-Residential Land Uses (see Attachment 1), to guide proposed land use changes from non-residential to residential uses. The guidelines state:

1. Balance of the City includes properties within all specific plans and the North Industrial Plan area.

2. A region wide employment and land inventory study shall be required of each project that is equal to or greater than 50 acres.

3. Land use changes will not have a negative fiscal impact to the City. Each project shall be modeled individually for citywide impacts utilizing the City's fiscal model.

4. Projects that are 50 acres or greater in size shall maintain employment options and a favorable jobs housing balance.

5. New housing development shall meet the City's 10% goal consistent with the Housing Element (4% affordable to very low, 4% affordable to low, and 2% affordable to middle income).

6. Projects shall provide a specific public benefit that may be in the form of a community benefit fee.

7. Increases in general fund service demands shall be mitigated by establishment of or annexation into a Community Facilities Mello Roos Assessment District to offset the costs of the project. The assessment may be utilized to offset the cost of the following: public safety; parks and open space maintenance; storm water management; and other costs identified by the City.

8. Parks obligation to include payment of citywide and neighborhood park fees. Active park needs shall be provided by the project. An in-lieu parkland dedication fee may be negotiated in lieu of land based on the project. For each acre of parkland dedication mitigated by an in-lieu fee a corresponding in-lieu fee shall be paid for park improvements. The in-lieu fees shall provide improvements of local benefit.

9. Place emphasis on the dedication of parklands within specific plan areas rather than acceptance of an in-lieu fee for land dedication.

10. Utilities (e.g. water, sewer, electric) shall not be impacted as to conveyance or capacity.

11. School impacts shall be mitigated through new impact agreements executed with the school districts to ensure that the projects student generation is accommodated.

12. Residential units not utilized within a specific plan area shall be reallocated within that plan area and school district. Otherwise, requests for units shall be considered as additive to the City's existing unit allocation.

13. Encourage higher density residential mixed-use projects with consideration to the relaxing of any one guideline or multiple guidelines to promote and provide incentives for innovative higher density residential mixed-use projects.

The project site is under 50 acres, therefore guidelines #2 and #4 listed above are not applicable to the evaluation of the project. The City's building permit process includes the assessment of all applicable and appropriate fees, which will ensure the project conforms to the guidelines addressing impact fees (#6-8).

Traffic and Utilities: As part of the change in land use, impacts to traffic and utilities (water, recycled water, wastewater and solid waste) were evaluated. The City's Engineering Division staff determined that a long-term traffic study was not required given the project does not generate more than 50 p.m. peak hour trips or exceed the number of trips anticipated in the General Plan. In fact, given the project will remove commercial land use from the property, the vehicle trips generated from the site will be reduced significantly from the trips assumed in the City's traffic model.

The City's Environmental Utilities staff determined the City has sufficient water supply and wastewater capacity to adequately serve the project. This evaluation is discussed in detail in the applicable sections of the Addendum to the SVSP EIR that was prepared to support this project (see Attachment 2).

Unit Transfer and Affordable Housing: The SVSP allows for residential units to be transferred between lots within the plan area. Table 1, below, identifies the proposed unit transfer between Parcel JM-40 and Parcel JM-30. The unit transfer will allocate an additional five (5) units to Parcel JM-30, but will not affect the existing HDR land use designation. The General Plan and SVSP will be amended to reflect the unit transfers, as shown in the change pages included as Exhibits B and D.

Table 1: Proposed Unit Transfers

Parcel	Existing Land Use	Proposed Land Use	Existing Units	Proposed Units	Difference	% Change	Transfer from
JM-40	CC/CMU	MDR	40	35	-5	-12.5%	5 units from JM-30
JM-30	HDR	Unchanged	159	164	+5	+3.1%	N/A
TOTAL			**199**	**199**			

The SVSP designates Parcel JM-30 as an affordable housing site with a current obligation of 146 affordable units. As mentioned, an additional 12 units are proposed to be transferred to Parcel JM-30 from Parcel JM-21. With the 5 units transferred as part of this project, the resulting unit allocation for Parcel JM-30 will be 176 units. The applicant is proposing to designate all 176 units on Parcel JM-30 as affordable rental units (88 Very Low and 88 Low). The City's Housing Division reviewed the project and determined the proposed affordable unit transfer is acceptable and is consistent with City policy, and that no affordable units are required for Parcel JM-40. Table 5-3 of the SVSP, which identifies the affordable housing allocation by parcel, will be updated to reflect the proposed transfer (included with Exhibit D).

Fiscal Impact Analysis: Consistent with guideline #3 above, the project was modeled utilizing the City's fiscal impact model to ensure the proposed land use change will not have a negative fiscal impact on the City. The Fiscal Impact Analysis (FIA) is included as Attachment 3. The FIA concluded that the proposed land use change will result in a net positive fiscal impact to the City. Although the project will reduce the sales tax revenue due to the reduction in commercial land uses, the project mitigates this with the fees generated by the Community Facilities District (CFD) No. 3, which will offset the costs of the project and will not negatively affect the General Fund. The City's Finance Department reviewed the FIA and confirmed the project would not result in a negative fiscal impact.

Because Parcel JM-40 has an existing housing allocation of 40 units and the entitlements associated with this project do not increase the overall number of units within the SVSP, an additional Community Benefit fee is not warranted with this project.

Based on the evaluation above, staff finds the project is consistent with the Non-Residential Conversion Guidelines and is also consistent with the goals and polices of the General Plan and SVSP.

EVALUATION: REZONE

Zoning Ordinance Section 19.86.050 specifies that recommendations for approval or denial of a rezone shall include consideration of the proposed amendment's consistency with:

1. ***The public interest, health, safety, or welfare of the City, and***

2. ***The General Plan and any applicable Specific Plan.***

The project would rezone Parcel JM-40 from Commercial Mixed Use/Special Area (CMU/SA) to Small Lot Residential with a Development Standards overly (RS/DS). The project includes modified development standards for the RS/DS zoning designation, which are later discussed in the Tentative Subdivision Map and Design Review for Residential Subdivision evaluation sections of this report.

The City of Roseville General Plan provides a list of compatible "Implementing Zones" for each land use designation (General Plan Table II-10), which establishes what zoning designations are considered compatible with the applicable General Plan land use designation. The proposed General Plan land use designation for the project site is Medium Density Residential (MDR). The proposed Small Lot Residential (RS) zone is listed as an implementing zone. According to both the General Plan and SVSP, the MDR land use designation applies to land characterized by small-lot single-family detached dwelling units and attached patio homes, halfplexes, duplexes, townhouses, condominiums, and mobile home parks. Detached single-family is listed as one of the primary uses and the applicable development guidelines include a density of 7.0 to 12.9 dwelling units per gross developable acre. The proposed project is a 35-unit detached single-family subdivision with a density of 7.6 units per gross developable acre (excluding the landscape corridor), which is consistent with the MDR land use designation.

Table II-9 of the General Plan contains a table addressing the compatibility of adjacent land uses. For purposes of the table, "adjacent" includes land uses separated by collectors (e.g., Market St.) and local streets but does not include land uses separated by major arterials (e.g., Vista Grande Blvd.). The proposed MDR land use is considered to be compatible with the adjacent MDR land uses to the north and east of the project site, and conditionally compatible with the adjacent Community Commercial (CC) land use to the west across Market St. In conclusion, staff finds the proposed rezone is consistent with the requirements of the General Plan and SVSP for the MDR land use, and the project will not adversely affect the public interest, safety, or welfare of the City.

EVALUATION: DEVELOPMENT AGREEMENT AMENDMENTS

Section 19.84.040 of the City of Roseville Zoning Ordinance specifies that recommendations for approval or denial of a Development Agreement (DA), including Amendments, shall include consideration of the following:

1. ***Consistency with the objectives, policies, general land uses and programs specified in the General Plan and the Sierra Vista Specific Plan;***

2. ***Consistency with the provisions of the City of Roseville Zoning Ordinance;***

3. ***Conformity with the public health, safety and general welfare;***

4. ***The effect on the orderly development of the property or the preservation of property values; and***

5. ***Whether the provisions of the Agreement shall provide sufficient benefit to the City to justify entering into the Agreement.***

Development Agreements (DAs) are binding contracts that set the terms, rules, conditions, regulations, entitlements, responsibilities, and other provisions relating to the development of the covered properties. The project includes a second amendment of the Mourier & Bagley DA and a second amendment of the Mourier & Computer Deductions DA. The DAs will be amended to reflect the proposed unit transfers and land use change. In addition, the key items addressed in the proposed DA amendments include groundwater wells, water conservation goals, recycled water facilities, and affordable housing unit obligations. Each item is listed and discussed below. Items that are not addressed in this amendment are subject to the terms of the original DAs and prior 1st Amendments.

Groundwater Wells: Section 3.7.2 of the original DAs requires the Landowner to dedicate to the City Parcels JM-60 and FD-63 for two groundwater wells. The City is responsible for the construction of monitoring wells for determining water production and quality and the topside improvements. The Landowner is responsible for drilling and completing the production wells, but not the above ground well improvements such as pumping and treatment facilities. The requested DAAs maintain this language but adds that if the City adopts a revised water connection fee which is uniformly applied on a City-wide basis and encompasses the costs of the well construction requirements, the Landowner shall be relieved of the well construction requirements as long as the Landowner pays the applicable water connection fee.

Water Conservation Goals: The proposed DAAs include an amendment to Section 3.7.4, which pertains to the City's periodic evaluation of available water supply and water conservation goals. The original DAs require the review of water demands, the achievement of water conservation goals and sources of water once construction of the dwelling units in the Plan area cumulatively utilize 25% of the projected potable water usage at buildout of the SVSP, and then every three years thereafter during the term of the DA. The DAAs will replace this language and clarify the City has the ability to monitor potable water consumption on a near real term basis with the implementation of the City's Advanced Metering Infrastructure ("AMI") system.

Recycled Water Facilities: The DAAs will amend Section 3.9 of the original DAs regarding development obligations for construction of recycled water facilities. Similar to Section 3.2.2 discussed above, the DAAs add language that if the City adopts a revised water connection fee that is uniformly applied on a City-wide basis and encompasses the estimated cost for construction of the recycled water facilities, the Landowner shall not be responsible for the payment of the pro-rata share of the cost of the recycled water facilities, as long as the Landowner pays the applicable recycled water connection fee or revised water connection fee, or any special benefit fees as may be applicable to fund the recycled water facilities.

Affordable Unit Allocation: The amendment to the Mourier & Computer Deductions DA includes a revision to the affordable housing obligation for Parcel JM-30. Of the 159 units currently allocated to Parcel JM-30, 146 of these units are designated as affordable in the SVSP and in the Mourier & Computer Deductions DA. The project will transfer five (5) units from Parcel JM-40 to Parcel JM-30, as well as twelve (12) units from Parcel JM-21 (currently being processed under file #PL20-0191). As a result, Parcel JM-30 will be allocated a total of 176 units. The applicant is proposing to designate all 176 units on Parcel JM-30 as affordable rental units (88 Very Low and 88 Low). Section 2.6.1.1 of the DA will be amended to reflect this new allocation. As mentioned, the City's Housing Division reviewed the project and determined the proposed affordable unit transfer is acceptable and is consistent with City policy.

In summary, City staff has found the proposed DAAs to be consistent with the General Plan, SVSP, and the Zoning Ordinance. The DAAs are in conformance with the public health, safety, and welfare, and will not adversely affect the orderly development of the property or the preservation of property values. Therefore, the proposed DAAs are consistent with items 1-5 above.

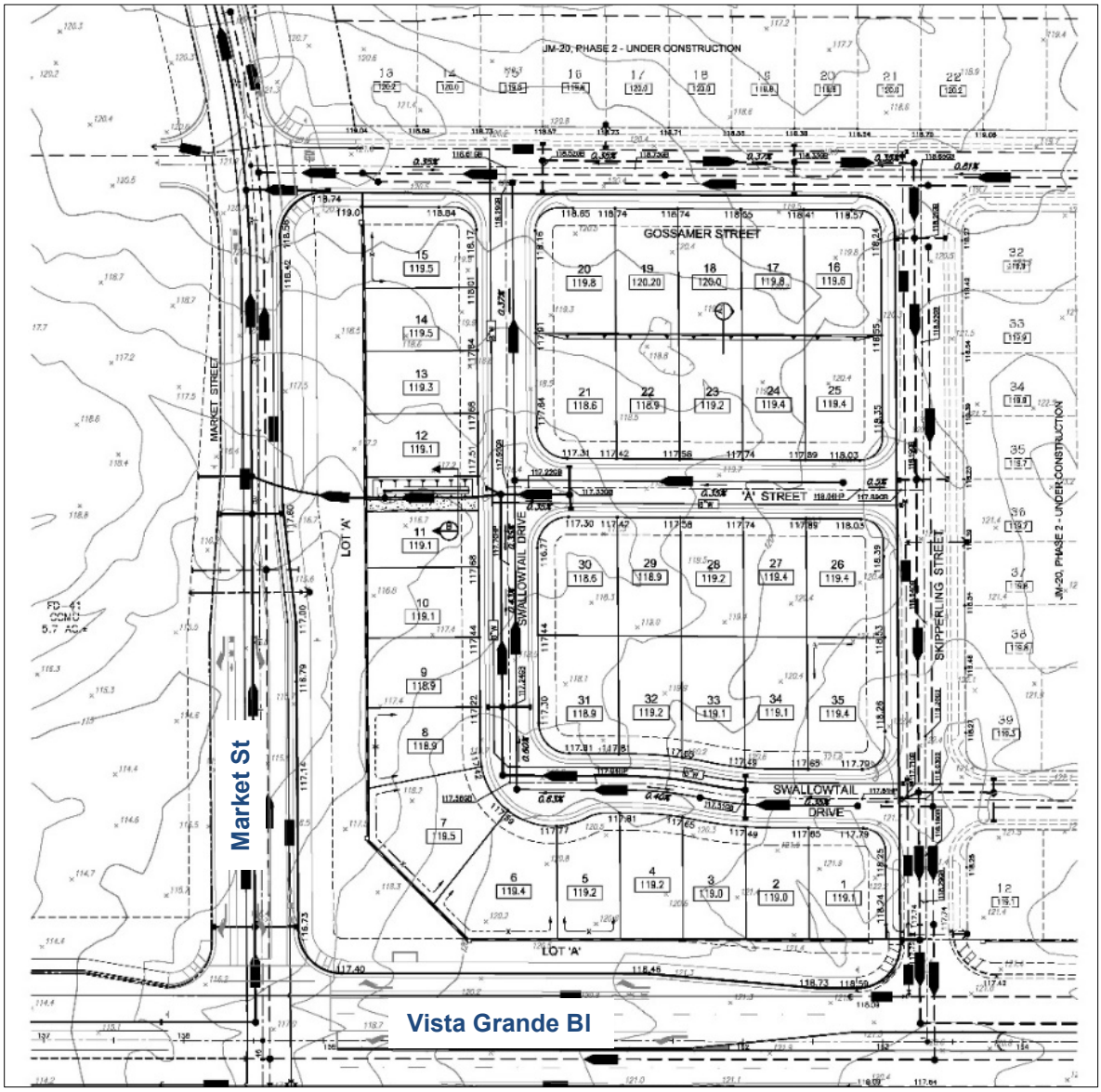
EVALUATION: TENTATIVE SUBDIVISION MAP

Section 18.06.180 of the City of Roseville Subdivision Ordinance requires that three findings be made in order to approve or conditionally approve a Tentative Subdivision Map. The three findings are listed below in ***bold, italics*** and are followed by an evaluation of the map in relation to each finding.

1. ***The size, design, character, grading, location, orientation, and configuration of lots, roads and all improvements for the tentative subdivision map are consistent with the density, uses, circulation and open space systems, applicable policies and standards of the General Plan and the Community Design Guidelines, and the design standards of Title 18 (Subdivision Ordinance) of the Roseville Municipal Code.***

The applicant is proposing to subdivide Parcel JM-40 into 35 single-family residential lots and one (1) landscape lot ("Lot A") (see Figure 2 below and attached Exhibit H). The Map Act and Subdivision Ordinance do not contain any maximum or minimum lot sizes. Instead these standards are contained within the Zoning Ordinance and SVSP. The design of the proposed improvements have been reviewed by relevant City departments and divisions and have been found to conform to City standards. An evaluation of the design elements of the subdivision is included below.

Figure 2: Proposed Tentative Subdivision Map



Access and Circulation: Consistent with the SVSP, the proposed subdivision configuration will create practical lots for the development of residential uses. Vehicle access for the subdivision will be provided from both Market St. and Vista Grande Blvd. The layout and street design was reviewed by Development Services Engineering and Fire Department staff to ensure that the street design meets standards for vehicular circulation and emergency response.

Paseo: Figures B-5 and B-11 of the SVSP identify a collector street paseo along Market St. adjacent to Parcel JM-40. The proposed subdivision map includes a 60-foot wide paseo consisting of a 15-foot landscape strip along Market Street, a 10-foot walk, and then a 35-foot landscape street between the walk and the masonry wall adjacent to the proposed lots; this design is consistent with the paseo guidelines for the residential parcels along Market St. Section B.6 of the SVSP Design Guidelines states that pedestrian connections should occur every 600 feet along a collector paseo. As the entire length of Parcel JM-40 adjacent to the paseo is less than 600 feet long, the only pedestrian connection along the collector paseo will be located at the entrance to the subdivision along Market St. In addition, the homes adjacent to the paseo will back on to the paseo, consistent with Section B.6. The interface with the pedestrian circulation system is consistent with the requirements of the SVSP.

2. The subdivision will result in lots which can be used or built upon. The subdivision will not create lots which are impractical for improvement or use due to: the steepness of terrain or location of watercourses in the area; the size or shape of the lots or inadequate building area; inadequate frontage or access; or, some other physical condition of the area.

The proposed parcels are of sufficient size and shape to accommodate development that is consistent with the applicable zoning and design requirements. As mentioned above, the lots are consistent with the proposed development standards included as Exhibit I. These standards are consistent with other development standards that have been approved in the SVSP area. The modified RS/DS standards have been determined to be of adequate size and shape to support development consistent with the SVSP guidelines.

The subdivision is located on relatively flat land. A master drainage plan has been approved for the SVSP area. The project has been reviewed by the Engineering Division and no conflicts with the master drainage plan have been identified.

3. The design and density of the subdivision will not violate the existing requirements prescribed by the Regional Water Quality Control Board for the discharge of waste into the sewage system, Pursuant to Division 7 of the Water Code.

As part of the adoption of the SVSP, an assessment of wastewater demands was completed for the entire plan area. The proposed subdivision map is consistent with the total number of units anticipated within the Specific Plan, and therefore will not increase planned demands on sewage services; there will be no impacts to the existing requirements established by the Regional Water Quality Control Board.

EVALUATION: DESIGN REVIEW FOR RESIDENTIAL SUBDIVISION

Section 19.10.045 of the Zoning Ordinance specifies that a Design Review Permit is required for all compact residential development (attached or detached single-family units on land with a General Plan land use designation of Medium Density Residential or higher) or for any residential projects of any density on a parcel or parcels zoned Small Lot Residential (RS) where modifications to the RS supplemental design standards are requested. Design Review gives staff the opportunity to examine the proposed design to determine compatibility with the surrounding community, and compliance with the intent of the Community Design Guidelines and other applicable design standards. Pursuant to Zoning Ordinance Section 19.78.060, the required Findings for a Design Review Permit for a Residential Subdivision are as follows:

1. ***The residential design, including the height, bulk, size, and arrangement of buildings is harmonious with other buildings in the vicinity.***

2. ***The residential design is consistent with the applicable design guidelines.***

This project is subject to the development standards of the City's Zoning Ordinance, the City's Community Design Guidelines (CDG), and the SVSP. However, the Mourier & Bagley DA (which covers Parcel JM-40) includes a provision allowing MDR parcels to use either the RS/DS standards set forth in the SVSP or to use the modified RS/DS standards outlined in the DA (see Attachment 4). The RS/DS development standards within the DA allow for a smaller lot size, reduced front yard setback, and removes the minimum usable open space requirement. The applicant is proposing to apply the RS/DS standards in the DA (Single Family with Attached Sidewalk), with modifications to the front and interior side yard setbacks. The front yard setback will be reduced from 14 feet to 12.5 feet and the interior side yard setback will be reduced from 5 feet to 4 feet. The proposed standards are included as Exhibit I, and the conceptual elevations showing architectural treatment, floor plans, and color schemes are included as Exhibit J.

Plan Types: The project includes eight plan types, three one-story and five two-story, ranging in size from approximately 1,300 square feet to approximately 2,300 square feet. The units will be single-family, detached, front-loaded product types with two-car garages, similar in height, bulk, and arrangement to other planned homes in the vicinity. Table 2 identifies the square footage, number of bedrooms, and number of floors for each plan type.

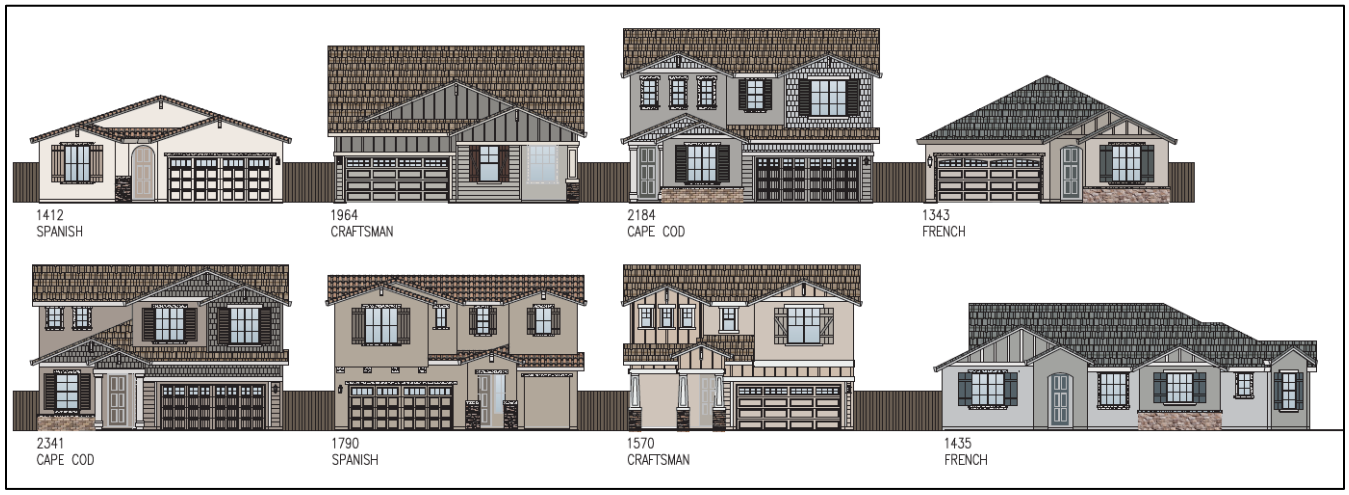
Table 2: Plan Types

Plan Type	Square Footage	Bedrooms	Floors
Plan 1343	1,343	3	1
Plan 1412	1,412	3	1
Plan 1435	1,435	3	1
Plan 1570	1,570	3	2
Plan 1790	1,790	4	2
Plan 1964	1,964	4	2
Plan 2184	2,184	5	2
Plan 2341	2,341	5	2

Streetscape: Each of the eight floor plans will be offered in one of four architectural styles—Spanish, Craftsman, Cape Cod, and French. Building projections and varying roof forms are used to provide visual interest in the streetscape. For the sides and rear of the homes, each elevation includes both a standard and an enhanced set of plans. The enhanced elevations will be used on lots adjacent to the roadways (Market St. and Vista Grande Bl.) and all street-facing elevations on corner lots. Enhancement includes the addition of window fittings such as shutters, window trims, and the use of additional materials on the façade. Figure 3 below includes an example of the streetscape.

Colors and Materials: Visual interest on the homes' façades are provided by the variation in materials and architecture. The homes will be offered in seven color schemes consisting of natural or neutral tones. The designs incorporate a mix of materials, such as stucco, lap siding, and stone, and decorative embellishments (i.e., shutters and decorative woodwork) which help further emphasize façade articulation in the streetscape.

Figure 3: Example Streetscape



Landscaping: The applicant has included typical landscaping plans showing the proposed plant palette and layout. The plans include a mix of trees, shrubs, and groundcover, using a palette that will create seasonal visual interest consistent with the SVSP Landscape Guidelines. The project is conditioned to comply with the City's Water Efficient Landscape Ordinance (WELO).

Development Standards: The project request includes modified development standards to deviate from the RS/DS standards outlined in the Mourier & Bagley DA. The front yard setback will be reduced from 14 feet to 12.5 feet and the interior side yard setback will be reduced from 5 feet to 4 feet. These reduced setbacks will help to facilitate the single story units planned for the subdivision. Staff is supportive of the setback reductions as single story units help to vary the streetscape views and massing for the residential units. In addition, the setback reductions are consistent with other DRRS approvals in the SVSP area, including the adjacent JM-20A and JM-20B subdivisions to the north and east, and the massing and varying wall planes of the building design will reduce the visual impact of the reduced setbacks.

The size and overall design of the project is compatible with the other approved subdivisions in the nearby area. The project is also consistent with the applicable design guidelines, as the design has included architectural treatments and details which will create street presence and character.

PUBLIC OUTREACH

The proposed project was distributed to all internal and external agencies and departments who have requested such notice, and all comments or recommended conditions of approval have been incorporated into the project, as appropriate. A notice of the public hearing was published in the Sacramento Bee on November 27, 2020 and a notice of the hearing was also distributed to all property owners within 300 feet of the site, and to the Roseville Coalition of Neighborhood Associations. To date, no comments have been received.

ENVIRONMENTAL DETERMINATION

Consistent with CEQA Guidelines Section 15164, regarding previously certified and adopted Environmental Impact Reports (EIR), an Addendum to the Sierra Vista Specific Plan EIR (SCH #2008032115, certified May 5, 2010) has been prepared to cover the minor technical changes and additions necessary to describe the impacts of the proposed project (Attachment 2). The Addendum did not identify any new environmental impacts from the project. As such, staff recommends the Planning Commission consider the Addendum prior to taking action on this project.

RECOMMENDATION

The Planning Division recommends the Planning Commission take the following actions:

A. Consider the **3rd Addendum to the Sierra Vista Specific Plan EIR**;

B. Recommend the City Council approve the **GENERAL PLAN AMENDMENT (LAND USE MAP) – 1690 VISTA GRANDE BOULEVARD – SVSP PCL JM-40 – SIERRA VISTA JM-40 SUBDIVISION – FILE #PL20-0103**;

C. Recommend the City Council approve the **SPECIFIC PLAN AMENDMENT (TEXT AND LAND USE MAP) – 1690 VISTA GRANDE BOULEVARD – SVSP PCL JM-40 – SIERRA VISTA JM-40 SUBDIVISION – FILE #PL20-0103**;

D. Recommend the City Council adopt the two (2) findings of fact and approve the **REZONE – 1690 VISTA GRANDE BOULEVARD – SVSP PCL JM-40 – SIERRA VISTA JM-40 SUBDIVISION – FILE #PL20-0103**;

E. Recommend the City Council approve the **DEVELOPMENT AGREEMENT AMENDMENT (MOURIER & BAGLEY) – 1690 VISTA GRANDE BOULEVARD – SVSP PCL JM-40 – SIERRA VISTA JM-40 SUBDIVISION – FILE #PL20-0103**;

F. Recommend the City Council approve the **DEVELOPMENT AGREEMENT AMENDMENT (MOURIER & COMPUTER DEDUCTIONS) – 1690 VISTA GRANDE BOULEVARD – SVSP PCL JM-40 – SIERRA VISTA JM-40 SUBDIVISION – FILE #PL20-0103**;

G. Adopt the three (3) findings of fact and approve the **TENTATIVE SUBDIVISION MAP – 1690 VISTA GRANDE BOULEVARD – SVSP PCL JM-40 – SIERRA VISTA JM-40 SUBDIVISION – FILE #PL20-0103** subject to sixty-two (62) conditions of approval; and

H. Adopt the two (2) findings of fact and approve the **DESIGN REVIEW FOR RESIDENTIAL SUBDIVISION – 1690 VISTA GRANDE BOULEVARD – SVSP PCL JM-40 – SIERRA VISTA JM-40 SUBDIVISION – FILE #PL20-0103** subject to twenty-five (25) conditions of approval.

CONDITIONS OF APPROVAL FOR THE TENTATIVE SUBDIVISION MAP – FILE #PL20-0103

1. The Tentative Subdivision Map shall not be deemed approved until the actions on the General Plan Amendment, Specific Plan Amendment, Rezone, and Development Agreement Amendment are approved and become effective. (Planning)

2. The approval of a Tentative Map and/or tentative site plan does not constitute approval of proposed improvements as to size, design, materials, or location, unless specifically addressed in these conditions of approval. The Developer shall submit civil drawings to the Department of Development Services – Engineering Division for review and approval. (Engineering)

3. The design and construction of all improvements shall conform to the Design and Construction Standards of the City of Roseville, or as modified by these conditions of approval, or as directed by the City Engineer. (Engineering)

4. The developer shall not commence with any on-site improvements until such time as grading and/or improvement plans have been submitted for review and are approved and grading and/or encroachment permits are issued by the Department of Development Services – Engineering Division. (Engineering)

5. The applicant shall pay City's actual costs for providing plan check, mapping, GIS, and inspection services. This may be a combination of staff costs and direct billing for contract professional services. Project billing may occur up to two (2) months after the end of warranty or the Notice of Termination date for the SWPPP, whichever occurs later. (Engineering, Environmental Utilities, Finance)

6. The project shall comply with all required environmental mitigation identified in the Sierra Vista Specific Plan EIR (State Clearinghouse #2008032115, certified May 5, 2010) and subsequent Addendum prepared for the project, and shall include all applicable mitigation measures as notes on the grading plans. (All Departments)

PRIOR TO ISSUANCE OF A GRADING PERMIT AND/OR IMPROVEMENT PLANS:

7. Landscape Plans for all landscape corridors and all landscaped common areas shall be approved with the improvement plans. Landscaping shall be installed for Substantial Completion of the subdivision improvements. Landscape corridors shall also successfully complete the required establishment period. The landscape plan shall comply with the Sierra Vista Specific Plan and the City of Roseville Water Efficient Landscape Ordinance. (Planning, Engineering, Parks, Fire, Environmental Utilities)

8. The grading and improvement plans shall be designed in accordance with the City's Improvement Standards and Construction Standards and shall reflect the following:

    a. Street improvements including, but not limited to, curb, gutter, sidewalk, pavement, drainage systems, traffic striping, signing, medians and markings, etc. along all existing and proposed City streets, as required by Engineering.

    b. Grading shall comply with the City grading ordinance. Erosion control devices (sediment traps, ditches, straw bales, etc.) shall be shown on the grading plans. All erosion control shall be installed prior to the onset of wet weather. Erosion control is installed to minimize silt discharge from the project site. It is incumbent upon the applicant to ensure that necessary measures are taken to minimize silt discharge from the site. Therefore modification of the erosion control plan may be warranted during wet weather conditions.

    c. A rough grading permit may be approved by the Engineering Department prior to approval of the improvement plans.

    d. Access to the floodplain as required by Engineering and the Streets Department.

    e. Standard Accessible ramps shall be installed at all curb returns per City Standards. (Engineering)

9. For all work to be performed off-site, permission to enter and construct shall be obtained from the property owner, in the form of a notarized right-of-entry. Said notarized right-of-entry shall be provided to the Engineering Division prior to approval of any plans. (Engineering)

10. The applicant shall apply for and obtain an encroachment permit from the Engineering Department prior to any work conducted within the City right-of-way. (Engineering)

11. The Subdivision or Infrastructure improvement plans shall include a complete set of Landscape Plans. The frontage landscaping improvements shall be completed and accepted by the city prior to or concurrent with City acceptance of the subdivision improvement plans. (Planning, Engineering, Fire, Environmental Utilities, Electric)

12. The applicant shall remove and reconstruct any existing damaged curb, gutter, and sidewalk along the property frontage. During site inspection Engineering will designate the exact areas to be reconstructed. (Engineering)

13. All Lots/Parcels shall conform to Class 1 drainage, pursuant to the adopted City of Roseville Improvement Standards, except as shown on the tentative map or as approved in these conditions. (Engineering)

14. The following note shall be added to the Grading and/or Improvement Plans:

To minimize dust/grading impacts during construction the applicant shall:

a. *Spray water on all exposed earth surfaces during clearing, grading, earth moving and other site preparation activities throughout the day.*

b. *Use tarpaulins or other affective covers on all stockpiled earth material and on all haul trucks.*

c. *Sweep the adjacent streets frontages at least once a day or as needed to remove silt and other dirt which is evident from construction activities.*

d. *Ensure that construction vehicles are cleaned prior to leaving the construction site to prevent dust and dirt from being tracked off site.*

e. *The City shall have the authority to stop all grading operations, if in the opinion of city staff, inadequate dust control measures are being practiced or excessive wind conditions contribute to fugitive dust emissions. (Engineering)*

15. Prior to the approval of the improvement plans, it will be the project proponent's responsibility to pay the standard City Trench Cut Recovery Fee for any cuts within the City streets that are required for the installation of underground utilities. (Engineering)

16. Market Street shall be designed in conformance with the approved tentative map and the Sierra Vista Specific Plan. The west half of the street section will include 14'-23' of pavement improvements along with curb and gutter. The eastern half will include a 60' wide paseo, a 15' (5' min) wide planter between the back of curb and the sidewalk, a 10' wide sidewalk and approximately 35' of landscaping between the back of sidewalk and the masonry wall. (Engineering)

17. The typical minor private residential street shall be designed in conformance of the approved tentative map and Sierra Vista Specific Plan. The street will consist of 42' of right of way with a typical ½ section of 14' pavement, 4' sidewalk and 12.5' PUE. The PUE will be placed over these private roads for access and maintenance of the water and sewer.(Engineering)

18. A note shall be added to the grading plans that states:

    "Prior to the commencement of grading operations, the contractor shall identify the site where the ***excess/borrow*** *earthen material shall be imported/deposited. If the* ***borrow/deposit*** *site is within the City of Roseville, the contractor shall produce a report issued by a geotechnical engineer to verify that the exported materials are suitable for the intended fill, and shall show proof of all approved grading plans. Haul routes to be used shall be specified."* (Engineering)

19. The applicant shall dedicate all necessary rights-of-way for the widening of any streets required with this entitlement. A separate document shall be drafted for approval and acceptance by the City of Roseville, and recorded at the County Recorder's Office. (Engineering)

20. The applicant shall dedicate a separate drainage easement to the City of Roseville for the storm drain facility required to transfer public storm waters through the site. The easement document shall be drafted for approval and acceptance by the City of Roseville, and recorded at the County Recorder's Office. (Engineering)

21. The grading plans for the site shall be accompanied with a shed map that defines that area tributary to this site. All drainage facilities shall be designed to accommodate the tributary flow. All on-site storm drainage shall be collected on site and shall be routed to the nearest existing storm drain stub of natural drainage coarse. (Engineering)

22. All storm drainage, including roof drains, shall be collected on site and shall be routed to the nearest storm drain system or natural drainage facility. Prior to discharge from the site, the storm water shall be treated with appropriate storm water pollution treatment device(s). Any drainage outfalls shall extend down to the receiving water and shall be constructed with adequate velocity attenuation devices. (Engineering)

23. The grading plans shall be accompanied with engineered structural calculations for all retaining walls greater than 4 feet in height. All retaining walls shall be of either split faced masonry units, keystone type construction, or cast in place concrete with fascia treatment. (Engineering)

24. The developer shall be responsible for any necessary relocation of signal interconnect cables that may require re-location as a result of the construction of turn lanes and/or driveways. (Engineering)

25. To ensure that the design for any necessary widening, construction, or modifications of Public Streets does not conflict with existing dry utilities generally located behind the curb and gutter, and prior to the submittal of design drawings for those frontage improvements, the project proponent shall have the existing dry utilities pot holed for verification of location and depth. (Engineering)

26. Sight distances for all driveways shall be clearly shown on the improvement plans to verify that minimum standards are achieved. It will be the responsibility of the project proponent to provide appropriate landscaping and improvement plans, and to relocate and/or modify existing facilities as needed to meet these design objectives. (Engineering)

27. Project infrastructure improvements maybe subject to reimbursements under the Citywide TMF, the TMF Set-Aside or the Sierra Vista Specific Plan (SVSP) fee program as identified in the Development Agreement. (Engineering)

28. **Prior to the approval of the Improvement Plans**, the project proponent shall provide proof of preparation and submittal of a Storm Water Pollution Prevention Plan (SWPPP) to the Regional Water Quality Control Board (RWQCB). Proof shall be in the form of the Waste Discharge Identification Number (WDID#), provided to the applicant from RWQCB, placed on the coversheet of the improvement plans. Upon approval of the improvement plans, a copy of the SWPPP shall be required onsite and available for viewing by City inspection staff upon request. (Engineering)

29. Prior to the issuance of a grading permit or approval of Improvement Plans, the grading plans shall clearly identify all existing water, sewer and recycled water utilities within the boundaries of the project (including adjoining public right of way). Existing utilities shall be identified in plan-view and in profile-view where grading activities will modify existing site elevations over top of or within 15 feet of the utility. Any utilities that could potentially be impacted by the project shall be clearly identified along with the proposed protection measures. The developer shall be responsible for taking measures and incurring costs associated with protecting the existing water, sewer and recycled water utilities to the satisfaction of the Environmental Utilities Director. (Environmental Utilities)

30. Water and sewer infrastructure shall be designed and constructed pursuant to the adopted City of Roseville Improvement Standards and Construction Standards and shall reflect the following:

    a. Sewer and water service laterals shall not be allowed off of water and sewer mains larger than 12 inches in diameter.

    b. Utilities or permanent structures shall not be located within the area which would be disturbed by an open trench needed to expose sewer trunk mains deeper than 12 feet unless approved by Environmental Utilities in these conditions. The area needed to construct the trench is a sloped cone above the sewer main. The cone shall have 1:1 side slopes.

c. Water and sewer mains shall not exceed a depth of 12 feet below finished grade, unless authorized in these conditions.

d. All sewer manholes shall have all-weather 10-ton vehicular access unless authorized by these conditions. (Environmental Utilities)

31. Recycled water infrastructure shall be designed pursuant to the adopted City of Roseville Improvement Standards and the City of Roseville Construction Standards. The applicant shall pay all applicable recycled water fees. Easements shall be provided as necessary for recycled water infrastructure. (Environmental Utilities)

32. Any backflow preventers visible from the street shall be painted green to blend in with the surrounding landscaping. The backflow preventers shall be screened with landscaping and shall comply with the following criteria:

    a. There shall be a minimum clearance of four feet (4'), on all sides, from the backflow preventer to the landscaping.

    b. For maintenance purposes, the landscaping shall be installed on a maximum of three sides and the plant material shall not have thorns.

    c. The control valves and the water meter shall be physically unobstructed.

    d. The backflow preventer shall be covered with a green cover that will provide insulation. (Environmental Utilities)

33. A note shall be added to the Improvement Plans stating that all water backflow devices shall be tested and approved by the Environmental Utilities Department prior to the Notice of Completion for the improvements. (Environmental Utilities)

34. Fire hydrants shall be located as required by the Fire Department. The maximum distance between fire hydrants shall not exceed 500' on center. (Fire)

35. Minimum fire flow is 1,500 gallons per minute with 20 pounds of residual pressure. The fire flow and residual pressure may be increased, as determined by the Fire Marshall, where the project utility lines will serve non-residential uses. (Fire)

36. Any facilities proposed for placement within public/electric utility easements shall be subject to review and approval by the Electric Department before any work commences in these areas. This includes, but is not limited to, landscaping, lighting, paving, signs, trees, walls, and structures of any type. (Electric)

37. All Electrical Department facilities, including street lights where applicable, shall be designed and built to the “City of Roseville Specifications for Residential Trenching”. (Electric)

38. The design for electrical service for this project will begin when the Electric Department has received a full set of improvement plans for the project. (Electric)

39. All landscaping in areas containing electrical service equipment shall conform to the “Electric Department Landscape Design Requirements” as outlined in Section 7.00 of the Electric Department’s “Specifications for Residential Trenching.” (Electric)

40. The location and design of the gas service shall be determined by PG&E. The design of gas service for this project shall not begin until PG&E has received a full set of City approved improvement plans for the project. (PG&E)

41. It is the developer's responsibility to notify PG&E of any work required on PG&E facilities. (PG&E)

PRIOR TO OR UPON RECORDATION OF FINAL/PARCEL MAP:

42. The following easements shall be provided and shown on the Final Map or by separate instrument, unless otherwise provided for in these conditions:

    a. Refer to the Tentative Map for all public utilities easement along all road frontages; and

    b. Water and sewer easements. (Environmental Utilities, Engineering)

43. All existing easements shall be maintained, unless otherwise provided for in these conditions. (Environmental Utilities, Electric, Engineering)

44. Separate document easements required by the City shall be prepared in accordance with the City's "Policy for Dedication of Easements to the City of Roseville". All legal descriptions shall be prepared by a licensed land Surveyor. (Alternative Transportation, Environmental Utilities, Electric, Engineering)

45. A declaration of Conditions, Covenants and Restrictions (CC&Rs), in a form approved by the City Attorney, shall be recorded on the entire property concurrently with the Final/Parcel Map. The CC&Rs shall include the following items: (Attorney, Planning)

    a. A clause prohibiting the amendment, revision or deletion of any sections in the CC&Rs required by these conditions of approval without the prior written consent of the City Attorney.

    b. A clause excluding any property owned by the City from the terms of the CC&Rs.

46. The City shall not approve the Final Map for recordation until either:

    a. A subdivision agreement is entered into along with the necessary bonds and insurance as required by the City. Said agreement shall be in a form acceptable to the City Attorney.

       OR

    b. The improvement plans are approved, and the improvements are constructed and accepted as complete. In this case, the subdivider shall enter into a one-year maintenance agreement concurrent with the recordation of the Final Map. (Engineering)

47. Any structures crossing Lot/Parcel lines created by the Final/Parcel map shall be removed. (Engineering)

48. Street names shall be approved by the City of Roseville. (Engineering)

49. The Final/Parcel Map shall include an irrevocable offer to dedicate public rights-of-way and public and/or private easements as required by the City. Lettered Lot//Parcel along major roads shall be dedicated as landscape/pedestrian/public utility easements and in fee to the City as open space. (Engineering)

50. The words "traffic control appurtenances" shall be included in the list of utilities allowed in public utilities easements (PUE's) located along public roadways. (Engineering)

51. The Final/Lot/Parcel/Parcel Map shall be submitted per, "The Digital Submittal of Cadastral Surveys". Submittal shall occur after Engineering approval but prior to Council approval. (Engineering)

52. Electric construction costs incurred by the City of Roseville Electric Department for this project shall be paid for by the developer per the applicable policy. (Electric)

53. The Environmental Utilities Department shall make a determination that there is adequate conveyance and treatment capacity in the City sewer system to handle the newly created Lot/Parcels. (Environmental Utilities)

54. The applicant shall pay all applicable water and sewer fees. (Environmental Utilities)

OTHER CONDITIONS OF APPROVAL:

55. The applicant shall pay City's actual costs for providing plan check, installation and inspection services. This may be a combination of staff costs and direct billing for contract professional services. (Environmental Utilities, Engineering)

56. Any relocation, rearrangement, or change to existing electric facilities due to this development shall be at the developer's expense. (Electric)

57. It is the responsibility of the developer to insure that all existing electric facilities remain free and clear of any obstructions during construction and when the project is complete. (Electric)

58. All residential units must install a Seasonal Energy Efficiency Rating ("SEER") of 2 points above the minimum, as defined by the State of California in the current Title 24 of the Code of California regulations, up to a total maximum of 16 points including the 2 point premium, an Energy Efficiency Ratio ("EER") of 12 or greater, and a thermal expansion valve "TXV"). The SEER rating of 2 points above the minimum, as defined by the current Title 24, up to a maximum of 16 points, and an EER rating of 12 or greater along with a TXV will be specified on building plans and Title 24 compliance certificates at the time building permits are requested. If Title 24 of the Code of California Regulations in effect at the time of request for building permits requires higher SEER or EER ratings, residential units in the Plan Area shall comply with such State requirements. The SEER and EER ratings will be verified with appropriate documentation. These requirements shall be utilized in the overall energy compliance calculations required for issuance of a building permit for any residential unit. Any variances must be approved by the Electric Department's Retail Energy Services Department. (Building, Electric)

59. Existing public facilities damaged during the course of construction shall be repaired by the applicant, at the applicant's expense, to the satisfaction of the City. (Engineering)

60. The project is subject to the noise standards established in the City's Noise Ordinance. In accordance with the City's Noise Ordinance project construction is exempt between the hours of seven a.m. and seven p.m. Monday through Friday, and between the hours of eight a.m. and eight p.m. Saturday and Sunday. Provided, however, that all construction equipment shall be fitted with factory installed muffling devices and that all construction equipment shall be maintained in good working order. (Engineering)

61. If site survey or earth moving work results in the discovery of hazardous materials in containers or what appears to be hazardous wastes released into the ground, the contractor shall notify the Roseville Fire Department immediately. A representative from the Fire Department will make a determination as to whether the incident is reportable or not and if site remediation is required. Non-emergency releases or notifications about the presence of containers found shall be reported to the Fire Department. (Fire)

62. All plant material shall be maintained under a 30 calendar day establishment period after initial planting. Upon completion of the establishment period, all plant material shall remain under warrantee for an additional 9 months minimum. Any plant material which does not survive during the establishment period shall be immediately replaced. Any trees or shrubs which do not survive during the warrantee period shall be replaced one month prior to the end of the warrantee period. Tree or shrub replacement made necessary due to acts of God, neglect or vandalism shall be exempt from the warrantee. (Parks, Recreation, and Libraries)

CONDITIONS OF APPROVAL FOR THE DESIGN REVIEW FOR RESIDENTIAL SUBDIVISION – FILE #PL20-0103

1. The development standards, unit designs and landscape plans for **SVSP PCL JM-40 – JM-40 Subdivision** are approved as described in Exhibits I–J, except as modified by these conditions of approval. (Planning)

2. This permit shall expire on the same date as the Tentative Map for **SVSP PCL JM-40 – JM-40 Subdivision** (**File #PL20-0103), which is December 10, 2022**. Prior to said expiration date, the applicant may apply for an extension of time, provided this approval does not extend the expiration beyond **December 10, 2023**. Effectuation of this DRRS shall occur with the first residential Building Permit. (Planning)

3. The landscape plan shall comply with the Landscape Guidelines for the Sierra Vista Specific Plan and the City of Roseville Water Efficient Landscape Ordinance. (Planning)

4. The project shall comply with all required environmental mitigation identified in the Sierra Vista Specific Plan EIR (State Clearinghouse #2008032115, certified May 5, 2010) and subsequent Addendum prepared for the project, and shall include all applicable mitigation measures as notes on the grading plans. (All Departments)

5. To provide variation along the streetscape, no two identical unit designs shall be located adjacent to one another. (Planning)

6. Lots with street-facing rear and side elevations shall be constructed with enhanced architectural details. (Planning)

PRIOR TO ISSUANCE OF BUILDING PERMITS:

7. The project Landscape Plans shall comply with the following:

   a) The Landscape Plan shall indicate the location of, and be designed to avoid conflicts with, all pole-mounted light fixtures and utility equipment including (but not limited to) electric transformers, switchgear, and overhead lines, backflow preventers, fire department connections, and public water, sewer, and storm drain facilities. (Planning, Fire, EUD, Electric, Public Works)

   b) At a minimum, landscaped areas not covered with live material shall be covered with a rock, (3") bark (no shredded bark) or (3") mulch covering. (Planning)

8. All on-site external lighting shall be installed and directed to have no off-site glare. (Planning)

9. Building permit plans shall comply with all applicable code requirements (California Residential Code-CRC- based on the International Residential Code, California Building Code – CBC – based on the International Building Code, California Green Building Standards Code-CGBSC, California Mechanical Code – CMC – based on the Uniform Mechanical Code, California Plumbing Code – CPC – based on the Uniform Plumbing Code, California Fire Code – CFC – based on the International Fire Code – with City of Roseville Amendments – RFC, California Electrical Code – CEC – based on the National Electrical Code, and California Energy Standards – CEC T-24 Part 6), California Title 24 and the American with Disabilities Act - ADA requirements, and all State and Federally mandated requirements in effect at the time of submittal for building permits (contact the Building Division for applicable Code editions). (Building)

10. Prior to the issuance of building permits, the property owner shall pay into the following fee programs: Citywide Drainage Fee, Citywide Traffic Mitigation Fee (TMF), Highway 65 Joint Partners Association (JPA), South Placer Regional Transportation Authority (SPRTA), and City/County Fee. (Engineering)

11. The design and installation of all fire protection equipment shall conform to the California Fire Code and the amendments adopted by the City of Roseville, along with all standards and policies implemented by the Roseville Fire Department. (Fire)

12. The applicable codes and standards adopted by the City shall be enforced at the time construction plans have been submitted to the City for permitting. (Fire)

13. Testing of all fire systems shall be performed prior to opening the sales office for business. (Fire)

14. Framing construction cannot commerce until access roads and public fire hydrants are approved by the Fire Department. (Fire)

15. It is the developer's responsibility to notify PG&E of any work required on PG&E facilities. (PG&E)

DURING CONSTRUCTION AND PRIOR TO ISSUANCE OF OCCUPANCY PERMITS:

16. All electric metering shall be directly outside accessible. (Electric)

17. It is the responsibility of the developer to ensure that all existing electric facilities remain free and clear of any obstruction during construction and when the project is complete. (Electric)

OTHER CONDITIONS OF APPROVAL:

18. The project is subject to the noise standards established in the City's Noise Ordinance. In accordance with the City's Noise Ordinance project construction is exempt between the hours of seven a.m. and seven p.m. Monday through Friday, and between the hours of eight a.m. and eight p.m. Saturday and Sunday. Provided, however, that all construction equipment shall be fitted with factory installed muffling devices and that all construction equipment shall be maintained in good working order. (Building)

19. The required width of fire apparatus access roads shall not be obstructed in any manner, including the parking of vehicles. Minimum required widths and vertical clearances established by the Fire Code shall be maintained at all times during construction. Closure of accesses for fire apparatus by gates, barricades and other devices shall be prohibited unless approved by the Fire Chief. (Fire)

20. Temporary aboveground storage tanks may be used at construction sites for diesel fuel only and shall not exceed 1,000 gallon capacity. Tanks shall comply with all provisions found within the Fire Code. A Fire Department Permit shall be obtained prior to tank installation. The permit shall expire after 90 days from the date of issuance, unless extended by the Fire Chief. (Fire)

21. Signs are not approved as part of the Design Review Permit. A Sign Permit is required for all project signs. (Planning)

22. Following the installation of the landscaping, all landscape material shall be maintained in a healthy and weed free condition; dead plant material shall be replaced immediately. All trees shall be maintained and pruned in accordance with the accepted practices of the International Society of Arboriculture (ISA). (Planning)

23. Fences and walls shall be consistent with the locations and treatments specified in the Sierra Vista Specific Plan Design Guidelines. (Planning)

24. The location and design of the gas service shall be determined by PG&E. The design of the gas service for this project shall not begin until PG&E has received a full set of City approved improvement plans for the project. (PG&E)

25. Any relocation or modification to the existing utility facilities or other existing improvements required for the development of this subdivision shall be at the developer's expense. (Electric, Environmental Utilities, Engineering, Fire)

ATTACHMENTS

1. Guidelines for Conversion of Non-Residential Land Uses
2. 3rd Addendum to the SVSP EIR
3. Fiscal Impact Analysis
4. Mourier & Bagley DA RS/DS Standards

EXHIBITS

A. GPA Exhibit
B. General Plan Land Use Map
C. SPA Exhibit
D. SVSP Change Pages
E. Rezone Exhibit
F. Second Amendment of the Mourier & Bagley DA
G. Second Amendment of the Mourier & Computer Deductions DA
H. Tentative Subdivision Map (4 sheets)
I. Modified RS/DS Standards
J. DRRS Package

Note to Applicant and/or Developer: Please contact Planning Division staff at (916) 774-5276 prior to the Commission meeting if you have any questions on any of the recommended conditions for your project. If you challenge the decision of the Commission in court, you may be limited to raising only those issues which you or someone else raised at the public hearing held for this project, or in written correspondence delivered to the Planning Manager at, or prior to, the public hearing.

Note: Attachments 1-3 and Exhibits A-G are not included as part of CC Attachment 1 (Planning Commission Staff Report) because they are already included as attachments/exhibits to the City Council Communication.

EXHIBIT E-1

JMC RS/DS Development Standards

	Single Family with Attached Sidewalk[4]	Single Family with Separated Sidewalk[2, 4]
Lot Size (minimum)		
Area, Interior Lot	*3,000 sq. ft.*	*2,800 sq. ft.*[2]
Area, Corner Lot	*3,300 sq. ft.*	*3,000 sq. ft.*[2]
Width, Interior	45 ft.	45 ft.
Width, Corner	*52.5 ft.*	*47.5 ft.*
Permitted Density (maximum per lot)		
Residential Density	1 dwelling; 1 second unit	1 dwelling; 1 second unit
Setbacks (minimum)		
Front[3]	*14 ft. to living space or side wall of garage;* 18 ft. min. driveway depth w/roll up garage door	*9 ft. to single-story living space or side wall of garage* 18 ft. min. driveway depth w/ roll up garage door
Sides[3, 5]	5 ft. interior; 12.5 ft. street side on corner	5 ft. interior; *7.5 ft. street side on corner*
Rear	*10 ft. to 1st-story wall* *15 ft. to 2nd story wall*	*10 ft. to 1st-story wall* *15 ft. to 2nd story wall*
Coverage (maximum)		
Site Coverage	None & *no min. usable open space required*	None & *no min. usable open space required*
Height (maximum)		
Height	35 ft.	35 ft.
Other Provisions		
Front Yard Stagger	*None required, but optional per unit design*	*None required, but optional per unit design*
2nd-story wall separation	*10 ft.*	*10 ft.*
Two-story unit mix	*No limit*	*No limit*
Stagger for 3rd car garages	2 ft. between 3rd car bay and two-car garage	2 ft. between 3rd car bay and two-car garage

1 Items in italics represent modifications to City Zoning Ordinance standards

2 Sidewalk separated from back of curb by 5-foot planter strip

3 Front setback (and side setback where adjacent to street) measured from back of walk. If no sidewalk is present, setbacks measured from back of curb. Minimum separation between two-story elements shall be 10 ft.

4. A DRRS permit (required for neighborhoods greater than 7 du/ac) will be used to ensure compliance with the standards above.

5. Fence side yard setback is 5' from back of walk where facing a street with an attached sidewalk. Fence side yard setback is 2.5' from back of walk where facing a street with a detached sidewalk.

PC EXHIBIT H

VILLAGE ANALYSIS:

VILLAGE	LAND USE	ZONING	ACRES	UNITS	MIN. LOT SIZE	CUT / FILL	DENSITY
JM-40	MDR (Residential)	RS/DS	5.6 (4.6 NET)	35	45'x80'	0,000 / 0,000	7.6 (NET)

Tentative Subdivision Map No. 4 of The Villages at Sierra Vista:

VILLAGE JM-40

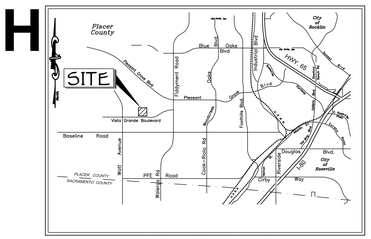
A PORTION OF SECTIONS 35 AND 36, T. 11 N., R. 5 E., M.D.M.

City of Roseville, State of California
Scale 1" = 100' May 2020

Sheet 1 of 3

Project Address - 1690 Vista Grande Boulevard
File No. - PL20-0103





VICINITY MAP

OWNERS:
MOURIER INVESTMENTS, LLC
1430 BLUE OAKS BOULEVARD, SUITE 190
ROSEVILLE, CA 95747
PH. (916) 969-2942

DEVELOPER:
JOHN MOURIER CONSTRUCTION, INC.
1430 BLUE OAKS BOULEVARD, SUITE 190
ROSEVILLE, CA 95747
PH. (916) 969-2942

ENGINEER:
BAKER-WILLIAMS ENGINEERING GROUP
6020 RUTLAND DRIVE, SUITE 19
CARMICHAEL, CALIFORNIA 95608
PH. (916) 331-4336

ASSESSOR'S PARCEL NUMBER:
498-010-024 AND 498-010-034

ACREAGE:
16.0 ACRES ±

PROPOSED IMPROVEMENTS:
AS REQUIRED BY THE CITY OF ROSEVILLE DEPARTMENT OF PUBLIC WORKS

EXISTING USE:
VACANT LAND

SEWER:
CITY OF ROSEVILLE

WATER SUPPLY:
CITY OF ROSEVILLE

DRAINAGE:
CITY OF ROSEVILLE

FIRE PROTECTION:
CITY OF ROSEVILLE

SCHOOL DISTRICT:
ROSEVILLE SCHOOL DISTRICT

PARK DISTRICT:
ROSEVILLE PARKS DISTRICT

GRADING LEGEND

NAME	EXISTING	PROPOSED
MANHOLE	○	●
SANITARY SEWER PIPE	18" S.S.	18" S.S.
STORM DRAIN PIPE	18" S.D.	18" S.D.
WATER PIPE	12" W	12" W
DROP INLET	▭	▪
FIRE HYDRANT		
MASONRY RETAINING WALL		
SWALE		
CONTOUR	200	
EDGE OF PAVEMENT		
CURB, GUTTER & SIDEWALK		
RIGHT-OF-WAY	R/W	R/W
CENTER LINE	℄	℄
PROPERTY LINE		
SLOPE BANK		
TOP BACK OF WALK ELEVATION		178.0
SPOT ELEVATION	173.72	222.50
PAD GRADE		221.0
DRAINAGE DIRECTION FLOW		

North

100' 0' 100' 200' 300'
GRAPHIC SCALE: 1"=100'

LAND USE ANALYSIS:

PARCEL	EXISTING GENERAL PLAN LAND USE	PROPOSED GENERAL PLAN	EXISTING ZONING	PROPOSED ZONING	ACRES/SPECIFIC PLAN	ACRES/TENTATIVE MAP	ALLOCATED UNITS	PROPOSED UNITS	AVAILABLE UNITS	DENSITY/SPECIFIC PLAN	DENSITY/TENTATIVE MAP
JM-40	CC(CMU)	MDR (Residential)	CC (CMU)	RS/DS	5.7	5.6 (4.6 NET)	40	35	+5	7.1	7.6 (NET)
JM-30	HDR	HDR	HDR-21.2	HDR-21.8	7.5	7.5	159	164	-5	21.2	23.4
TOTALS					13.2	13.1	199	199	0		

JMC HOMES
JOHN MOURIER CONSTRUCTION INC.
1430 Blue Oaks Blvd. Ste 190
Roseville, Ca 95747-7143
Office: 916-782-8879 Fax: 916-960-5322
CALIFORNIA LIC. 613004 B

BAKER-WILLIAMS ENGINEERING GROUP
Engineering / Surveying / Land Planning / Entitlement Processing / GPS Services
6020 Rutland Drive, Suite 19 ~ Carmichael CA 95608
(916) 331-4336 ~ fax (916) 331-4430 ~ office@bwengineers.com

Tentative Subdivision Map No. 4 of The Villages at Sierra Vista:

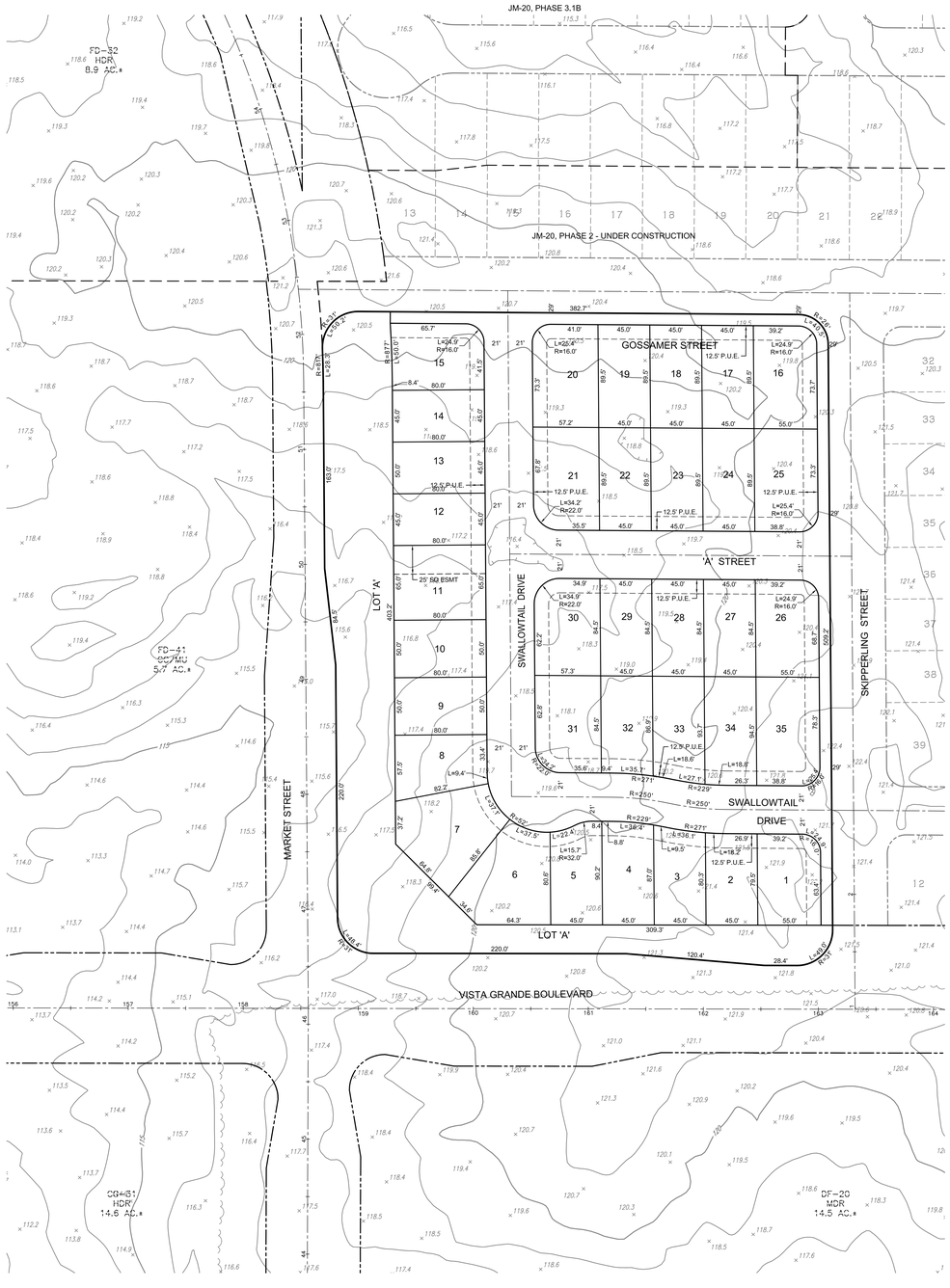
VILLAGE JM-40

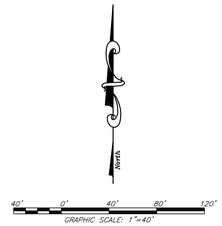
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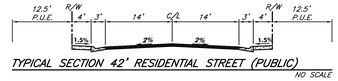
City of Roseville, State of California
Scale 1" = 40' May 2020

Sheet 2 of 3

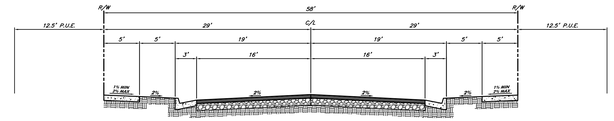
Project Address - 1690 Vista Grande Boulevard
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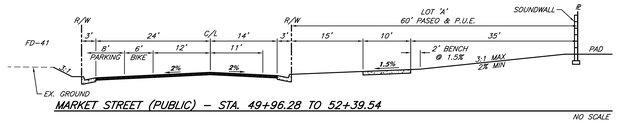




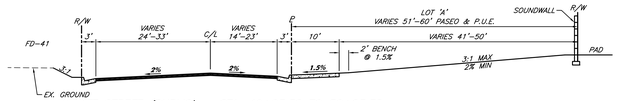
TYPICAL SECTION 42' RESIDENTIAL STREET (PUBLIC)
NO SCALE



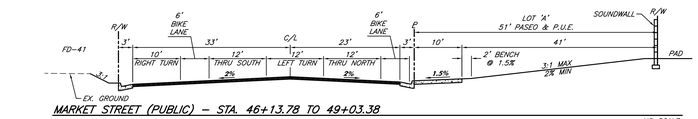
TYPICAL SECTION 58' RESIDENTIAL STREET (PUBLIC)
GOSSAMER STREET AND SKIPPERLING STREET
NO SCALE



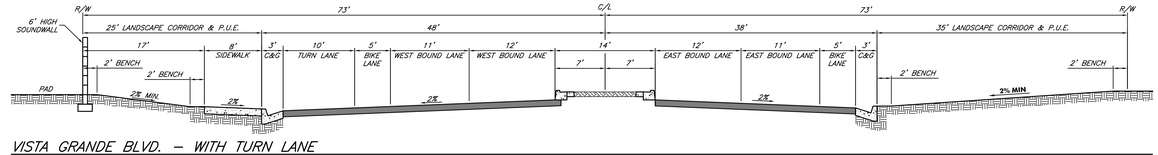
MARKET STREET (PUBLIC) – STA. 49+96.28 TO 52+39.54
NO SCALE



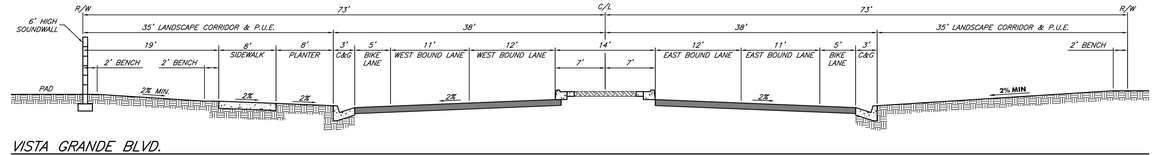
MARKET STREET (PUBLIC) – STA. 49+03.38 TO 50+23.38
NO SCALE



MARKET STREET (PUBLIC) – STA. 46+13.78 TO 49+03.38
NO SCALE



VISTA GRANDE BLVD. – WITH TURN LANE
NO SCALE



VISTA GRANDE BLVD.
NO SCALE

NOTES: LETTERED LOTS

LOT A PUBLIC LANDSCAPE STRIP TO BE IRREVOCABLY OFFERED FOR DEDICATION IN FEE TO CITY OF ROSEVILLE.

S:\BIM\S Jobs\2018 Jobs\18-03-010 Sierra Vista TM\Plotting\18030103-TENT-MAP-JM-40.dwg, SHT 2 - TENT - JM-40, 10/19/2020 7:25:42 AM, David Cobbs

JOB NO. 18-03-010 - JM-40 - TENTATIVE MAP

Tentative Subdivision Map No. 4 of The Villages at Sierra Vista:

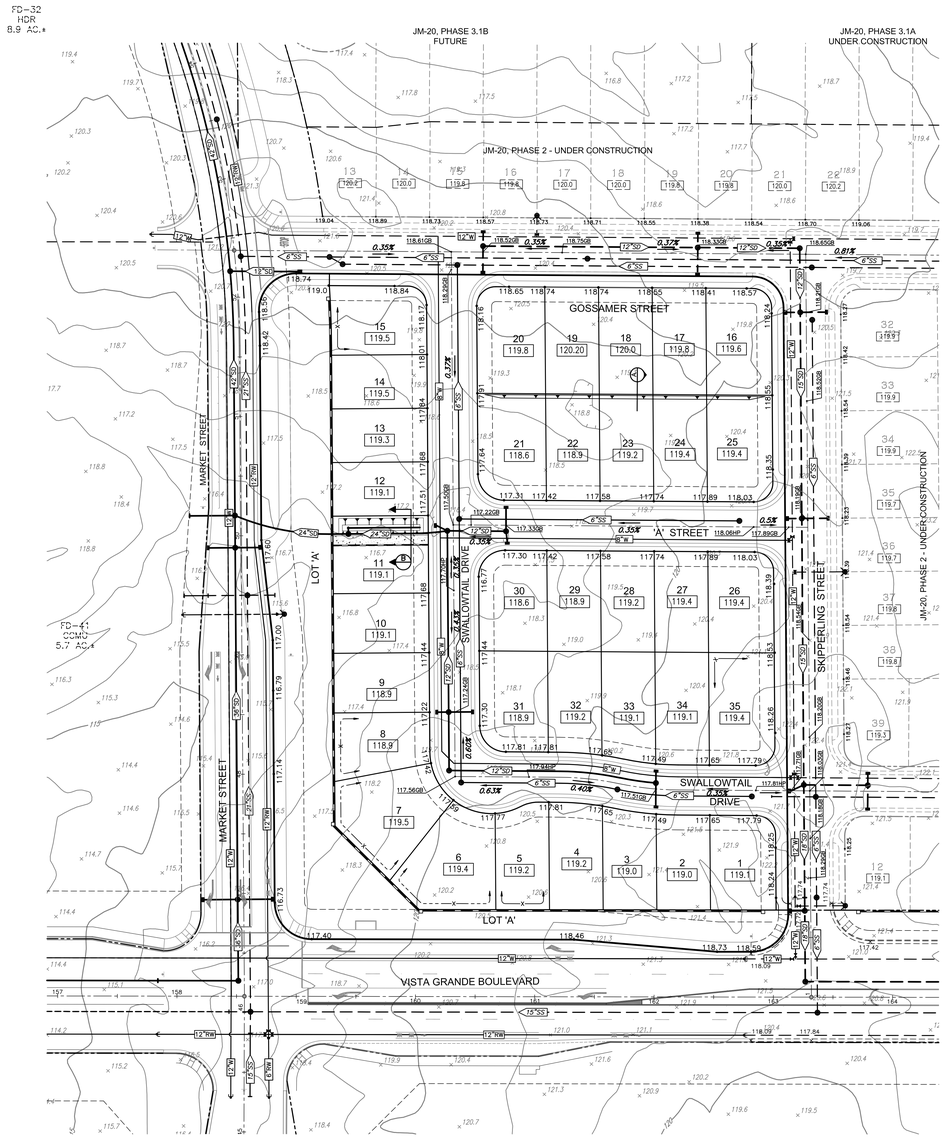
VILLAGE JM-40

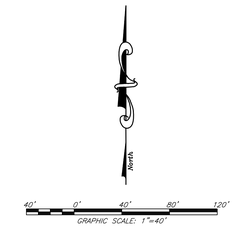
A PORTION OF SECTIONS 35 AND 36, T. 11 N., R. 5 E., M.D.M.

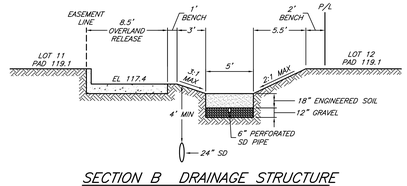
City of Roseville, State of California
Scale 1" = 40' May 2020

Sheet 3 of 3

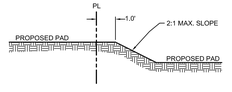
Project Address - 1690 Vista Grande Boulevard
File No. - PL20-0103



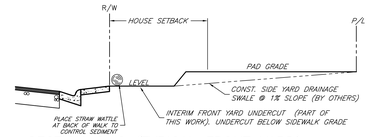




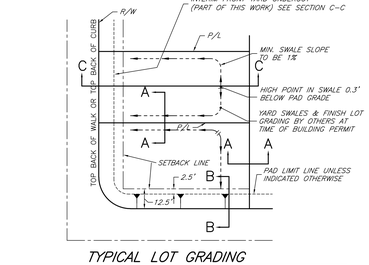
SECTION B DRAINAGE STRUCTURE
NO SCALE



SECTION A-A
TYPICAL SECTION WHERE THERE IS A STEP BETWEEN PADS
NO SCALE



SECTION C-C (TYPICAL FRONT YARD)
NO SCALE

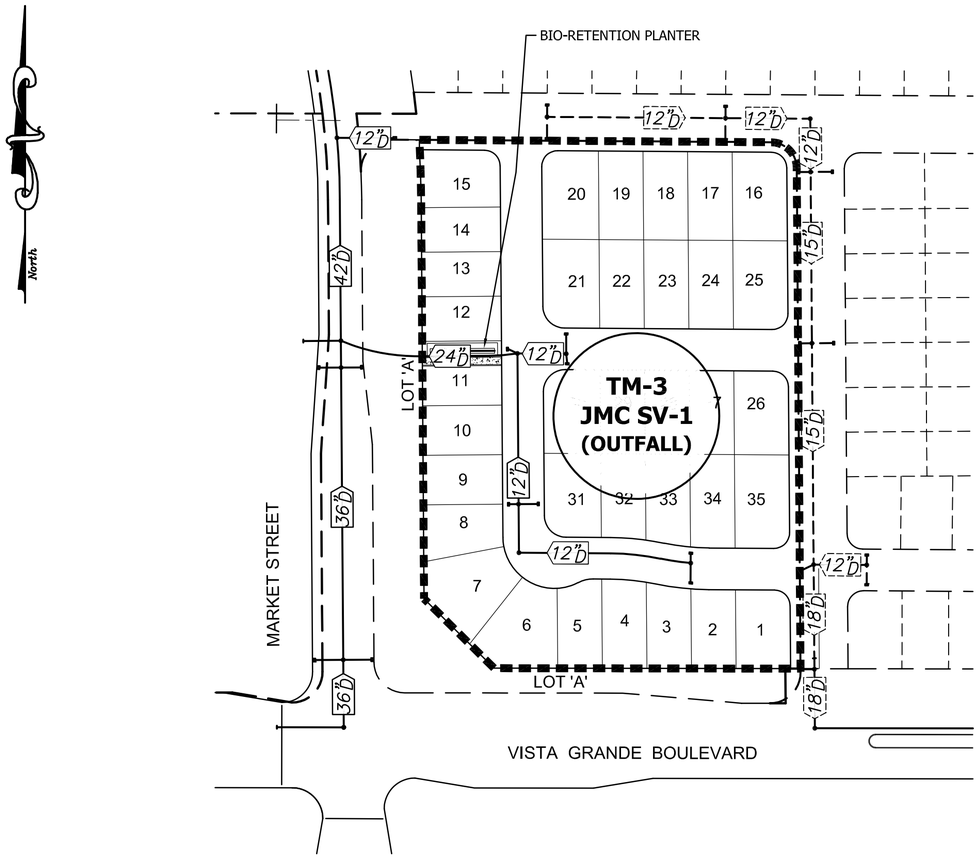


TYPICAL LOT GRADING
NO SCALE

NOTES:
1. ALL UNUSED UTILITY STUBS SHALL BE ABANDONED PER CITY OF ROSEVILLE STANDARDS.
2. IF NOT ALREADY CONSTRUCTED, MARKET STREET IMPROVEMENTS SHALL BE CONSTRUCTED FROM VISTA GRANDE BLVD. TO SIERRA GLEN DRIVE.

S:\BIM\DWG Jobs\2018 Jobs\18-0410 Sierra Vista 7\NDP\working\18-0410-7-TENT-MAP-JM-40.dwg, SHT 3 - PREL GRAD, - JM-40, 10/16/2020 7:54:01 AM, David Cobbs

JOB NO. 18-0410 - - JM-40 - PRELIMINARY GRADING PLAN



SHED TM-3, JMC-SV-1 (MDR, 35 LOTS)

	EXISTING	PROPOSED
PERVIOUS AREA	199,243 SF	99,622 SF
IMPERVIOUS AREA	0 ACRES	99,621 SF

TREATMENT CONTROL MEASURES

L.I.D.:

1) DISCONNECTED ROOF DRAINS 47,250 S.F.
2) TREE PLANTING 105 EA.
3) DETACHED SIDEWALKS 2,960 S.F.

END OF PIPE TREATMENT:

2) CONVEYANCE GRASSY SWALE AND DETENTION BASIN THROUGH FD-85C OPEN SPACE TO RECEIVING WATER.
1) BIO-RETENTION PLANTER BOTTOM SURFACE AREA 310 SF TOP SURFACE AREA 816 SF

NOTE

STORM WATER QUALITY COMPLIANCE FOR SIERRA VISTA VILLAGE JM-40 WILL CONFORM TO THE AMENDMENT TO THE SVSP MASTER DRAINAGE PLAN FOR THE STORM WATER QUALITY MANAGEMENT PLAN PREPARED BY CIVIL SOLUTIONS DATED FEBRUARY 20, 2018

PRELIMINARY DRAINAGE SHED MAP

SVSP - VILLAGE JM-40

CITY OF ROSEVILLE, CALIFORNIA

SEPTEMBER, 2020 SCALE: 1"=100'

SHEET 1 OF 1

JM-40 SHED MAP – 18-03-010

S:\BWEG Jobs\2018 Jobs\18-03-010 Sierra Vista TM3\Planning\18030010-JM-40-SQW-SHED-MAP.dwg, SHEET 1, 9/18/2020 12:28:16 PM, David Cobbs

PC EXHIBIT I

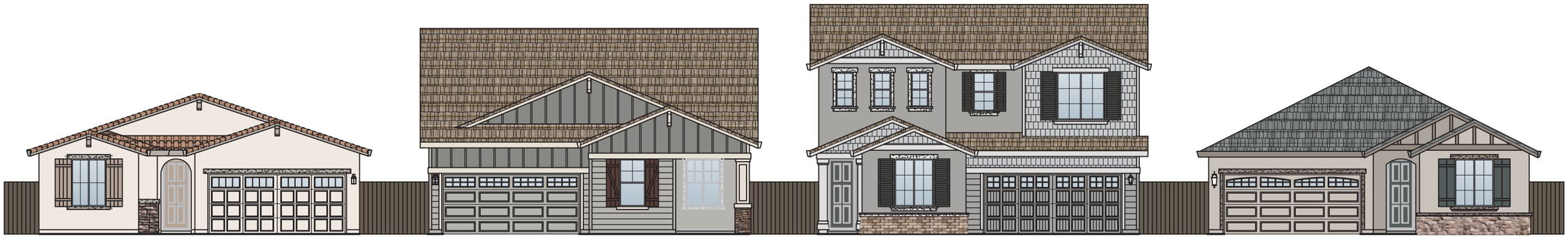
SVSP JM-40 Subdivision; File PL20-0103

DEVELOPMENT FEATURE	PROPOSED
Lot Size (minimum)	
Area, Interior Lot	3,000
Area, Corner Lot	3,300 sf
Width, Interior Lot	45 ft
Width, Corner Lot	52.5 ft.
Permitted Density (maximum per lot)	
Residential Density	1 dwelling; 1 second unit
Setbacks (minimum)	
Front Yard Setback	12.5 ft. to living space/porch; 18' min. driveway depth with roll up garage door
Side Yard Setback	4 ft. interior lot, 12.5 ft. – street side of corner lot
Rear Yard Setback	10 ft. to 1st story wall 15 ft. to 2nd story wall
Coverage (maximum)	
Site Coverage	None & no minimum useable open space required
Height (maximum)	
Height	35 ft.

Other Provisions	**Proposed**
Front Yard Stagger	None required, but optional per unit design
2nd story wall separation	8 ft.
Two Story Mix	No limit
Stagger for 3rd Car Garage	2 ft. feet between third car bay and two car garage

Additional Design Standards
Street facing elevations shall have a single story element or enhanced treatment with grid and trim at windows and incorporation of decorative trim details and variation of colors similar to the front elevation on the two story elements.
The front façade shall incorporate a minimum of two building façade element breaks with varied depth. Two story homes to have a variety of one and two story components. All two story homes shall incorporate a covered porch element ~~to be a minimum of 6 feet deep (measured from the front edge of the column to the wall) with a decorative railing.~~ of at least 50 sf or a covered single-story entry with single story living space at the front of the home.
The exterior building materials shall include: • A minimum of three elevations per plan with at least one elevation style to be other than stucco; • Each elevation to have distinct design elements such as column style, siding, masonry, architectural details, roofing, etc; • All homes to be finished consistent with the approved colors and materials board with four paint colors; body, shadow, trim and accent; and • All windows, openings and gable vents to have trim appropriate to the architecture.
Adjacent lots shall have different plans or elevations.
All lots to have enhanced landscaping as shown on the approved landscape plan.
At least ~~70% of the homes~~ 40% of the two-story homes shall include a front porch.

PC EXHIBIT J



1412
SPANISH

1964
CRAFTSMAN

2184
CAPE COD

1343
FRENCH



2341
CAPE COD

1790
SPANISH

1570
CRAFTSMAN

1435
FRENCH

JM-40 STREETSCENE

ELEVATION 'A' MATERIAL



EAGLE ROOFING: PONDEROSA #5504 NEW CEDAR

ELEVATION 'B' MATERIAL



EAGLE ROOFING: PONDEROSA #5502 ARCADIA

ELEVATION 'C' MATERIAL



EAGLE ROOFING: PONDEROSA #5699 CHARCOAL RANGE



CORONADO STONE: SPECIAL UESD BRICK



CORONADO STONE: CLINKER BRICK



CORONADO STONE: QUICK STACK



CORONADO STONE: FRENCH COUNTRY VILLA

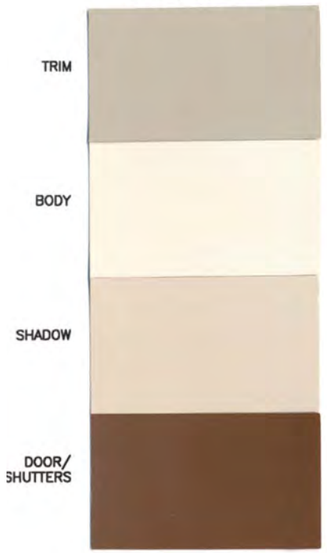
MATERIAL PALETTE

JMC HOMES

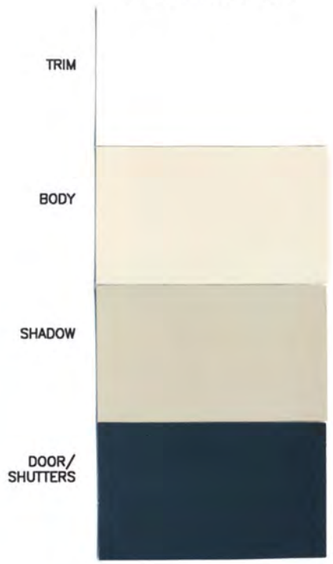
JOHN MOURIER CONSTRUCTION INC.
Roseville, California

SCHEME

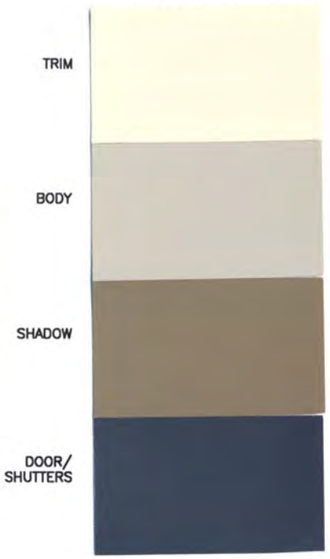
SCHEME F11



SCHEME F12



SCHEME F13



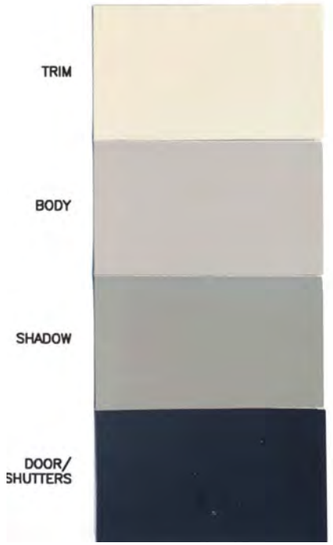
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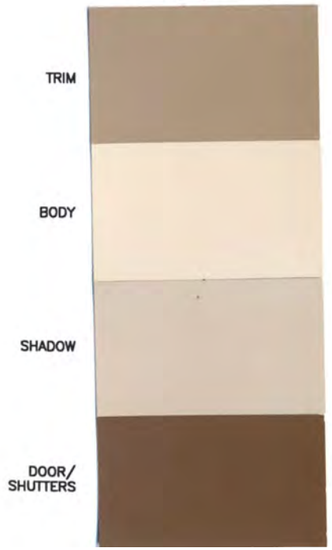
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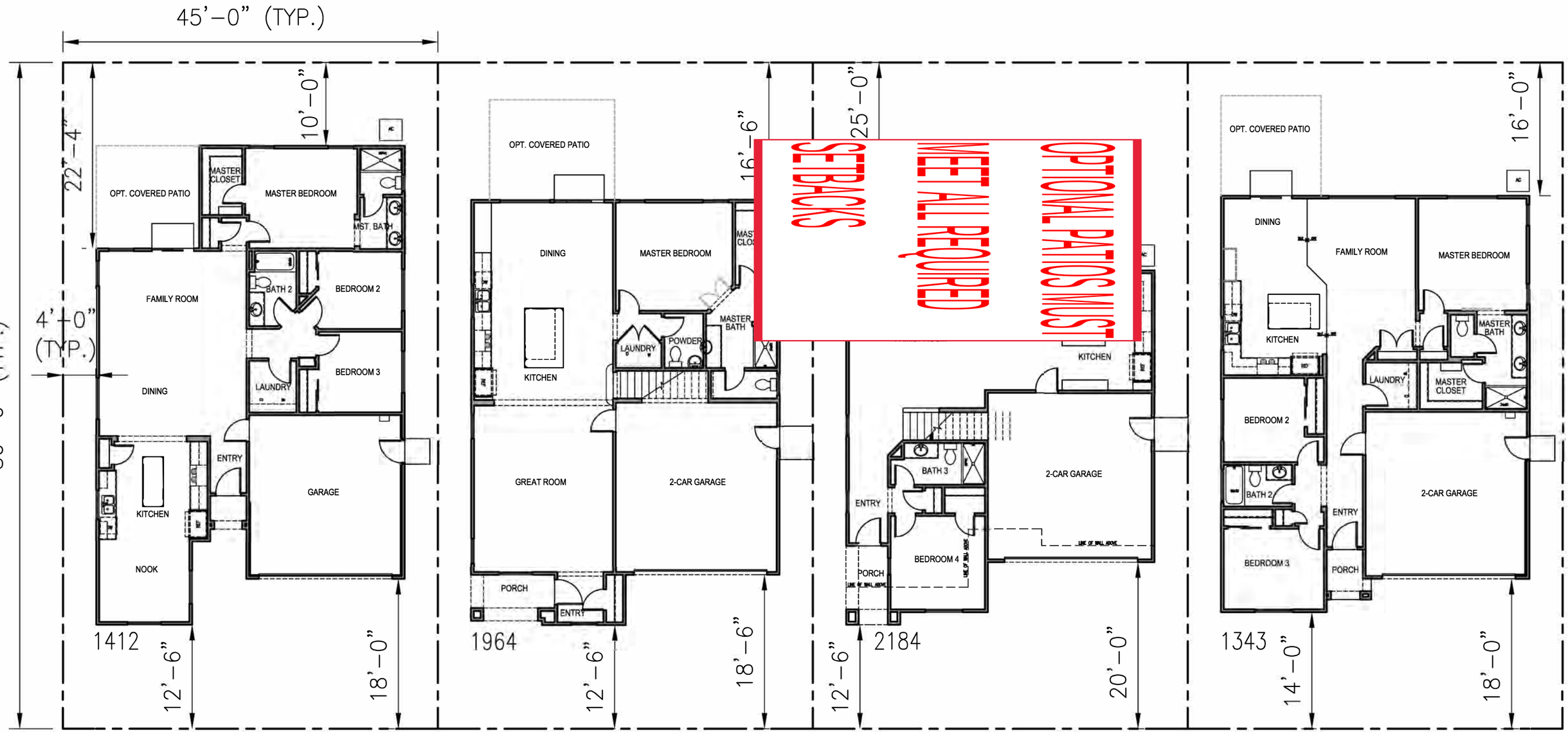


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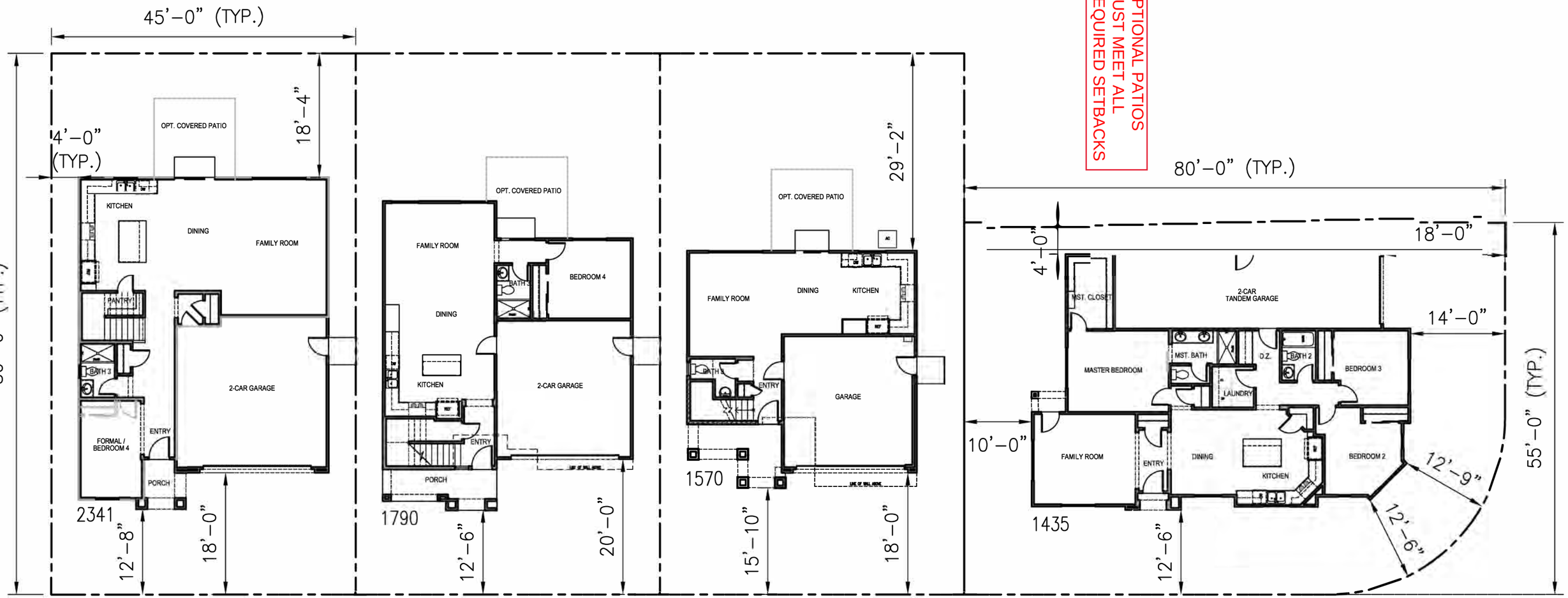


SCHEME F17



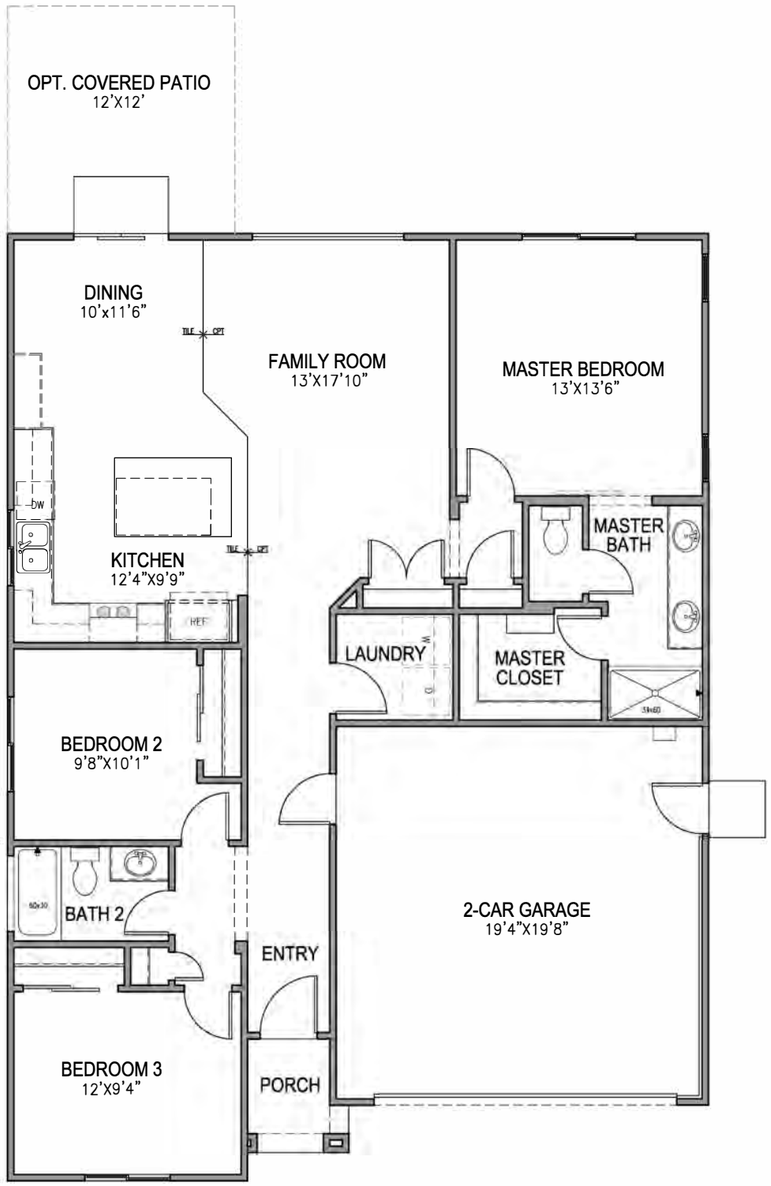


JM–40 TYPICAL LOT FIT 1



JM–40 TYPICAL LOT FIT 2

SPACE
FACE STREET OPEN
WALL ELEVATION CANNOT
NEIGHBOR SIDE GARAGE



FIRST FLOOR PLAN

SCALE: 1/8"=1'-0"

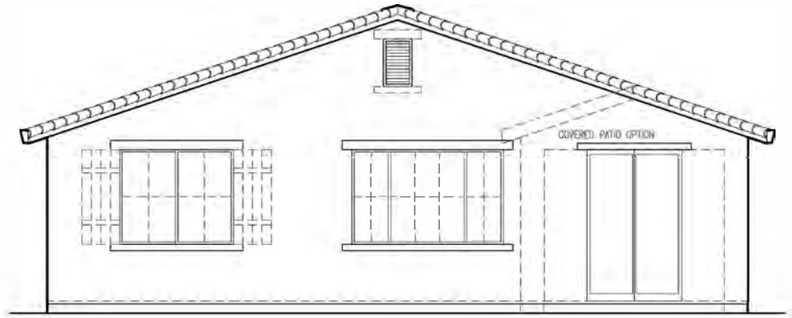
1343 FLOOR PLAN
SIERRA VISTA
JM-40

JMC HOMES

John Mourier Construction Inc.
Roseville, California

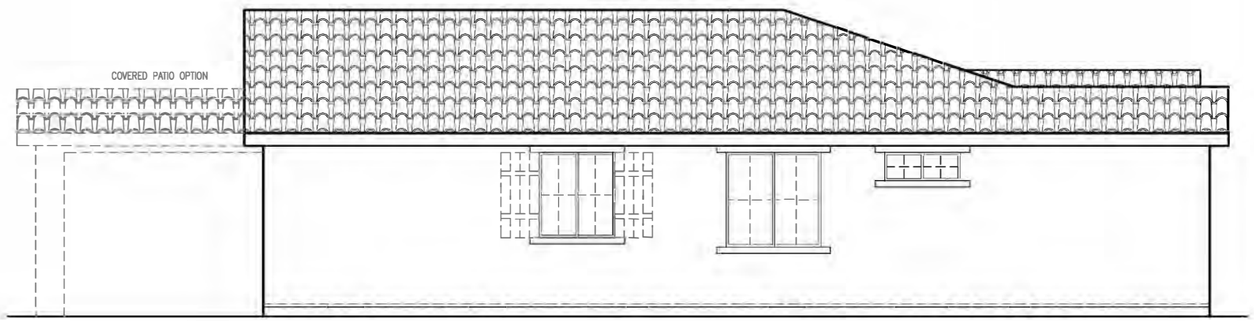


FRONT ELEVATION 'A'
SCALE: 1/8"=1'-0"

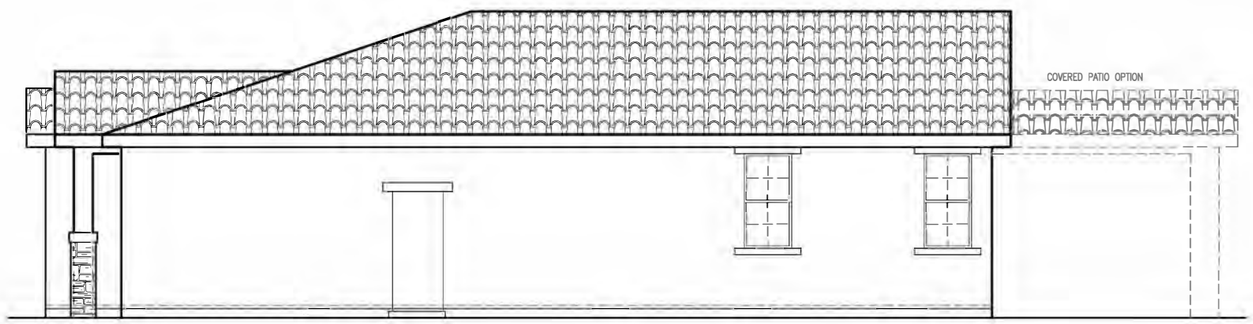


REAR ELEVATION 'A'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.



RIGHT ELEVATION 'A'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'A'
SCALE: 1/8"=1'-0"

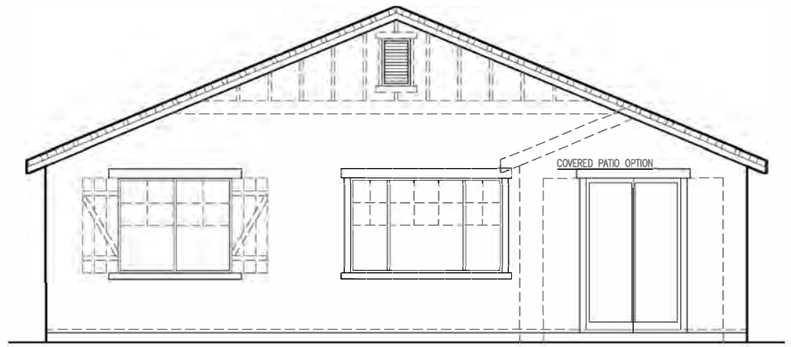
1343 'A' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES

John Mourier Construction Inc.
Roseville, California

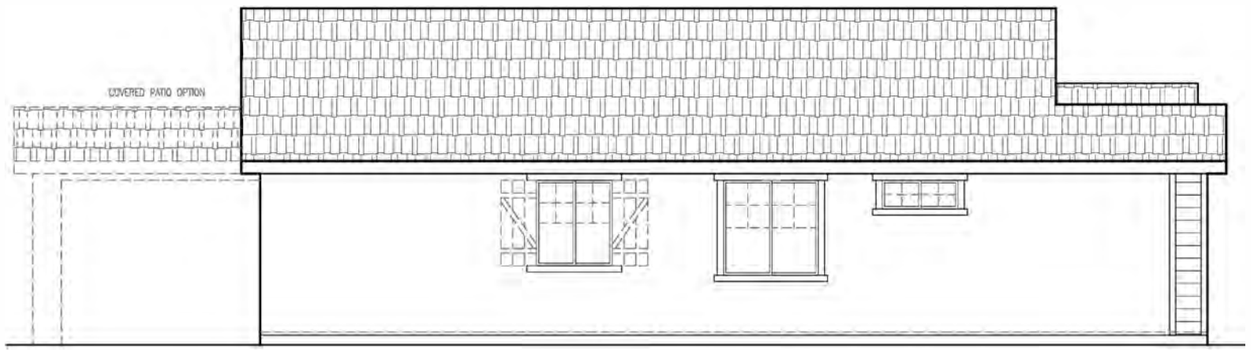


FRONT ELEVATION 'B'
SCALE: 1/8"=1'-0"

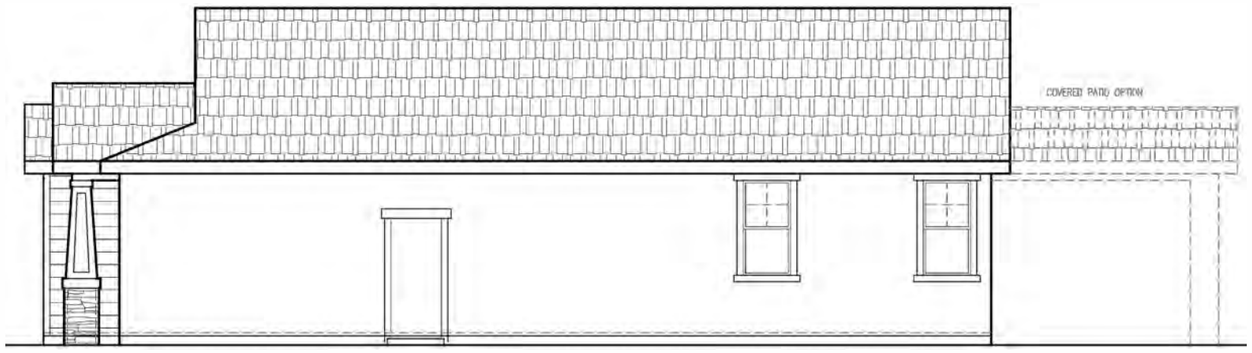


REAR ELEVATION 'B'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.



RIGHT ELEVATION 'B'
SCALE: 1/8"=1'-0"



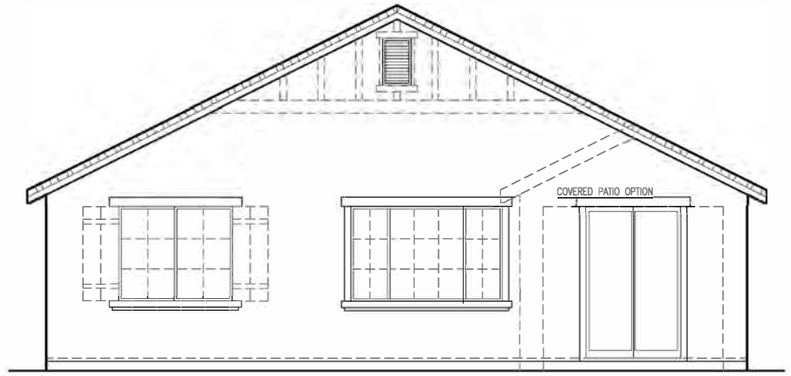
LEFT ELEVATION 'B'
SCALE: 1/8"=1'-0"

1343 'B' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES
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Roseville, California

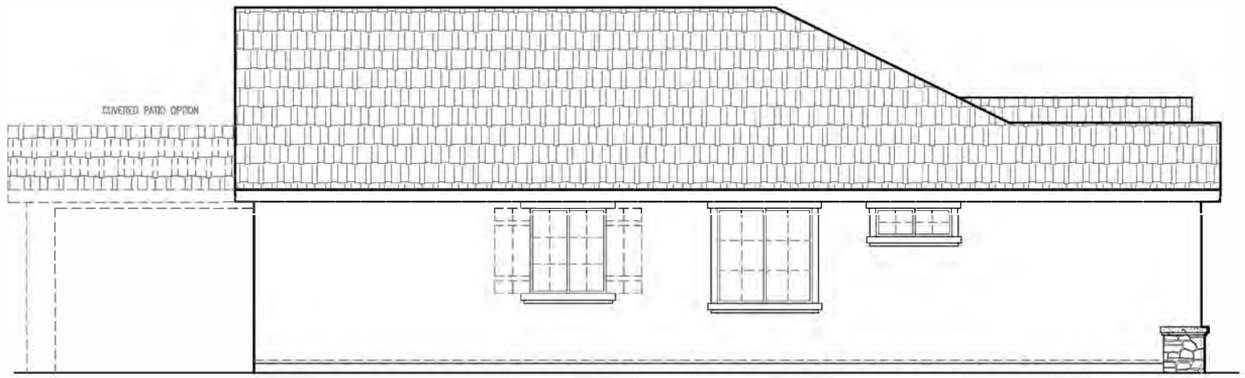


FRONT ELEVATION 'C'
SCALE: 1/8"=1'-0"

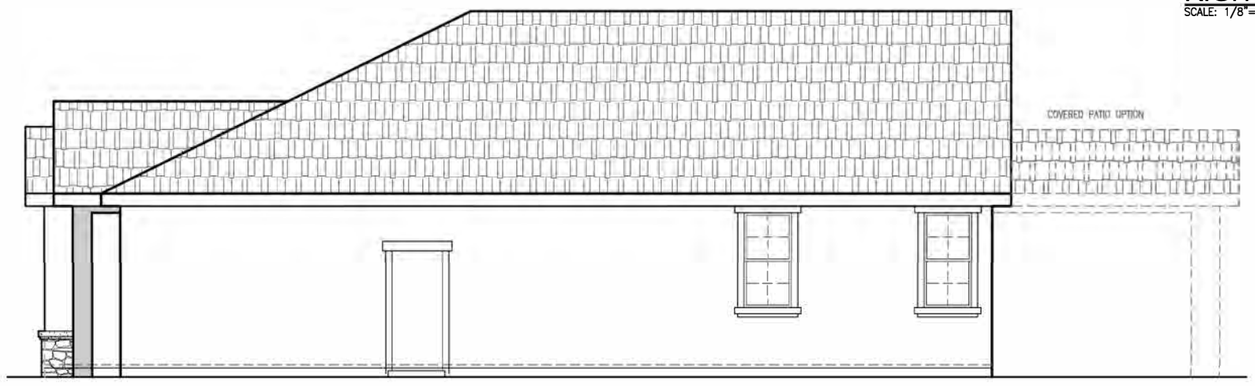


REAR ELEVATION 'C'
SCALE: 1/8"=1'-0"

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RIGHT ELEVATION 'C'
SCALE: 1/8"=1'-0"



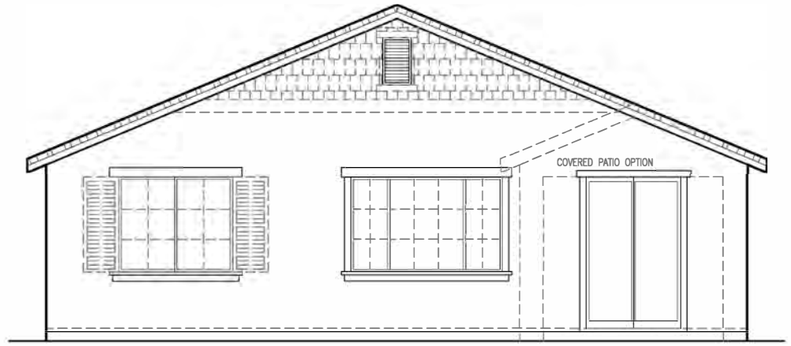
LEFT ELEVATION 'C'
SCALE: 1/8"=1'-0"

1343 'C' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES
John Mourier Construction Inc.
Roseville, California

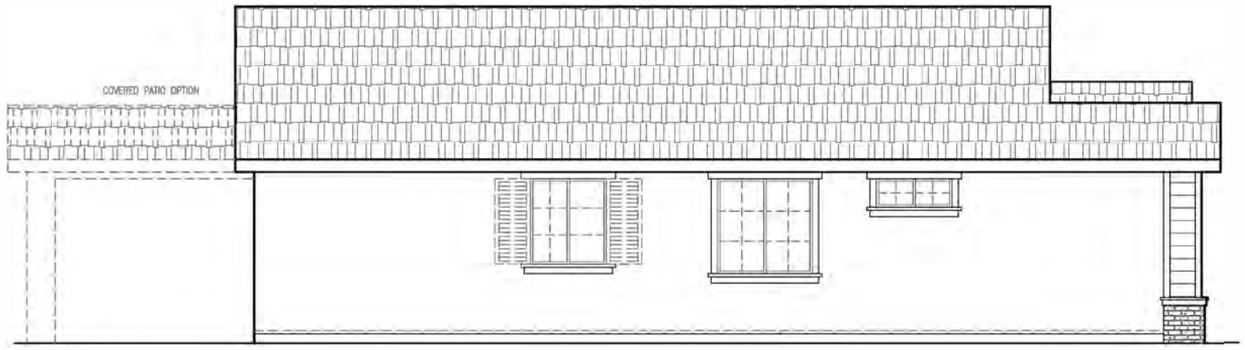


FRONT ELEVATION 'D'
SCALE: 1/8"=1'-0"

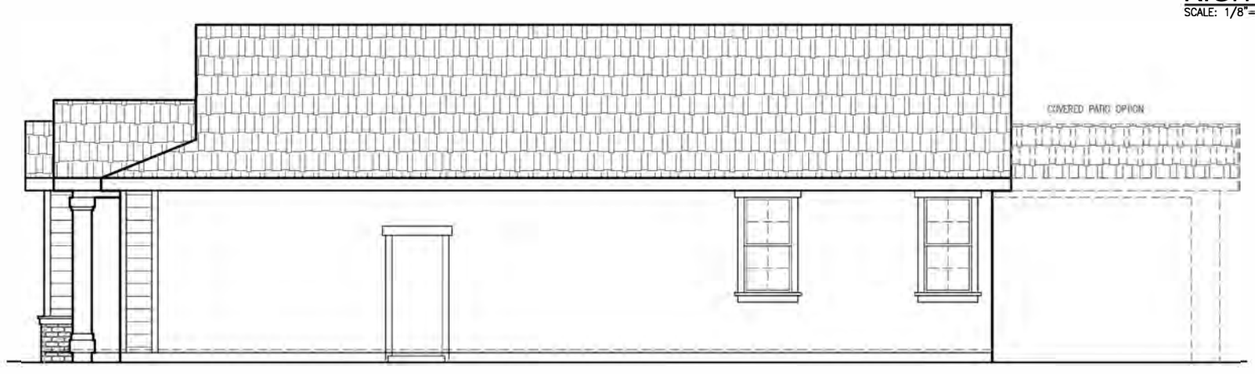


REAR ELEVATION 'D'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.



RIGHT ELEVATION 'D'
SCALE: 1/8"=1'-0"

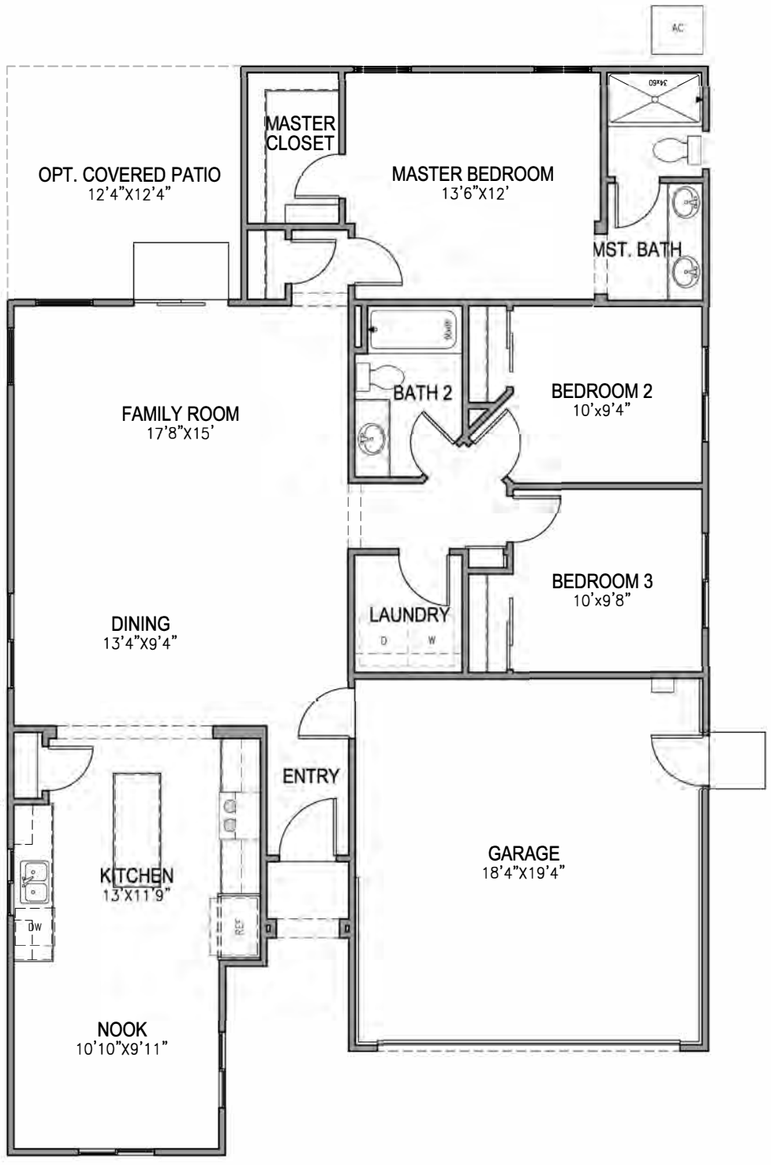


LEFT ELEVATION 'D'
SCALE: 1/8"=1'-0"

1343 'D' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES

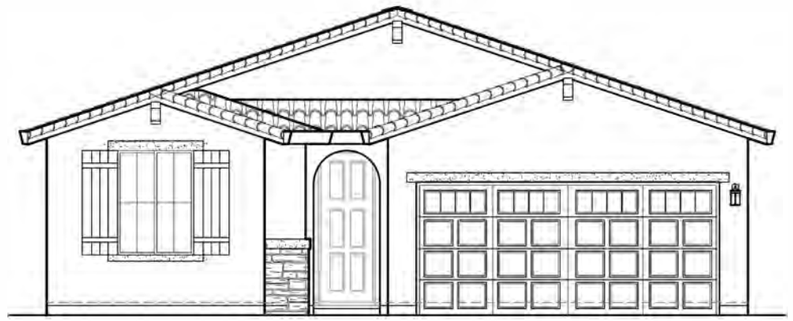
John Mourier Construction Inc.
Roseville, California



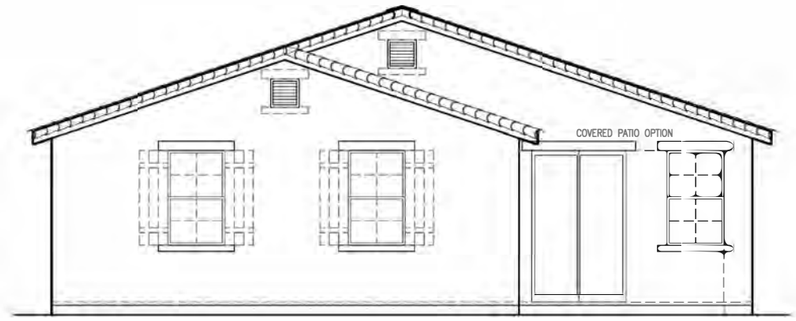
FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"

1412 FLOOR PLAN
SIERRA VISTA
JM-40

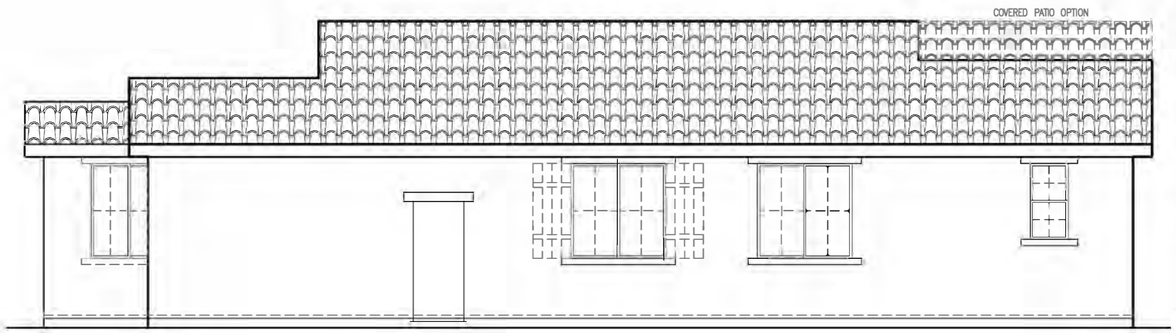
JMC HOMES
John Mourier Construction Inc.
Roseville, California



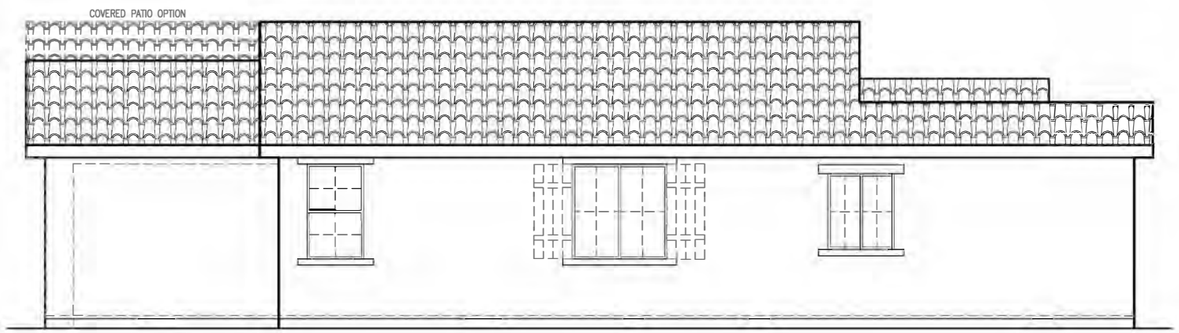
FRONT ELEVATION 'A'
SCALE: 1/8"=1'-0"



REAR ELEVATION 'A'
SCALE: 1/8"=1'-0"



RIGHT ELEVATION 'A'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'A'
SCALE: 1/8"=1'-0"

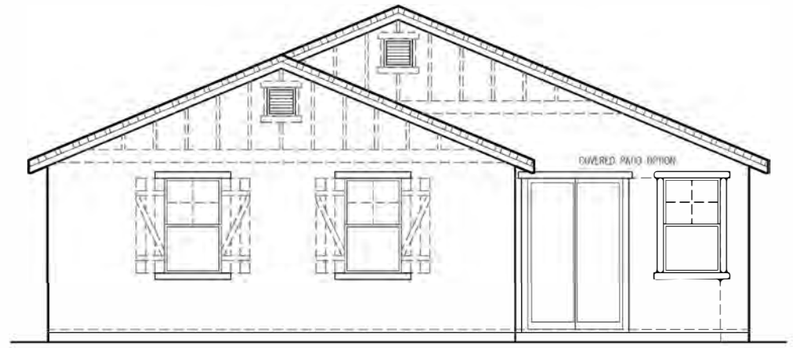
1412 'A' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES

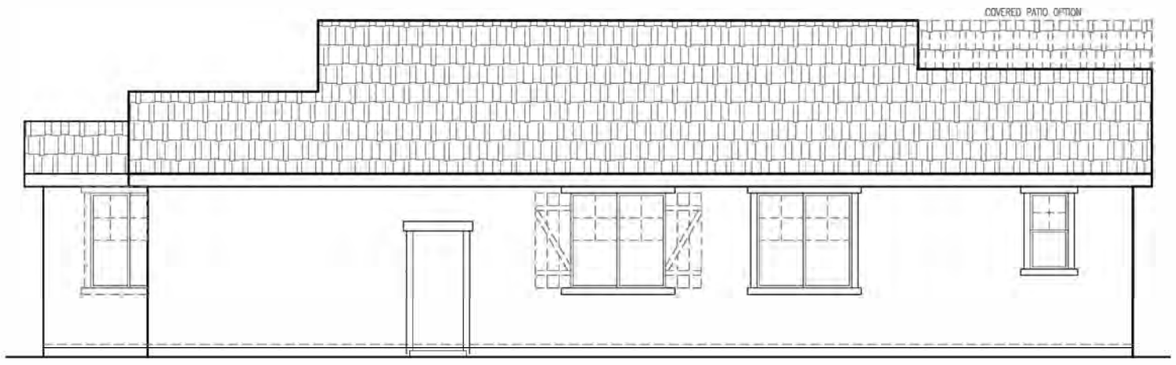
John Mourier Construction Inc.
Roseville, California



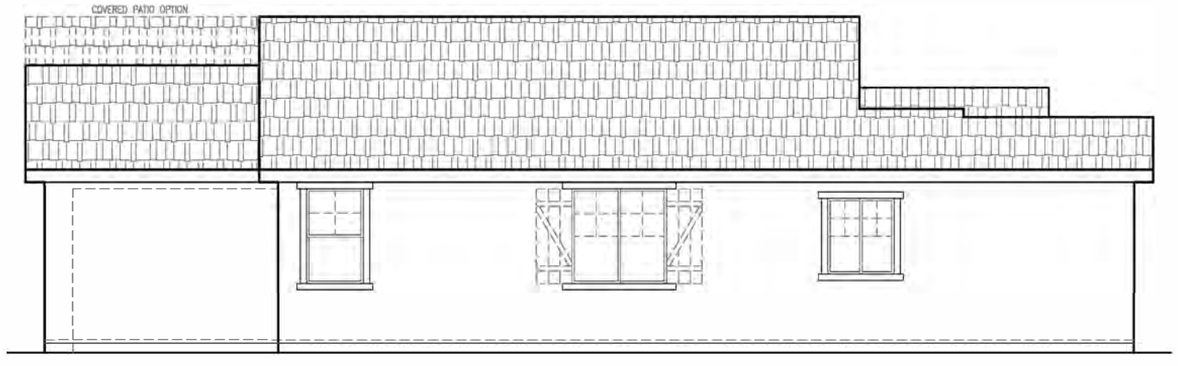
FRONT ELEVATION 'B'
SCALE: 1/8"=1'-0"



REAR ELEVATION 'B'
SCALE: 1/8"=1'-0"



RIGHT ELEVATION 'B'
SCALE: 1/8"=1'-0"



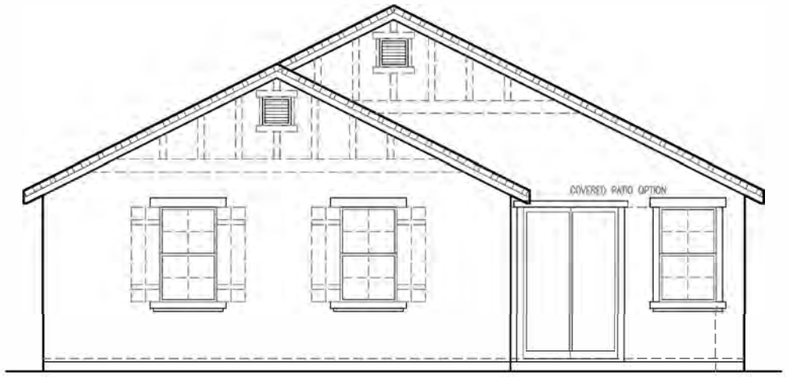
LEFT ELEVATION 'B'
SCALE: 1/8"=1'-0"

1412 'B' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES
John Mourier Construction Inc.
Roseville, California

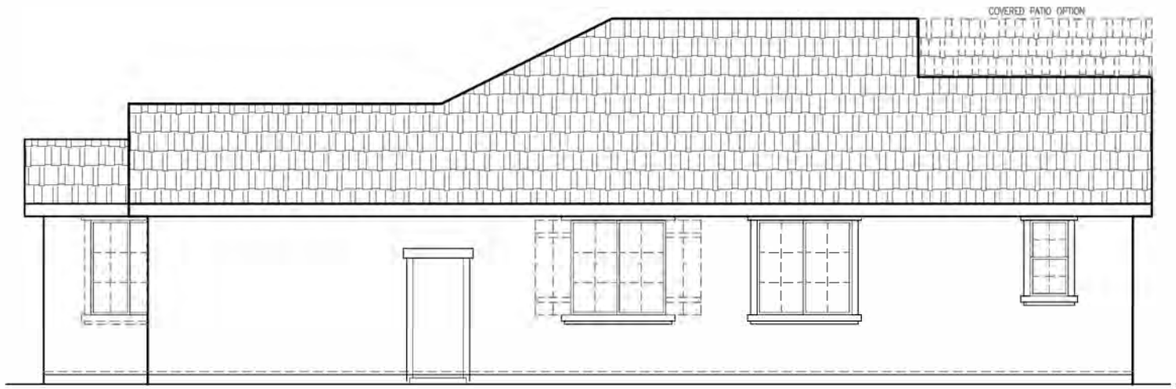


FRONT ELEVATION 'C'
SCALE: 1/8"=1'-0"

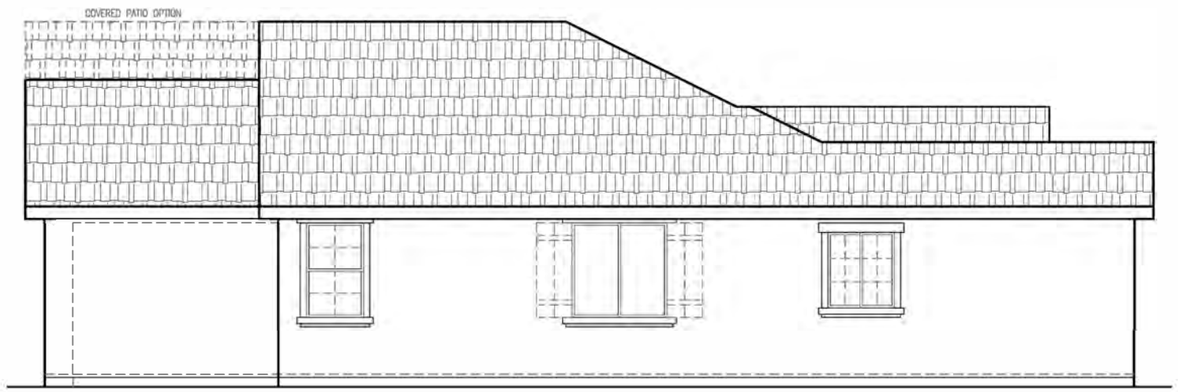


REAR ELEVATION 'C'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.



RIGHT ELEVATION 'C'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'C'
SCALE: 1/8"=1'-0"

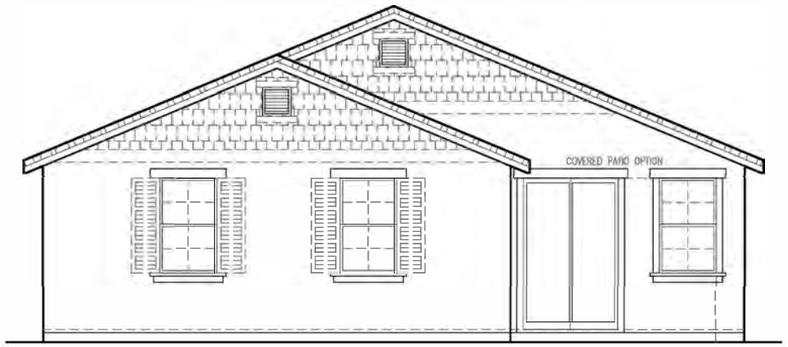
1412 'C' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES

John Mourier Construction Inc.
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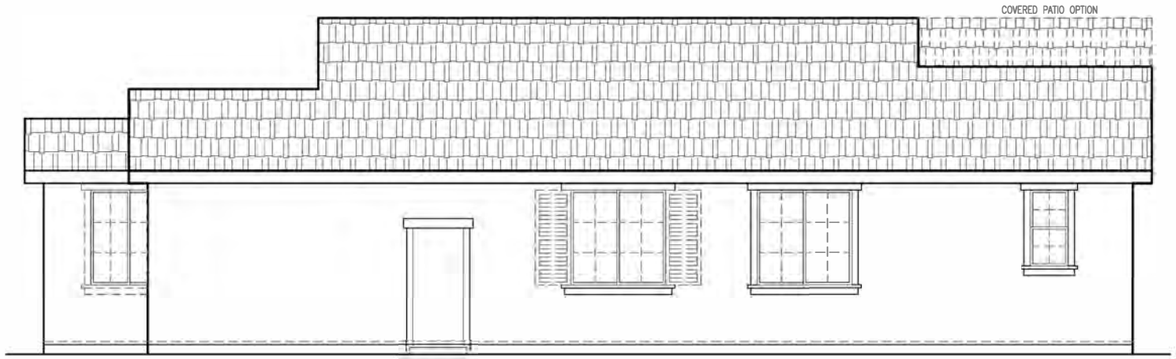


FRONT ELEVATION 'D'
SCALE: 1/8"=1'-0"

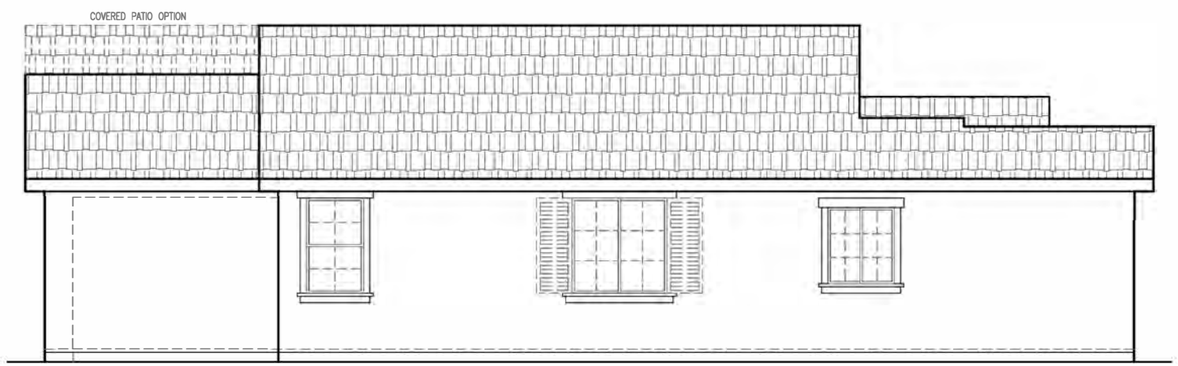


REAR ELEVATION 'D'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.



RIGHT ELEVATION 'D'
SCALE: 1/8"=1'-0"

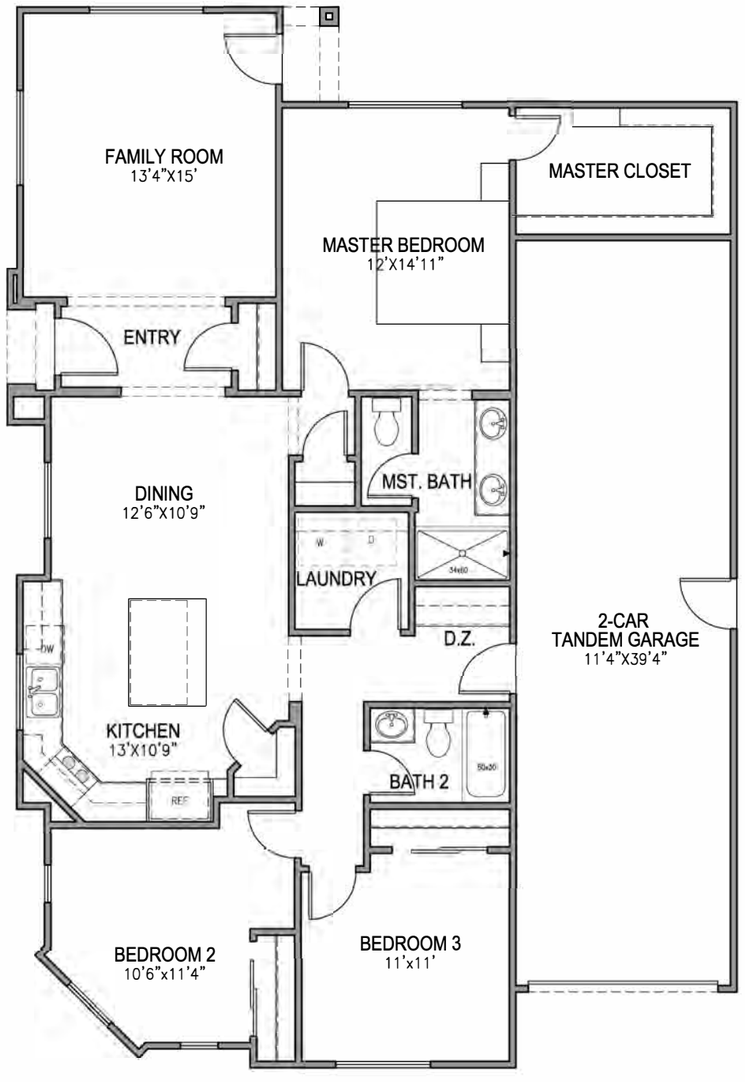


LEFT ELEVATION 'D'
SCALE: 1/8"=1'-0"

1412 'D' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES

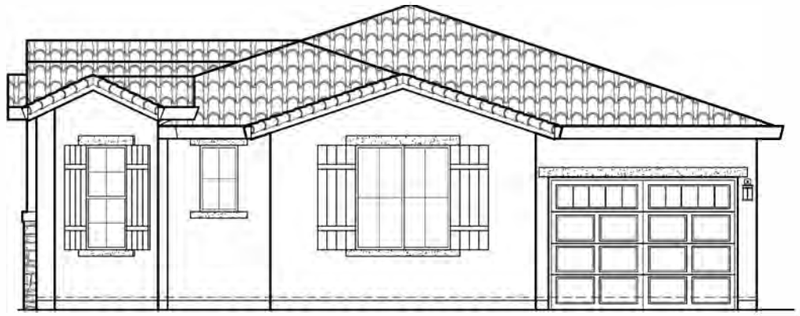
John Mourier Construction Inc.
Roseville, California



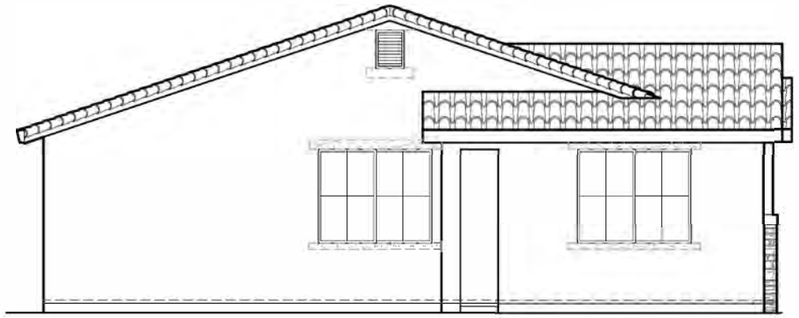
FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"

1435 FLOOR PLAN
SIERRA VISTA
JM-40

JMC HOMES
John Mourier Construction Inc.
Roseville, California

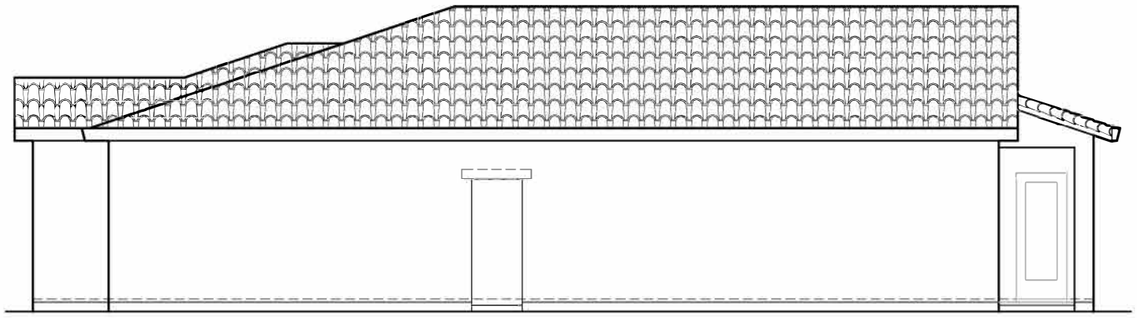


FRONT ELEVATION 'A'
SCALE: 1/8"=1'-0"



REAR ELEVATION 'A'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.



RIGHT ELEVATION 'A'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'A'
SCALE: 1/8"=1'-0"

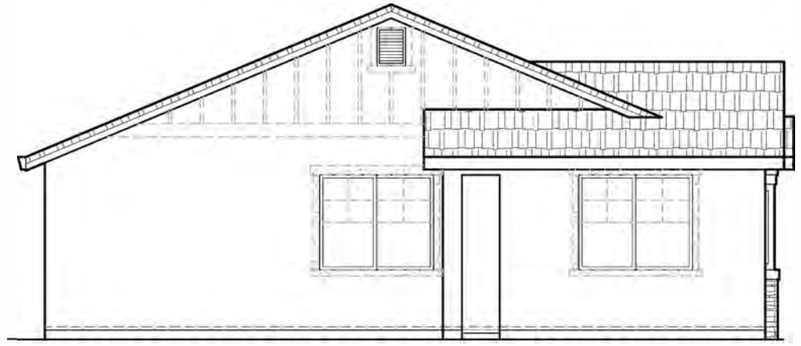
1435 'A' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES

John Mourier Construction Inc.
Roseville, California

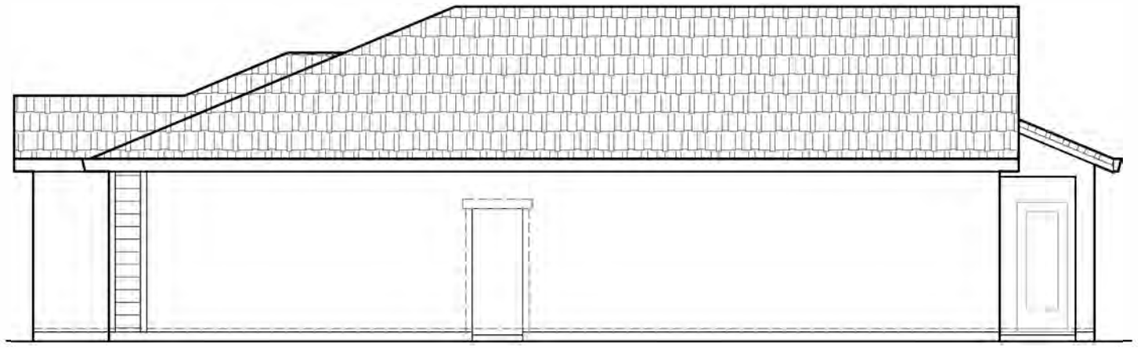


FRONT ELEVATION 'B'
SCALE: 1/8"=1'-0"



REAR ELEVATION 'B'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.



RIGHT ELEVATION 'B'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'B'
SCALE: 1/8"=1'-0"

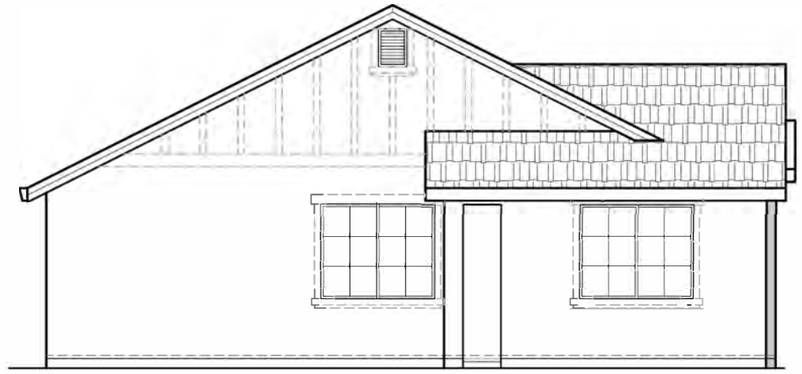
1435 'B' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES

John Mourier Construction Inc.
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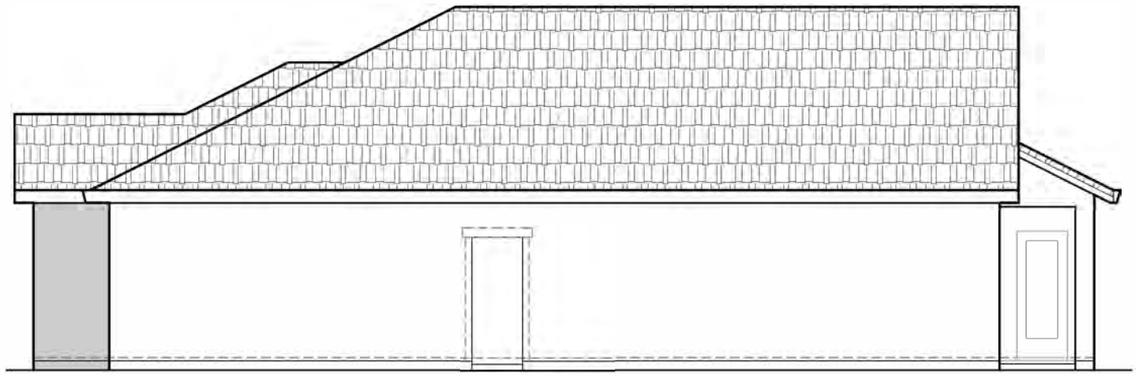


FRONT ELEVATION 'C'
SCALE: 1/8"=1'-0"



REAR ELEVATION 'C'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.



RIGHT ELEVATION 'C'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'C'
SCALE: 1/8"=1'-0"

1435 'C' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES

John Mourier Construction Inc.
Roseville, California

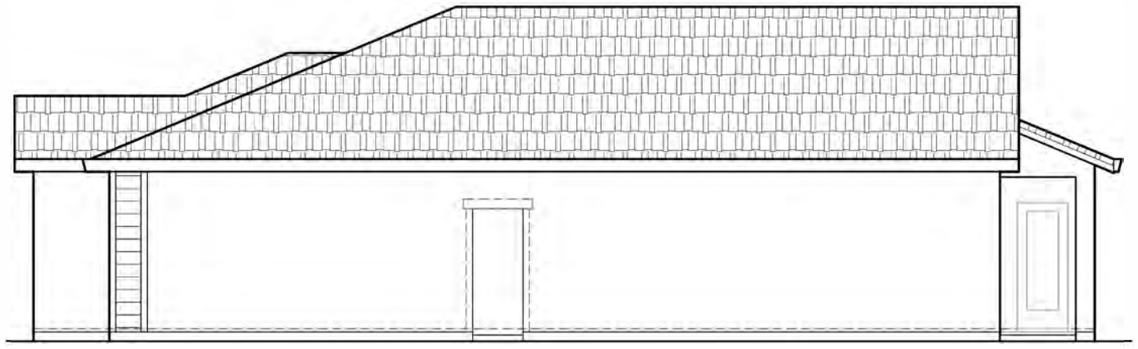


FRONT ELEVATION 'D'
SCALE: 1/8"=1'-0"



REAR ELEVATION 'D'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.



RIGHT ELEVATION 'D'
SCALE: 1/8"=1'-0"

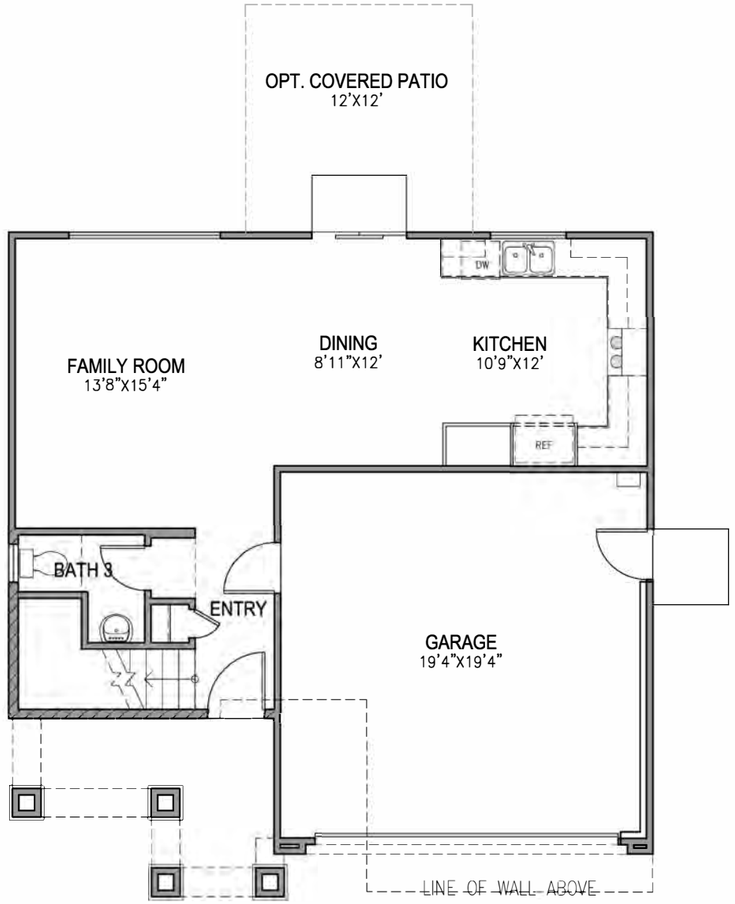


LEFT ELEVATION 'D'
SCALE: 1/8"=1'-0"

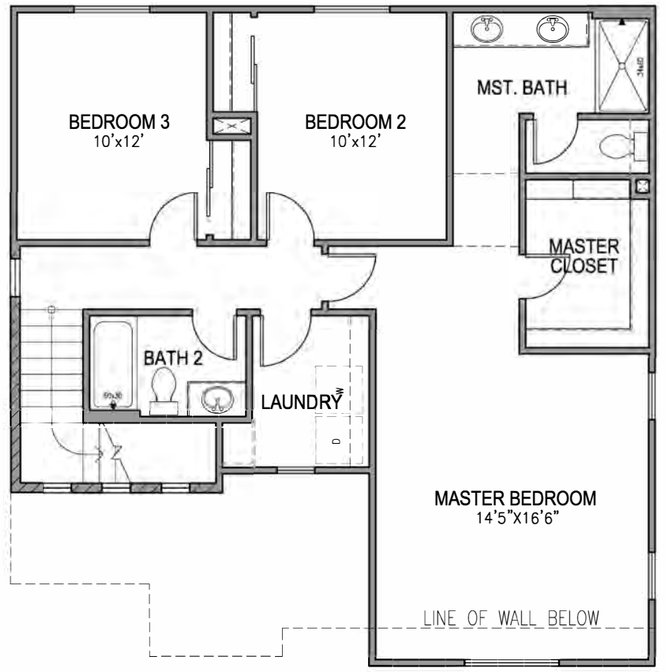
1435 'D' ELEVATIONS
SIERRA VISTA
JM-40

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FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"



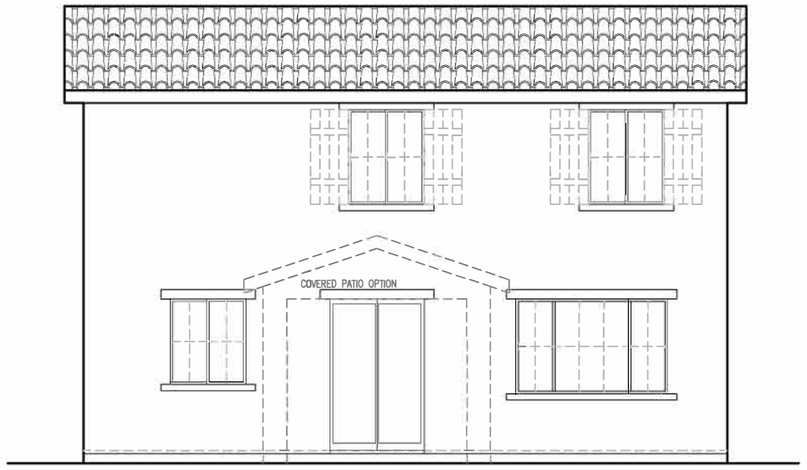
SECOND FLOOR PLAN
SCALE: 1/8"=1'-0"

1570 FLOOR PLAN
SIERRA VISTA
JM-40

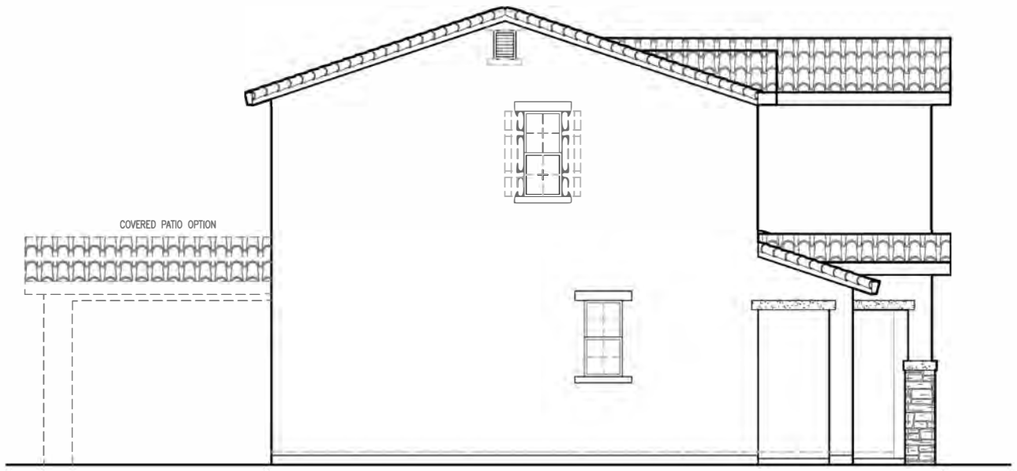
JMC HOMES
John Mourier Construction Inc.
Roseville, California



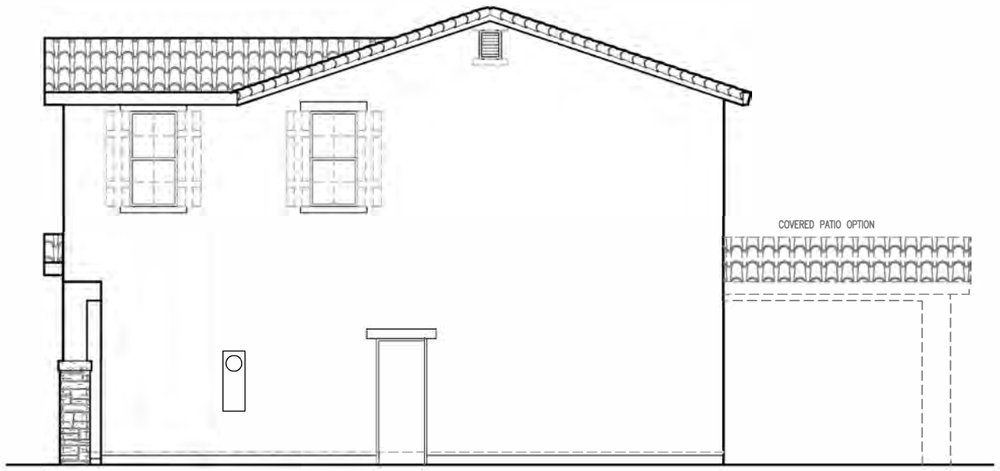
FRONT ELEVATION 'A'
SCALE: 1/8"=1'-0"



REAR ELEVATION 'A'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'A'
SCALE: 1/8"=1'-0"



RIGHT ELEVATION 'A'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.

1570 'A' ELEVATIONS
SIERRA VISTA
JM-40

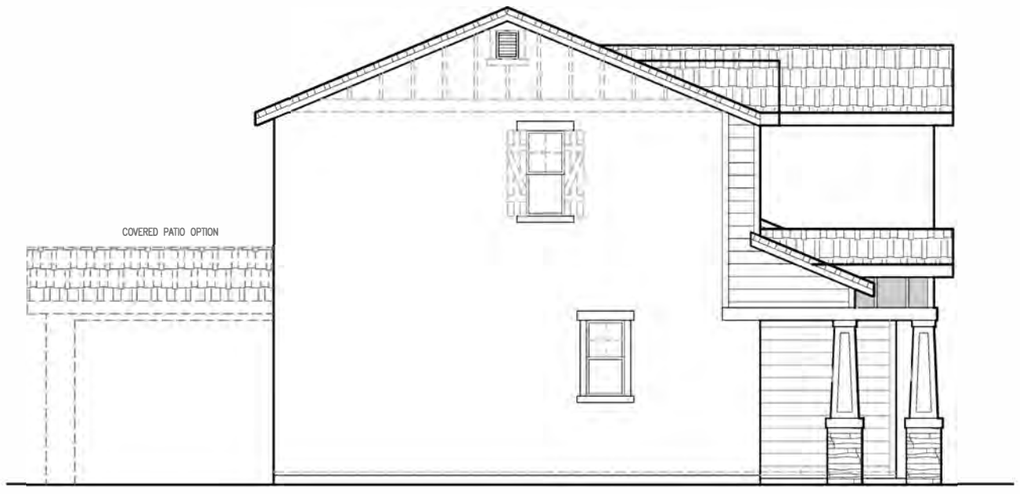
JMC HOMES
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Roseville, California



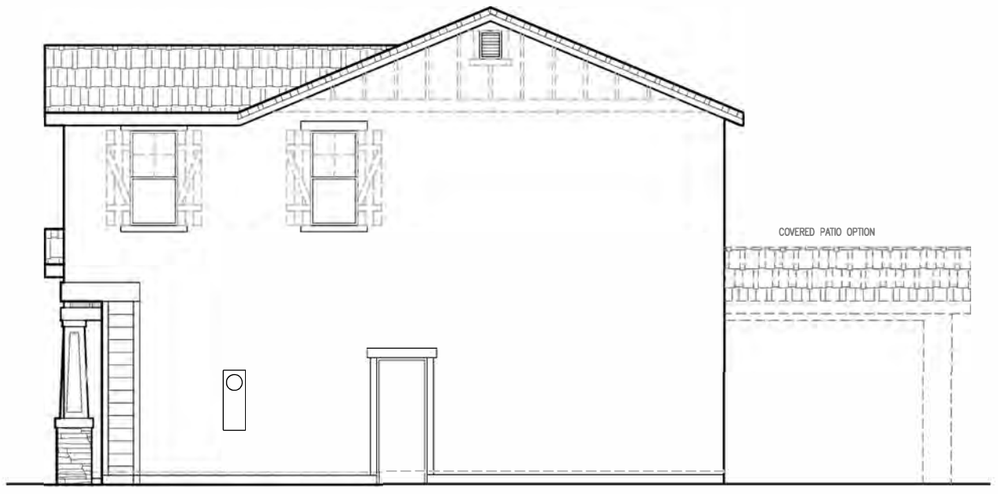
FRONT ELEVATION 'B'
SCALE: 1/8"=1'-0"



REAR ELEVATION 'B'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'B'
SCALE: 1/8"=1'-0"



RIGHT ELEVATION 'B'
SCALE: 1/8"=1'-0"

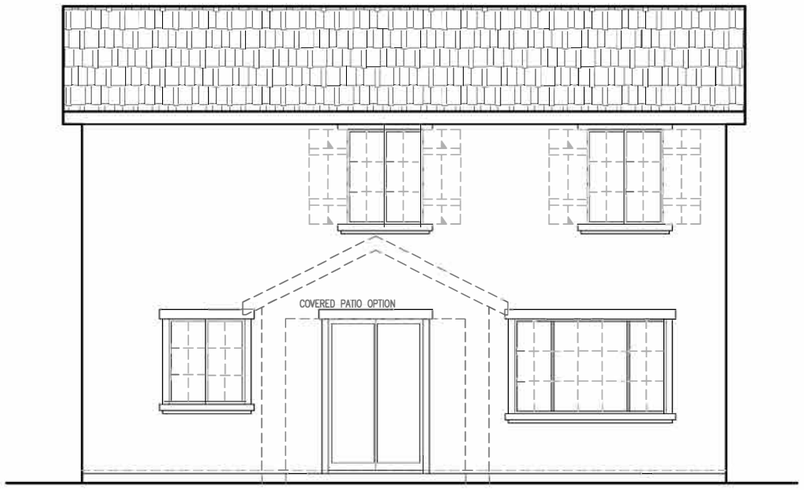
SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.

1570 'B' ELEVATIONS
SIERRA VISTA
JM-40

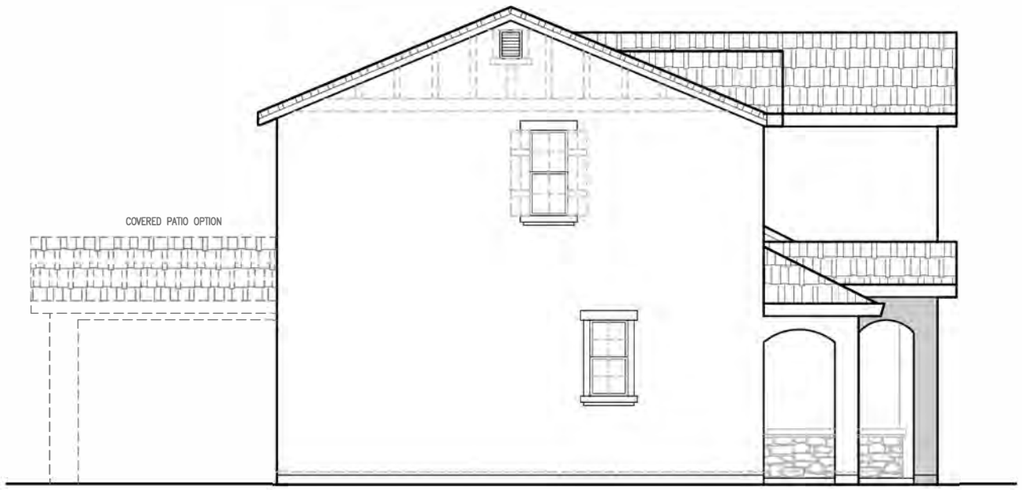
JMC HOMES
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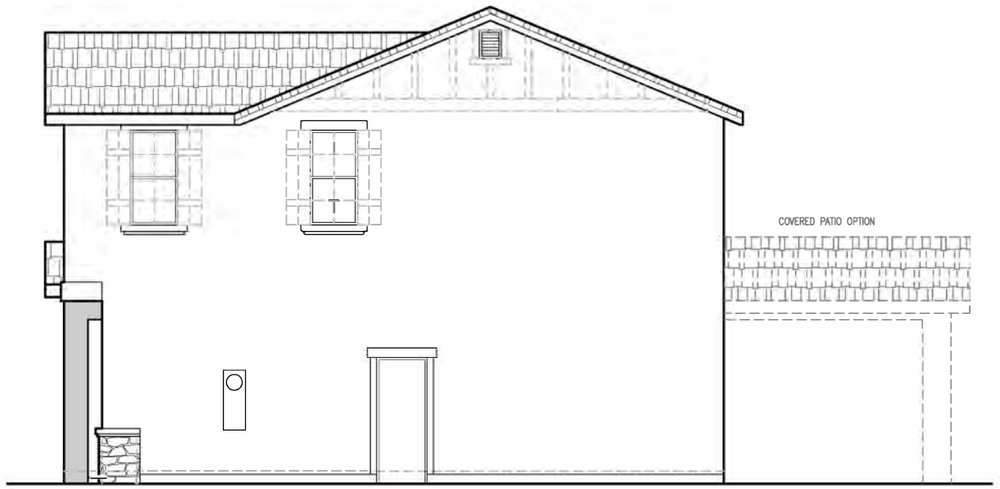
FRONT ELEVATION 'C'
SCALE: 1/8"=1'-0"



REAR ELEVATION 'C'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'C'
SCALE: 1/8"=1'-0"



RIGHT ELEVATION 'C'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.

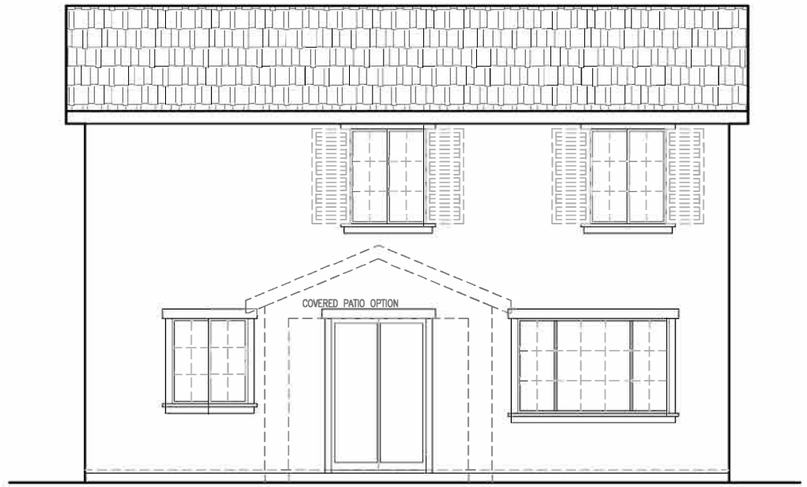
1570 'C' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES

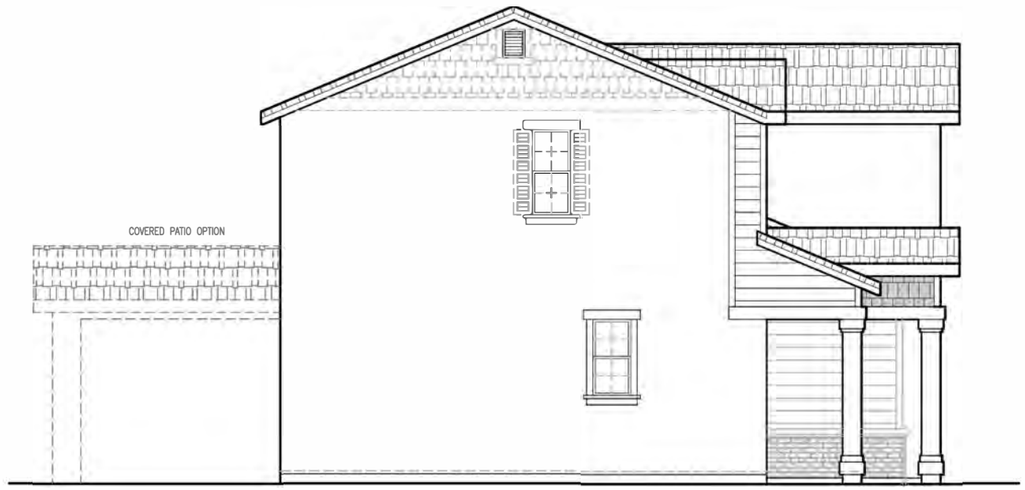
John Mourier Construction Inc.
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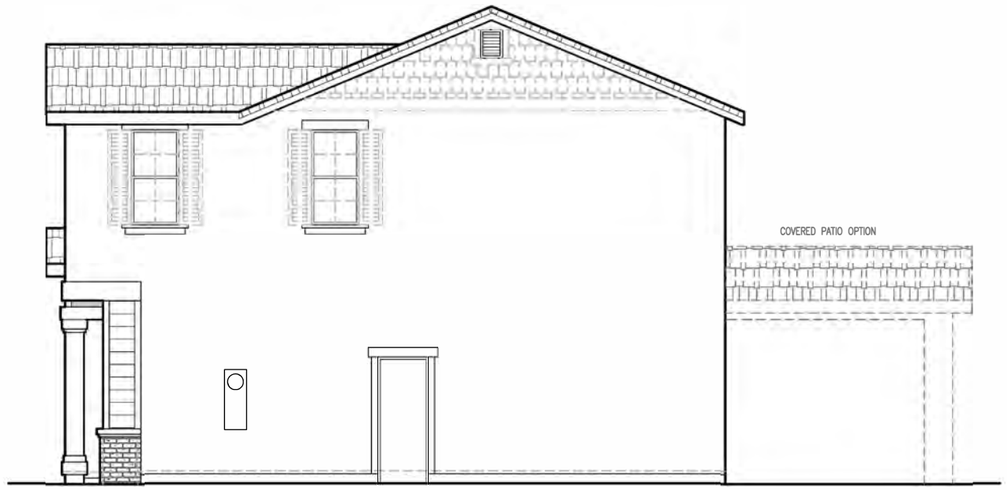
FRONT ELEVATION 'D'
SCALE: 1/8"=1'-0"



REAR ELEVATION 'D'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'D'
SCALE: 1/8"=1'-0"



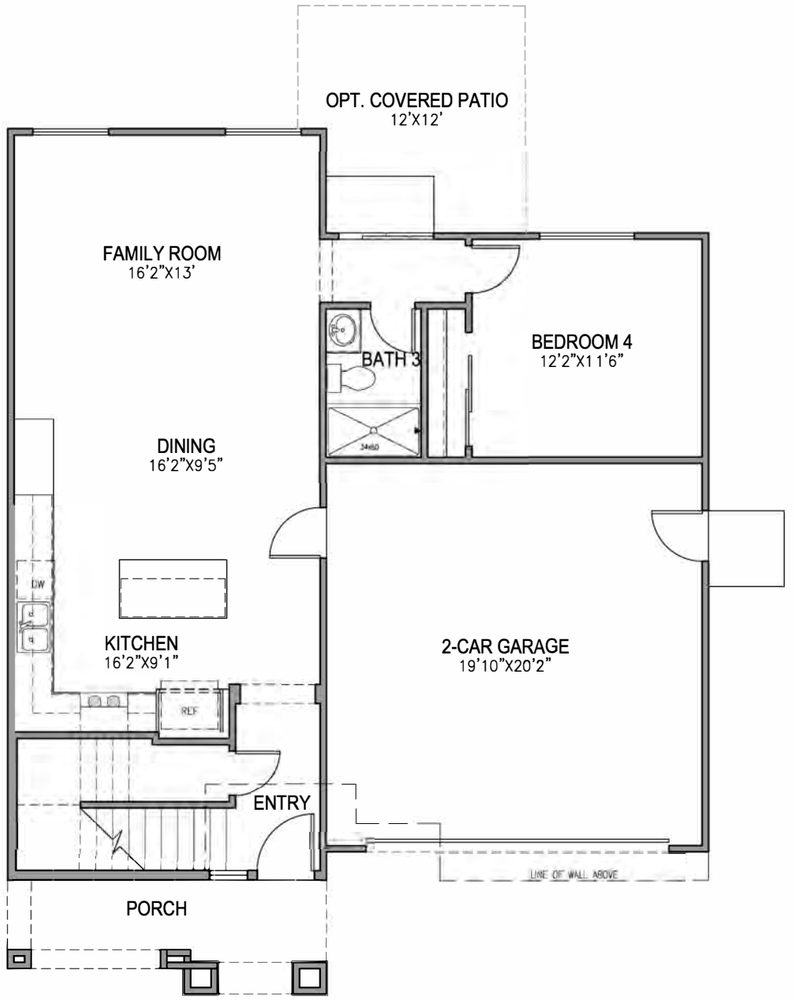
RIGHT ELEVATION 'D'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.

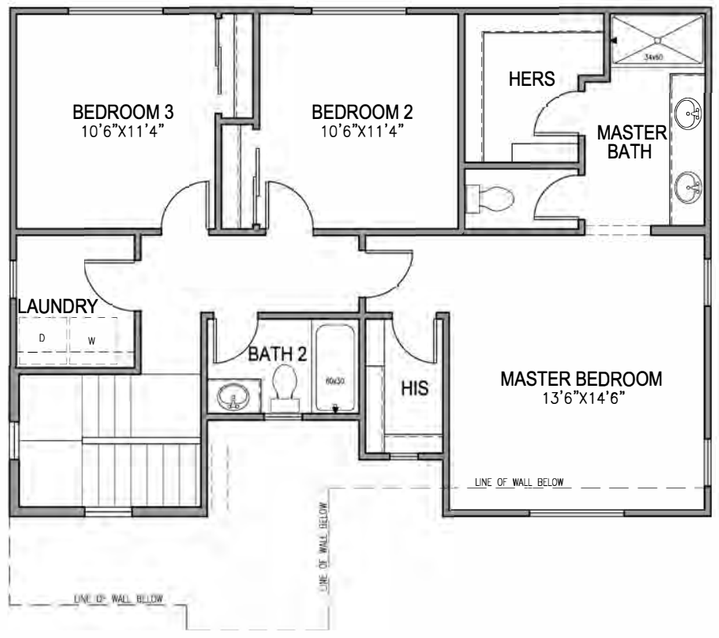
1570 'D' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES

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FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"



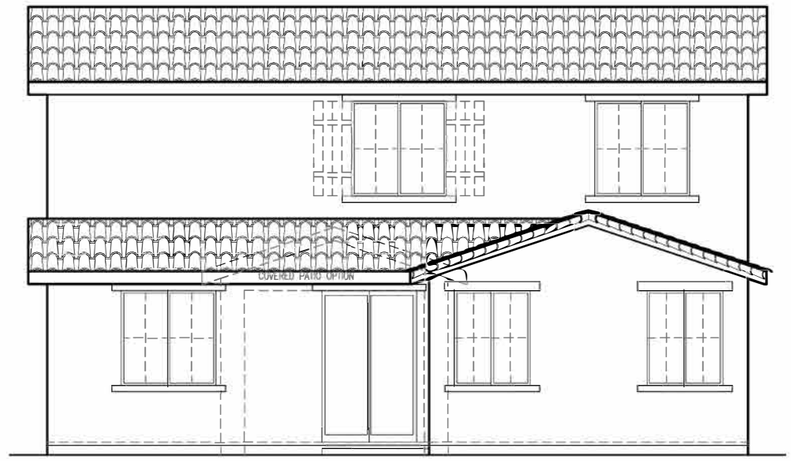
SECOND FLOOR PLAN
SCALE: 1/8"=1'-0"

1790 FLOOR PLAN
SIERRA VISTA
JM-40

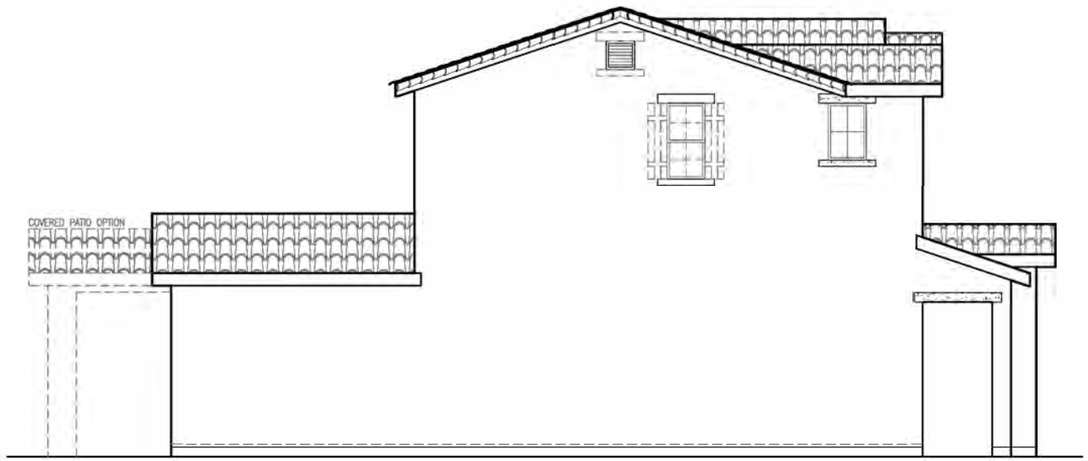
JMC HOMES
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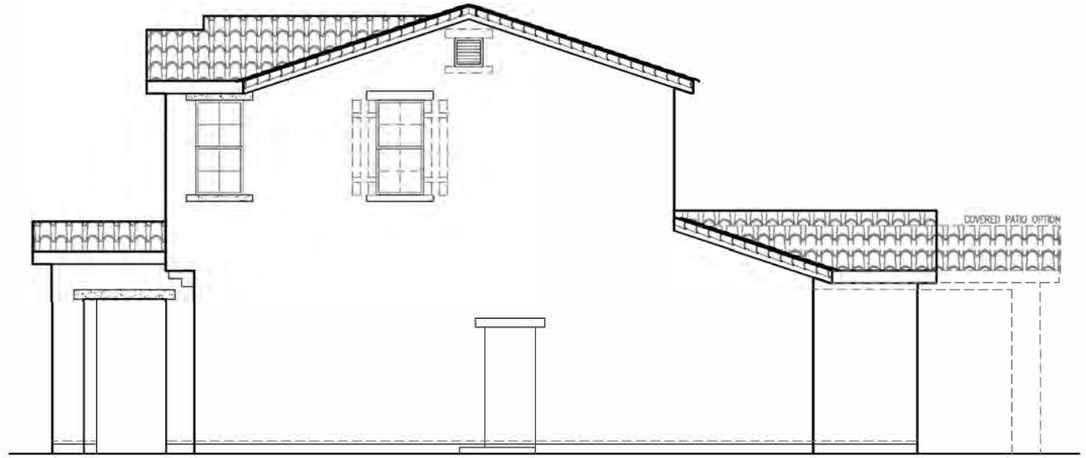
FRONT ELEVATION 'A'
SCALE: 1/8"=1'-0"



REAR ELEVATION 'A'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'A'
SCALE: 1/8"=1'-0"



RIGHT ELEVATION 'A'
SCALE: 1/8"=1'-0"

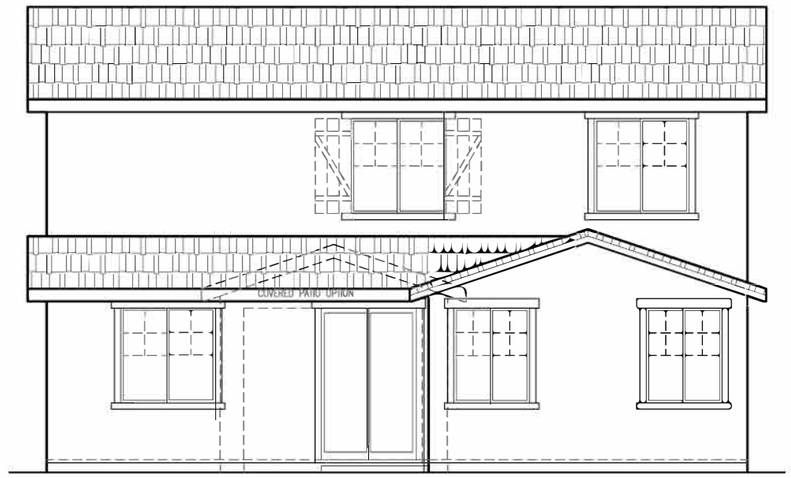
SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.

1790 'A' ELEVATIONS
SIERRA VISTA
JM-40

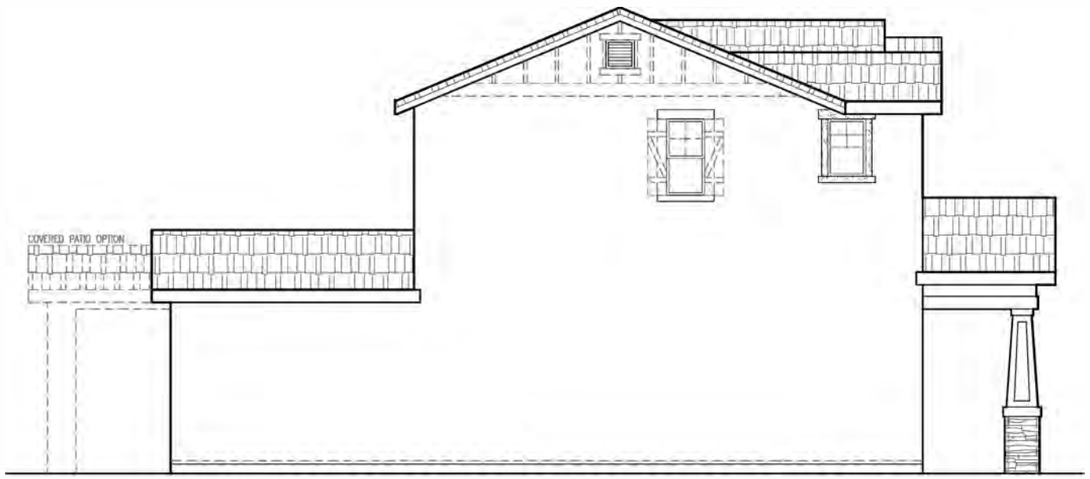
JMC HOMES
John Mourier Construction Inc.
Roseville, California



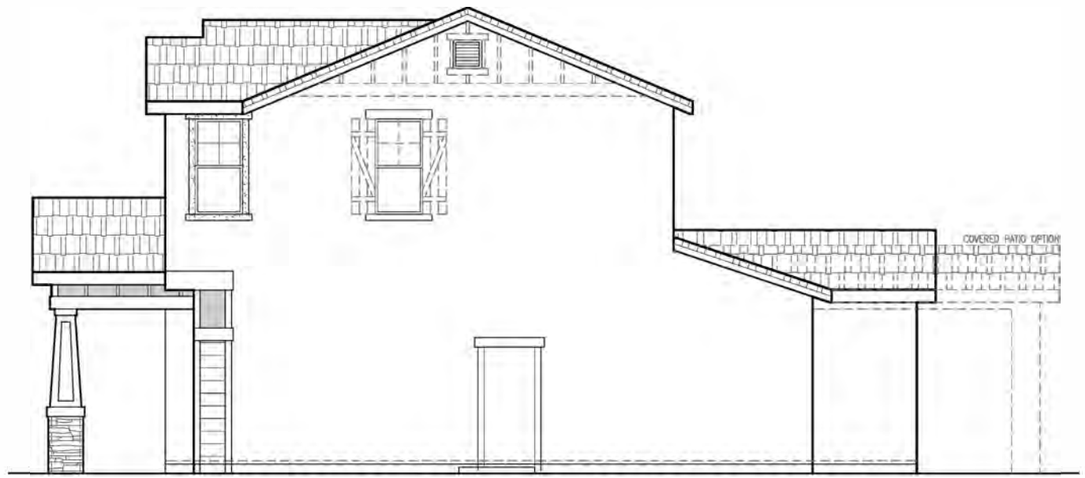
FRONT ELEVATION 'B'
SCALE: 1/8"=1'-0"



REAR ELEVATION 'B'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'B'
SCALE: 1/8"=1'-0"



RIGHT ELEVATION 'B'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.

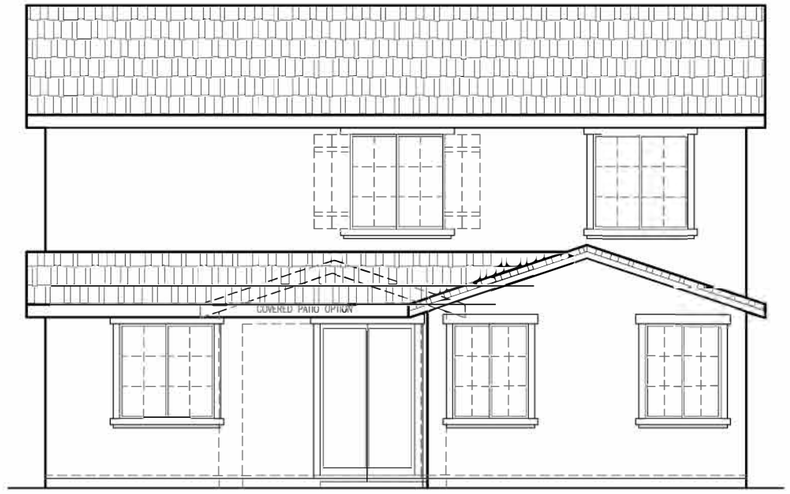
1790 'B' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES

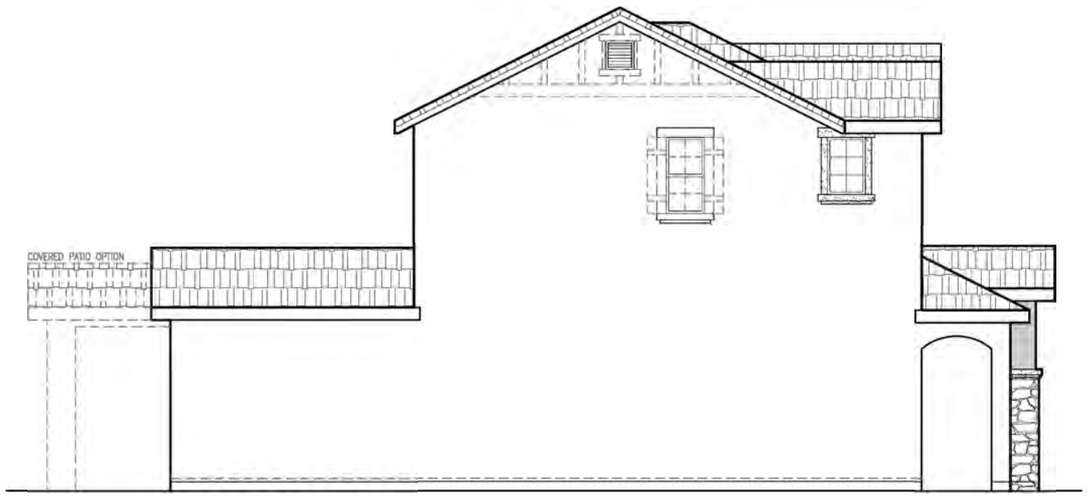
John Mourier Construction Inc.
Roseville, California



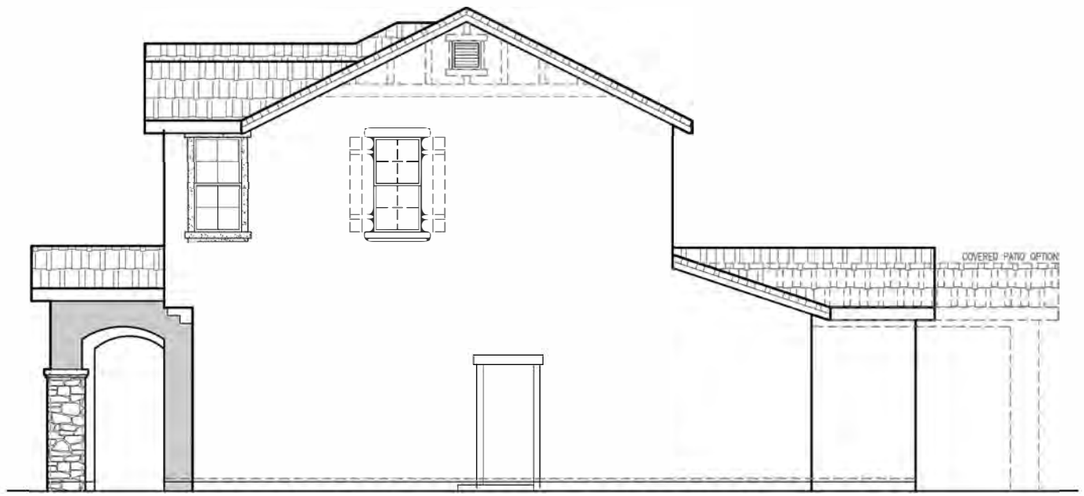
FRONT ELEVATION 'C'
SCALE: 1/8"=1'-0"



REAR ELEVATION 'C'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'C'
SCALE: 1/8"=1'-0"



RIGHT ELEVATION 'C'
SCALE: 1/8"=1'-0"

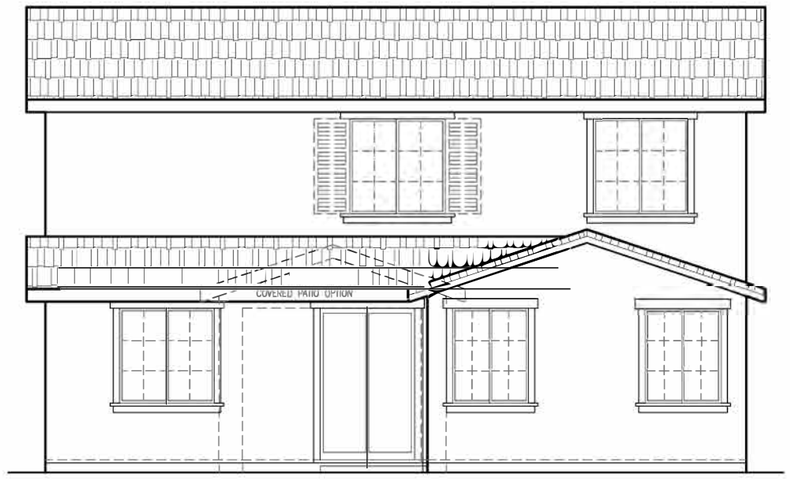
SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.

1790 'C' ELEVATIONS
SIERRA VISTA
JM-40

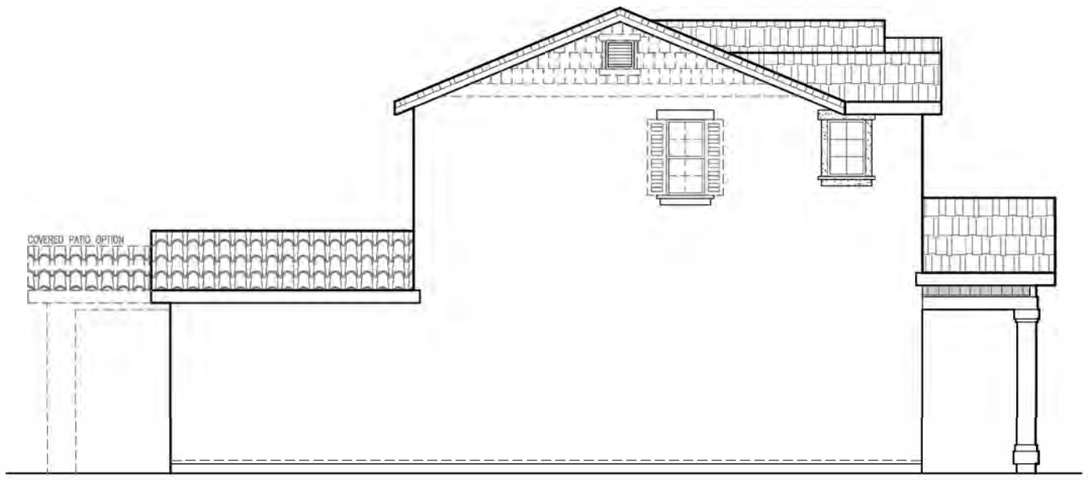
JMC HOMES
John Mourier Construction Inc.
Roseville, California



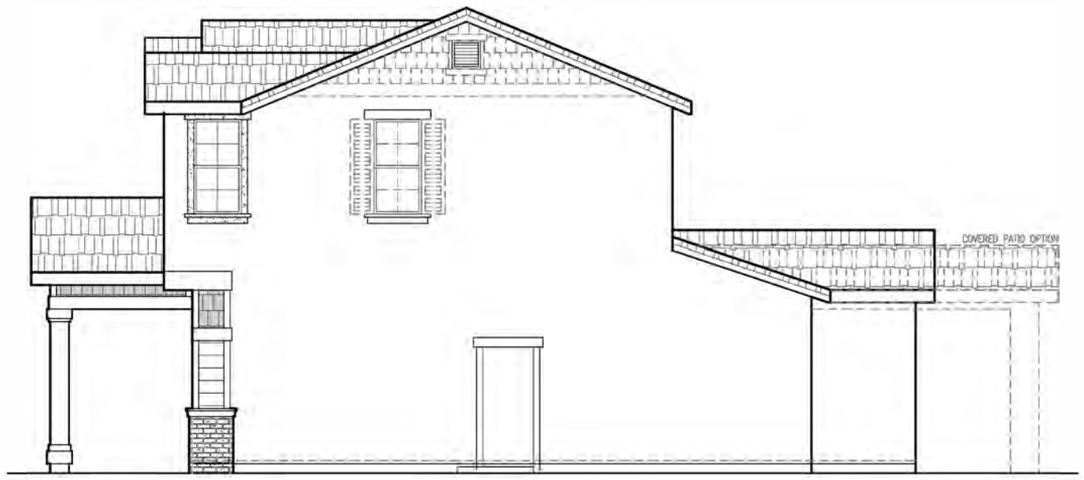
FRONT ELEVATION 'D'
SCALE: 1/8"=1'-0"



REAR ELEVATION 'D'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'D'
SCALE: 1/8"=1'-0"



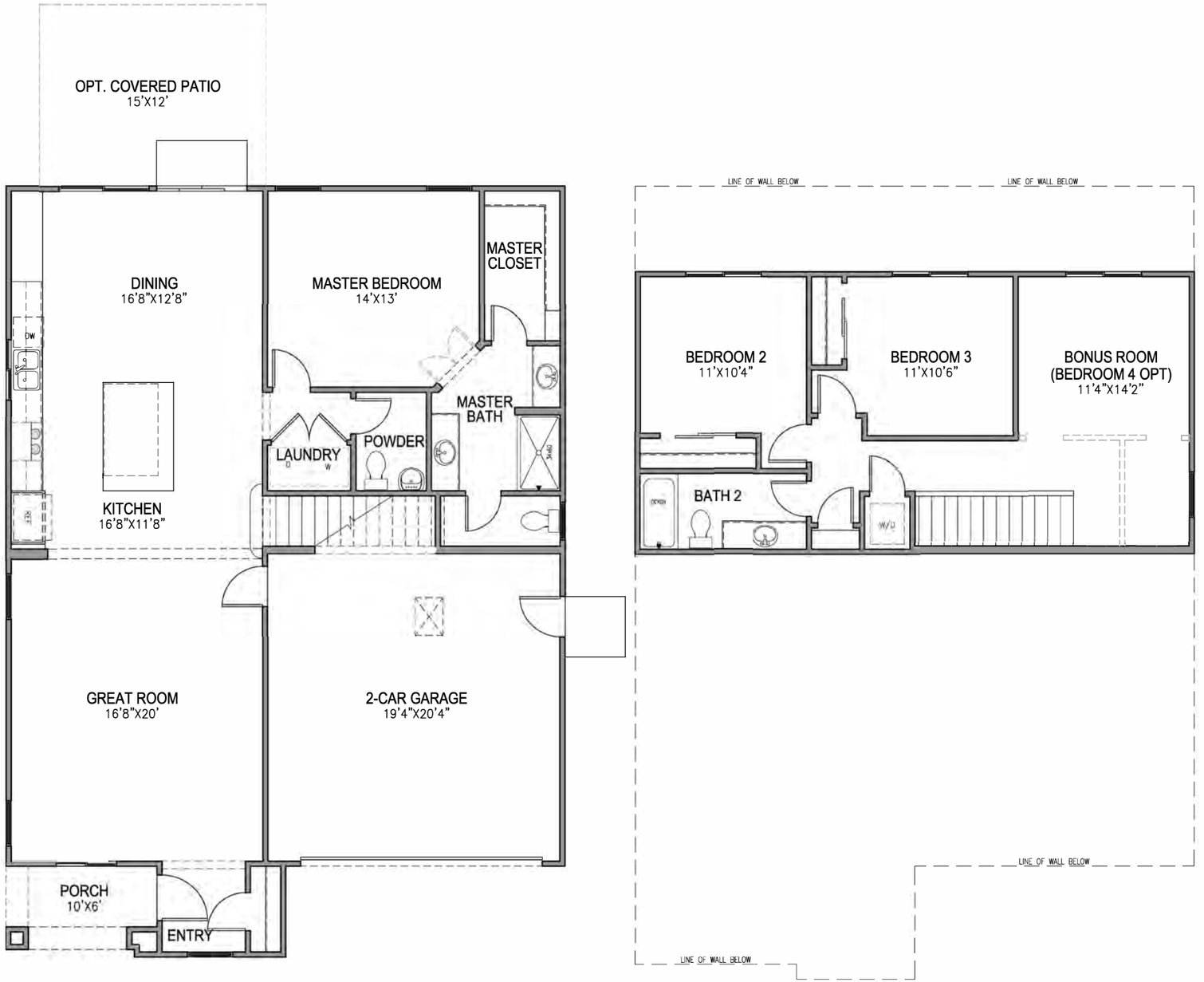
RIGHT ELEVATION 'D'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.

1790 'D' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES

John Mourier Construction Inc.
Roseville, California



FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"

SECOND FLOOR PLAN
SCALE: 1/8"=1'-0"

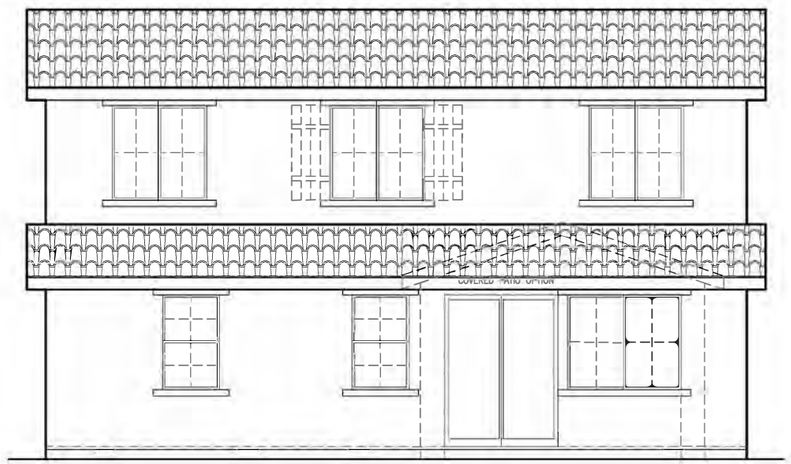
1964 FLOOR PLAN
SIERRA VISTA
JM-40

JMC HOMES

John Mourier Construction Inc.
Roseville, California

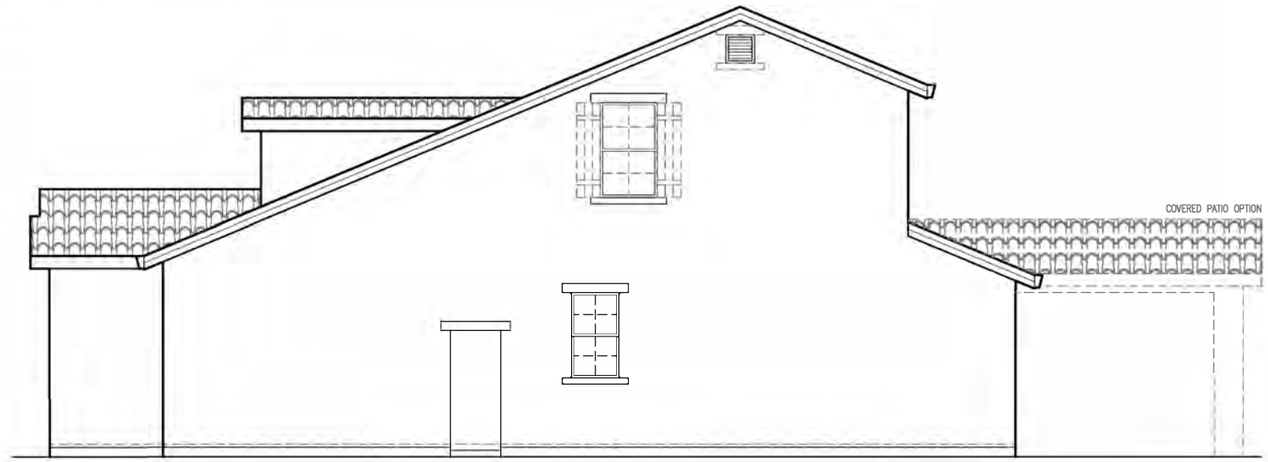


FRONT ELEVATION 'A'
SCALE: 1/8"=1'-0"

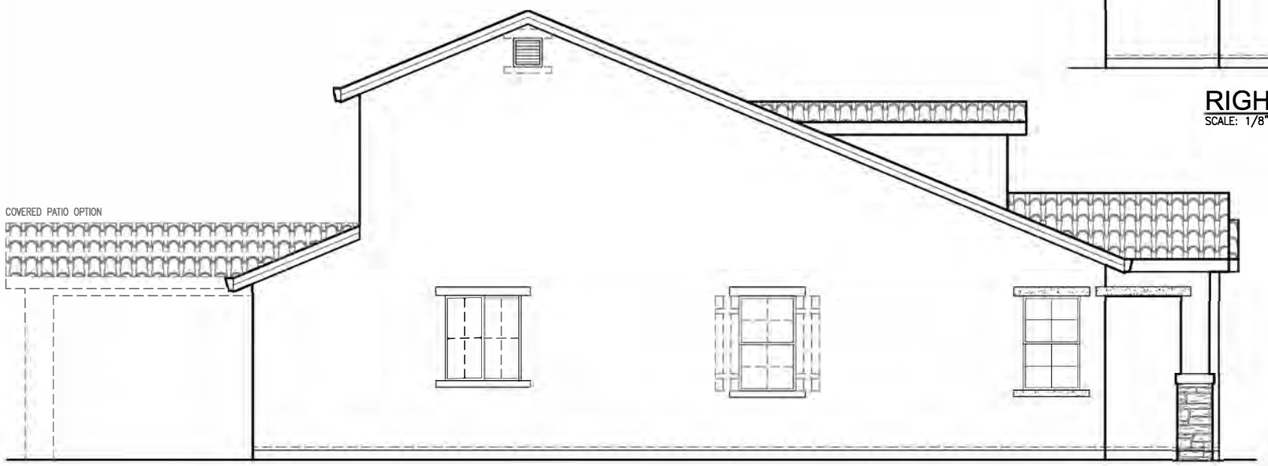


REAR ELEVATION 'A'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.



RIGHT ELEVATION 'A'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'A'
SCALE: 1/8"=1'-0"

1964 'A' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES

John Mourier Construction Inc.
Roseville, California



FRONT ELEVATION 'B'
SCALE: 1/8"=1'-0"

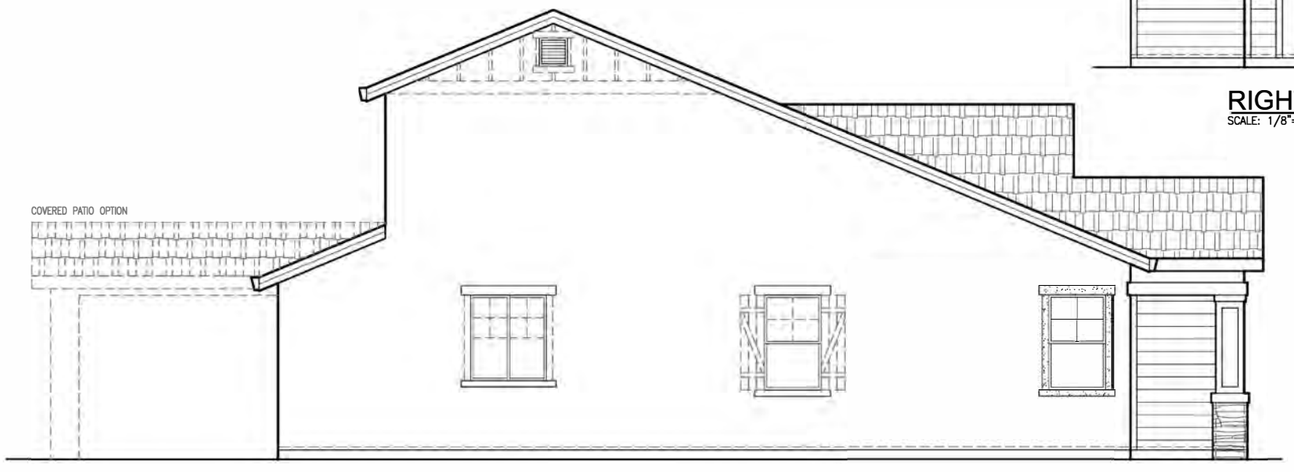


REAR ELEVATION 'B'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.



RIGHT ELEVATION 'B'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'B'
SCALE: 1/8"=1'-0"

1964 'B' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES

John Mourier Construction Inc.
Roseville, California

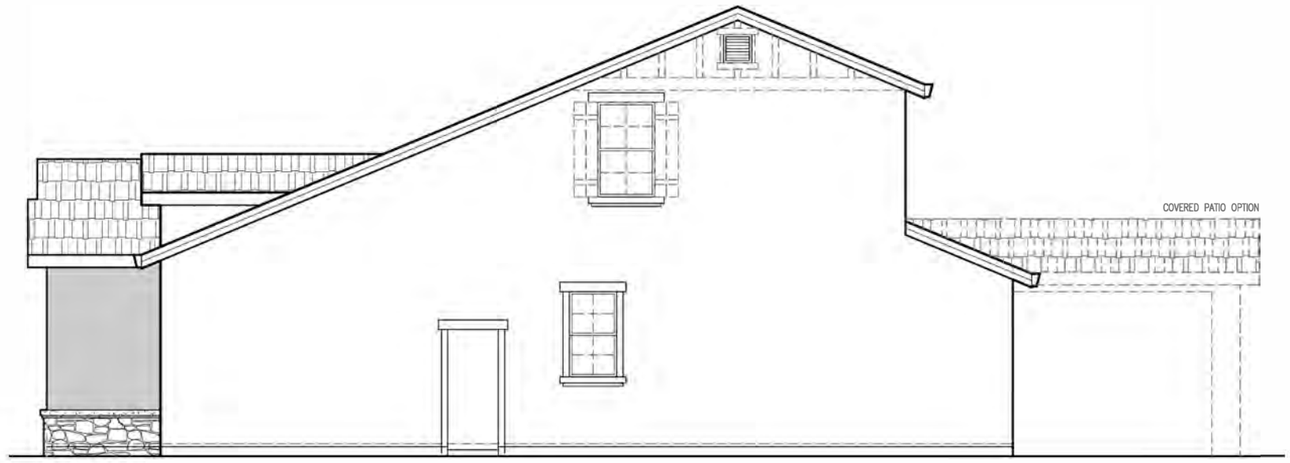


FRONT ELEVATION 'C'
SCALE: 1/8"=1'-0"

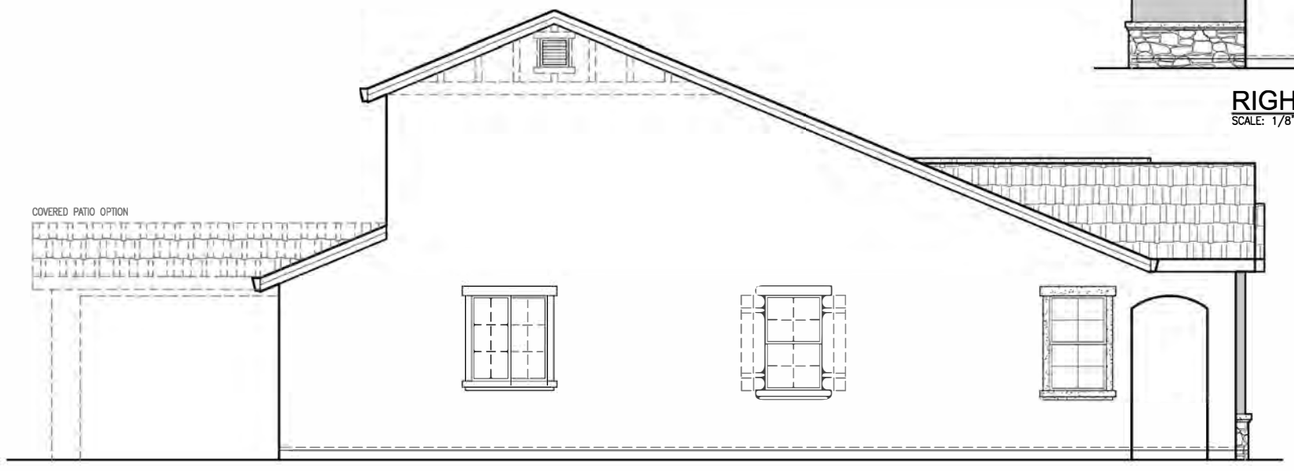


REAR ELEVATION 'C'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.



RIGHT ELEVATION 'C'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'C'
SCALE: 1/8"=1'-0"

1964 'C' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES

John Mourier Construction Inc.
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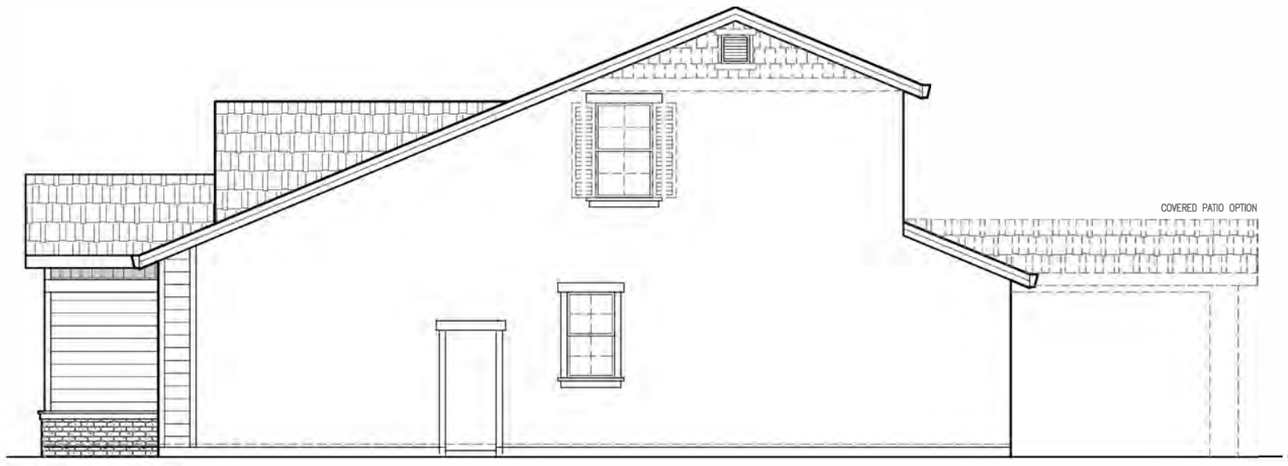


FRONT ELEVATION 'D'
SCALE: 1/8"=1'-0"

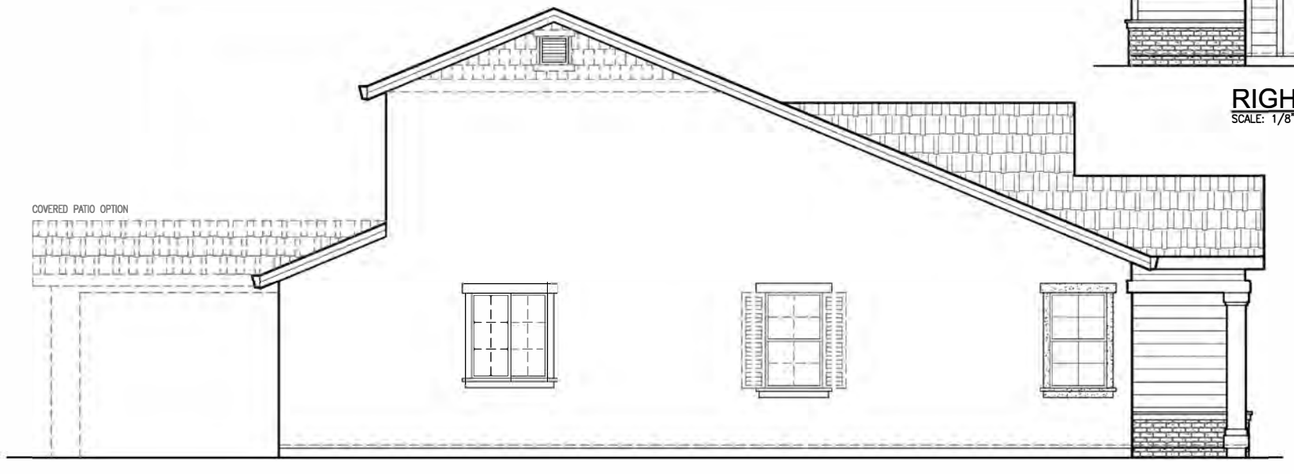


REAR ELEVATION 'D'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.



RIGHT ELEVATION 'D'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'D'
SCALE: 1/8"=1'-0"

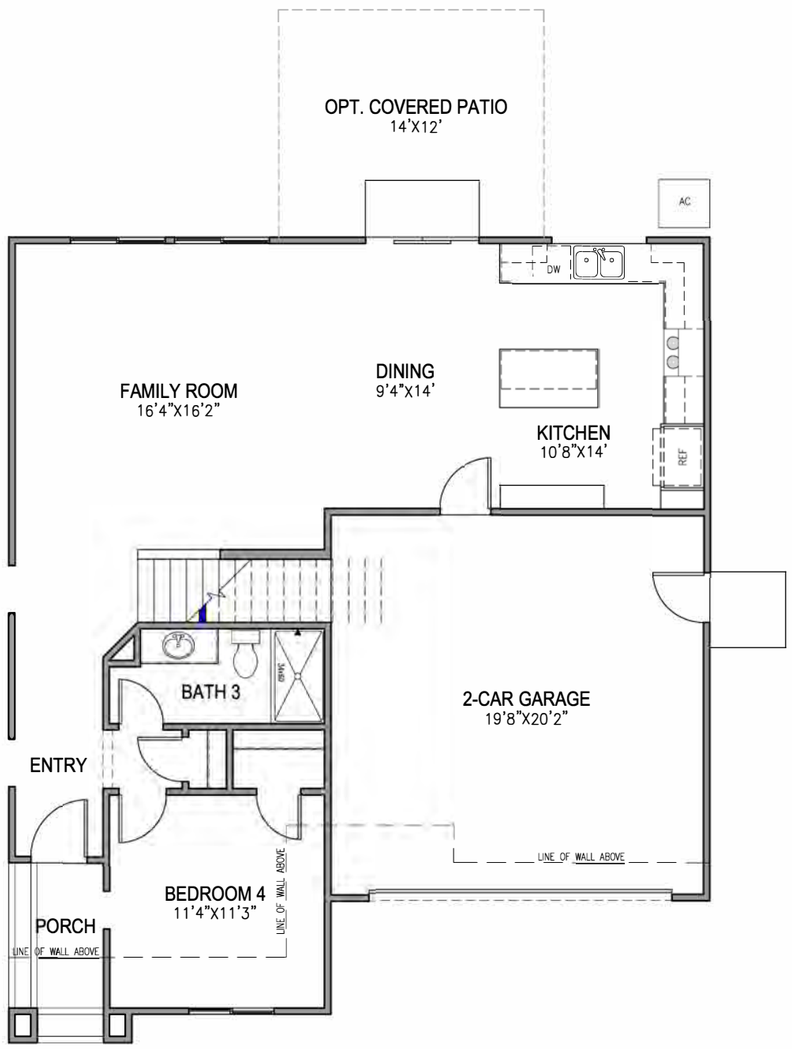
1964 'D' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES

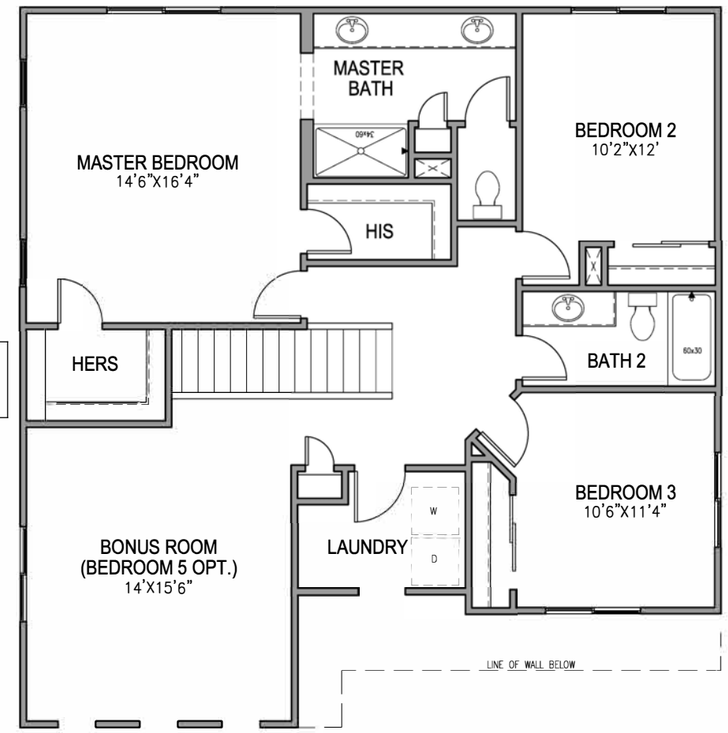
John Mourier Construction Inc.
Roseville, California



BEDROOM 5 PLAN
SCALE: 1/8"=1'-0"



FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"



SECOND FLOOR PLAN
SCALE: 1/8"=1'-0"

2184 FLOOR PLAN
SIERRA VISTA
JM-40

JMC HOMES

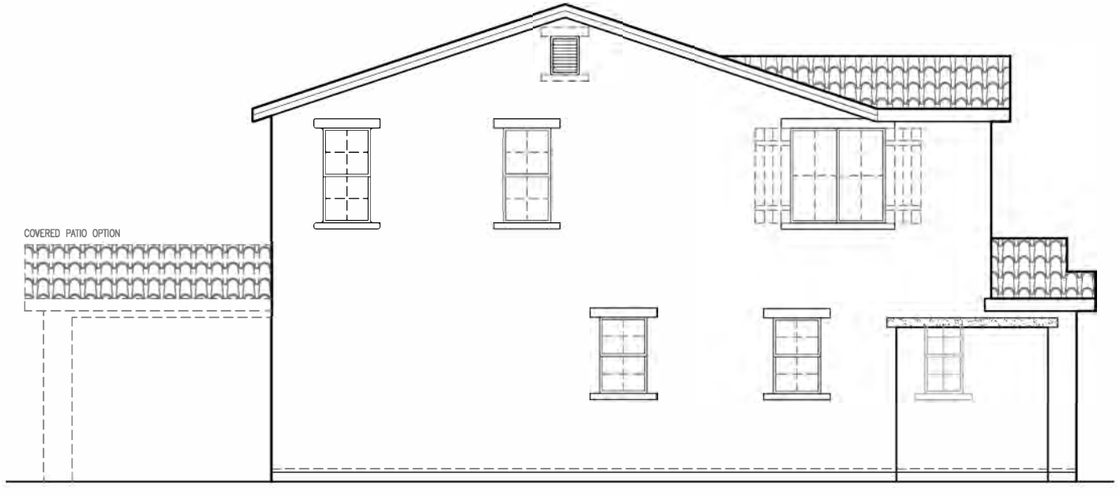
John Mourier Construction Inc.
Roseville, California



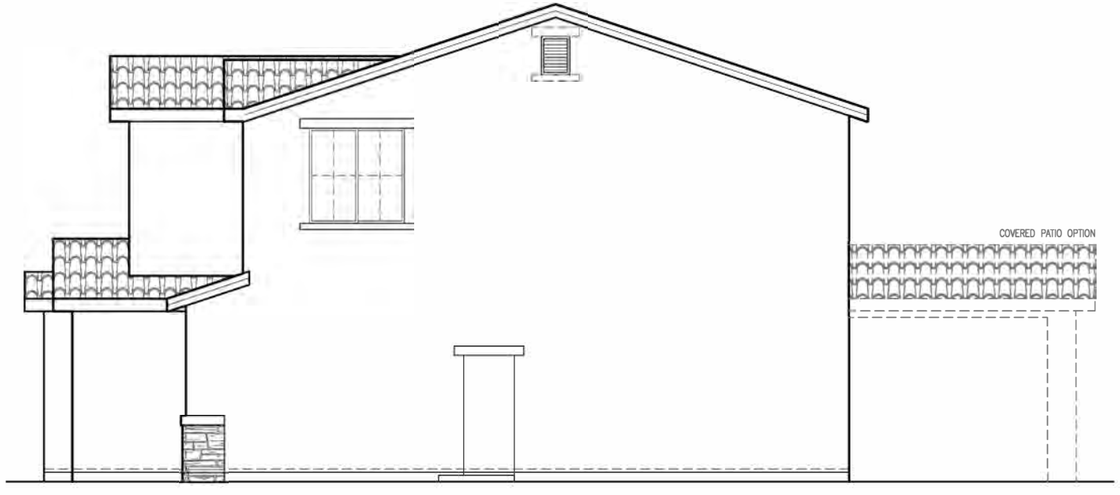
FRONT ELEVATION 'A'
SCALE: 1/8"=1'-0"



REAR ELEVATION 'A'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'A'
SCALE: 1/8"=1'-0"



RIGHT ELEVATION 'A'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.

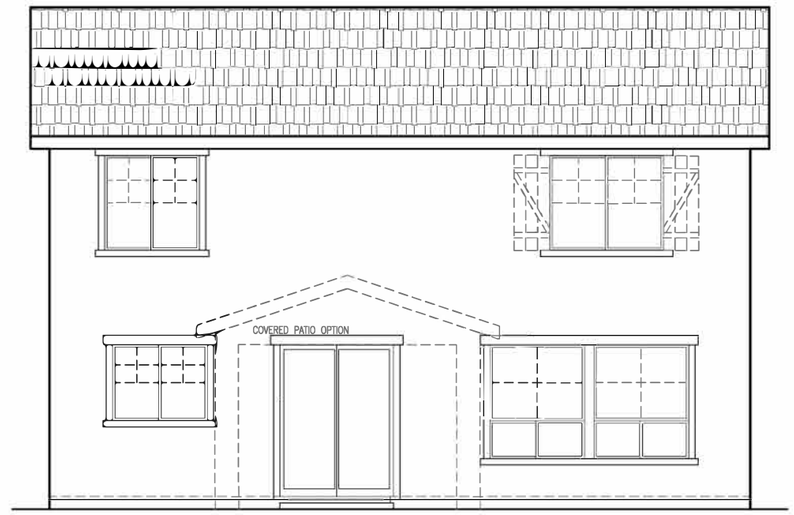
2184 'A' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES

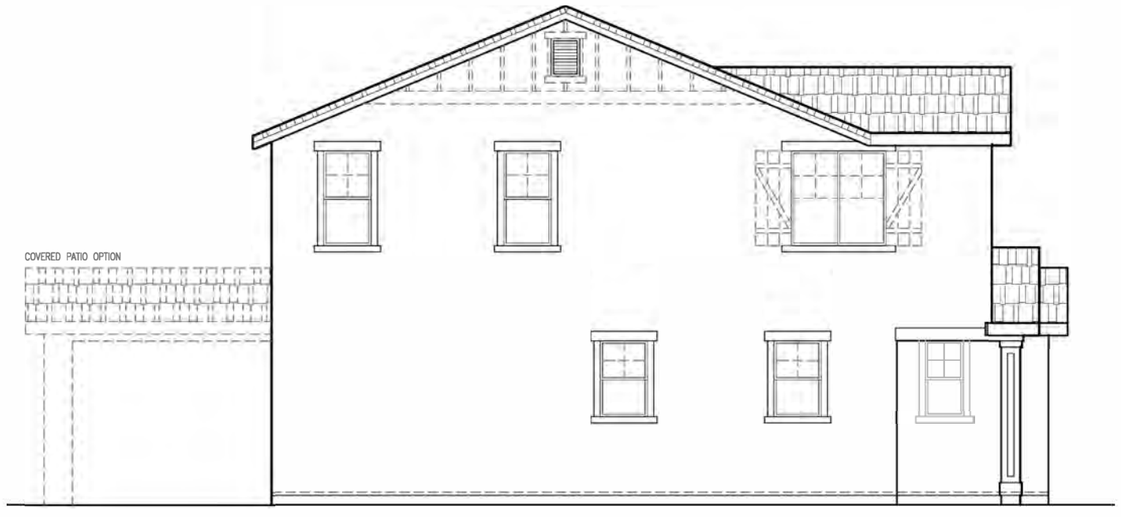
John Mourier Construction Inc.
Roseville, California



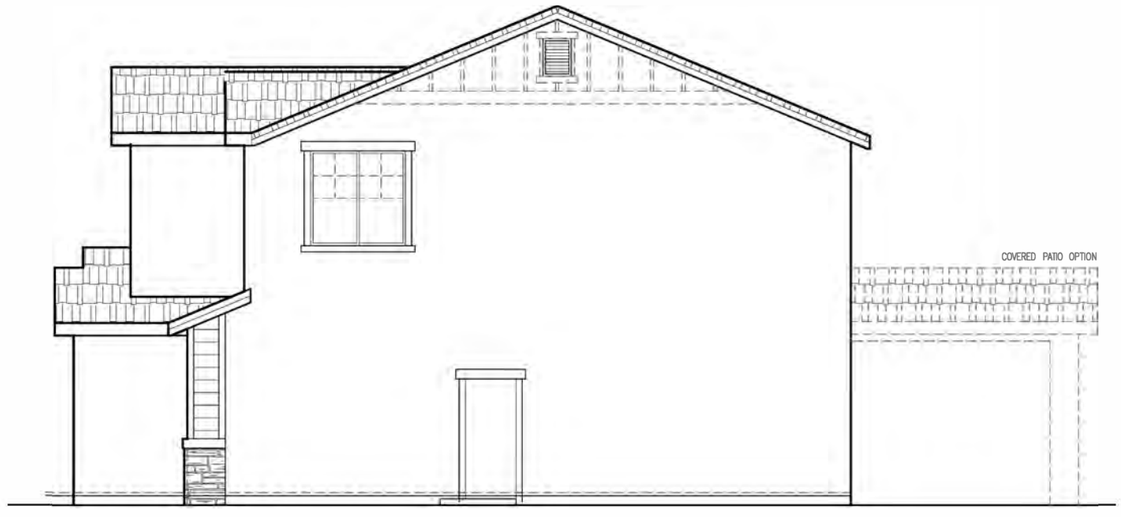
FRONT ELEVATION 'B'
SCALE: 1/8"=1'-0"



REAR ELEVATION 'B'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'B'
SCALE: 1/8"=1'-0"



RIGHT ELEVATION 'B'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.

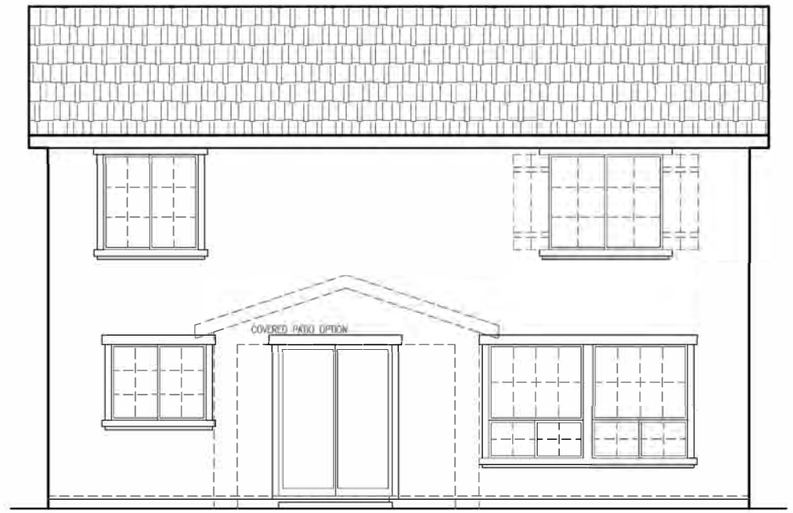
2184 'B' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES

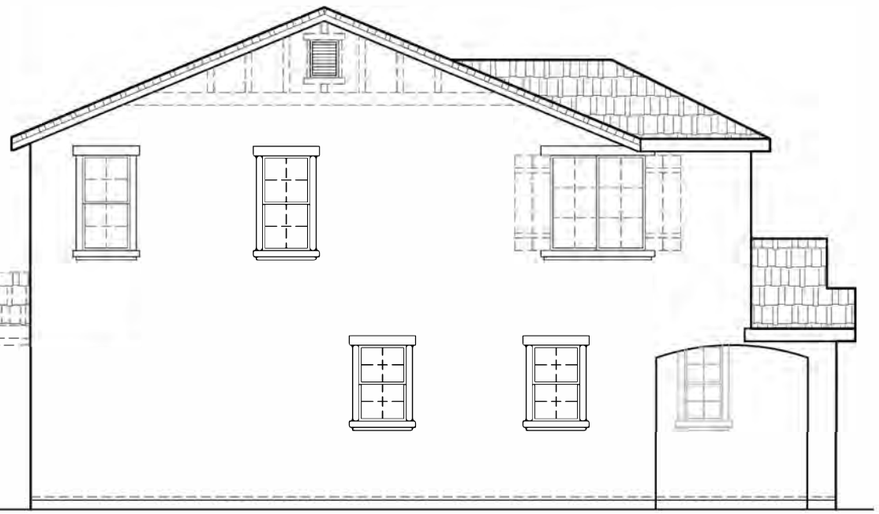
John Mourier Construction Inc.
Roseville, California



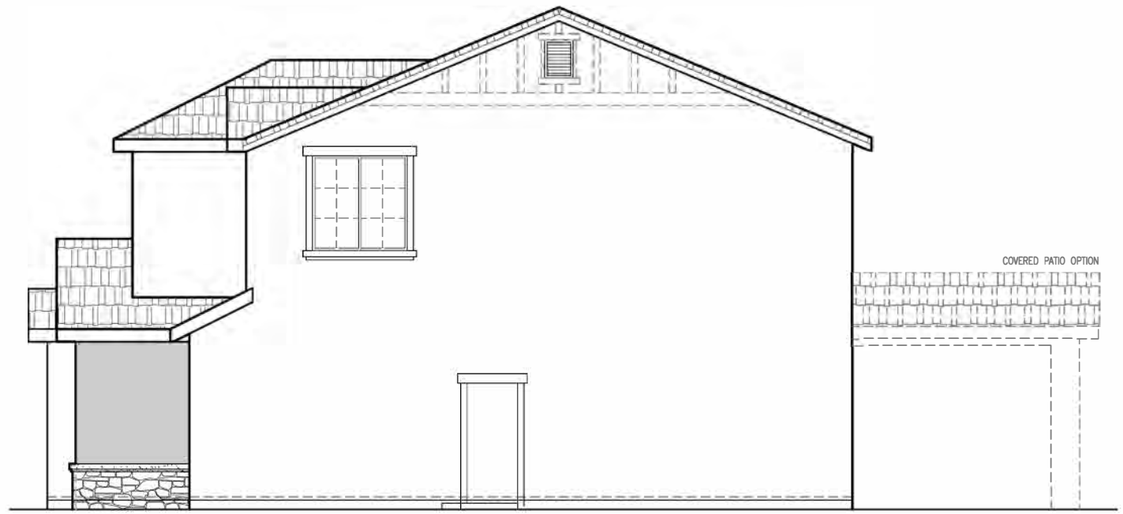
FRONT ELEVATION 'C'
SCALE: 1/8"=1'-0"



REAR ELEVATION 'C'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'C'
SCALE: 1/8"=1'-0"



RIGHT ELEVATION 'C'
SCALE: 1/8"=1'-0"

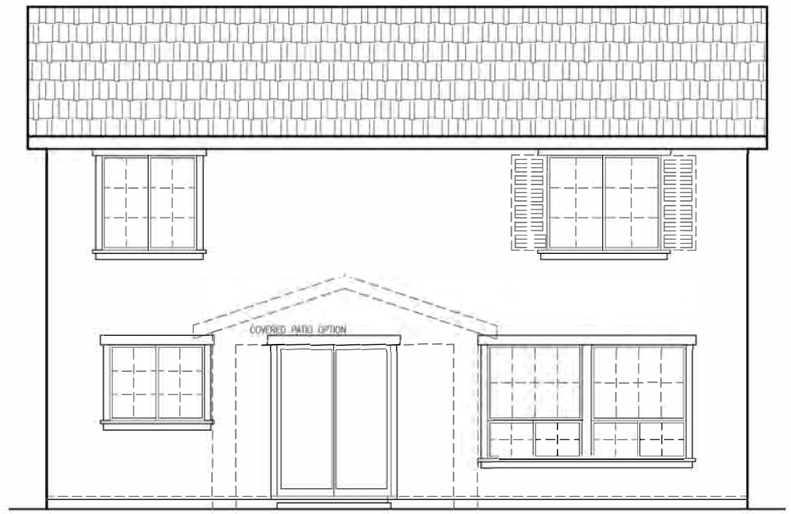
SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.

2184 'C' ELEVATIONS
SIERRA VISTA
JM-40

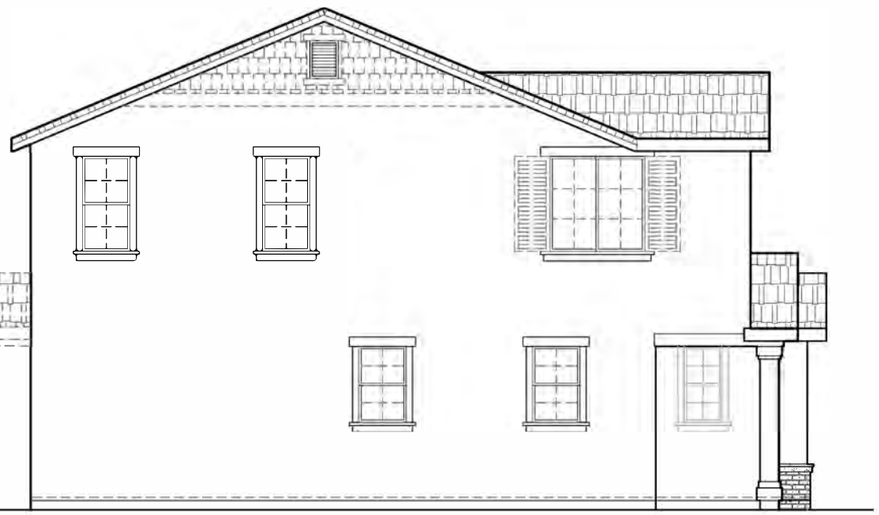
JMC HOMES
John Mourier Construction Inc.
Roseville, California



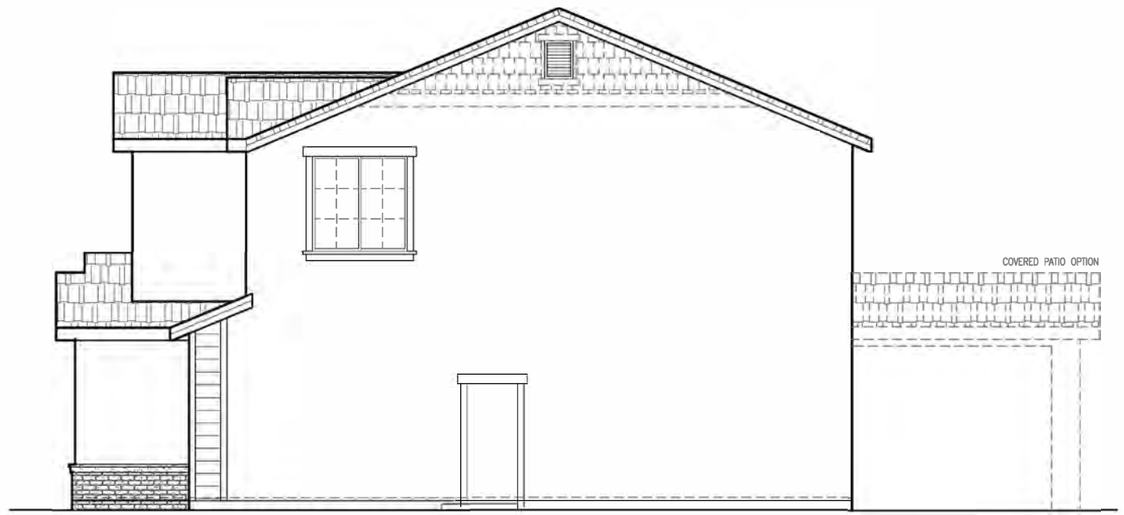
FRONT ELEVATION 'D'
SCALE: 1/8"=1'-0"



REAR ELEVATION 'D'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'D'
SCALE: 1/8"=1'-0"



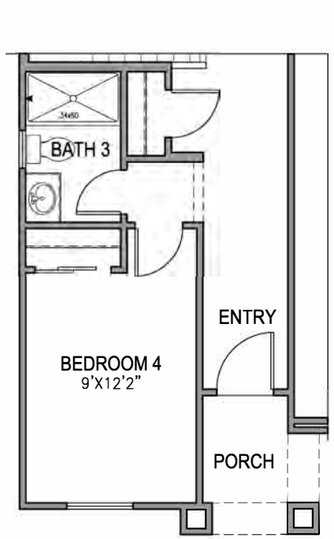
RIGHT ELEVATION 'D'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.

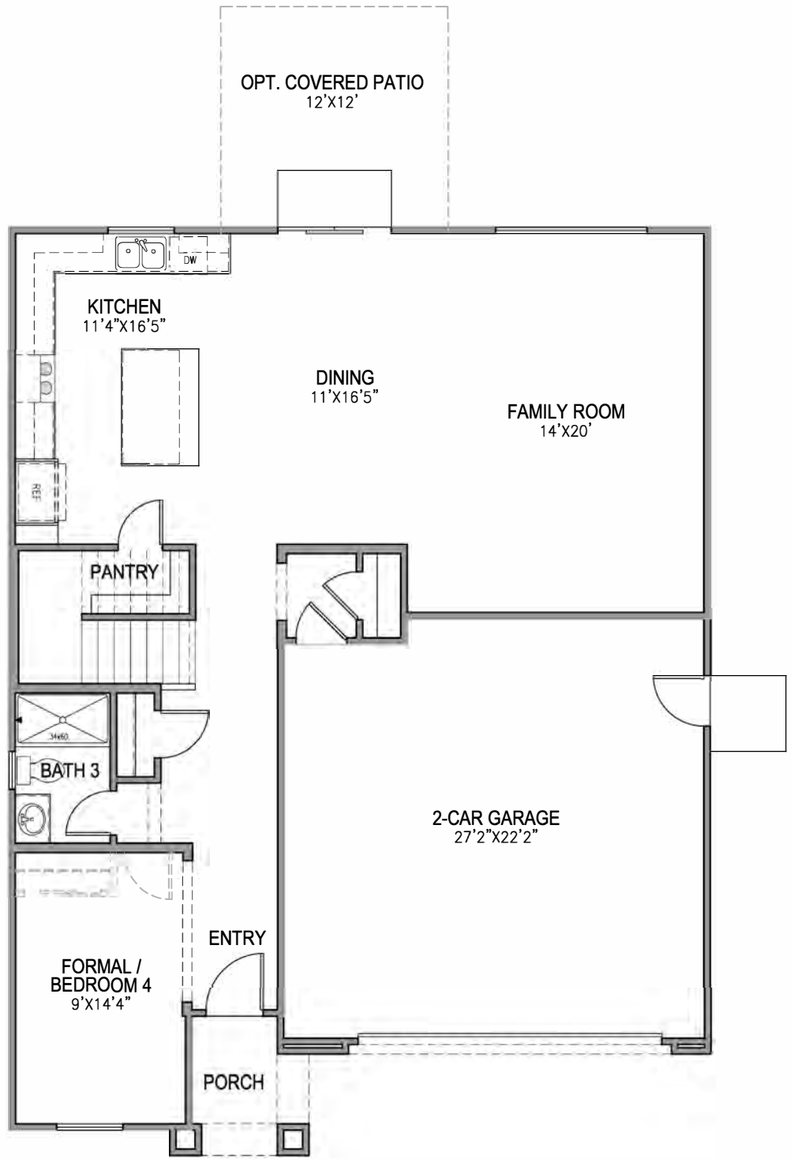
2184 'D' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES

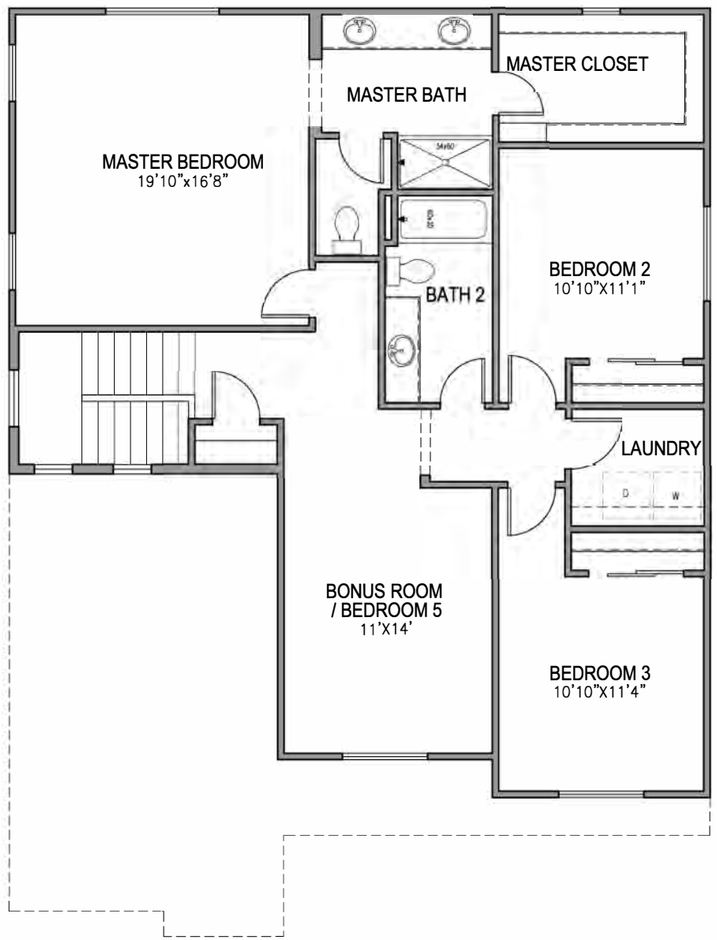
John Mourier Construction Inc.
Roseville, California



BEDROOM 4 PLAN
SCALE: 1/8"=1'-0"



FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"



SECOND FLOOR PLAN
SCALE: 1/8"=1'-0"

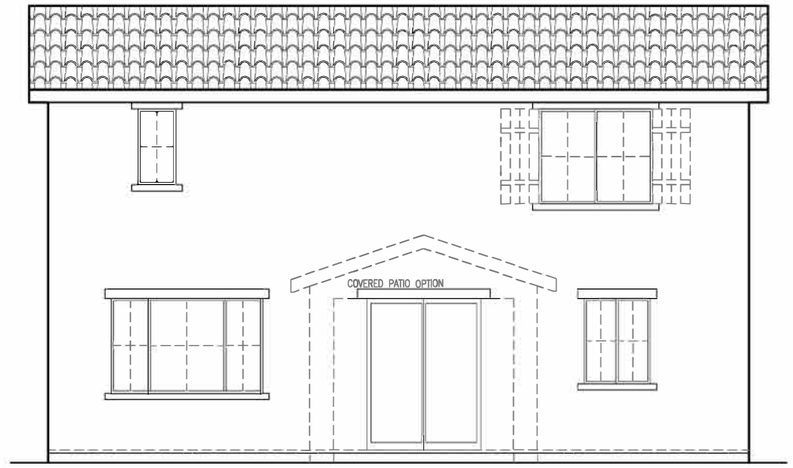
2341 FLOOR PLAN
SIERRA VISTA
JM-40

JMC HOMES

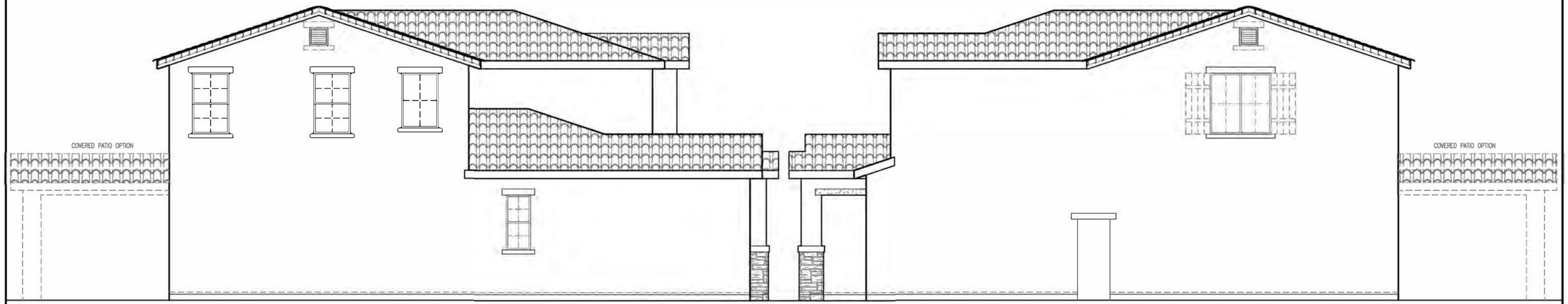
John Mourier Construction Inc.
Roseville, California



FRONT ELEVATION 'A'
SCALE: 1/8"=1'-0"



REAR ELEVATION 'A'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'A'
SCALE: 1/8"=1'-0"

RIGHT ELEVATION 'A'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.

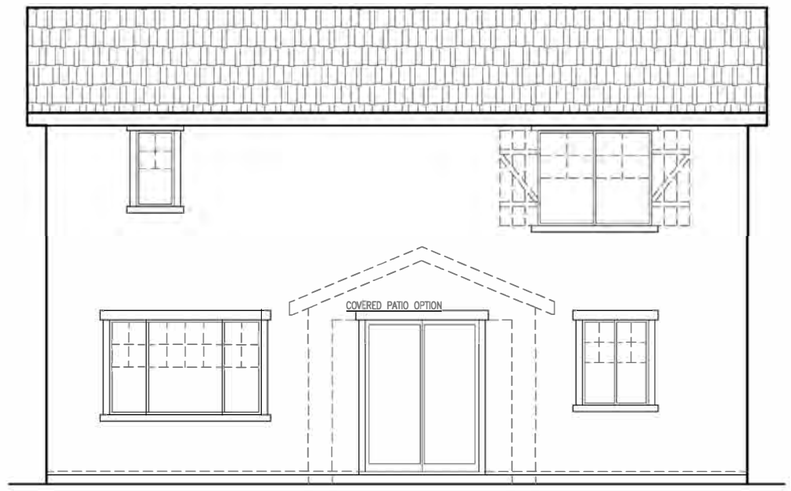
2341 'A' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES

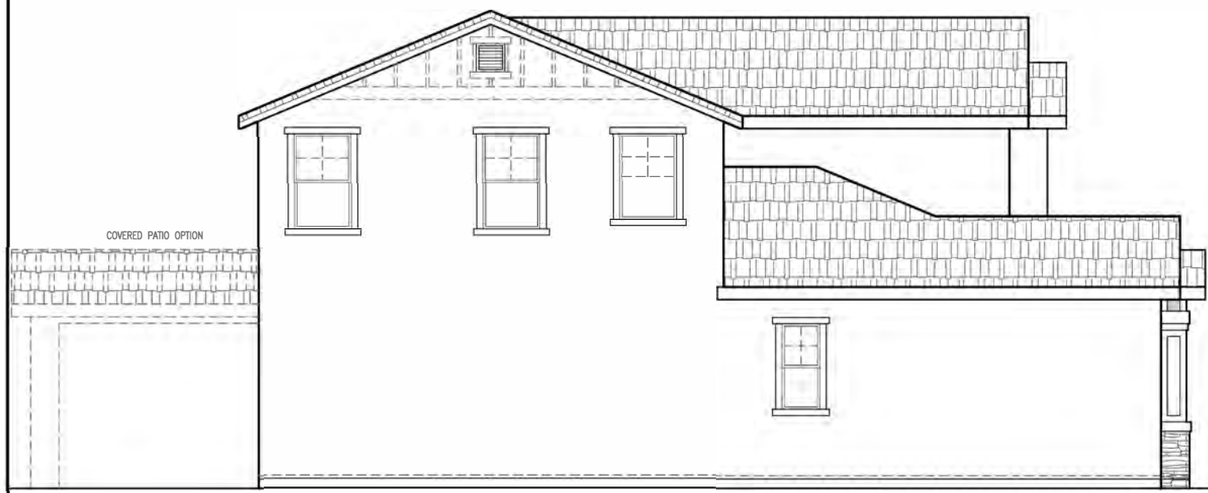
John Mourier Construction Inc.
Roseville, California



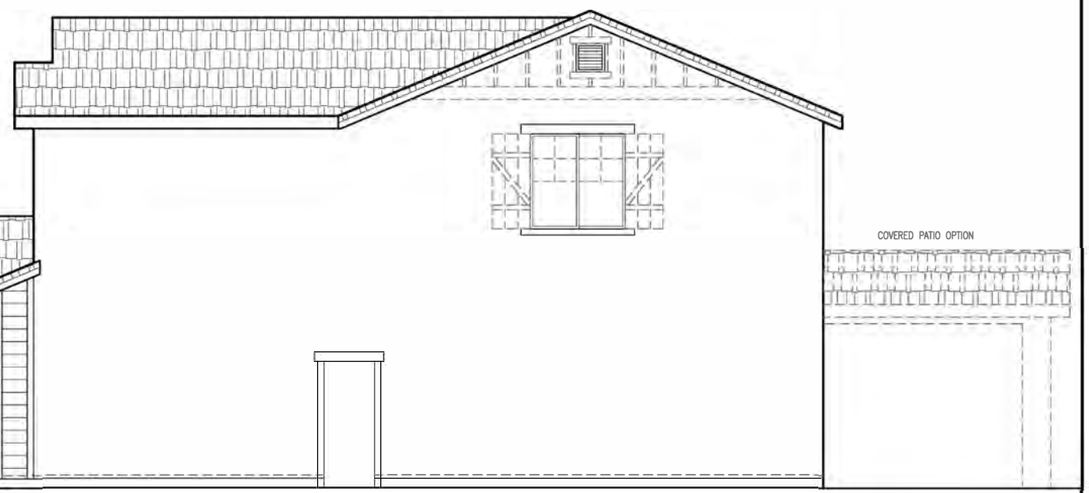
FRONT ELEVATION 'B'
SCALE: 1/8"=1'-0"



REAR ELEVATION 'B'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'B'
SCALE: 1/8"=1'-0"



RIGHT ELEVATION 'B'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.

2341 'B' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES

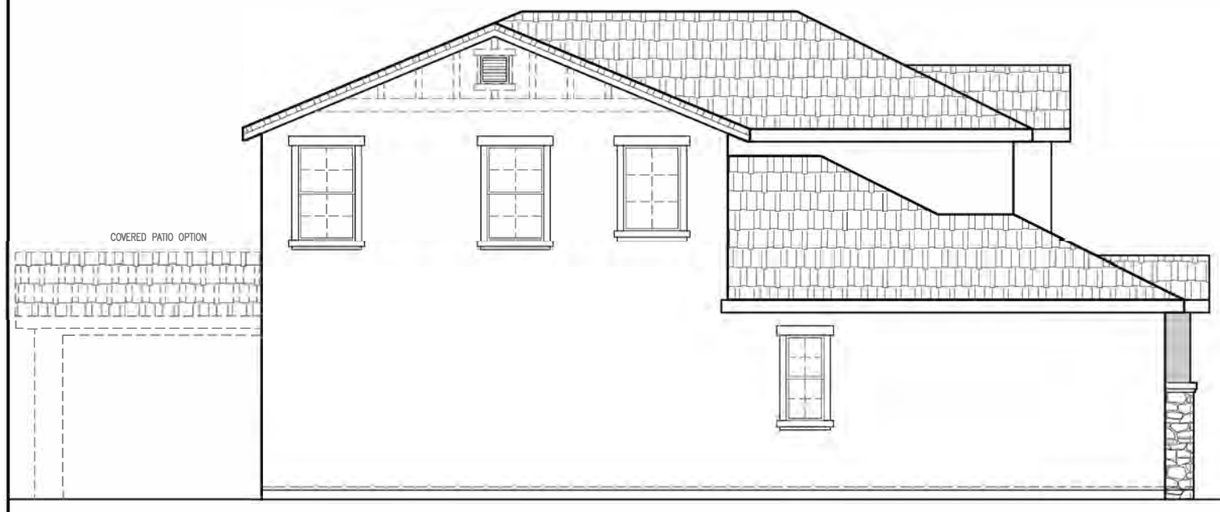
John Mourier Construction Inc.
Roseville, California



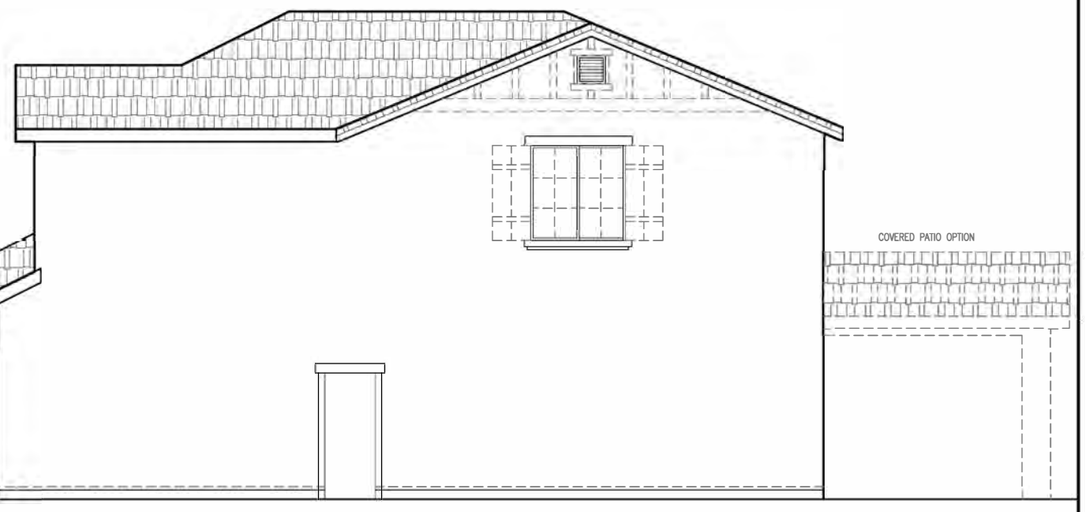
FRONT ELEVATION 'C'
SCALE: 1/8"=1'-0"



REAR ELEVATION 'C'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'C'
SCALE: 1/8"=1'-0"



RIGHT ELEVATION 'C'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.

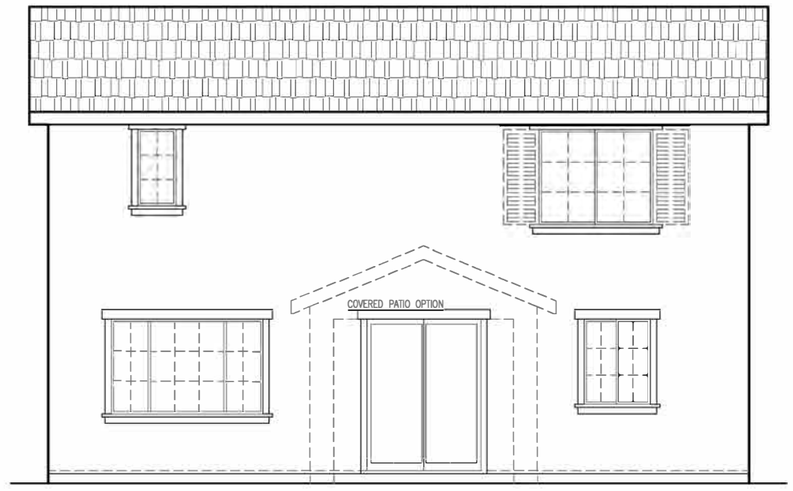
2341 'C' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES

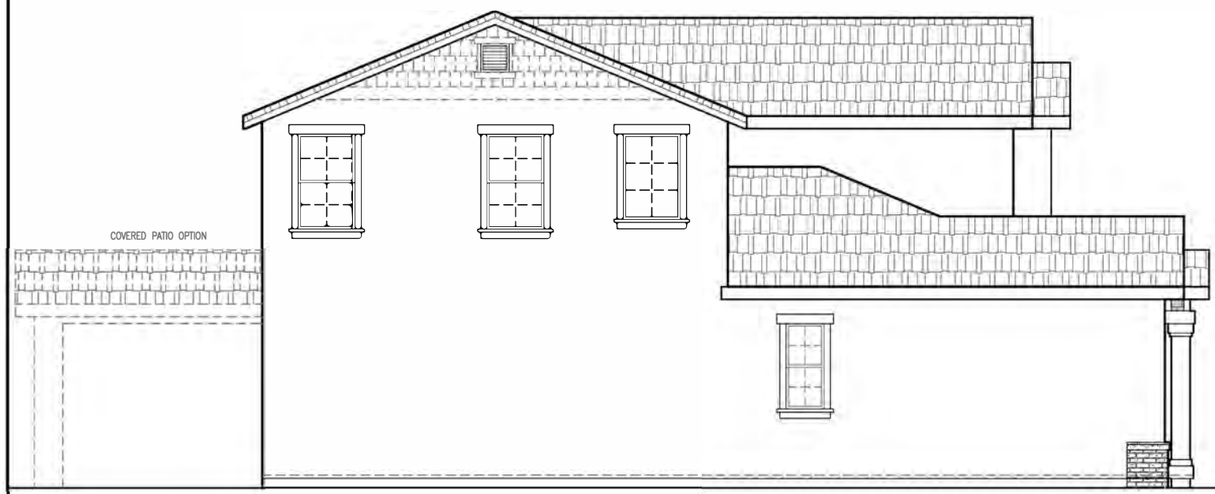
John Mourier Construction Inc.
Roseville, California



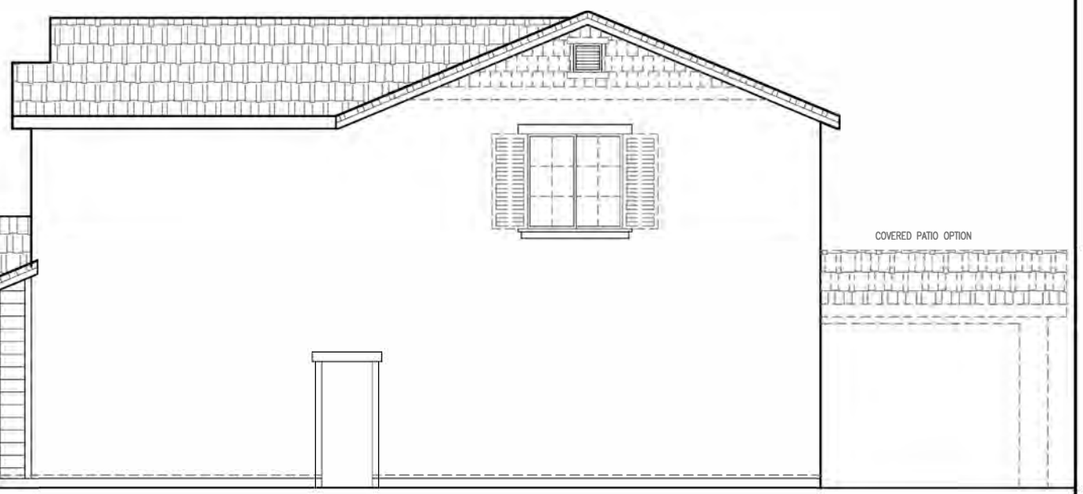
FRONT ELEVATION 'D'
SCALE: 1/8"=1'-0"



REAR ELEVATION 'D'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'D'
SCALE: 1/8"=1'-0"



RIGHT ELEVATION 'D'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.

2341 'D' ELEVATIONS
SIERRA VISTA
JM-40

JMC HOMES

John Mourier Construction Inc.
Roseville, California

SIERRA VISTA
ENHANCED FRONT YARD LANDSCAPING STREET SCAPE

ENHANCED LANDSCAPE:

SHRUBS: (11) 1 GALLON MEDIUM SHRUBS; (3) 5 GALLON LARGE SHRUBS

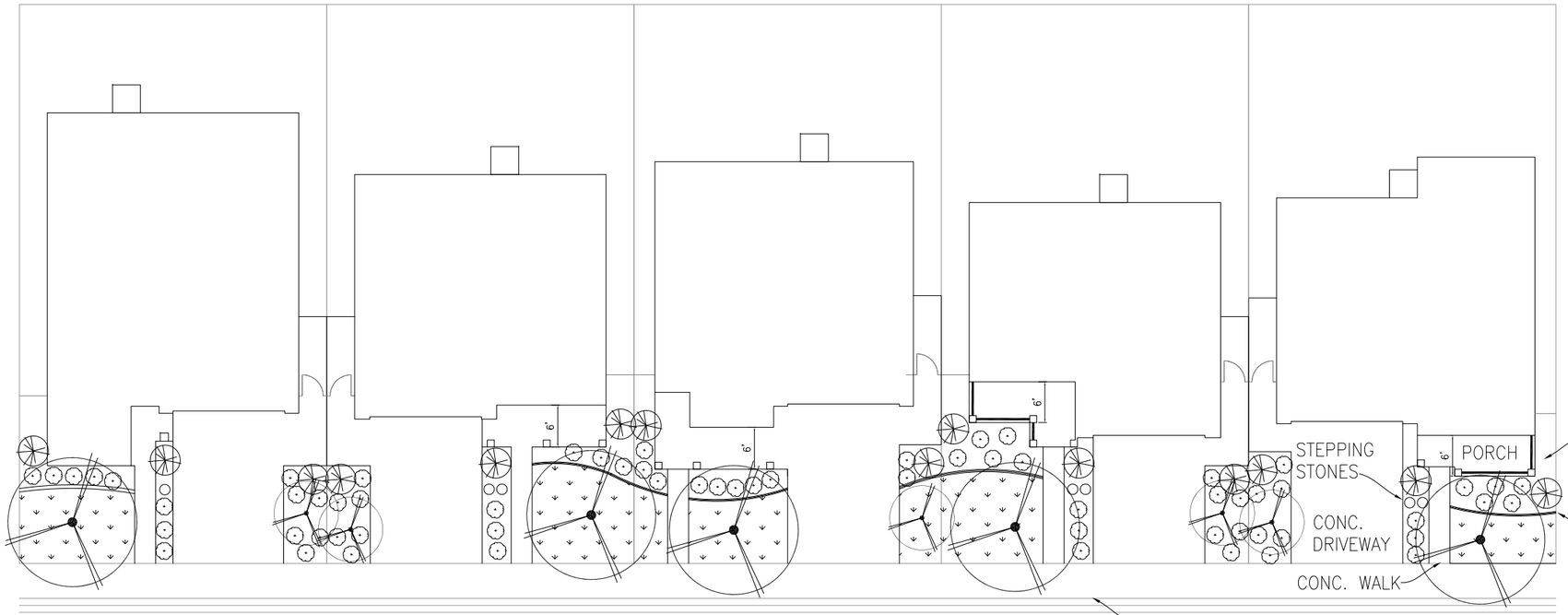
TREES: (1) 15 GALLON STREET TREE
(1) 15 GALLON ACCENT TREE

WHEN TWO DRIVEWAYS ARE ADJACENT, OMIT LAWN BETWEEN DRIVEWAYS AND ADD 3 ADDITIONAL 1 GALLON SHRUBS.

±15' CONCRETE CURBING MIN. CONCRETE CURBING TO TIE INTO CONCRETE CURBING ON ADJOINING LOT(S)

CONCRETE WALKWAY FROM FRONT DOOR TO SIDEWALK WITH STEPPING STONE(S) TO CONNECT DRIVEWAY TO WALK OR PORCH.

TURF QUANTITY IS SUBJECT TO WELO REQUIREMENTS. TURF MUST EQUAL 42% OR LESS OF LANDSCAPABLE AREA.



ENHANCED LANDSCAPING

LEGEND

	SOD
	CONCRETE
	CONCRETE CURBING
	WOOD FENCE
○	18" STEPPING STONE
⊙	1 GALLON MED. SHRUB
⊛	5 GALLON LARGE SHRUB
	15 GALLON ACCENT TREE
	15 GALLON STREET TREE

PARK

Plant Pallet A:

SHRUBS: 1 GALLON MEDIUM
DIETES 'BICOLOR' (AFRICAN IRIS)
COLEONEMA 'COMPACTA' (BREATH OF HEAVEN)
5 GALLON LARGE
RHAPHIOLEPIS 'SPRINGTIME' (INDIAN HAWTHORN)

TREES: 15 GALLON ACCENT
PHOTINIA FRASERI (RED TIP)
15 GALLON STREET
QUERCUS VIRGINIANA (SOUTHERN LIVE OAK)

Plant Pallet B:

SHRUBS: 1 GALLON MEDIUM
AGAPANTHUS AFRICANUS 'QUEEN ANNE'
NANDINA DOMESTICA 'FIREPOWER' (HEAVENLY BAMBOO)
5 GALLON LARGE
PHORMIUM 'EVENING GLOW' (FLAX BUSH)

TREES: 15 GALLON ACCENT
LAGERSTROEMIA 'INDICA' (CREPE MRYTLE)
15 GALLON STREET
MAGNOLIA GRANDIFLORA (SOUTHERN MAGNOLIA)

Plant Pallet C:

SHRUBS: 1 GALLON MEDIUM
JUNIPERUS PROCUMBENS 'GREENMOUND'
TULBAGIA VIOLACEA (SOCIETY GARLIC)
5 GALLON LARGE
PITTOSPORUM 'TOBRIA'

TREES: 15 GALLON ACCENT
PYRUS CALLERYANA (ORNAMENTAL PEAR)
15 GALLON STREET
QUERCUS VIRGINIANA (SOUTHERN LIVE OAK)

SCALE: 1"=20'-0"
5/28/13

JMC HOMES

JOHN MOURIER CONSTRUCTION INC.
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CALIFORNIA LIC. 613004 B

SIERRA VISTA
CORNER LOT LANDSCAPING

QUANTITIES BELOW ARE IN ADDITION TO THE STANDARD FRONT YARD LANDSCAPING TO BE APPLIED TO THE SIDE YARD OF CORNER LOTS.

SEE ENHANCED FRONT YARD LANDSCAPING EXHIBITS FOR PLANT PALLET.

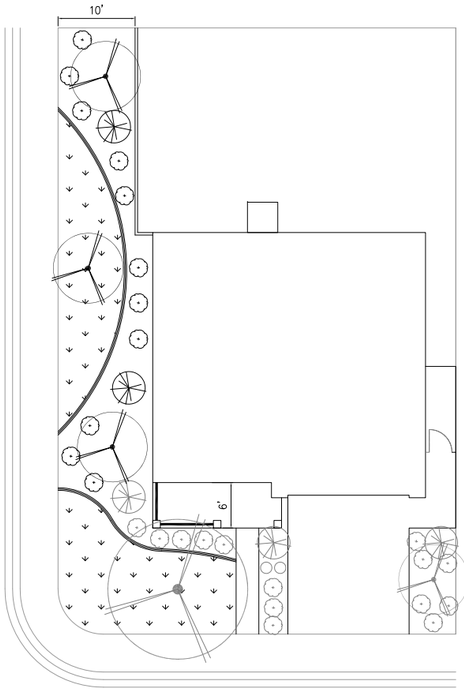
CORNER LANDSCAPE:

SHRUBS: (11) 1 GALLON MEDIUM SHRUBS; (2) 5 GALLON LARGE SHRUBS

TREES: (3) 15 GALLON ACCENT TREES

±45' CONCRETE CURBING MIN. CONCRETE CURBING.

TURF QUANTITY IS SUBJECT TO WELO REQUIREMENTS. TURF MUST EQUAL 42% OR LESS OF LANDSCAPABLE AREA.



ENHANCED LANDSCAPING

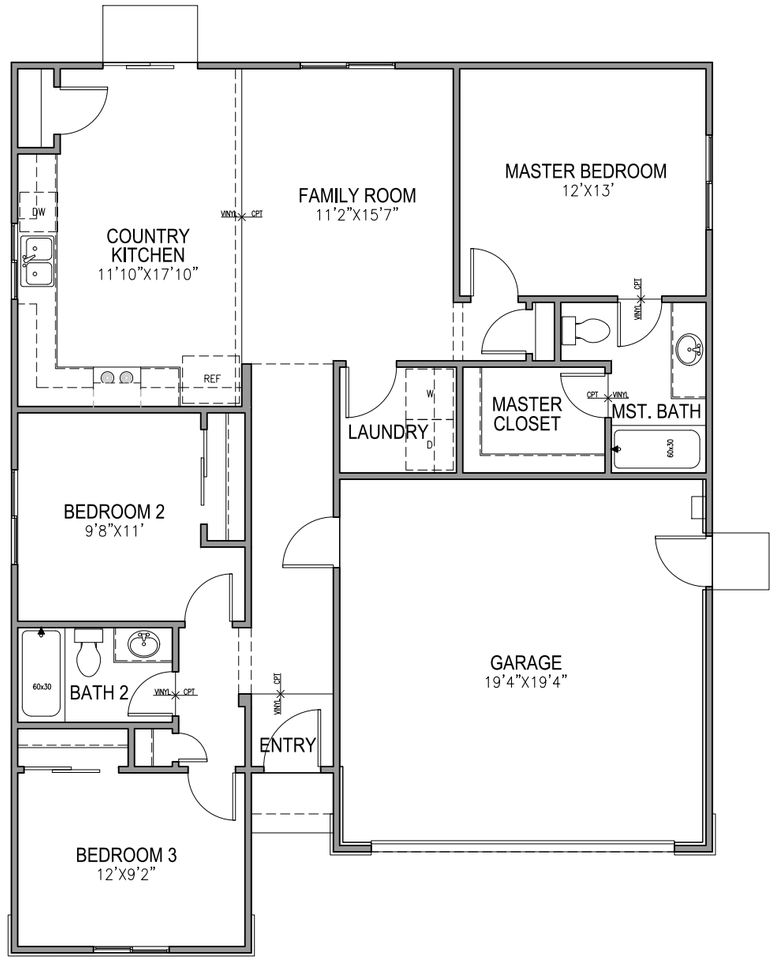
LEGEND	
	SOD
	CONCRETE
	CONCRETE CURBING
	WOOD FENCE
	18" STEPPING STONE
	1 GALLON MED. SHRUB
	5 GALLON LARGE SHRUB
	15 GALLON ACCENT TREE
	15 GALLON STREET TREE

SCALE: 1"=20'-0"

5/28/13

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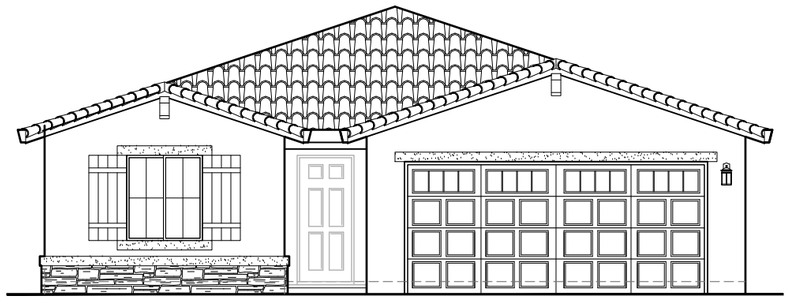
FIRST FLOOR PLAN

SCALE: 1/8"=1'-0"

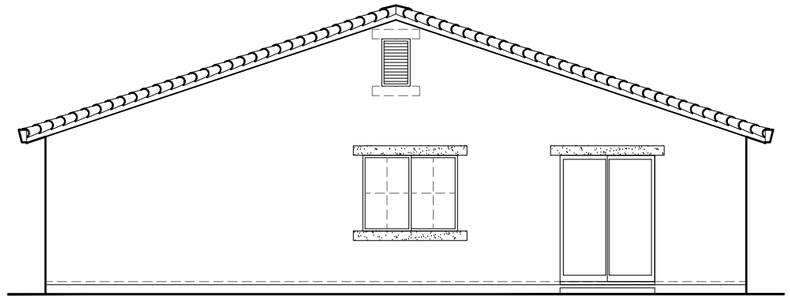
1203 FLOOR PLAN
SIERRA VISTA
JM40

JMC HOMES

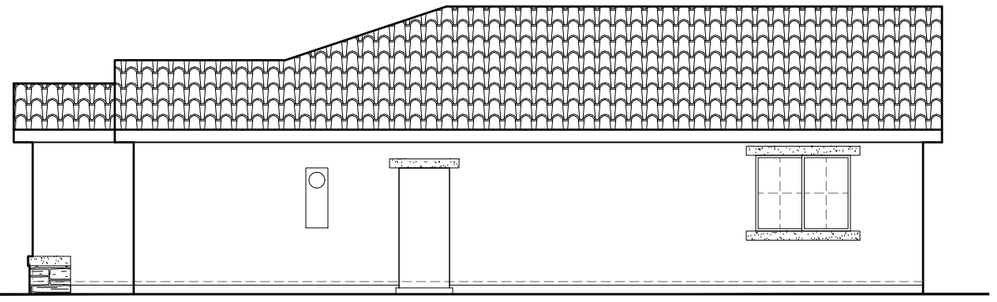
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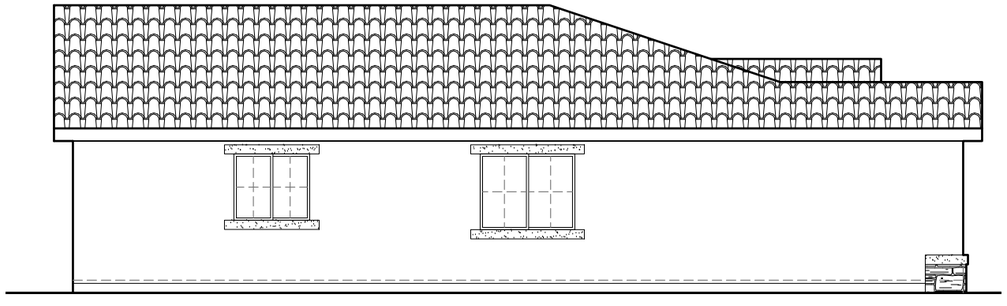
FRONT ELEVATION 'A'
SCALE: 1/8"=1'-0"



REAR ELEVATION 'A'
SCALE: 1/8"=1'-0"



RIGHT ELEVATION 'A'
SCALE: 1/8"=1'-0"

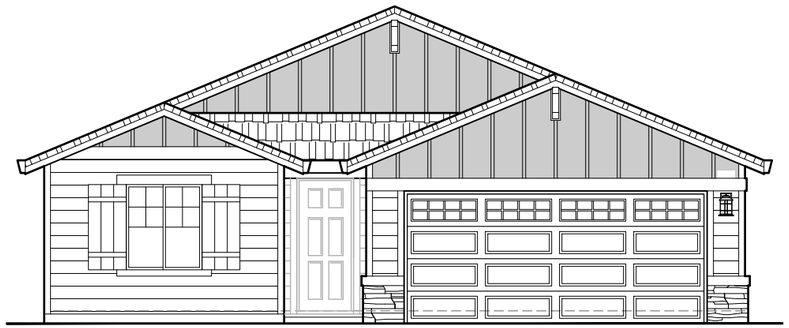


LEFT ELEVATION 'A'
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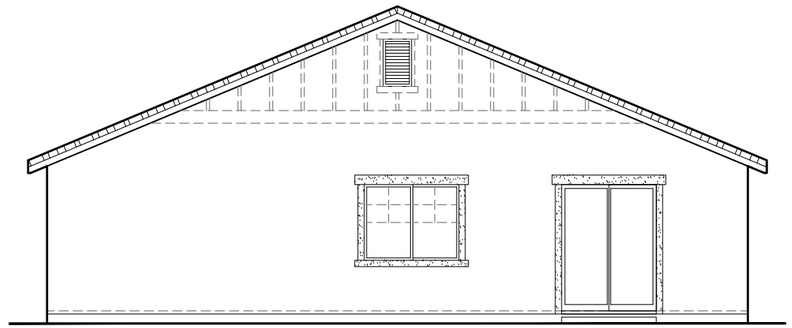
1203 'A' ELEVATIONS
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JM40

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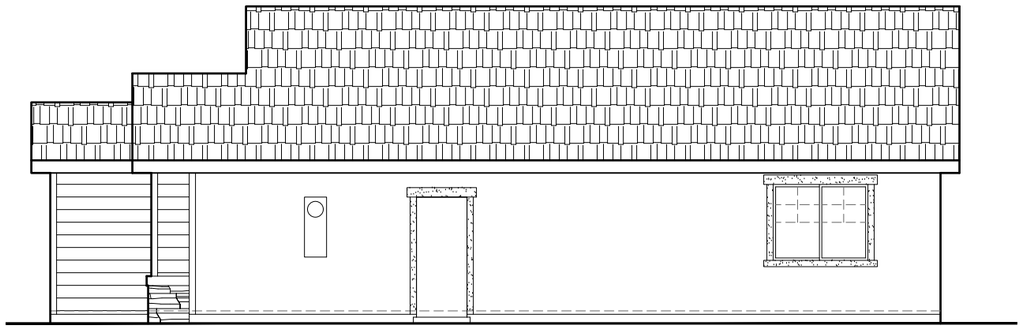
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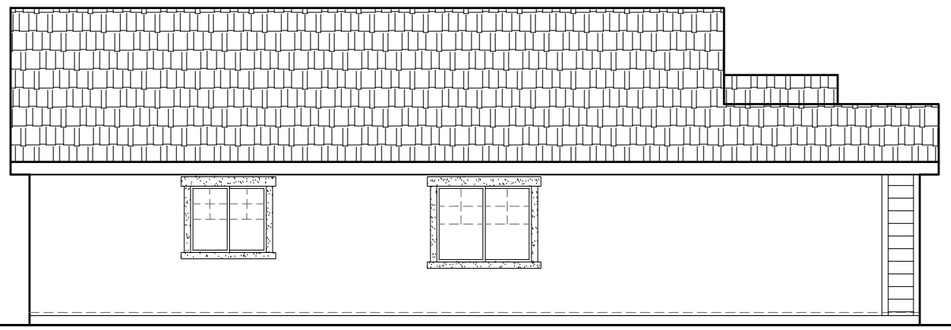
FRONT ELEVATION 'B'
SCALE: 1/8"=1'-0"



REAR ELEVATION 'B'
SCALE: 1/8"=1'-0"



RIGHT ELEVATION 'B'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'B'
SCALE: 1/8"=1'-0"

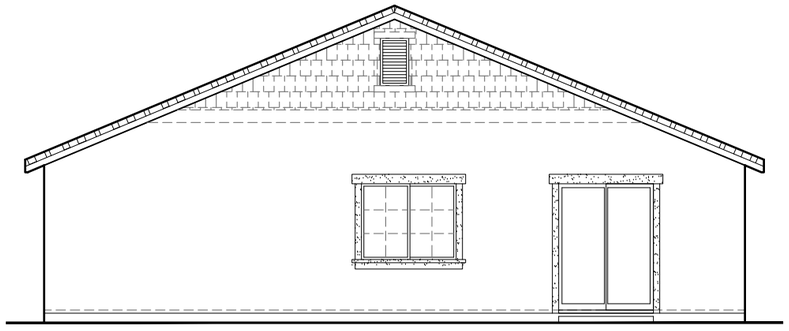
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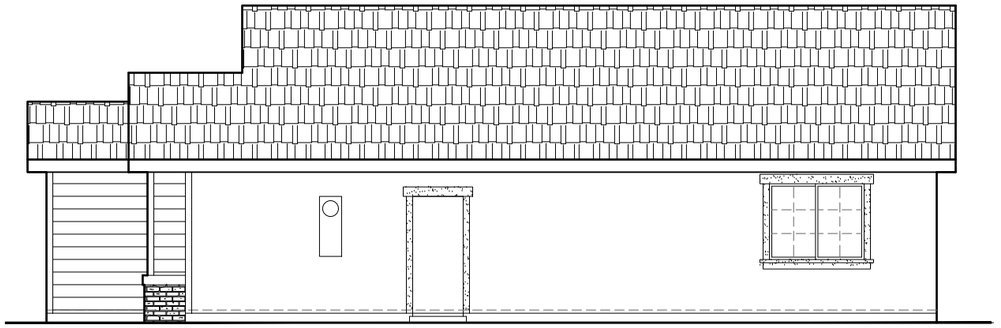


FRONT ELEVATION 'C'
SCALE: 1/8"=1'-0"

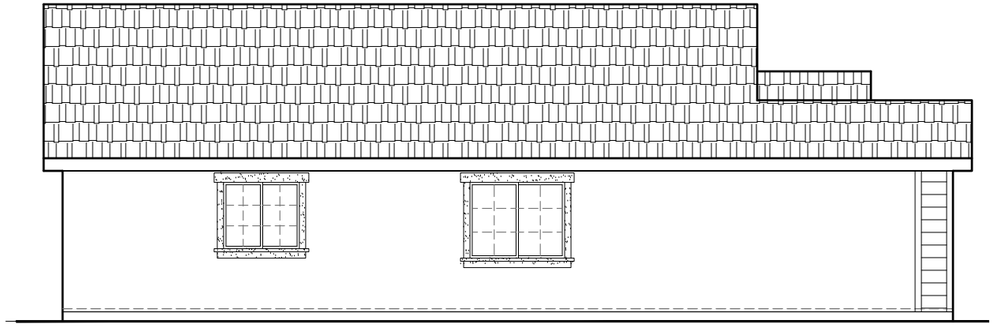


REAR ELEVATION 'C'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.



RIGHT ELEVATION 'C'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'C'
SCALE: 1/8"=1'-0"

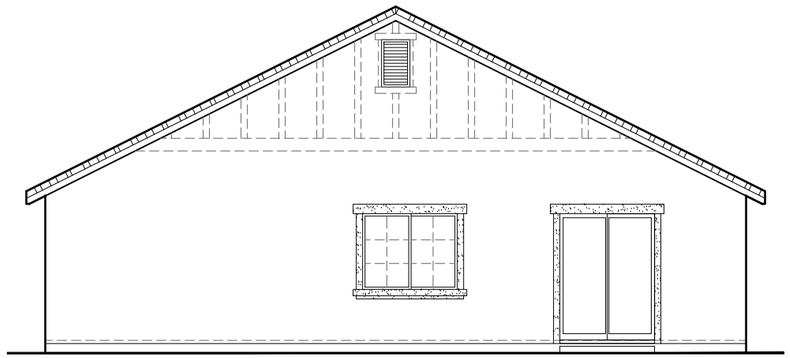
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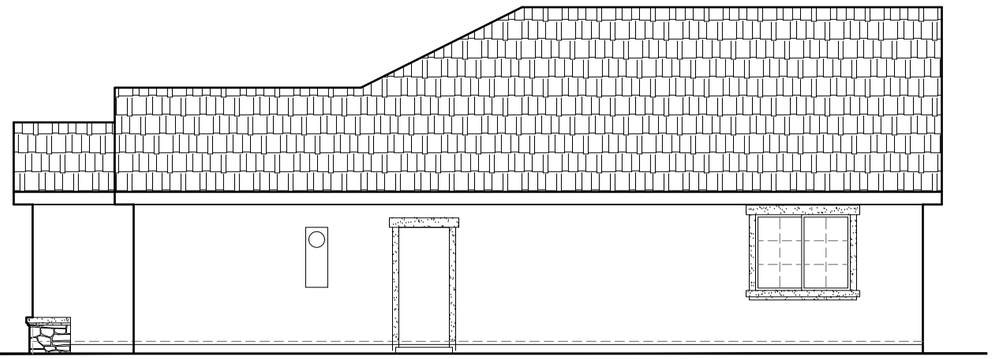


FRONT ELEVATION 'D'
SCALE: 1/8"=1'-0"

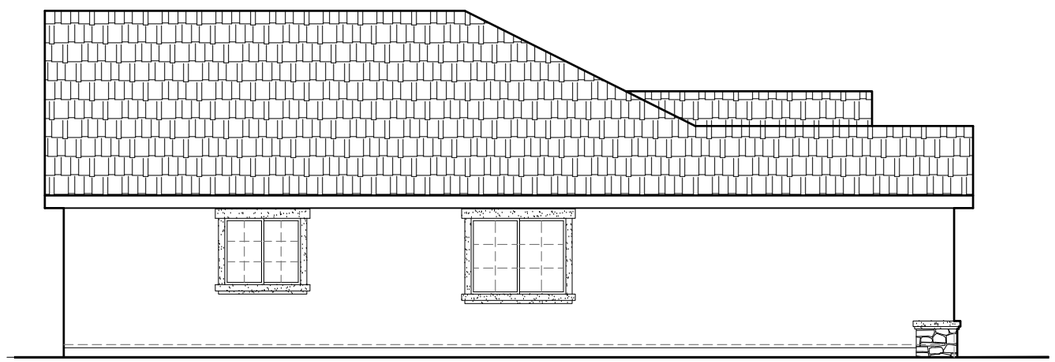


REAR ELEVATION 'D'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.



RIGHT ELEVATION 'D'
SCALE: 1/8"=1'-0"

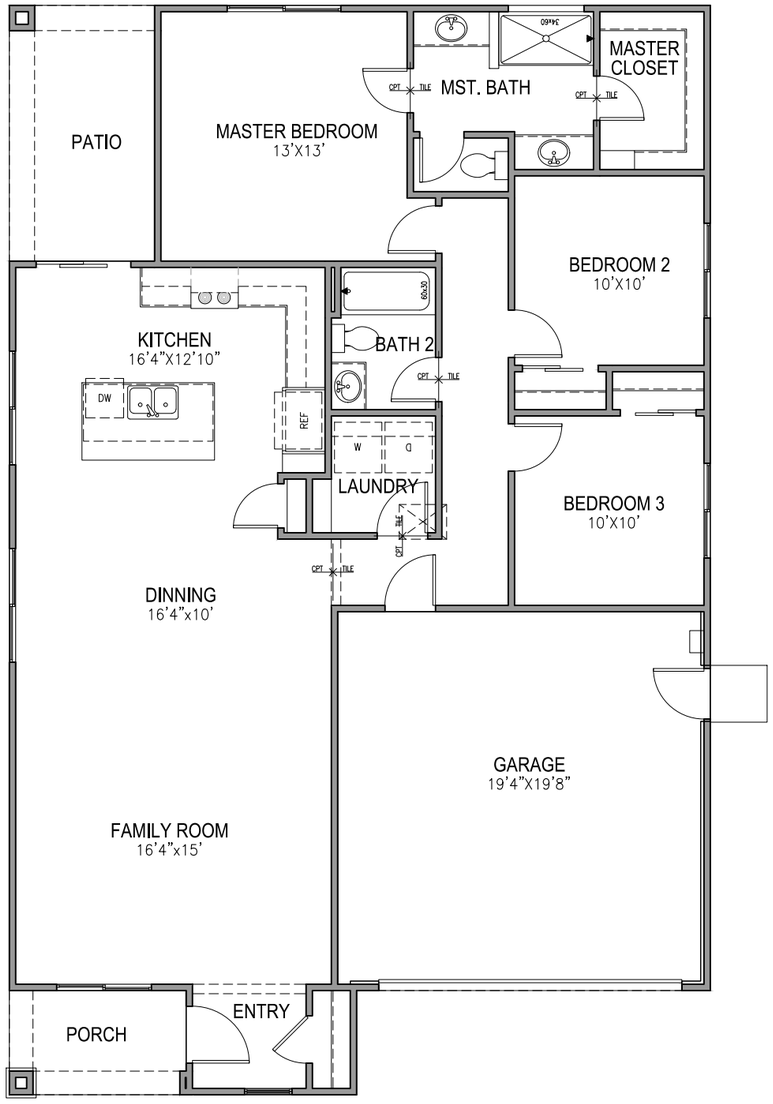


LEFT ELEVATION 'D'
SCALE: 1/8"=1'-0"

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FIRST FLOOR PLAN

SCALE: 1/8"=1'-0"

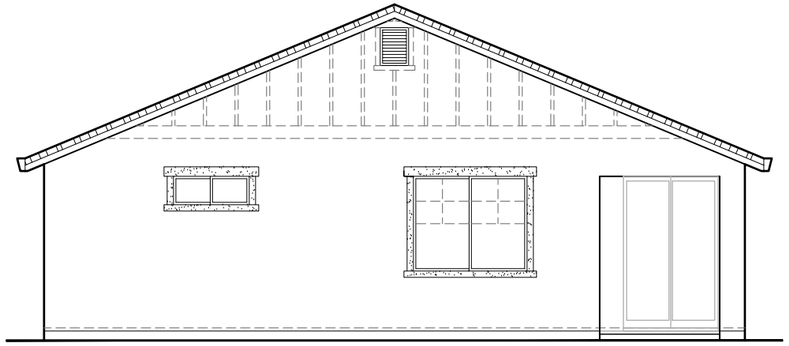
1477 FLOOR PLAN
SIERRA VISTA
JM40

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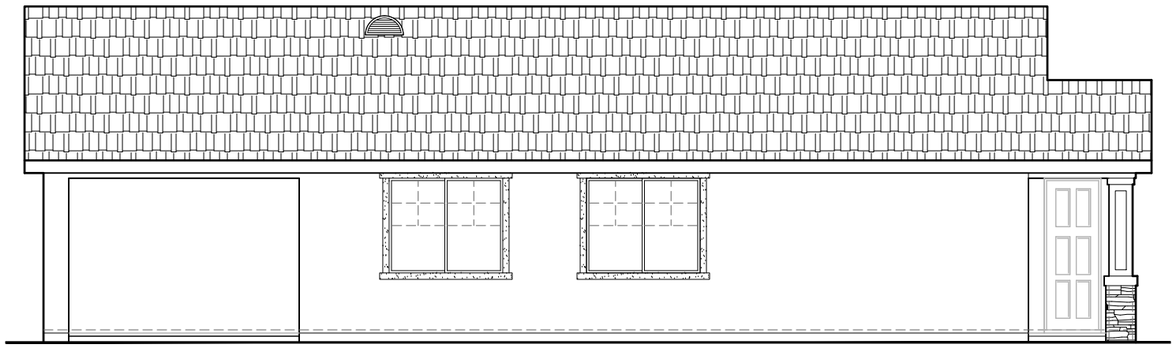
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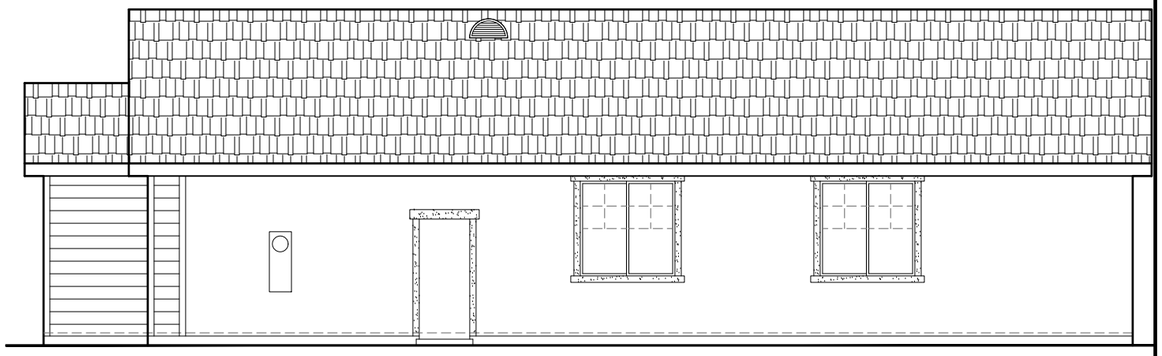
FRONT ELEVATION 'B'
SCALE: 1/8"=1'-0"



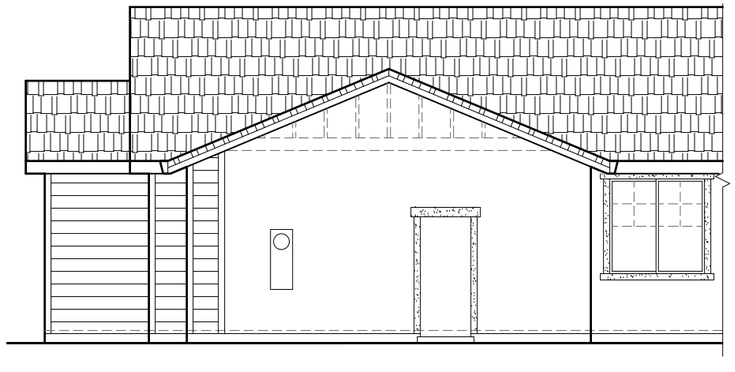
REAR ELEVATION 'B'
SCALE: 1/8"=1'-0"



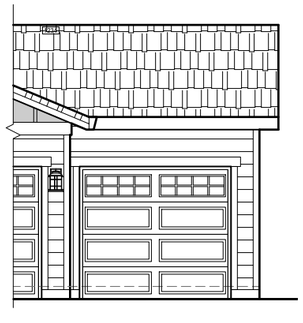
LEFT ELEVATION 'B'
SCALE: 1/8"=1'-0"



RIGHT ELEVATION 'B'
SCALE: 1/8"=1'-0"



GARAGE OPT
SCALE: 1/8"=1'-0"



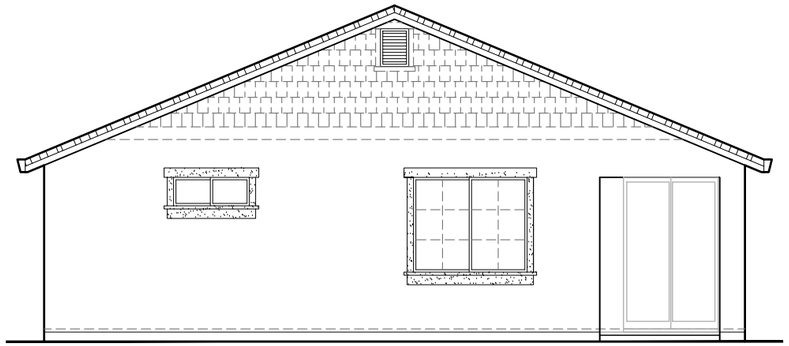
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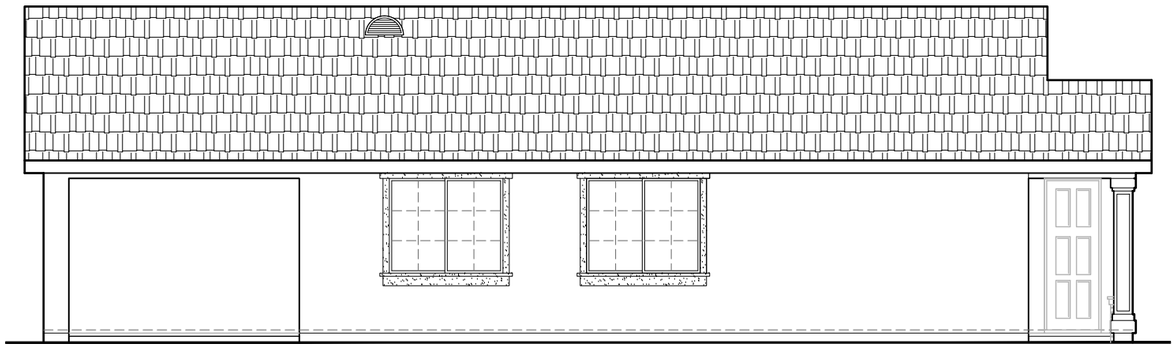
SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.



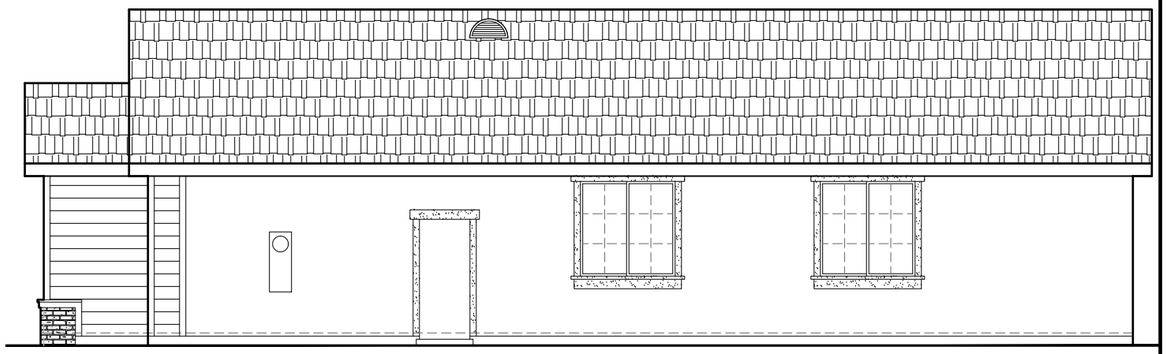
FRONT ELEVATION 'C'
SCALE: 1/8"=1'-0"



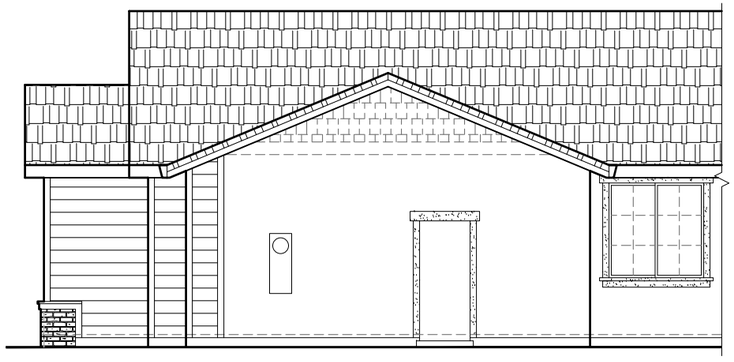
REAR ELEVATION 'C'
SCALE: 1/8"=1'-0"



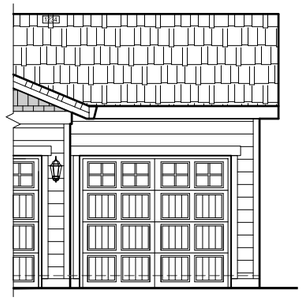
LEFT ELEVATION 'C'
SCALE: 1/8"=1'-0"



RIGHT ELEVATION 'C'
SCALE: 1/8"=1'-0"



GARAGE OPT
SCALE: 1/8"=1'-0"



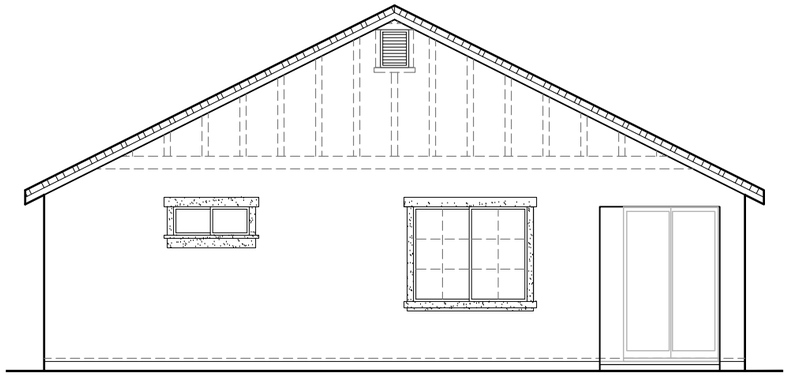
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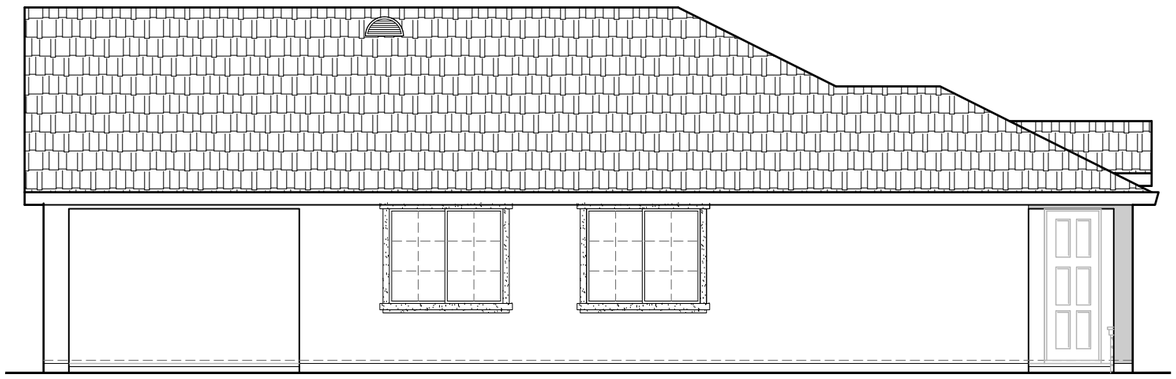
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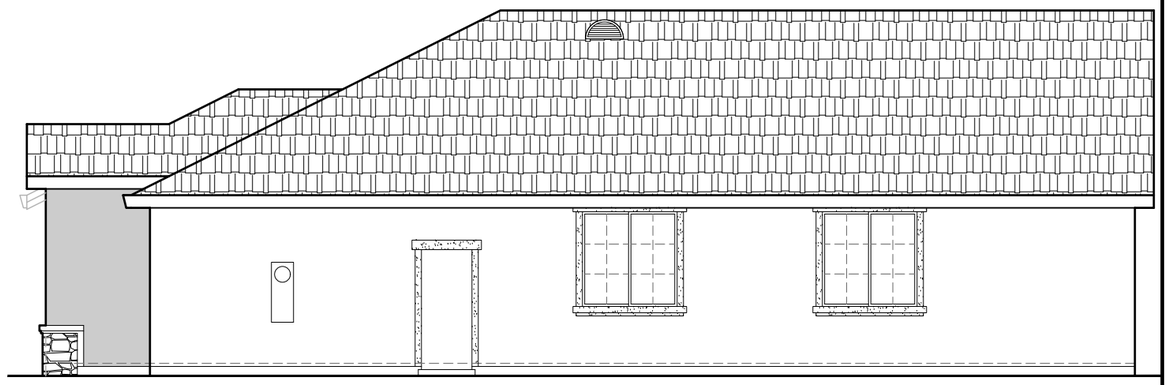
FRONT ELEVATION 'D'
SCALE: 1/8"=1'-0"



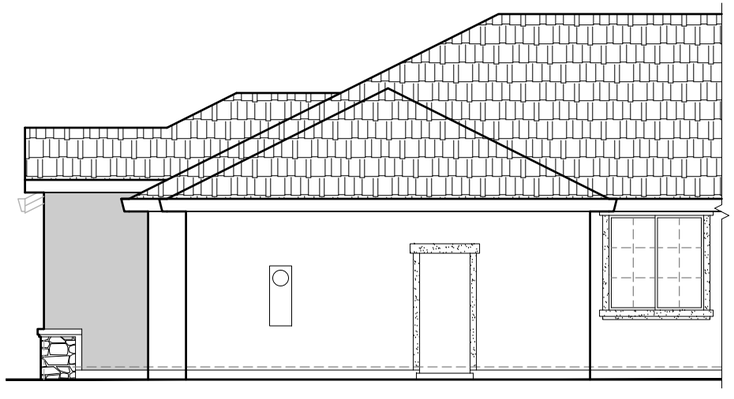
REAR ELEVATION 'D'
SCALE: 1/8"=1'-0"



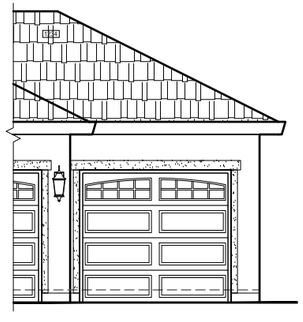
LEFT ELEVATION 'C'
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RIGHT ELEVATION 'C'
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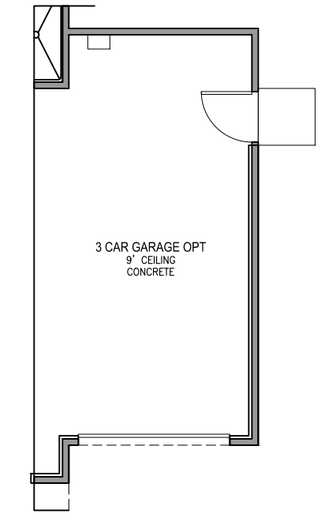


GARAGE OPT
SCALE: 1/8"=1'-0"

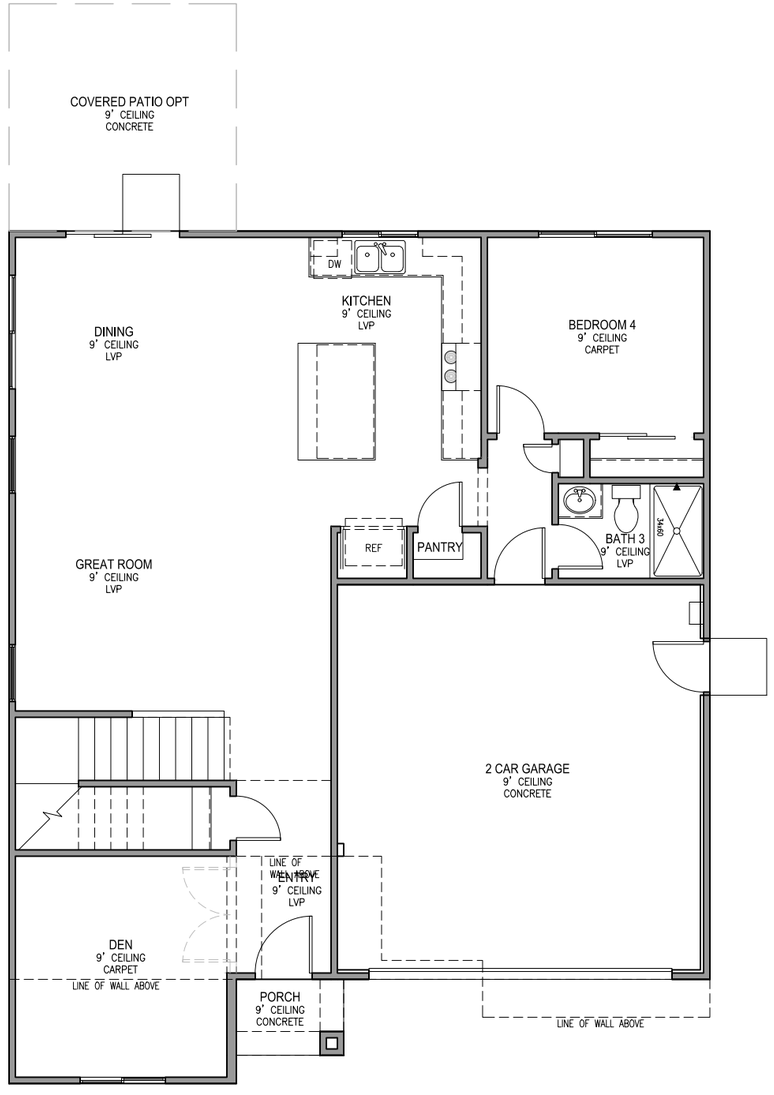


1477 'D' ELEVATIONS
SIERRA VISTA
JM40

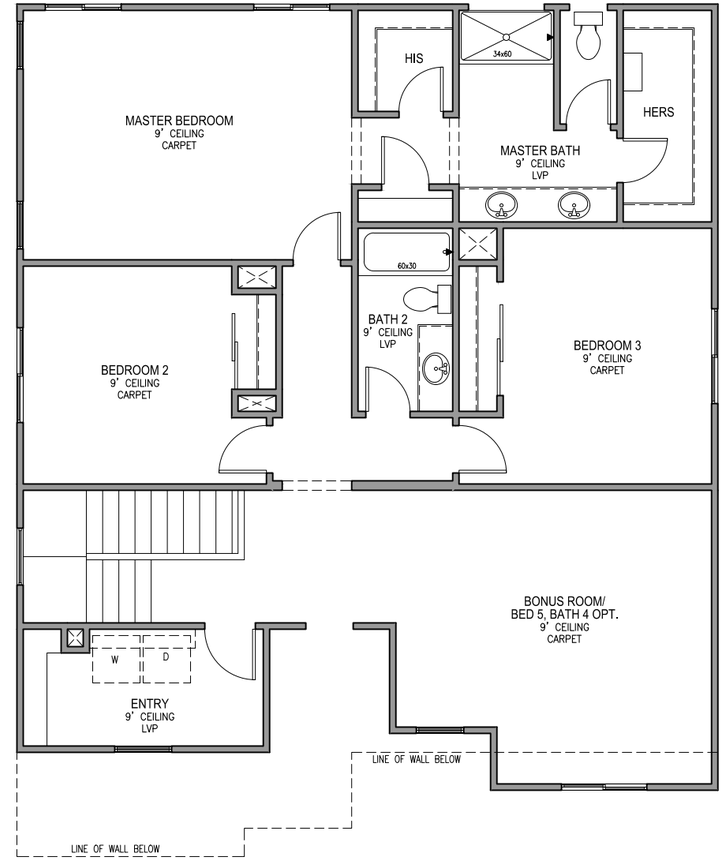
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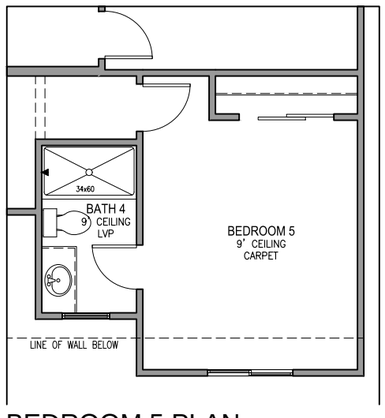
3 CAR GARAGE PLAN
SCALE: 1/8"=1'-0"



FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"



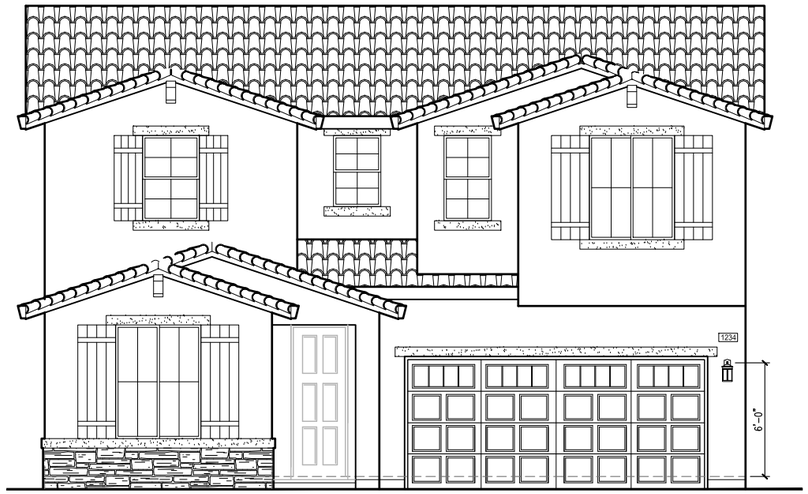
SECOND FLOOR PLAN
SCALE: 1/8"=1'-0"



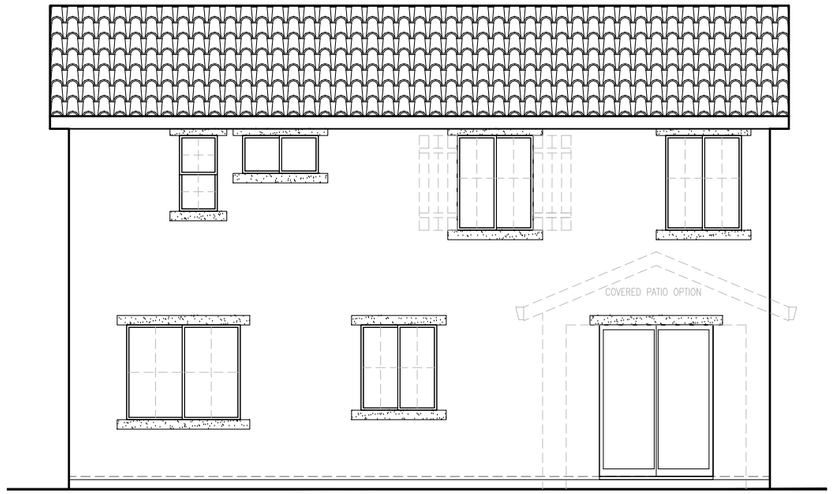
BEDROOM 5 PLAN
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2492 FLOOR PLAN
SIERRA VISTA
JM20

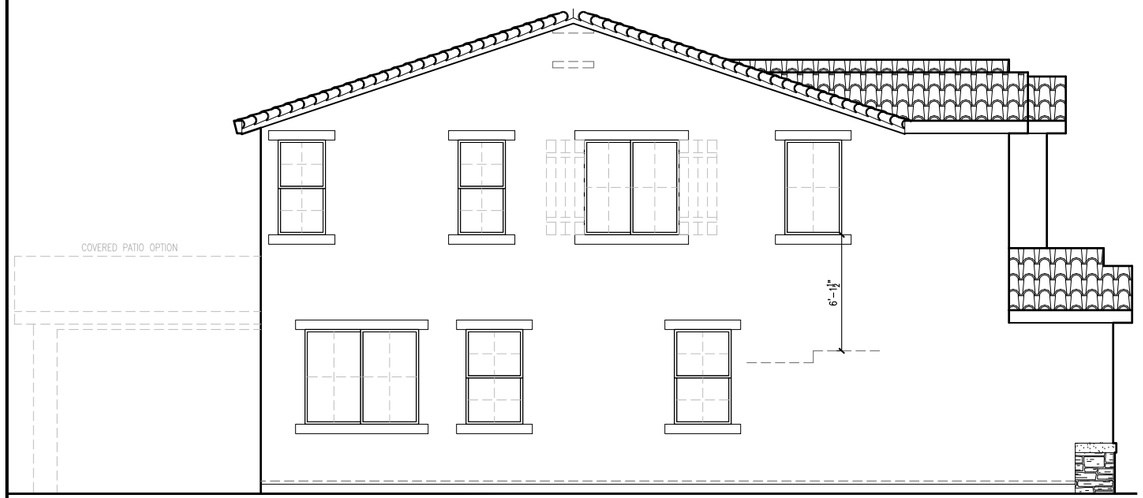
JMC HOMES
John Mourier Construction Inc.
Roseville, California



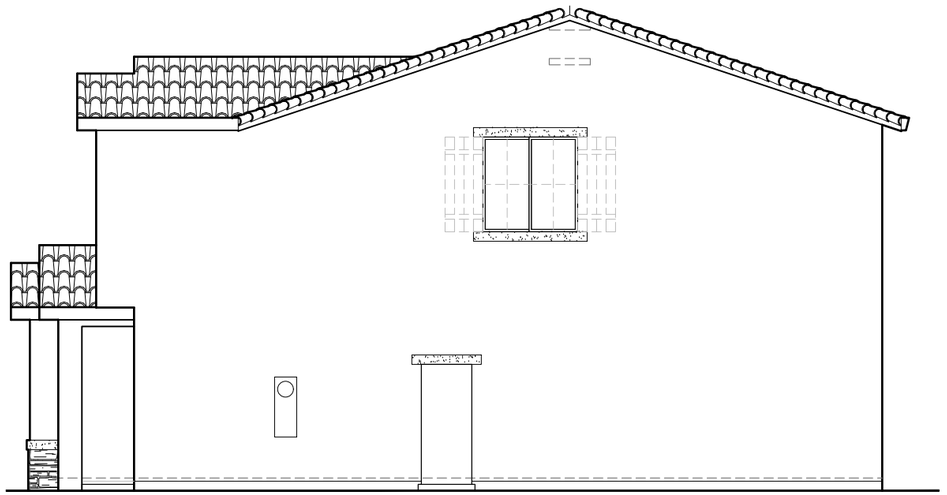
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REAR ELEVATION 'A'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'A'
SCALE: 1/8"=1'-0"



RIGHT ELEVATION 'A'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.

2492 'A' ELEVATIONS
SIERRA VISTA
JM20

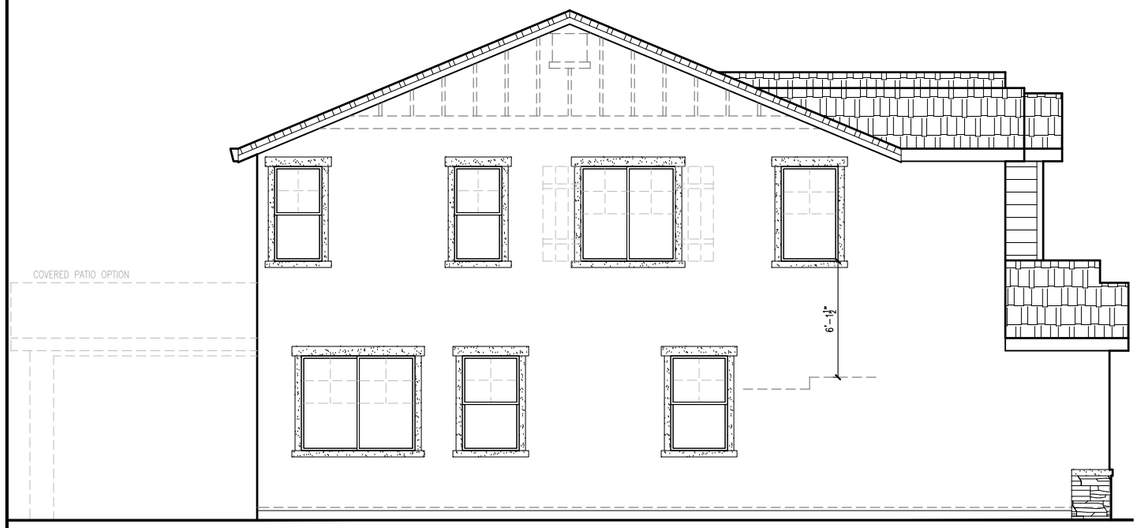
JMC HOMES
John Mourier Construction Inc.
Roseville, California



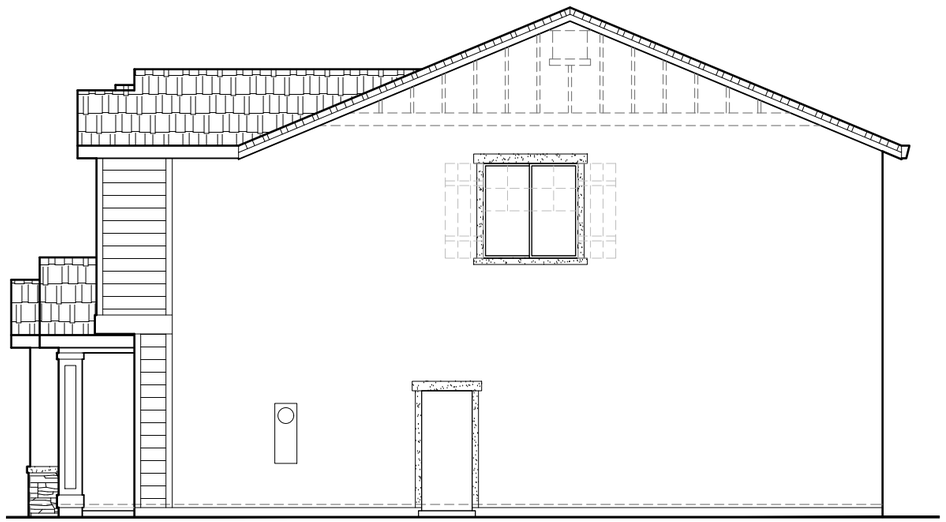
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REAR ELEVATION 'B'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'B'
SCALE: 1/8"=1'-0"



RIGHT ELEVATION 'B'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.

2492 'B' ELEVATIONS
SIERRA VISTA
JM20

JMC HOMES
John Mourier Construction Inc.
Roseville, California



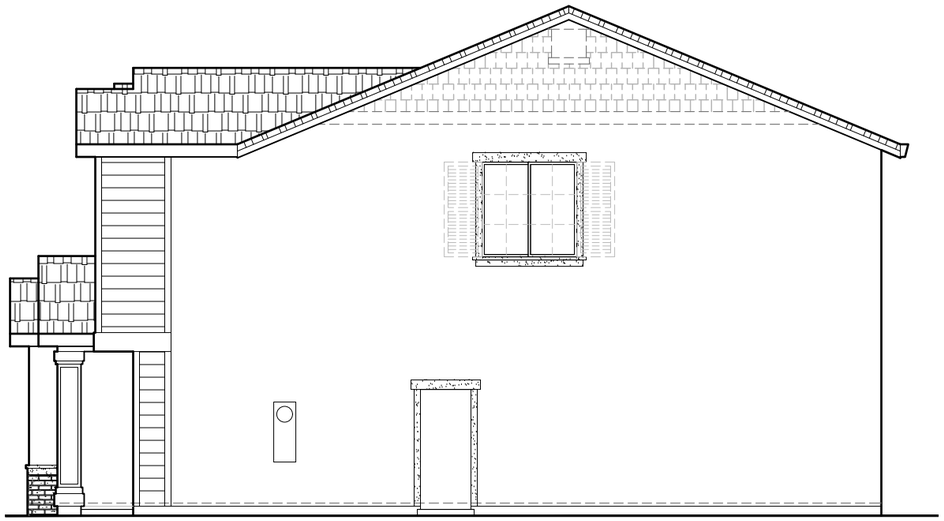
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REAR ELEVATION 'C'
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LEFT ELEVATION 'C'
SCALE: 1/8"=1'-0"



RIGHT ELEVATION 'C'
SCALE: 1/8"=1'-0"

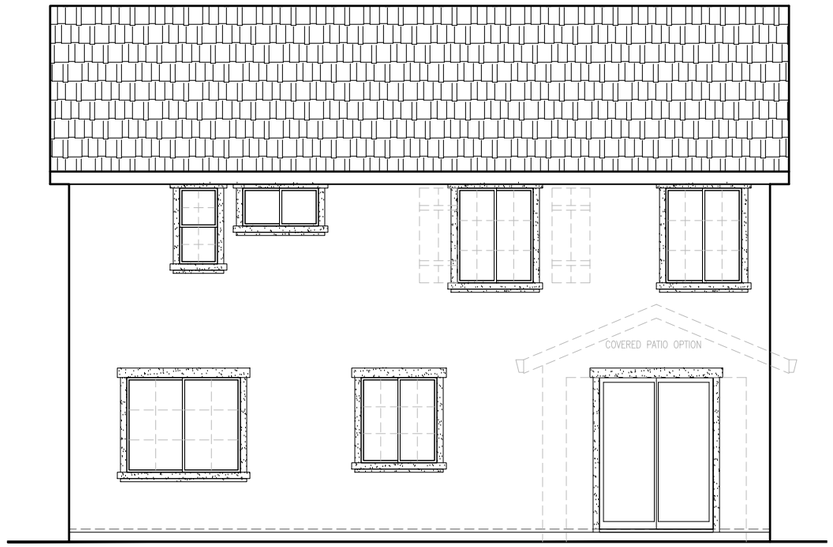
SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.

2492 'C' ELEVATIONS
SIERRA VISTA
JM20

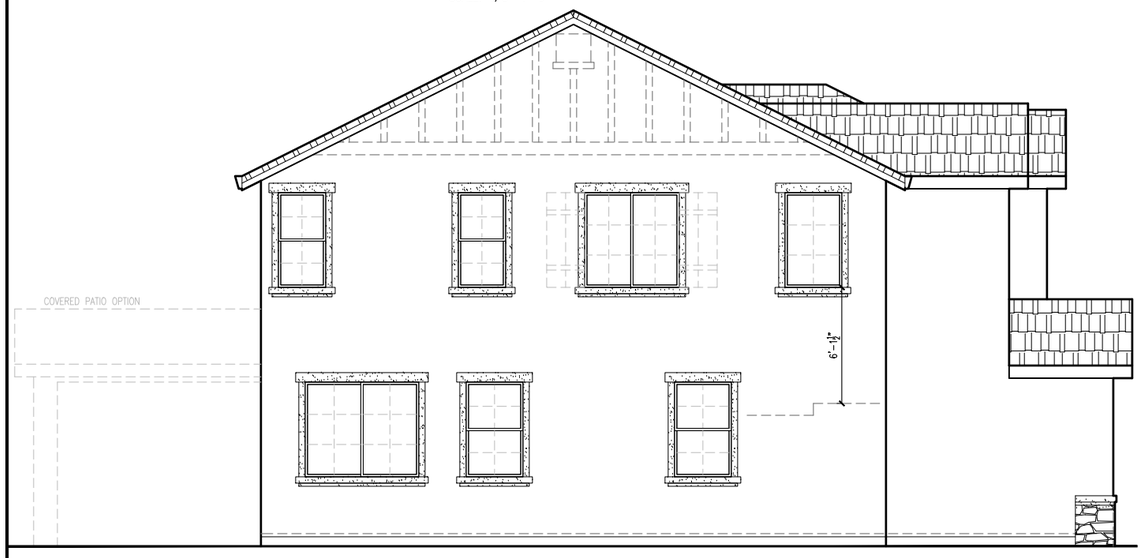
JMC HOMES
John Mourier Construction Inc.
Roseville, California



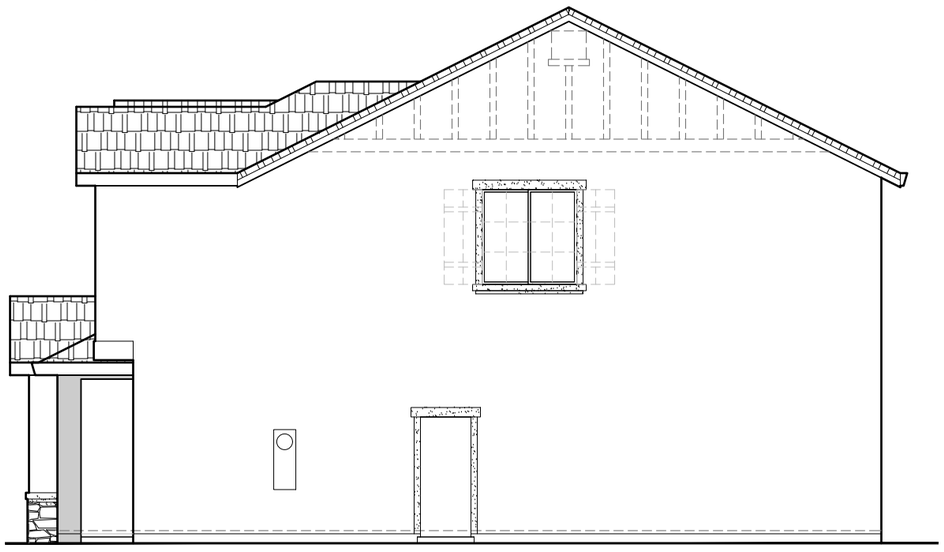
FRONT ELEVATION 'D'
SCALE: 1/8"=1'-0"



REAR ELEVATION 'D'
SCALE: 1/8"=1'-0"



LEFT ELEVATION 'D'
SCALE: 1/8"=1'-0"



RIGHT ELEVATION 'D'
SCALE: 1/8"=1'-0"

SIDE AND REAR ELEVATION ENHANCEMENTS (DASHED LINES) TO BE SELECTED WHENEVER SIDE IS ADJACENT TO A STREET, OPEN SPACE, OR OTHER PUBLIC LOCATION.

2492 'D' ELEVATIONS
SIERRA VISTA
JM20

JMC HOMES
John Mourier Construction Inc.
Roseville, California

PLANNING DEPARTMENT

311 Vernon Street, Roseville, CA 95678 (916) 774-5276

Guidelines for Conversion of Non-Residential Land Uses

August 4, 2004

Intent:

In response to pressures to convert portions of the City's non-residential land use inventory the City has developed the following guidelines for the consideration of land use changes. The intent of the guidelines is to articulate the City's expectations relating to land use change proposals. These guidelines are to be applied as performance measures in the preparation and review of any such proposals. The guidelines are not intended to be inclusive of all City development requirements, but rather supplement those requirements by identifying or emphasizing concepts particularly important or unique to potential land use changes. It is expected that the City's emphasis on certain concepts or requirements will change overtime. Therefore, the guidelines are to be a fluid document to be revisited every two years and updated to reflect the City's present need.

In consideration of the unique attributes and constraints of various areas of the City, the guidelines have been divided in two areas those guidelines that are applicable to the infill area and those that are applicable to the balance of the City. A map depicting these areas is attached.

Infill

The overarching goal to be applied to land use changes within the infill portion of the City is to encourage and emphasize reinvestment and revitalization without creating undue burdens and barriers to development while preserving neighborhood compatibility.

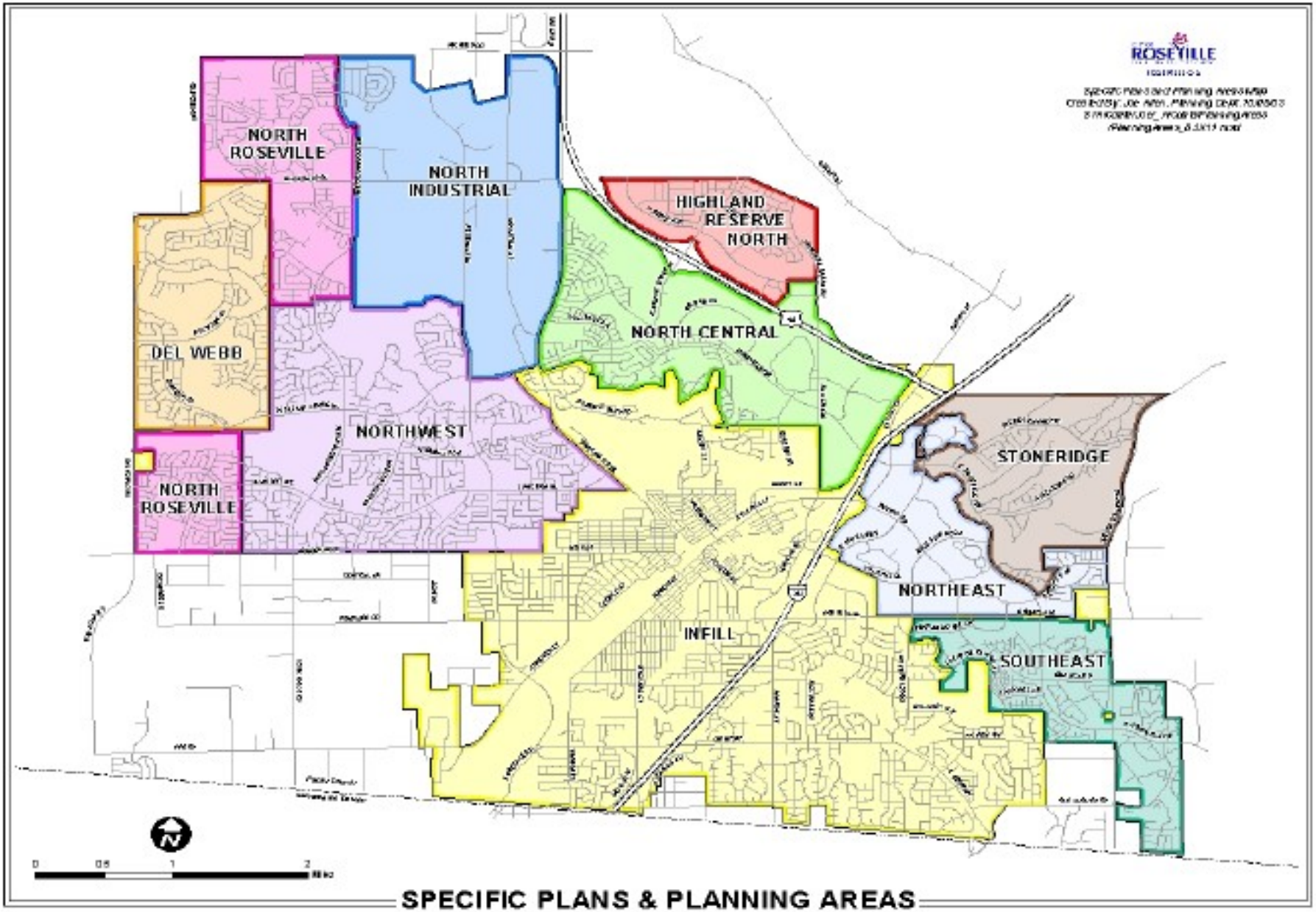
1. Infill properties are identified as those properties located within the City's infill planning area as designated on the City's Zoning Map.
2. Parks obligation to include payment of citywide and neighborhood park fees. Neighborhood Park fees are to be applied to infill neighborhood park improvements as identified on an infill park CIP projects list. Where the Parks Department demonstrates a park need a Parkland dedication or in-lieu park fee for land dedication may be negotiated and evaluated on a project by project basis, based on the nature of the project and the benefit to the City.
3. Encourage the use of private passive open space in-lieu of land dedication for infill projects.
4. Off site utilities (e.g. water, sewer, electric) that serve more than the specific project are not the sole responsibility of the project. Over-sizing of improvements or upgrading to City standards may be available for City reimbursement. The City may develop a CIP for off site improvements for which a project may pay an impact fee in lieu of constructing the improvement. Each project shall be reviewed on a case-by-case basis and shall be conditioned accordingly.
5. School impacts shall be mitigated through new impact agreements executed to reflect the payment of the City's existing infill school impact fees.
6. New housing development shall meet the City's 10% goal (4% affordable to very low, 4% affordable to low, and 2% affordable to middle income) except redevelopment areas shall provide 15%. (Of those 40% affordable to very low income and the balance affordable to low/middle income).
7. A land use change on the Placer County Fair Grounds shall require a master plan.

8. Encourage higher density residential mixed-use projects with consideration to the relaxing of any one guideline or multiple guidelines to promote and provide incentives for innovative higher density residential mixed-use projects.

Balance of the City

The overarching goal to be applied to land use changes for the balance of the City is to maintain the City's fiscal balance and prevent the loss of jobs and existing job centers while maintaining a balanced community.

1. Balance of the City includes properties within all specific plans and the North Industrial Plan area.
2. A region wide employment and land inventory study shall be required of each project that is equal to or greater than 50 acres.
3. Land use changes will not have a negative fiscal impact to the City. Each project shall be modeled individually for citywide impacts utilizing the City's fiscal model.
4. Projects that are 50 acres or greater in size shall maintain employment options and a favorable jobs housing balance.
5. New housing development shall meet the City's 10% goal consistent with the Housing Element (4% affordable to very low, 4% affordable to low, and 2% affordable to middle income).
6. Projects shall provide a specific public benefit that may be in the form of a community benefit fee.
7. Increases in general fund service demands shall be mitigated by establishment of or annexation into a Community Facilities Mello Roos Assessment District to offset the costs of the project. The assessment may be utilized to offset the cost of the following: public safety; parks and open space maintenance; storm water management; and other costs identified by the City.
8. Parks obligation to include payment of citywide and neighborhood park fees. Active park needs shall be provided by the project. An in-lieu parkland dedication fee may be negotiated in lieu of land based on the project. For each acre of parkland dedication mitigated by an in-lieu fee a corresponding in-lieu fee shall be paid for park improvements. The in-lieu fees shall provide improvements of local benefit.
9. Place emphasis on the dedication of parklands within specific plan areas rather than acceptance of and in-lieu fee for land dedication.
10. Utilities (e.g. water, sewer, electric) shall not be impacted as to conveyance or capacity.
11. School impacts shall be mitigated through new impact agreements executed with the school districts to ensure that the projects student generation is accommodated.
12. Residential units not utilized within a specific plan area shall be reallocated within that plan area and school district. Otherwise, requests for units shall be considered as additive to the City's existing unit allocation.
13. Encourage higher density residential mixed-use projects with consideration to the relaxing of any one guideline or multiple guidelines to promote and provide incentives for innovative higher density residential mixed-use projects.



SPECIFIC PLANS & PLANNING AREAS

DPFG
DEVELOPMENT PLANNING & FINANCING GROUP, INC.

Memorandum

To: City of Roseville
From: Development Planning & Financing Group
Date: September 10, 2020
Subject: Sierra Vista/JMC Holdings Proposed Rezone Fiscal Impact Analysis

Per the request of our client, Mourier Investments, LLC ("JMC"), we have prepared this memo to analyze the fiscal impacts of a proposed rezone of the JMC Properties ("Project") the Sierra Vista Specific Plan.

A. Background and Assumptions:

1. JMC currently controls approximately 262 acres of property located within the City of Roseville ("City") and Sierra Vista Specific Plan. The Project has been approved for development of 1,197 residential units and 188,000 square feet of nonresidential (retail/office). The residential units are broken down as 541 low density residential ("LDR"), 457 medium density residential ("MDR"), and 199 high density residential/mixed use ("HDR/CMU") units.
2. The proposed rezone would reduce the LDR units to 526 and HDR/CMU units to 176, while increasing the MDR units to 492. The overall unit count would be reduced from 1,197 units to 1,194 units. The nonresidential square footage would also be reduced to 148,000.
3. See **Table 3** for a detailed breakdown of the current and proposed land uses.

B. Summary of FIA Results:

1. DPFG used the City's FIA model from Specific Plan approval, and updated the assumptions to match the FY 2020-21 budget.
2. Using the updated assumptions, the current land use plan would generate revenues of $1,982,146 with expenditures of $2,077,137. After including CFD No. 3 project generated funds of $432,004, the current land use plan would net a positive fiscal impact to the City of $337,000. See **Table 1**.
3. The Proposed rezone would generate $1,866,024 in revenues and $2,052,339 in expenditures. After including CFD No. 3 project generated funds of $426,616, the proposed land use would net a positive fiscal impact to the City of $240,000. See **Table 1**.

C. Conclusion:

1. The conclusion of the rezone fiscal impact analysis is that the proposed changes still result in a positive net impact to the City. Although the project creates less revenue to the City overall, a reduction of $96,713, it fully covers its cost and then some. This analysis should meet the City's requirement that all new development pay for itself without affecting the General Fund.

Table 1
City of Roseville
JMC/Sierra Vista Fiscal Impact Analysis
Summary of Estimated General Fund Revenues and Expenditures (2020$)

General Fund/ Revenue or Expenditure Type	Scenario 1 Existing Land Uses	Scenario 2 Proposed Land Uses	Difference Amount	Difference Percentage
Annual General Fund Revenues				
Property Taxes[1]	$924,415	$914,926	($9,489)	-0.5%
Property Tax In-Lieu of VLF	$287,460	$284,510	($2,951)	-0.1%
Real Property Transfer Tax	$43,922	$45,515	$1,593	0.1%
Sales Taxes	$342,951	$280,285	($62,666)	-3.2%
Measure B Sales Tax	$179,380	$141,327	($38,053)	-1.9%
Prop. 172 Sales Tax	$8,036	$6,331	($1,705)	-0.1%
Hotel / Motel Tax	$38,528	$37,968	($561)	0.0%
Business License Tax	$14,459	$14,248	($210)	0.0%
Franchise Fees	$38,273	$37,716	($557)	0.0%
Electronic Franchise Fees	$104,722	$103,199	($1,524)	-0.1%
Subtotal General Fund Revenues	**$1,982,146**	**$1,866,024**	**($116,123)**	**-5.9%**
Annual General Fund Expenditures				
City Council	$2,980	$2,937	($43)	0.0%
City Manager	$23,495	$23,153	($342)	0.0%
Development & Operations	$0	$0	$0	0.0%
Public Affairs & Communications	$10,743	$10,587	($156)	0.0%
City Attorney	$33,201	$32,718	($483)	0.0%
Human Resources	$26,242	$25,860	($382)	0.0%
Information Technology	$0	$0	$0	0.0%
City Clerk	$12,817	$12,630	($186)	0.0%
Central Services	$0	$0	$0	0.0%
Finance	$70,709	$69,680	($1,029)	0.0%
Economic Development	$17,922	$17,661	($261)	0.0%
Development Services	$80,116	$78,951	($1,166)	-0.1%
Public Works	$90,363	$89,048	($1,315)	-0.1%
Police	$727,573	$716,986	($10,586)	-0.5%
Fire	$547,549	$539,582	($7,967)	-0.4%
Parks and Recreation & Libraries	$433,428	$432,546	($882)	0.0%
Subtotal General Fund Expenditures	**$2,077,137**	**$2,052,339**	**($24,798)**	**-1.2%**
Annual General Fund Operating Surplus/(Deficit)	**($94,990)**	**($186,315)**	**($91,325)**	**96.1%**
CFD No. 3	$432,004	$426,616	($5,388)	-1.2%
Subtotal Net Annual Surplus/(Deficit) including CFD No. 3	**$337,014**	**$240,301**	**($96,713)**	**-28.7%**

Source: City of Roseville FY 2020-21 Adopted Budget; DPFG.

Footnotes:

[1]Assumes Roseville - West Annexation Agreement.

Table 2
City of Roseville
JMC/Sierra Vista Fiscal Impact Analysis
General Assumptions

Item	Assumption
General Assumptions	
Base Fiscal Year[1]	FY 2020-21
General Demographic Characteristics	
City of Roseville Population[2]	145,163
City of Roseville Employees[3]	100,378
City of Roseville Persons Served[4]	195,352

Source: California Department of Finance, Claritas, and DPFG.

Footnotes:

[1]Revenues and expenditures are in 2020 dollars. Future revenues and costs are assumed to increase at the rate of inflation.

[2]DOF Table E-1 City of Roseville population estimate as of 1/2020.

[3]Roseville FY 2020-21 Adopted Budget states EMSI estimates Roseville to have 91,253 jobs. DPFG adjusted by an additional 10% to account for self-employed workers.

[4]Persons served is defined as total population plus half of total employees.

Table 3
City of Roseville
JMC/Sierra Vista Fiscal Impact Analysis
Land Use Summary

	Scenario 1			Scenario 2		
	Existing Land Uses			Proposed Land Uses		
Land Use	Acres	Units	Sq.Ft.	Acres	Units	Sq.Ft.
Residential Land Uses						
Low Density	104.8	541	-	108.02	526	-
Medium Density	56.8	457	-	63.92	492	-
High Density	6.1	159	-	7.57	176	-
Mixed Use - High Density	2.00	40	-	-	-	-
Subtotal	**169.70**	**1,197**	**-**	**179.51**	**1,194**	-
Nonresidential Land Uses						
Commercial Mixed Use	3.70	-	40,000	-	-	-
Commercial/Business Professional	13.61	-	148,000	13.61	-	148,000
Total Nonresidential	**17.31**	-	**188,000**	**13.61**	-	**148,000**
Other Land Uses[1]	**74.57**	-	-	**68.46**	-	**-**
Total Land Uses	**261.58**	**1,197**	**188,000**	**261.58**	**1,194**	**148,000**

Footnotes:

[1]Other land uses includes parks, public/quasi-public, and open space land uses.

Table 4
City of Roseville
JMC/Sierra Vista Fiscal Impact Analysis
Land Use Assumptions

	Assumptions[1]				Scenario 1				Scenario 2			
					Existing Land Uses				Proposed Land Uses			
Land Use	Est. Average Assessed Valuation	Vacancy Rate	Persons per HH/Sq.Ft. per Employee	Persons Served Factor	Units/Bldg. Sq. Ft.	Occupied Units/ Bldg. Sq. Ft.	Population/ Employees	Persons Served	Units/Bldg. Sq. Ft.	Occupied Units/ Bldg. Sq. Ft.	Population/ Employees	Persons Served
Residential Land Uses	*Per Unit*											
Low Density	$575,000	4%	2.67	1.00	541	519	1,387	1,387	526	505	1,348	1,348
Medium Density	$472,000	4%	2.67	1.00	457	439	1,171	1,171	492	472	1,261	1,261
High Density	$226,000	6%	2.67	1.00	159	149	397	397	176	165	440	440
Mixed Use - High Density	$226,000	6%	2.67	1.00	40	37	100	100	-	-	-	-
Subtotal Residential					**1,197**	**1,144**	**3,055**	**3,055**	**1,194**	**1,142**	**3,049**	**3,049**
Nonresidential Land Uses	*Per Sq. Ft.*											
Commercial Mixed Use	$225	5%	450	0.50	40,000	37,920	84	42	-	-	-	-
Commercial/Business Professional	$225	9%	300	0.50	148,000	135,272	451	225	148,000	135,272	451	225
Subtotal Nonresidential					**188,000**	**173,192**	**535**	**268**	**148,000**	**135,272**	**451**	**225**
Total								**3,323**				**3,275**

Source: City of Roseville; JMC.

Footnotes:

[1]Based on assumptions from prior City of Roseville FIA

Table 5
City of Roseville
JMC/Sierra Vista Fiscal Impact Analysis
Revenue-Estimating Procedures (2020$)

Annual General Fund Revenues	Estimating Procedure	Case Study Reference	General Fund Budget Revenues	Service Population	Revenue Multiplier
Taxes:					
Property Taxes	Case Study	Table 7	$39,430,000	N/A	-
Property Tax In-Lieu of VLF	Case Study	Table 7	$10,900,700	N/A	-
Real Property Transfer Tax	Case Study	Table 8	$500,000	N/A	-
Sales Taxes	Case Study	Table 9	$50,010,000	N/A	-
Measure B Sales Tax	Case Study	Table 9	$18,522,600	N/A	-
Prop. 172 Sales Tax	Case Study	Table 9	$1,122,950	N/A	-
Motor Vehicle In-Lieu	N/A	-	$65,000	N/A	-
Secured Tax ABX1 26-AB1484	N/A	-	$653,000	N/A	-
Hotel / Motel Tax	Persons Served	-	$2,265,000	195,352	$11.59
Business License Tax	Persons Served	-	$850,000	195,352	$4.35
Miscellaneous Taxes	N/A	-	$0	N/A	-
Franchise Fees	Persons Served	-	$2,250,000	195,352	$11.52
Licenses and Permits	N/A	-	$3,069,193	N/A	-
Use of Money and Property	N/A	-	$1,210,420	N/A	-
Fees for Current Services	N/A	-	$10,311,653	N/A	-
Other Revenues	N/A	-	$1,877,541	N/A	-
Revenues & Grants from Other Agencies	N/A	-	$328,183	N/A	-
Electric Franchise Fees	Persons Served	-	$6,156,436	195,352	$31.51
Transfers In	N/A	-	$15,335,002	N/A	-
Gross General Fund Operating Revenues			**$164,857,678**		
Less Offsetting Revenues	N/A	-	$5,548,984	N/A	-
Net General Fund Operating Revenues			**$159,308,694**		

Source: City of Roseville 2020-21 Budget, City of Roseville Finance Dept., and DPFG.

Table 6
City of Roseville
JMC/Sierra Vista Fiscal Impact Analysis
Estimated Project Revenues (2020$)

General Fund Revenues	Source	Scenario 1 Existing Land Use	Scenario 2 Proposed Land Use	Difference Amount	Difference Percentage
Property Taxes	Table 7	$924,415	$914,926	($9,489)	-0.5%
Property Tax In-Lieu of VLF	Table 7	$287,460	$284,510	($2,951)	-0.1%
Real Property Transfer Tax	Table 8	$43,922	$45,515	$1,593	0.1%
Sales Taxes	Table 9	$342,951	$280,285	($62,666)	-3.2%
Measure B Sales Tax	Table 9	$179,380	$141,327	($38,053)	-1.9%
Prop. 172 Sales Tax	Table 9	$8,036	$6,331	($1,705)	-0.1%
Hotel / Motel Tax	Persons Served	$38,528	$37,968	($561)	0.0%
Business License Tax	Persons Served	$14,459	$14,248	($210)	0.0%
Franchise Fees	Persons Served	$38,273	$37,716	($557)	0.0%
Electric Franchise Fees	Persons Served	$104,722	$103,199	($1,524)	-0.1%
Total GF Annual Operating Revenues		**$1,982,146**	**$1,866,024**	**($116,123)**	**-5.9%**

Source: City of Roseville FY 2020-21 Adopted Budget; DPFG.

Table 7
City of Roseville
JMC/Sierra Vista Fiscal Impact Analysis
Estimated Property Tax Revenues

Item	Assumptions	Formula	Net Revenues Existing	Net Revenues Proposed
1-Percent Property Tax				
Buildout Assessed Value (2020$)[1]		*a*	$614,053,000	$607,750,000
Property Tax Revenue (1% of Assessed Value)	1.0%	*b = a * 1.00%*	$6,140,530	$6,077,500
Estimated Property Tax Allocation[2]				
City of Roseville	33.3%	*c = b * 33.3%*	$2,045,165	$2,024,173
Less Revenue-Sharing Payment to County[3]	54.8%	*d = c * 54.8%*	($1,120,751)	($1,109,247)
Net Allocation to City of Roseville		*e = c + d*	**$924,415**	**$914,926**
Other Agencies/ERAF	66.7%	*f = b * 66.7%*	4,095,365	4,053,327
Property Tax In-Lieu of Motor Vehicle In-Lieu Fee Revenue (VLF)				
Total Citywide Assessed Value[4]		*g*	$23,285,338,153	$23,285,338,153
Total Buildout Assessed Value of Project		*h = a*	$614,053,000	$607,750,000
Total Assessed Value		*i = g + h*	**$23,899,391,153**	**$23,893,088,153**
Percent Change in AV		*j = (i - g) / g*	2.6%	2.6%
Property Tax In-Lieu of VLF	**$10,900,700**	*k = j * $10,900,700*	**$287,460**	**$284,510**

Source: City of Roseville 2020-21 Budget, Placer County Auditor-Controller's Office, and DPFG.

Footnotes:

[1]For assumptions and calculation of assessed value, See Table 16.

[2]For assumptions and calculations of the estimated property tax allocation, refer to Table 15.

[3]Assumes Placer County will receive payment from the City based on the current allocation of property taxes to the County's General Fund. The City's payment to Placer County does not necessarily have to be from property tax revenues.

[4]Total FY 2019-20 secured and unsecured assessed value for the City of Roseville.

Table 8
City of Roseville
JMC/Sierra Vista Fiscal Impact Analysis
Real Property Transfer Tax Revenues (2020$)

Item	Assumptions	Real Property Transfer Tax Revenues[1] Existing	Proposed
Rate per $1,000 of Assessed Value [1]	$0.55		
Assumed Annual Turnover Rates			
Residential - Owner Occupied	14.3%		
Residential - Renter Occupied	6.7%		
Commercial	6.7%		
Residential Land Uses			
Low Density		$311,075,000	$302,450,000
Medium Density		$215,704,000	$232,224,000
High Density		$35,934,000	$39,776,000
Mixed Use - High Density		$9,040,000	-
Subtotal Residential		**$571,753,000**	**$574,450,000**
Nonresidential Land Uses			
Commercial Mixed Use		$9,000,000	-
Commercial/Business Professional		$33,300,000	$33,300,000
Subtotal Nonresidential		**$42,300,000**	**$33,300,000**
Total		**$614,053,000**	**$607,750,000**
Annual Transfer Tax Revenue			
Residential Land Uses			
Low Density	14%	$23,953	$23,289
Medium Density	14%	$16,609	$17,881
High Density	7%	$1,383	$3,063
Mixed Use - High Density	7%	$348	$0
Subtotal Residential		**$42,293**	**$44,233**
Nonresidential Land Uses			
Commercial Mixed Use	7%	$347	$0
Commercial/Business Professional	7%	$1,282	$1,282
Subtotal Nonresidential		**$1,629**	**$1,282**
Total Annual Transfer Tax Revenues		**$43,922**	**$45,515**

Source: City of Roseville, and DPFG.

Footnotes:

[1]Formula for Transfer Tax = Assessed Value / 1000 * Rate per $1,000 of Assessed Value * Turnover rate.

Table 9
City of Roseville
JMC/Sierra Vista Fiscal Impact Analysis
Estimated Annual Sales and Use Tax Revenues (2020$)

Item	Source/ Assumptions	Formula	Sales and Use Tax Revenues Existing	Sales and Use Tax Revenues Proposed
Estimated Annual Taxable Sales				
Annual Taxable Sales from New Market Support	Table 10		$29,652,679	$29,597,040
Net Annual Taxable Sales from Onsite Commercial Uses	Table 11		$6,223,259	-$1,331,734
Total Annual Taxable Sales		*a*	**$35,875,938**	**$28,265,306**
Annual Sales Tax Revenues				
Bradley Burns (Local) Sales Tax Rate	1.0000%	*b = 1.0000% * a*	$358,759	$282,653
Sales Tax Sharing with Placer County[1]	16.0000%	*c = Table 11*	$15,808	$2,368
Total Annual Local Sales Tax Revenue		*d = b - c*	**$342,951**	**$280,285**
Measure B Sales Tax	**0.5000%**	*e = 0.5000% * a*	**$179,380**	**$141,327**
City of Roseville Prop. 172 Public Sales Tax Revenue[2]	**0.0224%**	*f = 0.0224% * a*	**$8,036**	**$6,331**

Source: California State Board of Equalization, Placer County, and DPFG.

Footnotes:

[1]Amount equal to 1 percent of the estimated on-site sales tax anticipated in the Specific Plan. See Table 11.

[2]State Board of Equalization collects one-half cent sales tax revenue under Proposition 172. Based on estimated citywide taxable sales, the City receives approximately 0.0224% of the annual taxable sales (City FY 2020-21 Adopted Budget).

Table 10
City of Roseville
JMC/Sierra Vista Fiscal Impact Analysis
Estimated Annual Taxable Sales, Hybrid Market Support Method (2020$)

Item Description	Formula	Assumption	Scenarios	
			Existing	Proposed
Annual Taxable Sales from New Households				
Low-Density Households	*a*		541	526
Retail Expenditures[1]	*b = a * $33,319*	$33,319	$18,025,579	$17,525,794
Med-Density Households	*c*		457	492
Retail Expenditures[1]	*d = c * $27,261*	$27,261	$12,458,277	$13,412,412
High-Density Households	*e*		199	176
Retail Expenditures[1]	*f = e * $20,790*	$20,790	$4,137,210	$3,659,040
Total Household Taxable Expenditures	*g = b + d + f*		**$34,621,066**	**$34,597,246**
Estimated Retail Capture Rate[2]	*h*	85%		
Estimated City Capture from New Residents	*i = g * 85%*		**$29,427,906**	**$29,407,659**
Estimated Taxable Sales inside Project Area[3]	*j*	10%	$2,942,791	$2,940,766
Estimated Taxable Sales outside Project Area[3]	*k*	90%	$26,485,115	$26,466,893
Annual Taxable Sales from New Employees[5]	*l*	$1,680		
New Employees	*m*		268	225
Total City Taxable Sales from New Employees	*n = l * m*		$449,546	$378,762
Adjusted City Taxable Sales from New Employees[4]	*o = n * 50%*	50%	**$224,773**	**$189,381**
Estimated Taxable Sales inside Project Area[3]	*p = o * 10%*	10%	$22,477	$18,938
Estimated Taxable Sales outside Project Area[3]	*q = o * 90%*	90%	$202,296	$170,443
Total Annual City Taxable Sales from Market Support	*r = i + o*		**$29,652,679**	**$29,597,040**
Taxable City Sales inside Project Area	*s = j + p*		$2,965,268	$2,959,704
Taxable City Sales outside Project Area	*t = k + q*		$26,687,411	$26,637,336

Source: BLS, Consumer Expenditure Survey; University of Wisconsin-Milwaukee ETI, Urban Markets Retail Sales Leakage/Surplus Drill Downs; Roseville FIA, and DPFG.

Footnotes:

[1]See Table 17.

[2]A comparison of retail sales and consumer purchasing power indicates no sales leakage for Roseville. That is, total retail sales in the City exceed residents' retail spending potential. Thus, this analysis assumes marginal leakage for the Project's households' retail spending.

[3]DPFG estimate of resident/employee spending split between retails stores in the Project and stores outside the Project.

[4]Discounted by 50% to avoid double-counting employees who are also residents.

[5]Calculated by assuming $7 of taxable spending per working day, while assuming 240 working days a year.

Table 11
City of Roseville
JMC/Sierra Vista Fiscal Impact Analysis
Estimated Annual Taxable Sales, Adjusted Retail Spending Method (2020$)

Item Description	Assumption	Formula	Taxable Sales (Generated from On-Site Nonresidential) Existing	Proposed
Neighborhood-Serving Retail				
Taxable Sales per Sq. Ft.	$210	*a*		
Building Sq. Ft.		*b*	40,000	0
Subtotal, Annual Taxable Sales		*c = a * b*	$8,400,000	$0
Office				
Taxable Sales per Sq. Ft.	$10	*d*		
Building Sq. Ft.		*e*	148,000	148,000
Subtotal, Annual Taxable Sales		*f = d * e*	$1,480,000	$1,480,000
Annual Taxable Sales from On-Site Commercial Dev.		*j = c + f + i*	**$9,880,000**	**$1,480,000**
Less On-Site Market Support [1]		*k*	$2,965,268	$2,959,704
Subtotal Annual Sales less Market Support		*l = j - k*	$6,914,732	($1,479,704)
Less Shift of Sales from Existing Retail Stores to the Project [2]	10.0%	*m = l * 10%*	$691,473	($147,970)
Net Annual On-Site Taxable Sales[3]		*n = l - m*	$6,223,259	($1,331,734)
Amount Subject to Property Tax Sharing with County[4]	16.0%	*o = j * 16%*	$1,580,800	$236,800

Source: City of Roseville FIAs and DPFG.

Footnotes:

[1]Derived in Table 10.

[2]Represents a discount factor to account for taxable sales transactions that may shift from existing City retail centers to those inside the Project based on a preliminary review of existing retail demand and supply.

[3]Refers to new sales in the Project from customers other than new Project residents and employees.

[4]Reflects the maximum potential sales tax sharing by the City to the County per the tax sharing agreement.

Table 12
City of Roseville
JMC/Sierra Vista Fiscal Impact Analysis
Summary of Est. Special Tax/Assessment District Revenues (2020$)

Assessment	CFD 3 Municipal Services	Special Tax/Assessment Revenues	
		Existing	Proposed
Residential Land Uses			
Low Density		541	526
Medium Density		457	492
High Density		159	176
Mixed Use - High Density		40	-
Subtotal		**1,197**	**1,194**
Nonresidential Land Uses			
Commercial Mixed Use		3.70	-
Commercial/Business Professional		13.61	13.61
Total Nonresidential		**17.31**	**13.61**
	FY 2020-21		
Residential Land Uses	*per unit*		
Low Density	$476	$257,464	$250,326
Medium Density	$278	$127,033	$136,762
High Density	$138	$22,013	$24,366
Mixed Use - High Density	$138	$5,538	-
Subtotal		**$412,047**	**$411,454**
Nonresidential Land Uses	*per acre*		
Commercial Mixed Use	$1,296	$4,794	-
Commercial/Business Professional	$1,114	$15,162	$15,162
Total Nonresidential		**$19,956**	**$15,162**
Total Special Tax/Assessment Revenue		**$432,004**	**$426,616**

Table 13
City of Roseville
JMC/Sierra Vista Fiscal Impact Analysis
Expenditure-Estimating Procedures (2020$)

Item	Estimating Procedure	General Fund Operating Expenditures	Less Offsetting Revenues[1]	Net City Cost	Service Population	Expenditure Multiplier
General Fund Expenditures						
City Council	per person served	$181,264	$6,047	$175,217	195,352	$0.90
City Manager	per person served	$1,434,923	$53,711	$1,381,212	195,352	$7.07
Development & Operations	per person served	$0	$0	$0	195,352	$0.00
Public Affairs & Communications	per person served	$653,355	$21,797	$631,558	195,352	$3.23
City Attorney	per person served	$2,025,685	$73,881	$1,951,804	195,352	$9.99
Human Resources	per person served	$1,595,945	$53,244	$1,542,701	195,352	$7.90
Information Technology	per person served	$0	$0	$0	195,352	$0.00
City Clerk	per person served	$1,415,379	$661,920	$753,459	195,352	$3.86
Central Services	per person served	$0	$0	$0	195,352	$0.00
Finance	per person served	$5,231,774	$1,074,913	$4,156,861	195,352	$21.28
Economic Development	per person served	$1,085,231	$31,616	$1,053,615	195,352	$5.39
Development Services	per person served	$10,125,447	$5,415,555	$4,709,892	195,352	$24.11
Public Works	per person served	$8,016,401	$2,704,139	$5,312,262	195,352	$27.19
Police	per person served	$46,426,359	$3,653,712	$42,772,647	195,352	$218.95
Fire	per person served	$34,649,867	$2,460,503	$32,189,364	195,352	$164.78
Parks and Recreation & Libraries	per capita	$26,412,294	$5,819,992	$20,592,302	145,163	$141.86
Stormwater	Footnote[2]	$414,765	$13,837	$400,928	N/A	N/A
Annexation Payments	Footnote[2]	$8,236,000	$274,769	$7,961,231	N/A	N/A
City Special Assessments	Footnote[2]	$75,877	$2,531	$73,346	N/A	N/A
Interfund Loan Interest Payment to GF Contributions by Developers Fund	Footnote[2]	$15,955	$532	$15,423	N/A	N/A
Transfer to Vehicle Replacement Fund	Footnote[2]	$0	$0	$0	N/A	N/A
Transfer to Post-Retirement Insurance/Accrual Fund	Footnote[2]	$5,310,937	$177,183	$5,133,754	N/A	N/A
Transfer to Golf Operations Fund	Footnote[2]	$1,004,749	$859,418	$145,331	N/A	N/A
Transfer to Parks, Recreation, & Libraries Capital Fund	Footnote[2]	$707,000	$23,587	$683,413	N/A	N/A
Transfer to Transit Fund	Footnote[2]	$95,366	$95,366	$0	N/A	N/A
General Fund Contingency - Materials, Services & Supplies	Footnote[2]	$1,200,000	$40,034	$1,159,966	N/A	N/A
Total General Fund Operating Expenditures		**$156,314,573**	**$23,518,287**	**$132,796,286**		**$636.50**

Source: City of Roseville 2020-21 Budget, City of Roseville Finance Dept., and DPFG.

Footnotes:

[1]Represents departmental revenues identified for specific General Fund department functions in the City's fiscal Budget.

[2]Not expected to be affected by the Project and is not evaluated in this analysis.

Table 14
City of Roseville
JMC/Sierra Vista Fiscal Impact Analysis
Estimated Annual Expenditures (2020$)

	Net Costs		Difference	
General Fund Expenditures	Existing	Proposed	Amount	Percentage
General Government				
City Council	$2,980	$2,937	($43)	0.0%
City Manager	$23,495	$23,153	($342)	0.0%
Development & Operations	$0	$0	$0	0.0%
Public Affairs & Communications	$10,743	$10,587	($156)	0.0%
City Attorney	$33,201	$32,718	($483)	0.0%
Human Resources	$26,242	$25,860	($382)	0.0%
Information Technology	$0	$0	$0	0.0%
City Clerk	$12,817	$12,630	($186)	0.0%
Central Services	$0	$0	$0	0.0%
Finance	$70,709	$69,680	($1,029)	0.0%
Economic Development	$17,922	$17,661	($261)	0.0%
Development Services	$80,116	$78,951	($1,166)	-0.1%
Public Works	$90,363	$89,048	($1,315)	-0.1%
Police	$727,573	$716,986	($10,586)	-0.5%
Fire	$547,549	$539,582	($7,967)	-0.4%
Parks and Recreation & Libraries	$433,428	$432,546	($882)	0.0%
Total GF Annual Operating Expenditures	**$2,077,137**	**$2,052,339**	**($24,798)**	**-1.2%**

Table 15
City of Roseville
JMC/Sierra Vista Fiscal Impact Analysis
Preliminary Property Tax Allocations on Annexation

Fund/Agency	Pre-ERAF Distribution of Tax Increment[1]	% of Factor Shift to ERAF	Post ERAF Distribution Factors	Property Tax Allocation[2] City 45.20%	Property Tax Allocation[2] County 54.80%
Taxing Entities					
City of Roseville	41.55340%	19.84770%	33.30601%	15.05431%	18.25169%
Roseville Cemetery	0.97150%	10.85260%	0.86607%		
Placer County Resource Conserv	0.07200%	10.60440%	0.06436%		
Roseville City Elem M&O	23.41980%		23.41980%		
Roseville High M&O	21.94760%		21.94760%		
Sierra College M&O	7.89850%		7.89850%		
Superintendent of Schools	3.90180%		3.90180%		
Placer Co Water Agency M&O	0.23540%		0.23540%		
Subtotal	**100.00000%**		**91.63954%**		
Education Revenue Relief Fund (ERAF)			8.36046%		
Total Gross Property Tax	**100.00000%**		**100.00000%**		

Source: Placer County and DPFG.

Footnotes:

[1]Represents the percentage allocation of the 1% ad valorem property tax by Tax Rate Area (TRA) 005-070.

[2]Tax increment split based on the Roseville-West Placer Annexation document.

Table 16
City of Roseville
JMC/Sierra Vista Fiscal Impact Analysis
Estimated Assessed Valuation

Item	Est. Average Assessed Valuation	Assessed Valuation	
		Existing	Proposed
Residential Land Uses	*Per Unit*		
Low Density	$575,000	$311,075,000	$302,450,000
Medium Density	$472,000	$215,704,000	$232,224,000
High Density	$226,000	$35,934,000	$39,776,000
Mixed Use - High Density	$226,000	$9,040,000	-
Subtotal Residential		**$571,753,000**	**$574,450,000**
Nonresidential Land Uses	*Per Sq. Ft.*		
Commercial Mixed Use	$225	$9,000,000	-
Commercial/Business Professional	$225	$33,300,000	$33,300,000
Subtotal Nonresidential		**$42,300,000**	**$33,300,000**
Total Assessed Valuation		**$614,053,000**	**$607,750,000**

Table 17
City of Roseville
JMC/Sierra Vista Fiscal Impact Analysis
Average Income for Residential Units (2020$)

Residential Land Use	Number of Households		Estimated Unit Value	Estimated Annual Housing Costs[1]	Estimated Household Income[2]	Taxable Expenditures as a % of Income	Avg. Annual Household Taxable Exp.	
	Existing	Proposed					Existing	Proposed
Owner Occupied				*Annual Mortgage*				
Low Density	541	526	$575,000	$42,842	$143,000	23.3%	$33,319	$33,319
Medium Density	457	492	$472,000	$35,168	$117,000	23.3%	$27,261	$27,261
Renter Occupied			*Monthly Rent*	*Annual Rent*				
High Density	159	176	$1,645	$19,740	$66,000	31.5%	$20,790	$20,790
Mixed Use - High Density	40	-	$1,645	$19,740	$66,000	31.5%	$20,790	$20,790
Weighted Average Value/Total	**1,197**	**1,194**					**$28,923**	**$28,976**

Source: U.S. Census; California Dept. of Housing and Community Development; and DPFG.

Footnotes:

[1]Assumes a 5.5%, 30-year fixed-rate mortgage with a 20% down payment and 2% annual taxes/insurance.

[2]Assumes 30% of income is dedicated to housing costs.

Development Services Department
Planning Division
311 Vernon Street
Roseville, California 95678-2649

December 11, 2020

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SUBJECT: SVSP PCL JM-40 – Sierra Vista JM-40 Subdivision
File # PL20-0103
Citywide Job # 190446

On **DECEMBER 10, 2020**, the *Planning Commission* **CONSIDERED** the **3RD ADDENDUM TO THE SIERRA VISTA SPECIFIC PLAN ENVIRONMENTAL IMPACT REPORT**; **RECOMMENDED APPROVAL** of a request for **GENERAL PLAN AMENDMENT (LAND USE MAP)**, **SPECIFIC PLAN AMENDMENT (TEXT AND LAND USE MAP)**, **REZONE**, **SECOND AMENDMENT OF THE MOURIER & BAGLEY DEVELOPMENT AGREEMENT** and **SECOND AMENDMENT OF THE MOURIER & COMPUTER DEDUCTIONS DEVELOPMENT AGREEMENT**; and **APPROVED** the request for a **TENTATIVE SUBDIVISION MAP** to create 35 single-family residential lots and one landscape lot and a **DESIGN REVIEW FOR RESIDENTIAL SUBDIVISION** to establish unit designs for the homes and allow modified development standards located at **1690 VISTA GRANDE BL**.

ADVISORY ACTION

The Planning Commission action on the **GENERAL PLAN AMENDMENT (LAND USE MAP**, **SPECIFIC PLAN AMENDMENT (TEXT AND LAND USE MAP)**, **REZONE**, **SECOND AMENDMENT TO THE MOURIER & BAGLEY DEVELOMENT AGREEMENT** and **SECOND AMENDMENT TO THE MOURIER AND COMPUTER DEDUCTIONS DEVELOMENT AGREEMENT** is a recommendation and does not grant the applicant any entitlements. These items require action by the City Council. The City Council will consider these items at a later date.

EXPIRATION DATE

You have two (2) years from the date of the Planning Commission's approval in which to effectuate the permit, or else the **TENTATIVE SUBDIVISION MAP** and **DESIGN REVIEW FOR RESIDENTIAL SUBDIVISION** approval becomes null and void.

The expiration date of this request is **DECEMBER 10, 2022**.

EXTENSION OF PERMIT

You many request that the **DESIGN REVIEW FOR RESIDENTIAL SUBDIVISION** be extended for a period up to a maximum of one (1) year. An application for an extension shall be submitted to the Planning Division prior to the expiration date indicated above. No notice will be sent to you prior to the date of permit expiration.

You may request that the **TENTATIVE SUBDIVISION MAP** be extended for a period up to a maximum of six (6) years. An application for an extension shall be submitted to the Planning Division prior to the expiration date indicated above. No notice will be sent to you prior to the date of permit expiration.

YOU WILL BE RESPONSIBLE FOR REQUESTING ANY EXTENSION.

FEE NOTIFICATION

Per Government Code Section 66000, et seq, this notice shall serve as notification that the 90 day appeal period has begun in which the applicant may protest the imposition of fees, dedications, reservations, or other exactions imposed under the provisions of Government Code Section 66020 to the City Council. The appeal shall be filed in writing or on a form provided by the City stating the reasons for the appeal as provided for in Government Code Section 66020. **The appeal shall be filed with the City Clerk**.

APPEAL PROCEDURE

The decision of the Planning Commission is final unless appealed. This decision must be appealed to the City Council by filing a written appeal and paying the required fee **within *ten (10)* calendar days of December 10, 2020. The appeal shall be filed with the City Clerk**.

You may be precluded from filing a lawsuit to challenge this decision unless you use this opportunity for administrative appeal and raise any issues you believe to be wrongly decided.

Persons wishing to commence a court case challenging this decision must do so within ninety (90) days of the final decision (after all administrative appeals are exhausted) pursuant to Code of Civil Procedures Section I094.6. (See Roseville City Council Resolution No. 82-8I)

CONDITIONS OF APPROVAL FOR THE TENTATIVE SUBDIVISION MAP

1. The Tentative Subdivision Map shall not be deemed approved until the actions on the General Plan Amendment, Specific Plan Amendment, Rezone, and Development Agreement Amendment are approved and become effective. (Planning)

2. The approval of a Tentative Map and/or tentative site plan does not constitute approval of proposed improvements as to size, design, materials, or location, unless specifically addressed in these conditions of approval. The Developer shall submit civil drawings to the Department of Development Services – Engineering Division for review and approval. (Engineering)

3. The design and construction of all improvements shall conform to the Design and Construction Standards of the City of Roseville, or as modified by these conditions of approval, or as directed by the City Engineer. (Engineering)

4. The developer shall not commence with any on-site improvements until such time as grading and/or improvement plans have been submitted for review and are approved and grading and/or encroachment permits are issued by the Department of Development Services – Engineering Division. (Engineering)

5. The applicant shall pay City's actual costs for providing plan check, mapping, GIS, and inspection services. This may be a combination of staff costs and direct billing for contract professional services. Project billing may occur up to two (2) months after the end of warranty or the Notice of Termination date for the SWPPP, whichever occurs later. (Engineering, Environmental Utilities, Finance)

6. The project shall comply with all required environmental mitigation identified in the Sierra Vista Specific Plan EIR (State Clearinghouse #2008032115, certified May 5, 2010) and subsequent Addendum prepared for the project, and shall include all applicable mitigation measures as notes on the grading plans. (All Departments)

PRIOR TO ISSUANCE OF A GRADING PERMIT AND/OR IMPROVEMENT PLANS:

7. Landscape Plans for all landscape corridors and all landscaped common areas shall be approved with the improvement plans. Landscaping shall be installed for Substantial Completion of the subdivision improvements. Landscape corridors shall also successfully complete the required establishment period. The landscape plan shall comply with the Sierra Vista Specific Plan and the City of Roseville Water Efficient Landscape Ordinance. (Planning, Engineering, Parks, Fire, Environmental Utilities)

8. The grading and improvement plans shall be designed in accordance with the City's Improvement Standards and Construction Standards and shall reflect the following:

    a. Street improvements including, but not limited to, curb, gutter, sidewalk, pavement, drainage systems, traffic striping, signing, medians and markings, etc. along all existing and proposed City streets, as required by Engineering.

    b. Grading shall comply with the City grading ordinance. Erosion control devices (sediment traps, ditches, straw bales, etc.) shall be shown on the grading plans. All erosion control shall be installed prior to the onset of wet weather. Erosion control is installed to minimize

silt discharge from the project site. It is incumbent upon the applicant to ensure that necessary measures are taken to minimize silt discharge from the site. Therefore modification of the erosion control plan may be warranted during wet weather conditions.

c. A rough grading permit may be approved by the Engineering Department prior to approval of the improvement plans.

d. Access to the floodplain as required by Engineering and the Streets Department.

e. Standard Accessible ramps shall be installed at all curb returns per City Standards. (Engineering)

9. For all work to be performed off-site, permission to enter and construct shall be obtained from the property owner, in the form of a notarized right-of-entry. Said notarized right-of-entry shall be provided to the Engineering Division prior to approval of any plans. (Engineering)

10. The applicant shall apply for and obtain an encroachment permit from the Engineering Department prior to any work conducted within the City right-of-way. (Engineering)

11. The Subdivision or Infrastructure improvement plans shall include a complete set of Landscape Plans. The frontage landscaping improvements shall be completed and accepted by the city prior to or concurrent with City acceptance of the subdivision improvement plans. (Planning, Engineering, Fire, Environmental Utilities, Electric)

12. The applicant shall remove and reconstruct any existing damaged curb, gutter, and sidewalk along the property frontage. During site inspection Engineering will designate the exact areas to be reconstructed. (Engineering)

13. All Lots/Parcels shall conform to Class 1 drainage, pursuant to the adopted City of Roseville Improvement Standards, except as shown on the tentative map or as approved in these conditions. (Engineering)

14. The following note shall be added to the Grading and/or Improvement Plans:

To minimize dust/grading impacts during construction the applicant shall:

a. *Spray water on all exposed earth surfaces during clearing, grading, earth moving and other site preparation activities throughout the day.*

b. *Use tarpaulins or other affective covers on all stockpiled earth material and on all haul trucks.*

c. *Sweep the adjacent streets frontages at least once a day or as needed to remove silt and other dirt which is evident from construction activities.*

d. *Ensure that construction vehicles are cleaned prior to leaving the construction site to prevent dust and dirt from being tracked off site.*

e. *The City shall have the authority to stop all grading operations, if in the opinion of city staff, inadequate dust control measures are being practiced or excessive wind conditions contribute to fugitive dust emissions. (Engineering)*

15. Prior to the approval of the improvement plans, it will be the project proponent's responsibility to pay the standard City Trench Cut Recovery Fee for any cuts within the City streets that are required for the installation of underground utilities. (Engineering)

16. Market Street shall be designed in conformance with the approved tentative map and the Sierra Vista Specific Plan. The west half of the street section will include 14'-23' of pavement improvements along with curb and gutter. The eastern half will include a 60' wide paseo, a 15' (5' min) wide planter between the back of curb and the sidewalk, a 10' wide sidewalk and approximately 35' of landscaping between the back of sidewalk and the masonry wall. (Engineering)

17. The typical minor private residential street shall be designed in conformance of the approved tentative map and Sierra Vista Specific Plan. The street will consist of 42' of right of way with a typical ½ section of 14' pavement, 4' sidewalk and 12.5' PUE. The PUE will be placed over these private roads for access and maintenance of the water and sewer.(Engineering)

18. A note shall be added to the grading plans that states:

    "Prior to the commencement of grading operations, the contractor shall identify the site where the ***excess/borrow*** *earthen material shall be imported/deposited. If the* ***borrow/deposit*** *site is within the City of Roseville, the contractor shall produce a report issued by a geotechnical engineer to verify that the exported materials are suitable for the intended fill, and shall show proof of all approved grading plans. Haul routes to be used shall be specified."* (Engineering)

19. The applicant shall dedicate all necessary rights-of-way for the widening of any streets required with this entitlement. A separate document shall be drafted for approval and acceptance by the City of Roseville, and recorded at the County Recorder's Office. (Engineering)

20. The applicant shall dedicate a separate drainage easement to the City of Roseville for the storm drain facility required to transfer public storm waters through the site. The easement document shall be drafted for approval and acceptance by the City of Roseville, and recorded at the County Recorder's Office. (Engineering)

21. The grading plans for the site shall be accompanied with a shed map that defines that area tributary to this site. All drainage facilities shall be designed to accommodate the tributary flow. All on-site storm drainage shall be collected on site and shall be routed to the nearest existing storm drain stub of natural drainage coarse. (Engineering)

22. All storm drainage, including roof drains, shall be collected on site and shall be routed to the nearest storm drain system or natural drainage facility. Prior to discharge from the site, the storm water shall be treated with appropriate storm water pollution treatment device(s). Any drainage outfalls shall extend down to the receiving water and shall be constructed with adequate velocity attenuation devices. (Engineering)

23. The grading plans shall be accompanied with engineered structural calculations for all retaining walls greater than 4 feet in height. All retaining walls shall be of either split faced masonry units, keystone type construction, or cast in place concrete with fascia treatment. (Engineering)

24. The developer shall be responsible for any necessary relocation of signal interconnect cables that may require re-location as a result of the construction of turn lanes and/or driveways. (Engineering)

25. To ensure that the design for any necessary widening, construction, or modifications of Public Streets does not conflict with existing dry utilities generally located behind the curb and gutter, and prior to the submittal of design drawings for those frontage improvements, the project proponent shall have the existing dry utilities pot holed for verification of location and depth. (Engineering)

26. Sight distances for all driveways shall be clearly shown on the improvement plans to verify that minimum standards are achieved. It will be the responsibility of the project proponent to provide appropriate landscaping and improvement plans, and to relocate and/or modify existing facilities as needed to meet these design objectives. (Engineering)

27. Project infrastructure improvements maybe subject to reimbursements under the Citywide TMF, the TMF Set-Aside or the Sierra Vista Specific Plan (SVSP) fee program as identified in the Development Agreement. (Engineering)

28. **Prior to the approval of the Improvement Plans**, the project proponent shall provide proof of preparation and submittal of a Storm Water Pollution Prevention Plan (SWPPP) to the Regional Water Quality Control Board (RWQCB). Proof shall be in the form of the Waste Discharge Identification Number (WDID#), provided to the applicant from RWQCB, placed on the coversheet of the improvement plans. Upon approval of the improvement plans, a copy of the SWPPP shall be required onsite and available for viewing by City inspection staff upon request. (Engineering)

29. Prior to the issuance of a grading permit or approval of Improvement Plans, the grading plans shall clearly identify all existing water, sewer and recycled water utilities within the boundaries of the project (including adjoining public right of way). Existing utilities shall be identified in plan-view and in profile-view where grading activities will modify existing site elevations over top of or within 15 feet of the utility. Any utilities that could potentially be impacted by the project shall be clearly identified along with the proposed protection measures. The developer shall be responsible for taking measures and incurring costs associated with protecting the existing water,

sewer and recycled water utilities to the satisfaction of the Environmental Utilities Director. (Environmental Utilities)

30. Water and sewer infrastructure shall be designed and constructed pursuant to the adopted City of Roseville Improvement Standards and Construction Standards and shall reflect the following:

    a. Sewer and water service laterals shall not be allowed off of water and sewer mains larger than 12 inches in diameter.

    b. Utilities or permanent structures shall not be located within the area which would be disturbed by an open trench needed to expose sewer trunk mains deeper than 12 feet unless approved by Environmental Utilities in these conditions. The area needed to construct the trench is a sloped cone above the sewer main. The cone shall have 1:1 side slopes.

    c. Water and sewer mains shall not exceed a depth of 12 feet below finished grade, unless authorized in these conditions.

    d. All sewer manholes shall have all-weather 10-ton vehicular access unless authorized by these conditions. (Environmental Utilities)

31. Recycled water infrastructure shall be designed pursuant to the adopted City of Roseville Improvement Standards and the City of Roseville Construction Standards. The applicant shall pay all applicable recycled water fees. Easements shall be provided as necessary for recycled water infrastructure. (Environmental Utilities)

32. Any backflow preventers visible from the street shall be painted green to blend in with the surrounding landscaping. The backflow preventers shall be screened with landscaping and shall comply with the following criteria:

    a. There shall be a minimum clearance of four feet (4'), on all sides, from the backflow preventer to the landscaping.

    b. For maintenance purposes, the landscaping shall be installed on a maximum of three sides and the plant material shall not have thorns.

    c. The control valves and the water meter shall be physically unobstructed.

    d. The backflow preventer shall be covered with a green cover that will provide insulation. (Environmental Utilities)

33. A note shall be added to the Improvement Plans stating that all water backflow devices shall be tested and approved by the Environmental Utilities Department prior to the Notice of Completion for the improvements. (Environmental Utilities)

34. Fire hydrants shall be located as required by the Fire Department. The maximum distance between fire hydrants shall not exceed 500' on center. (Fire)

35. Minimum fire flow is 1,500 gallons per minute with 20 pounds of residual pressure. The fire flow and residual pressure may be increased, as determined by the Fire Marshall, where the project utility lines will serve non-residential uses. (Fire)

36. Any facilities proposed for placement within public/electric utility easements shall be subject to review and approval by the Electric Department before any work commences in these areas. This includes, but is not limited to, landscaping, lighting, paving, signs, trees, walls, and structures of any type. (Electric)

37. All Electrical Department facilities, including street lights where applicable, shall be designed and built to the "City of Roseville Specifications for Residential Trenching". (Electric)

38. The design for electrical service for this project will begin when the Electric Department has received a full set of improvement plans for the project. (Electric)

39. All landscaping in areas containing electrical service equipment shall conform to the "Electric Department Landscape Design Requirements" as outlined in Section 7.00 of the Electric Department's "Specifications for Residential Trenching." (Electric)

40. The location and design of the gas service shall be determined by PG&E. The design of gas service for this project shall not begin until PG&E has received a full set of City approved improvement plans for the project. (PG&E)

41. It is the developer's responsibility to notify PG&E of any work required on PG&E facilities. (PG&E)

PRIOR TO OR UPON RECORDATION OF FINAL/PARCEL MAP:

42. The following easements shall be provided and shown on the Final Map or by separate instrument, unless otherwise provided for in these conditions:

    a. Refer to the Tentative Map for all public utilities easement along all road frontages; and

    b. Water and sewer easements. (Environmental Utilities, Engineering)

43. All existing easements shall be maintained, unless otherwise provided for in these conditions. (Environmental Utilities, Electric, Engineering)

44. Separate document easements required by the City shall be prepared in accordance with the City's "Policy for Dedication of Easements to the City of Roseville". All legal descriptions shall be prepared by a licensed land Surveyor. (Alternative Transportation, Environmental Utilities, Electric, Engineering)

45. A declaration of Conditions, Covenants and Restrictions (CC&Rs), in a form approved by the City Attorney, shall be recorded on the entire property concurrently with the Final/Parcel Map. The CC&Rs shall include the following items: (Attorney, Planning)

    a. A clause prohibiting the amendment, revision or deletion of any sections in the CC&Rs required by these conditions of approval without the prior written consent of the City Attorney.

    b. A clause excluding any property owned by the City from the terms of the CC&Rs.

46. The City shall not approve the Final Map for recordation until either:

    a. A subdivision agreement is entered into along with the necessary bonds and insurance as required by the City. Said agreement shall be in a form acceptable to the City Attorney.

    OR

    b. The improvement plans are approved, and the improvements are constructed and accepted as complete. In this case, the subdivider shall enter into a one-year maintenance agreement concurrent with the recordation of the Final Map. (Engineering)

47. Any structures crossing Lot/Parcel lines created by the Final/Parcel map shall be removed. (Engineering)

48. Street names shall be approved by the City of Roseville. (Engineering)

49. The Final/Parcel Map shall include an irrevocable offer to dedicate public rights-of-way and public and/or private easements as required by the City. Lettered Lot//Parcel along major roads shall be dedicated as landscape/pedestrian/public utility easements and in fee to the City as open space. (Engineering)

50. The words "traffic control appurtenances" shall be included in the list of utilities allowed in public utilities easements (PUE's) located along public roadways. (Engineering)

51. The Final/Lot/Parcel/Parcel Map shall be submitted per, “The Digital Submittal of Cadastral Surveys”. Submittal shall occur after Engineering approval but prior to Council approval. (Engineering)

52. Electric construction costs incurred by the City of Roseville Electric Department for this project shall be paid for by the developer per the applicable policy. (Electric)

53. The Environmental Utilities Department shall make a determination that there is adequate conveyance and treatment capacity in the City sewer system to handle the newly created Lot/Parcels. (Environmental Utilities)

54. The applicant shall pay all applicable water and sewer fees. (Environmental Utilities)

OTHER CONDITIONS OF APPROVAL:

55. The applicant shall pay City's actual costs for providing plan check, installation and inspection services. This may be a combination of staff costs and direct billing for contract professional services. (Environmental Utilities, Engineering)

56. Any relocation, rearrangement, or change to existing electric facilities due to this development shall be at the developer's expense. (Electric)

57. It is the responsibility of the developer to insure that all existing electric facilities remain free and clear of any obstructions during construction and when the project is complete. (Electric)

58. All residential units must install a Seasonal Energy Efficiency Rating ("SEER") of 2 points above the minimum, as defined by the State of California in the current Title 24 of the Code of California regulations, up to a total maximum of 16 points including the 2 point premium, an Energy Efficiency Ratio ("EER") of 12 or greater, and a thermal expansion valve "TXV"). The SEER rating of 2 points above the minimum, as defined by the current Title 24, up to a maximum of 16 points, and an EER rating of 12 or greater along with a TXV will be specified on building plans and Title 24 compliance certificates at the time building permits are requested. If Title 24 of the Code of California Regulations in effect at the time of request for building permits requires higher SEER or EER ratings, residential units in the Plan Area shall comply with such State requirements. The SEER and EER ratings will be verified with appropriate documentation. These requirements shall be utilized in the overall energy compliance calculations required for issuance of a building permit for any residential unit. Any variances must be approved by the Electric Department's Retail Energy Services Department. (Building, Electric)

59. Existing public facilities damaged during the course of construction shall be repaired by the applicant, at the applicant's expense, to the satisfaction of the City. (Engineering)

60. The project is subject to the noise standards established in the City's Noise Ordinance. In accordance with the City's Noise Ordinance project construction is exempt between the hours of seven a.m. and seven p.m. Monday through Friday, and between the hours of eight a.m. and eight p.m. Saturday and Sunday. Provided, however, that all construction equipment shall be fitted with factory installed muffling devices and that all construction equipment shall be maintained in good working order. (Engineering)

61. If site survey or earth moving work results in the discovery of hazardous materials in containers or what appears to be hazardous wastes released into the ground, the contractor shall notify the Roseville Fire Department immediately. A representative from the Fire Department will make a determination as to whether the incident is reportable or not and if site remediation is required. Non-emergency releases or notifications about the presence of containers found shall be reported to the Fire Department. (Fire)

62. All plant material shall be maintained under a 30 calendar day establishment period after initial planting. Upon completion of the establishment period, all plant material shall remain under warrantee for an additional 9 months minimum. Any plant material which does not survive during the establishment period shall be immediately replaced. Any trees or shrubs which do not survive during the warrantee period shall be replaced one month prior to the end of the warrantee period. Tree or shrub replacement made necessary due to acts of God, neglect or vandalism shall be exempt from the warrantee. (Parks, Recreation, and Libraries)

CONDITIONS OF APPROVAL FOR THE DESIGN REVIEW FOR RESIDENTIAL SUBDIVISION

1. The development standards, unit designs and landscape plans for **SVSP PCL JM-40 – JM-40 Subdivision** are approved as described in the revised Exhibits I–J, except as modified by these conditions of approval. (Planning)

2. This permit shall expire on the same date as the Tentative Map for **SVSP PCL JM-40 – JM-40 Subdivision** (**File #PL20-0103), which is December 10, 2022**. Prior to said expiration date, the applicant may apply for an extension of time, provided this approval does not extend the expiration beyond **December 10, 2023**. Effectuation of this DRRS shall occur with the first residential Building Permit. (Planning)

3. The landscape plan shall comply with the Landscape Guidelines for the Sierra Vista Specific Plan and the City of Roseville Water Efficient Landscape Ordinance. (Planning)

4. The project shall comply with all required environmental mitigation identified in the Sierra Vista Specific Plan EIR (State Clearinghouse #2008032115, certified May 5, 2010) and subsequent Addendum prepared for the project, and shall include all applicable mitigation measures as notes on the grading plans. (All Departments)

5. To provide variation along the streetscape, no two identical unit designs shall be located adjacent to one another. (Planning)

6. Lots with street-facing rear and side elevations shall be constructed with enhanced architectural details. (Planning)

PRIOR TO ISSUANCE OF BUILDING PERMITS:

7. The project Landscape Plans shall comply with the following:

    a) The Landscape Plan shall indicate the location of, and be designed to avoid conflicts with, all pole-mounted light fixtures and utility equipment including (but not limited to) electric transformers, switchgear, and overhead lines, backflow preventers, fire department connections, and public water, sewer, and storm drain facilities. (Planning, Fire, EUD, Electric, Public Works)

b) At a minimum, landscaped areas not covered with live material shall be covered with a rock, (3") bark (no shredded bark) or (3") mulch covering. (Planning)

8. All on-site external lighting shall be installed and directed to have no off-site glare. (Planning)

9. Building permit plans shall comply with all applicable code requirements (California Residential Code- CRC- based on the International Residential Code, California Building Code – CBC – based on the International Building Code, California Green Building Standards Code-CGBSC, California Mechanical Code – CMC – based on the Uniform Mechanical Code, California Plumbing Code – CPC – based on the Uniform Plumbing Code, California Fire Code – CFC – based on the International Fire Code – with City of Roseville Amendments – RFC, California Electrical Code – CEC – based on the National Electrical Code, and California Energy Standards – CEC T-24 Part 6), California Title 24 and the American with Disabilities Act - ADA requirements, and all State and Federally mandated requirements in effect at the time of submittal for building permits (contact the Building Division for applicable Code editions). (Building)

10. Prior to the issuance of building permits, the property owner shall pay into the following fee programs: Citywide Drainage Fee, Citywide Traffic Mitigation Fee (TMF), Highway 65 Joint Partners Association (JPA), South Placer Regional Transportation Authority (SPRTA), and City/County Fee. (Engineering)

11. The design and installation of all fire protection equipment shall conform to the California Fire Code and the amendments adopted by the City of Roseville, along with all standards and policies implemented by the Roseville Fire Department. (Fire)

12. The applicable codes and standards adopted by the City shall be enforced at the time construction plans have been submitted to the City for permitting. (Fire)

13. Testing of all fire systems shall be performed prior to opening the sales office for business. (Fire)

14. Framing construction cannot commerce until access roads and public fire hydrants are approved by the Fire Department. (Fire)

15. It is the developer's responsibility to notify PG&E of any work required on PG&E facilities. (PG&E)

DURING CONSTRUCTION AND PRIOR TO ISSUANCE OF OCCUPANCY PERMITS:

16. All electric metering shall be directly outside accessible. (Electric)

17. It is the responsibility of the developer to ensure that all existing electric facilities remain free and clear of any obstruction during construction and when the project is complete. (Electric)

OTHER CONDITIONS OF APPROVAL:

18. The project is subject to the noise standards established in the City's Noise Ordinance. In accordance with the City's Noise Ordinance project construction is exempt between the hours of seven a.m. and seven p.m. Monday through Friday, and between the hours of eight a.m. and eight p.m. Saturday and Sunday. Provided, however, that all construction equipment shall be fitted with factory installed muffling devices and that all construction equipment shall be maintained in good working order. (Building)

19. The required width of fire apparatus access roads shall not be obstructed in any manner, including the parking of vehicles. Minimum required widths and vertical clearances established by the Fire Code shall be maintained at all times during construction. Closure of accesses for fire apparatus by gates, barricades and other devices shall be prohibited unless approved by the Fire Chief. (Fire)

20. Temporary aboveground storage tanks may be used at construction sites for diesel fuel only and shall not exceed 1,000 gallon capacity. Tanks shall comply with all provisions found within the Fire Code. A Fire Department Permit shall be obtained prior to tank installation. The permit shall expire after 90 days from the date of issuance, unless extended by the Fire Chief. (Fire)

21. Signs are not approved as part of the Design Review Permit. A Sign Permit is required for all project signs. (Planning)

22. Following the installation of the landscaping, all landscape material shall be maintained in a healthy and weed free condition; dead plant material shall be replaced immediately. All trees shall be maintained and pruned in accordance with the accepted practices of the International Society of Arboriculture (ISA). (Planning)

23. Fences and walls shall be consistent with the locations and treatments specified in the Sierra Vista Specific Plan Design Guidelines. (Planning)

24. The location and design of the gas service shall be determined by PG&E. The design of the gas service for this project shall not begin until PG&E has received a full set of City approved improvement plans for the project. (PG&E)

25. Any relocation or modification to the existing utility facilities or other existing improvements required for the development of this subdivision shall be at the developer’s expense. (Electric, Environmental Utilities, Engineering, Fire)

NOTICE TO PROJECT APPLICANT: All materials introduced at a public hearing or included with the project's staff report, including but not limited to exhibits, photographs, video or audio tapes, plan sets, architectural drawings, models, color and materials palettes, and maps must be retained by the Planning Division as a part of the public record for one year following the City's final action on the project. Official project file materials will be kept in conformance with the Planning Division's adopted retention schedule. Color renderings and material boards will be disposed of after the project is built and the project receives a certificate of occupancy or at the end of one year, whichever is later.

CC EXHIBIT A

CITY OF ROSEVILLE CALIFORNIA

DEVELOPMENT SERVICES DEPARTMENT–PLANNING DIVISION

311 Vernon St, Roseville, CA 95678 (916) 774-5276

3rd ADDENDUM TO THE SIERRA VISTA SPECIFIC PLAN ENVIRONMENTAL IMPACT REPORT (SCH #2008032115, ADOPTED ON MAY 5, 2010)

Project Title/File Number:	SVSP PCL JM-40 – Sierra Vista JM-40 Subdivision; File #PL20-0103
Project Location:	1690 Vista Grande Boulevard, Roseville, Placer County, CA; APN 498-010-034-000
Project Description:	The proposed project is a 35-unit single-family residential subdivision on Parcel JM-40. The project includes a General Plan Amendment for Parcel JM-40 from Community Commercial (CC-7) to Medium Density Residential (MDR-7.8), a Specific Plan Amendment from Community Commercial/Commercial Mixed Use (CC/CMU) to MDR, a Rezone from Commercial Mixed Use/Special Area (CMU/SA) to Small Lot Residential with Modified Development Standards (RS/DS), and a Design Review for Residential Subdivision and a Tentative Subdivision Map. A Specific Plan Amendment (SPA) is also requested to transfer five (5) units from JM-40 to JM-30. A Development Agreement Amendment (DAA) is included to reflect the unit transfers.
Project Applicant:	David Cobbs, Baker Williams Engineering Group
Property Owner:	Steve Schnable, Mourier Investments LLC
Lead Agency Contact:	Kinarik Shallow, Associate Planner; Phone (916) 746-1309

An Addendum to a previously certified environmental impact report (EIR) may be prepared for a project if only minor technical changes or additions are necessary or none of the conditions calling for the preparation of a subsequent EIR or negative declaration have occurred (California Environmental Quality Act Guidelines [CEQA] Section 15164). Consistent with CEQA Guidelines Section 15164, the below analysis has been prepared in order to demonstrate that none of the conditions described in Section 15162 of the CEQA Guidelines calling for preparation of a subsequent EIR have occurred and that only minor technical changes or additions are necessary in order to deem the adopted EIR adequate to describe the impacts of the proposed project. CEQA Guidelines Section 15164 also states that an addendum need not be circulated for public review, but can be included in or attached to the final EIR for consideration by the hearing body. This Addendum focuses only on those aspects of the project or its impacts which require additional discussion.

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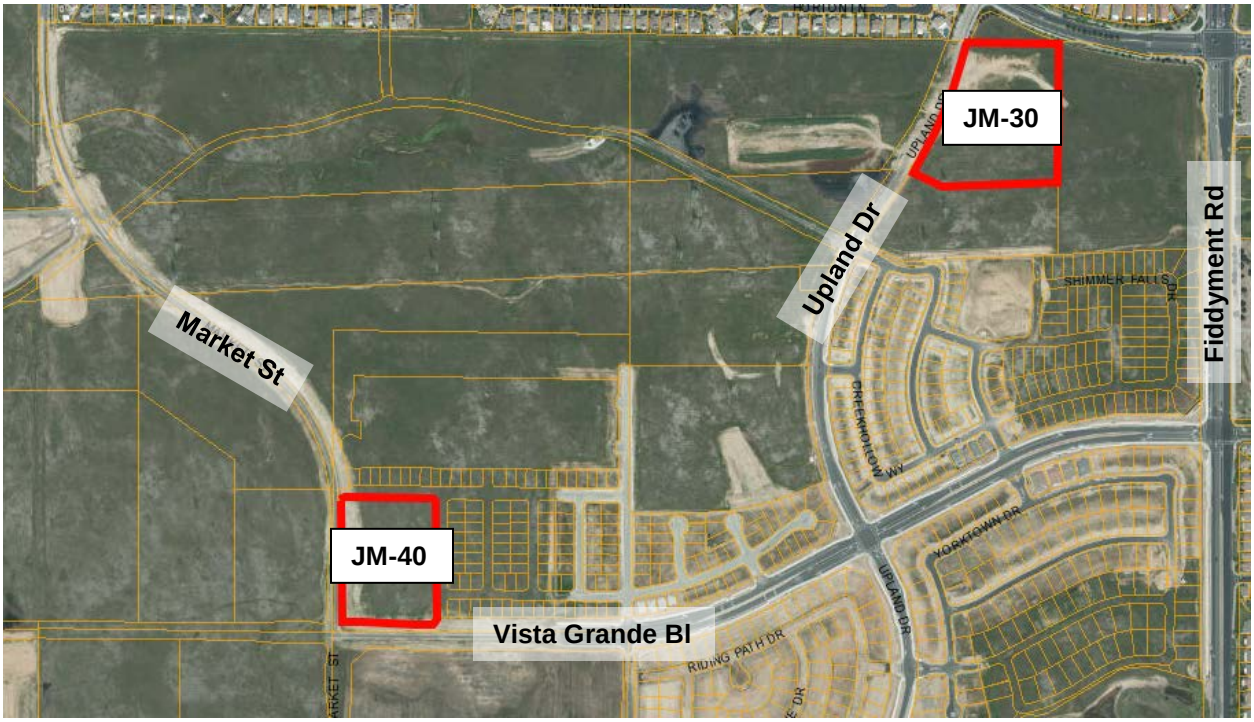
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PROJECT DESCRIPTION

Project Location

The 5.65-acre project site is located on Parcel JM-40 of the Sierra Vista Specific Plan (SVSP), at the northeast corner of Market Street and Vista Grande Boulevard (Figure 1). The address of the project site is 1690 Vista Grande Boulevard. The proposed unit transfer is between Parcel JM-30 of the SVSP, which is located at 4950 Upland Drive (also shown in Figure 1 for reference); no development is being proposed on Parcel JM-30 with this project.

Figure 1: Project Location (Parcel JM-40)



Background

The SVSP was approved by the City Council on May 5, 2010 (file #2007PL-044). An Environmental Impact Report (EIR) was certified on May 5, 2010 (SCH #2008032115) and a Mitigation Monitoring Program was adopted with the SVSP. The plan area includes 2,064 acres west of Fiddyment Road, north of Baseline Road. The SVSP at a program level anticipated development of the plan area with a mix of residential, commercial, parks and open space land uses. Additionally, Development Agreements with the property owners of the SVSP parcels and the City were entered into to outline development obligations within the SVSP.

The SVSP identifies Parcel JM-40 as part of the "Village Node District", which is intended to support a mixture of commercial and high-density residential uses. As such, the Specific Plan land use designation of the site is Community Commercial/Commercial Mixed Use (CC/CMU). Parcel JM-40 is allocated residential units based on a density of 7 units per acre, which amounts to 40 units based on the 5.65-acre size of the parcel. Parcel

JM-30 is identified as a High Density Residential (HDR) parcel at a density of 21 units per acre and is a designated affordable housing site.

Environmental Setting

The project site is undeveloped and is dominated by relatively flat topography. The site is vegetated with non-native grassland and does not contain any native oak trees. Aerial photography shows evidence of previous ground disturbance on the site due to construction of the adjacent roadways. There is no evidence of wetlands or designated open space areas on the site. The site is adjacent to single-family residential subdivisions to the north and east that are currently under construction, an undeveloped Commercial Mixed Use parcel to the west across Market Street, and an undeveloped Medium Density Residential parcel to the south across Vista Grande Boulevard.

Table 1: Adjacent Zoning and Land Use

Location	Zoning	General Plan Land Use	Actual Use of Property
Site	Commercial Mixed Use/Special Area (CMU/SA)	Community Commercial (CC-7)	Vacant
North	Small Lot Residential/Development Standards (RS/DS)	Medium Density Residential (MDR-8.1)	Vacant, approved single-family residential
South	Vista Grande Boulevard with RS/DS beyond	MDR-7.9	Vacant
East	RS/DS	MDR-8.1	Vacant, approved single-family residential
West	Market Street with CMU/SA beyond	CC-7	Vacant

Proposed Project

The proposed project is a 35-unit single-family residential subdivision on Parcel JM-40. No development is being proposed on Parcel JM-30 at this time. Approval of the project would reduce the commercial mixed use acreage in the SVSP from 35.33 acres to 29.68 acres, while increasing the medium density residential acreage from 309.05 acres to 314.7 acres. The project would replace 40 commercial mixed use residential units intended to be located on the commercial mixed use parcel with 35 medium density residential uses on Parcel JM-40.

The project includes the following entitlements:

A. **General Plan Amendment (GPA)** – The project includes a GPA to amend the land use designation of Parcel JM-40 from Community Commercial (CC-7) to Medium Density Residential (MDR-7.8). The proposed changes will add Medium Density Residential acreage and decrease Community Commercial acreage, but will not change the overall number of residential units designated for the project area or extend beyond the development area of the SVSP.

B. **Specific Plan Amendment (SPA)** – As mentioned, the SVSP designates Parcel JM-40 as a Commercial Mixed Use (CC/CMU) parcel. The project includes an Amendment to the SVSP, which includes land use changes consistent with those described in the General Plan Amendment. In addition, the project includes a transfer of five (5) units from parcel JM-40 to JM-30; JM-30 will have a new allocation of 164 units and JM-40 will have a new allocation of 35 units. The unit transfer does not change the HDR land

use designation of JM-30. The Specific Plan Amendment includes changes to the text, tables, and figures to reflect the land use changes and unit transfers.

C. Rezone – The project includes a Rezone to change the zoning designation of Parcel JM-40 from Commercial Mixed Use/Special Area (CMU/SA) to Small Lot Residential with Modified Development Standards (RS/DS). The RS/DS zoning designation is consistent with the proposed MDR land use, and will facilitate development of the proposed residential subdivision.

D. Development Agreement (DA) Amendments – The project includes the amendment of two development agreements within the SVSP: 1.) Mourier & Bagley and 2.) Mourier & Computer Deductions. The amendments reflect the proposed land use changes and the change in the number of units within the affected development agreements. Both amendments include updates to the parties' obligations with respect to groundwater production wells and recycled water facilities, and updates to the parties' evaluation of water conservation goals.

E. Tentative Subdivision Map – The applicant proposes a new subdivision on Parcel JM-40 that will consist of 35 lots. The Tentative Subdivision Map is included as Attachment 2.

F. Design Review for Residential Subdivision – The project includes elevations and modified development standards for the proposed subdivision. The design review package, which includes floor plans, elevations, and typical landscape plans, is included as Attachment 3. The modified development standards are included as Attachment 4.

PURPOSE AND SCOPE OF ADDENDUM

This Addendum has been prepared to identify and assess the anticipated environmental impacts of the above-described project. The document relies on previous environmental documents and site-specific studies prepared to address in detail the effects or impacts associated with the project as well as updated technical analyses, prepared by qualified consultants. This document has been prepared to satisfy the California Environmental Quality Act (CEQA), (Public Resources Code, Section 21000 et seq.) and the State CEQA Guidelines (14 CCR 15000 et seq.). CEQA requires that all state and local government agencies consider the environmental consequences of projects over which they have discretionary authority before acting on those projects.

Where, as here, an EIR addressing an earlier version of the project has been previously prepared and certified, the lead agency considers the relevance of that prior EIR in light of the current modified version of the project and changed circumstances since the time of the preparation of the prior EIR. Pursuant to CEQA Guidelines §15162-15163, if the lead agency determines, based on substantial evidence, that new information of substantial importance, or changes to the project or surrounding circumstances will require major revisions to the previous EIR due either to a new significant effect or a substantial increase in the severity of a previously identified significant effect on the environment, the lead agency is required to prepare a Subsequent EIR or an EIR Supplement to analyze the project at hand. Pursuant to CEQA Guidelines §15164, if the agency finds no basis for requiring the preparation of either a Subsequent EIR or an EIR Supplement, but some changes or additions are necessary, an Addendum shall be prepared.

The Sierra Vista Specific Plan EIR was adopted by City Council on May 5, 2010. The document analyzed the impacts that would occur as a result of development of the SVSP area. A copy of the SVSP EIR is available for review online at www.roseville.ca.us/planning under Specific Plans and then the Sierra Vista Specific Plan page. The City Council adopted a Statement of Overriding Considerations when it certified the SVSP EIR. The EIR identified the following impacts associated with development of the SVSP area, including the buildout of the project area, as significant and unavoidable:

- Conversion of agricultural land to developed uses

- Inducement of substantial population growth
- Increased traffic on City of Roseville roadways
- Increased traffic on State Highways, including Interstate 80
- Increased traffic on Placer County roadways
- Increased emissions of fugitive dust and PM10 from grading and trenching activities (short term)
- Increased emissions of ozone precursors during construction (short-term)
- Increased emissions of air pollutants during operation
- Loss of oak trees of greater than 6 inches diameter breast height (dbh) (short-term)
- Removal of historically significant properties and/or loss of historic integrity of such resources
- Increased demand for solid waste services at the Western Regional Sanitary Landfill
- Increased demand for solid waste services at the Materials Recovery Facility (MRF)
- Construction debris demand for solid waste services
- Alteration of the visual character of the site and vicinity
- New sources of light and glare

For build out of the SVSP project area, the SVSP EIR also identified the following cumulative impacts as significant and unavoidable:

- Agricultural land conversion
- Air pollutant emissions from construction
- Air pollutant emissions from operation
- Contribution to greenhouse gas emissions/global warming
- On-site noise levels that exceed City standards
- Off-site noise levels that exceed City standards
- Traffic impacts to Roseville, Placer County, Sacramento County, Sutter County and State facilities
- Increased demand for water
- Increased demand for recycled water distribution system
- Increased generation of solid waste
- Change in visual character

The analyses below rely on the EIR analysis with minor supplements or technical updates where appropriate. Most of the project impacts remain identical to the impacts of the SVSP EIR, because the proposed project changes the balance of land uses, but requires the same grading and development as the existing approved land uses. Impacts to physical resources (such as agricultural land, biological resources, etc.) are based on the grading and development of an area, not on the land use designation of the property. For other types of impacts which are affected by land use type, the project uses reduce or maintain the same level of potential impacts.

ENVIRONMENTAL CHECKLIST FOR ADDENDUM ENVIRONMENTAL REVIEW

The purpose of this checklist is to evaluate the categories in terms of any "changed condition" (i.e. changed circumstances, project changes, or new information of substantial importance) that may result in a changed environmental result. A "no" answer does not necessarily mean there are no potential impacts relative to the environmental category, but that there is no change in the condition or status of the impact since it was analyzed and addressed in prior environmental documents.

EXPLANATION OF CHECKLIST EVALUATION CATEGORIES

Where Impact was Analyzed
This column provides a cross-reference to the pages of the prior environmental documents where information and analysis may be found relative to the environmental issue listed under each topic.

Do Proposed Changes Involve New Significant Impacts?
Pursuant to Section 15162(a)(1) of the CEQA Guidelines, this column indicates whether the changes represented by the current project will result in new significant impacts that have not already been considered and mitigated by the prior environmental review documents and related approvals, or will result in a substantial increase in the severity of a previously identified impact.

Any new Circumstances Involving New Impacts?
Pursuant to Section 15162(a)(2) of the CEQA Guidelines, this column indicates whether there have been changes to the project site or the vicinity (circumstances under which the project is undertaken) which have occurred subsequent to the certification or adoption of prior environmental documents, which would result in the current project having new significant environmental impacts that were not considered in the prior environmental documents or that substantially increase the severity of a previously identified impact.

Any new Information Requiring New Analysis or Verification?
Pursuant to Section 15162(a)(3)(A–D) of the CEQA Guidelines, this column indicates whether new information of substantial importance which was not known and could not have been known with the exercise of reasonable diligence at the time the previous environmental documents were certified or adopted is available requiring an update to the analysis of the previous environmental documents to verify that the environmental conclusions and mitigation measures remain valid. Either "yes" or "no" will be answered to indicate whether there is new information showing that: (A) the project will have one or more significant effects not discussed in the prior environmental documents; (B) that significant effects previously examined will be substantially more severe than shown in the prior environmental documents; (C) that mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; or (D) that mitigation measures or alternatives which are considerably different from those analyzed in the prior environmental documents would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative. If "no," then no additional environmental documentation (supplemental or subsequent EIR) is required.

Mitigation Measures Implemented or Addressing Impacts
Pursuant to Section 15162(a)(3) of the CEQA Guidelines, this column indicates whether the prior environmental documents provide mitigation measures to address effects in the related impact category. In some cases, the mitigation measures have already been implemented. A "yes" response will be provided in any instance where mitigation was included, regardless of whether the mitigation has been completed at this time. If "none" is indicated, this environmental analysis concludes a significant impact does not occur with this project, no mitigation was previously included, and no mitigation is needed.

DISCUSSION AND MITIGATION SECTIONS

Discussion
A discussion of the elements of the checklist is provided under each environmental category in order to clarify the answers. The discussion provides information about the particular environmental issue, how the project relates to the issue and the status of any mitigation that may be required or has already been implemented.

Mitigation Measures
Applicable mitigation measures from the prior environmental review that apply to the project are listed under each environmental category.

Conclusions
A discussion of the conclusion relating to the analysis contained in each section.

OTHER CONSIDERATIONS

Since the publication of the SVSP EIR, the Office of Planning and Research (OPR) has updated CEQA Guidelines Appendix G (Environmental Checklist Form). These updates address legislative changes to CEQA, clarify language, and update language consistent with case law. None of the changes to the checklist require new analysis related to impacts which were not known or which could not have been known at the time the SVSP EIR was prepared. The majority of the checklist changes clarify language, reorganize existing language, or eliminate analysis requirements. For analysis requirements which have been eliminated, this is in response to case law affirming that analysis must focus on impacts caused by the project, not impacts to the project. An example of each of these types of changes is included below:

- Cultural Resources (a): Cause a substantial adverse change in the significance of an historic resource ~~as defined in~~ pursuant to Section 15064.5?

  The replacement of "as defined in" with "pursuant to" is a phrasing change which has no impact on required analysis.

- Cultural Resources (c) has been moved to Geology and Soils (f).

  Moving the topical section of this analysis requirement (which is related to paleontological resources) from Cultural Resources to Geology and Soils has no impact on required analysis.

- Noise (b): ~~Exposure of persons to or~~ Generation of excessive ground borne vibration of ground borne noise levels?

  The above changes redirect the analysis from considering overall exposure of persons to ground borne vibration, and focus the analysis on any ground borne vibration generated by a project. This same change is reflected in all other checklist questions related to noise. Therefore, the EIR included more analysis than is currently required, because they included analysis related to exposing neighboring areas to noise, but also analyzed the effect of noise on the proposed uses; the latter analysis is no longer required.

The updated CEQA Guidelines Appendix G also includes three new sections (Tribal Cultural Resources, Energy, and Wildfire) and includes new and modified requirements as part of the Transportation/Traffic section. Although the Tribal Cultural Resources section is new, the analysis of this impact area was included in the SVSP EIR as part of the Cultural Resources section. The new Energy section was formerly included in CEQA Guidelines Appendix F, but has been moved into the Appendix G, so while it is new to the checklist it is not new to the CEQA Guidelines. In regards to Wildfire, the California Department of Forestry and Fire Protection (CAL FIRE) is the state agency responsible for wildland fire protection and management. As part of that task, CAL FIRE maintains maps designating Wildland Fire Hazard Severity zones. The City is not located within a Very High Fire Hazard Severity Zone, and is not in a CAL FIRE responsibility area; fire suppression is entirely within local responsibility. Therefore, the Wildfire section does not apply because the project site is not within a Very High Fire Hazard Severity Zone and is not in a CAL FIRE responsibility area.

The changes to the Transportation/Traffic section—which is now called simply Transportation—refocuses the analysis on vehicle miles traveled (VMT). The General Plan Update (GPU) EIR[1] used the Roseville travel forecasting model to estimate VMT for the City. The VMT data was then normalized to residents as a "per capita" rate. As described in the GPU EIR, and consistent with the VMT reductions in OPR's *Technical Advisory on Evaluating Transportation Impacts in CEQA*, the City has adopted a VMT significance threshold of 12.8 VMT/capita. This threshold represents a 15 percent reduction to baseline per capita VMT. The GPU EIR

[1] General Plan Update EIR: www.roseville.ca.us/GeneralPlan

concluded that buildout of the remaining undeveloped areas of the City, consistent with existing land use designations and existing development agreements, would exceed the City's adopted threshold resulting in a Significant Impact in both the constrained and unconstrained buildout scenarios; and that mitigation requiring land use changes was not feasible because of existing development agreements in place for the undeveloped areas of the City.

As stated in the GPU EIR and pursuant to the tiering provisions of CEQA, projects that are consistent with the General Plan do not require further VMT analysis. Quantitative analyses are not required if it can be demonstrated that a project would generate VMT which is equivalent to or less than what was assumed in the GPU EIR. The proposed development requires a land use amendment from Commercial Mixed Use (CMU) to Medium Density Residential (MDR) to facilitate a 35-unit single-family residential subdivision on Parcel JM-40. As mentioned previously, the SVSP has 40 residential units currently allocated to Parcel JM-40. The project proposes to transfer five (5) of these units to Parcel JM-30; therefore, the overall number of allocated units in the SVSP remain unchanged. The GPU EIR assumed a rate of 2.7 persons per unit when calculating VMT per capita. The proposed project does not change the total number of units anticipated for buildout of the SVSP and analyzed in the GPU EIR; therefore, it can be concluded that the project is consistent with GPU EIR analysis as it relates to VMT, and the project does not require further VMT analysis.

Based on the foregoing, none of the modifications to CEQA Guidelines Appendix G require new analysis related to impacts which were not known or which could not have been known at the time the SVSP EIR was prepared. Therefore, an Addendum is the appropriate environmental document to describe the impacts of the proposed project.

CHECKLIST

I. Aesthetics

	Where Impact Was Analyzed in Prior Environmental Documents	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a. Have a substantial adverse effect on a scenic vista?	SVSP EIR Section 4.14	No	No	No	None
b. Substantially damage scenic resources, including but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	Same	No	No	No	None
c. Substantially degrade the existing visual character or quality of the site and its surroundings?	Same	No	No	No	None
d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	Same	No	No	No	SVSP EIR MM 4.13-1

Discussion: Impacts to visual and aesthetic resources were adequately addressed in the SVSP EIR as it relates to the proposed project, and were previously identified as significant and unavoidable. There is no significant change in the proposed project that would change the environmental impact for this section. The proposed land use change and subdivision map do not introduce development to properties not already planned for development.

The project has been evaluated for compliance with the City's Community Design Guidelines and the design guidelines established in the SVSP. As it relates to aesthetics, these standards ensure the high quality design and architectural character of any buildings developed as well as minimum landscaping standards. As it relates to light and glare, MM 4.13-1 requires all light fixtures for commercial and office uses to have glare shields and all new buildings to be constructed with low-glare materials. However, MM 4.13-1 is inapplicable to the proposed project given that it is a residential subdivision. In any case, lighting is conditioned to comply with City standards (i.e., CDG) to limit the height of light standards and also require cut-off lenses and glare shields to minimize light and glare impacts. Based on the reasons listed in this section, there would be no new significant impacts not previously identified in the SVSP EIR. Therefore, pursuant to CEQA Guidelines section 15164, subdivision (a), the City finds that "none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred" relative to aesthetic resources.

Mitigation Measures: None required.

II. Agricultural & Forestry Resources

	Where Impact Was Analyzed in Prior Environmental Documents	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	SVSP EIR Section 4.1	No	No	No	SVSP EIR MM 4.1-2
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	Same	No	No	No	None
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	Same	No	No	No	None
d) Result in the loss of forest land or conversion of forest land to non-forest use?	Same	No	No	No	None
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	Same	No	No	No	None

Discussion: Agricultural resources were adequately addressed in the SVSP EIR as it relates to the proposed project. There is no significant change in the proposed project that would change the environmental impact for this section. The SVSP EIR concluded development of the project area would convert fallow grazing land to urbanized development. The proposed project will result in the same impact, as it falls within the planned development footprint of the SVSP. The project site is not used for agricultural purposes, does not include agricultural zoning, is not within or adjacent to one of the areas of the City designated as a protected farmland category on the Placer County Important Farmland map, is not within

or adjacent to land within a Williamson Act Contract, and is not considered forest land. For these reasons, no subsequent or supplemental EIR is required for the project with respect to agricultural and forestry resources.

Mitigation Measures: SVSP EIR Mitigation Measure MM 4.1-2 required preservation of open space within Placer County in order to mitigate for the loss of open space in the SVSP. Though this measure remains applicable to the project, the measure has been completed via an established fee program that directs funds to the Placer Land Trust, which then sets aside land.

III. Air Quality

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Conflict with or obstruct implementation of the applicable air quality plan?	SVSP EIR Section 4.4	No	No	No	None
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	Same	No	No	No	SVSP EIR MM 4.4-1, MM 4.5-1, and MM 4.5-2
c) Result in a cumulatively considerable net increase of any criteria for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions, which exceed quantitative thresholds for ozone precursors)?	Same	No	No	No	SVSP EIR MM 4.4-1, MM 4.5-1, and MM 4.5-2
d) Expose sensitive receptors to substantial pollutant concentrations?	Same	No	No	No	None
e) Create objectionable odors affecting a substantial number of people?	Same	No	No	No	None

Discussion: As noted previously, the SVSP EIR found the following air quality impacts to be significant and unavoidable:

- Increased emissions of fugitive dust and PM10 from grading and trenching activities (short term)

- Increased emissions of ozone precursors during construction (short-term)
- Increased emissions of air pollutants during operation
- Air pollutant emissions from construction
- Air pollutant emissions from operation
- Contribution to greenhouse gas emissions/global warming

The SVSP EIR concluded that standard dust control and other construction measures would be sufficient to avoid particulate matter and ozone precursor construction impacts, but that reactive organic gases would remain significant. Construction activity associated with the proposed project remains consistent with the scale of activity and resulting scope of impacts anticipated in the SVSP EIR.

The following discussion focuses on emissions of ROG**,** NO_x, or PM. A project-level analysis has been prepared to determine whether the project will, on a singular level, exceed the thresholds established by the Placer County Air Pollution Control District (PCAPCD). The California Emissions Estimator Model (CalEEMod) Version 2016.3.2 was used to model the construction emissions of the project (see Attachment 4). The CalEEMod was run using the model defaults as well as project specific information such as land use and lot acreage. According to the model results, the project will result in maximum daily emissions of 39.64 lb/day of ROG and 40.54 lb/day of NO_x during construction; these emissions fall below the 82-lb/day thresholds for these constituents. Therefore, construction air quality impacts are less than significant.

The PCAPCD maintains screening thresholds to determine when modeling is required to evaluate impacts from project operation. The screening thresholds indicate that residential projects with less than 617 single family units will not result in NO_x emissions that exceed 55 lbs/day, and therefore modeling is not required. Typically, NO_x emissions are substantially higher than ROG and PM_{10}; therefore, it can be assumed that projects that do not exceed the NO_x threshold will not exceed the ROG and PM_{10} thresholds, and will not result in a significant impact related to operational emissions. The project consists of the construction of 35 single family units, which is well below PCAPCD's modeled example. Thus, the project is not expected to result in operational emissions that would exceed the district's thresholds for significance. In addition, as described in the Transportation section of this Addendum, the change in land use for Parcel JM-40 from Commercial/Commercial Mixed Use to Medium Density Residential will result in an overall decrease in trip generation on both a peak hour and daily trip basis. For operational impacts, a reduction in emissions will be commensurate with the reduction in trip generation.

The project must also comply with all applicable PCAPCD rules and regulations. The project would not substantially contribute to the region's nonattainment status for ozone or particulate matter, and implementation of the project will not violate an air quality standard or contribute to an existing or projected air quality violation. In addition, because the proposed project would not produce substantial emissions of criteria air pollutants, adjacent residents or businesses would not be exposed to significant levels of pollutant concentrations during construction or operation. Based on the reasons listed in this section, there would be no new significant impacts not previously identified in the SVSP EIR. Therefore, pursuant to CEQA Guidelines section 15164, subdivision (a), the City finds that "none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred" relative to air quality impacts.

Mitigation Measures: Mitigation Measures 4.4-1 (construction emissions), 4.5-1 (operational emissions), 4.5-2 (greenhouse gas emissions) from the SVSP EIR remain applicable to the proposed project, and have been incorporated into the design of the project as appropriate. These mitigation measures can be found in the table of applicable mitigation measures included with this Addendum (see Attachment 1).

IV. Biological Resources

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	SVSP EIR Section 4.8	No	No	No	SVSP EIR MM 4.8-1 to 4.8-7
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies or regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	Same	No	No	No	SVSP EIR MM 4.8-4 to 4.8-7
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	Same	No	No	No	SVSP EIR MM 4.8-1 to 4.8-7

d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	Same	No	No	No	SVSP EIR MM 4.8-4 to 4.8-7
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	Same	No	No	No	None
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	Same	No	No	No	None

Discussion: Biological Resources were adequately addressed in the SVSP EIR as it relates to the proposed project. Mitigation measures were adopted to reduce impacts to wetlands, vernal pool species, Swainson's hawk, burrowing owl, and other protected raptors nesting and foraging habitat to less-than-significant levels. There is no significant change in the proposed project that would change the environmental impact for this section and the proposed project is located on properties already anticipated for development.

The proposed project would not result in any new or modified impacts to biological resources beyond what was previously analyzed in the SVSP EIR. In addition, it should be noted that there are no natural features present onsite. The project site is devoid of trees, vernal pools, and other water features. The site is primarily populated by non-native annual grasses and aerial photography shows evidence of previous ground disturbance on the site due to construction of the adjacent roadways. The mitigation measures adopted with certification of the SVSP EIR remain applicable and no additional impacts will occur. Impacts remain less than significant upon compliance with the applicable mitigation measures.

Mitigation Measures: Mitigation Measure MM 4.8-1 (wetland permits and no net loss), 4.8-2 (relocate western spadefoot), 4.8-3 (protection for nesting birds), 4.8-4 (preservation of grassland habitat), 4.8-5 (wildlife movement protection), 4.8-6 (habitat restoration), 4.8-7 (off-site surveys for infrastructure), and 4.14-3 (avoid light spill into Curry Creek open space) were identified to reduce the impacts to biological resources to less than significant. Not all of these measures are applicable to the currently proposed project, as the proposed development covers a smaller area within the SVSP project area. The Curry Creek open space is not within or adjacent to the proposed project, so none of the measures specific to the Curry Creek area apply to the current project. This includes portions of MM 4.8-3 dealing with bird species which nest in Curry Creek marsh habitat, and MM 4.14-3 to avoid light spillage into Curry Creek. The remaining adopted measures are applicable to the proposed project.

V. Cultural, Archeological, or Paleontological Resources

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Cause a substantial adverse change in the significance of an historic resource as defined in Section 15064.5?	SVSP EIR Section 4.9	No	No	No	None
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?	Same	No	No	No	SVSP EIR MM 4.9-1 to 4.9-2
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	Same	No	No	No	SVSP EIR MM 4.9-1 to 4.9-2
d) Disturb any human remains, including those interred outside of dedicated cemeteries?	Same	No	No	No	SVSP EIR MM 4.9-1 to 4.9-2

Discussion: The SVSP EIR discussed the potential for subsurface remains or deposits to be found on the site, and included a mitigation measure requiring a cessation of work should any item of cultural interest be found. The mitigation was found to render potential impacts less than significant. The project will result in the same impact, and the mitigation remains applicable to the proposed project. Consistent with state law, notice of the proposed project was mailed on July 1, 2020 to tribes which had requested such notice pursuant to Assembly Bill 32 (AB32) and Senate Bill 18 (SB18). A request for consultation was received from the United Auburn Indian Community (UAIC) on July 15, 2020. The UAIC requested a standard mitigation measure (TCR-1) be made a requirement of the project to reduce impacts to resources, should any be found on-site. The measure requires an immediate cessation of work, and contact with the appropriate agencies to address the resource before work can resume. This measure is already required by the prior EIR, but the standard language has been updated since the original EIR was published, and therefore the most current version of this measure is included below as mitigation measure TCR-1.

Mitigation Measures: Mitigation Measure 4.9-1 (cease work and consult with archeologist) and 4.9-2 (cease work and consult with paleontologist) remain applicable to the proposed project.

TCR-1: **Inadvertent Discoveries** – If any TCRs are discovered during ground disturbing construction activities, all work shall cease within 100 feet of the find. The appropriate tribal representatives from culturally affiliated tribes shall be immediately notified. Work at the discovery location cannot resume until it is determined, in consultation with culturally affiliated tribes, that the find is not a TCR, or that the find is a TCR and all necessary investigation and evaluation of the discovery under the requirements of the CEQA, including AB 52, has been satisfied. Preservation in

place is the preferred alternative under CEQA and UAIC protocols, and every effort must be made to preserve the resources in place, including through project redesign. The contractor shall implement any measures deemed by the CEQA lead agency to be necessary and feasible to preserve in place, avoid, or minimize impacts to the resource, including, but not limited to, facilitating the appropriate tribal treatment of the find, as necessary.

VI. Energy

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	SVSP EIR Section 4.12.5	No	No	No	None
b) Conflict with or obstruct a state or local plan for renewable energy or energy inefficiency?	SVSP EIR Section 4.12.5	No	No	No	None

Discussion: The SVSP EIR concluded that development and implementation of the SVSP would add land uses that would increase the demand for electrical services. However, Roseville Electric determined there were no constraints to providing a reliable energy source to serve the development proposed in the SVSP area. Electricity in the area is provided by Roseville Electric and natural gas is provided by Pacific Gas & Electric (PG&E). Impacts 4.12-5.1 and 4.12-5-2 in the SVSP EIR evaluated the potential for development of the SVSP to increase demands for electricity and natural gas and found these impacts to be less than significant.

The project proposes development of a 35-unit subdivision. The project would consume energy both during project construction and during project operation. During construction, fossil fuels, electricity, and natural gas would be used by construction vehicles and equipment. However, the energy consumed during construction would be temporary, and would not represent a significant demand on available resources. There are no unusual project characteristics that would necessitate the use of construction equipment or methods that would be less energy-efficient or which would be wasteful.

The completed project would consume energy related to building operation, exterior lighting, landscape irrigation and maintenance, and vehicle trips to and from the use. In accordance with California Energy Code Title 24, the project would be required to meet the Building Energy Efficiency Standards. This includes standards for water and space heating and cooling equipment; insulation for doors, pipes, walls, and ceilings; and

appliances, to name a few. The project would also be eligible for rebates and other financial incentives from both the electric and gas providers for the purchase of energy-efficient appliances and systems, which would further reduce the operational energy demand of the project. The project was distributed to both PG&E and Roseville Electric for comments, and was found to conform to the standards of both providers; energy supplies are available to serve the project.

The proposed project will not result in inefficient, wasteful, or unnecessary consumption of energy, nor would it conflict with or obstruct State or local plans for renewable energy or energy efficiency. Based on the reasons listed in this section, there would be no new significant impacts not previously identified in the SVSP EIR. Therefore, pursuant to CEQA Guidelines section 15164, subdivision (a), the City finds that "none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred" relative to energy impacts.

Mitigation Measures: No mitigation measures are required for this Project.

VII. Geology and Soils

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:	SVSP EIR Section 4.7	No	No	No	None
i) Ruptures of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? (Refer to Division of Mines and Geology Special Publication 42.)	Same	No	No	No	None
ii) Strong seismic ground shaking?	Same	No	No	No	None
iii) Seismic-related ground failure, including liquefaction?	Same	No	No	No	None
iv) Landslides?	Same	No	No	No	None

b) Result in substantial soil erosion or the loss of topsoil?	Same	No	No	No	None
c) Be located in a geological unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	Same	No	No	No	None
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	Same	No	No	No	None
e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	Same	No	No	No	None

Discussion: The project is not expected to expose people or structures to potential substantial adverse effects involving seismic shaking, ground failure or landslides. The project site is located in Roseville, which is in Placer County. The California Department of Mines and Geology classifies the South Placer area as a low severity earthquake zone. No active faults are known to exist within the County. The project site is considered to have low seismic risk with respect to faulting, ground shaking, seismically related ground failure and liquefaction.

The SVSP EIR indicated that compliance with existing regulations and permit requirements would be sufficient to avoid impacts related to these issues. This conclusion remains appropriate for this Project because there is no new information indicating that geologic conditions are different than previously understood.

Mitigation Measures: None required for this project.

VIII. Greenhouse Gases

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	SVSP EIR Section 4.4	No	No	No	SVSP EIR MM 4.4-1, 4.5-1 and 4.5-2

b) Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	Same	No	No	No	None

Discussion: The SVSP EIR concluded that buildout of the project area would cause significant and unavoidable impacts with respect to greenhouse gases (GHG) emissions and mitigation measures were adopted to reduce the project's GHG emissions and resultant impacts. Greenhouse gas emissions, from both the construction and operational phases, will result in impacts consistent with those analyzed in the SVSP EIR.

As detailed in Attachment 4, CalEEMod (version 2016.3.2) was used to model the project's construction related and operations related GHG emissions (CO_2e). Construction-related GHG emissions occur at one point in time and are therefore not typically expected to significantly contribute to climate change. Climate change is a cumulative effect that occurs over time, as emissions increase on a year-to-year basis due to increases in developed area and other factors; construction emissions are a one-time emission source, which end once the project is built. The CalEEMod results indicate the project would result in annual construction emissions of 294.54 CO_2e in the most active construction year, which is below the PCAPCD de minimis threshold of 1,100 MT CO_2e/yr. Thus, the project-generated GHG emissions would not conflict with, and are consistent with, the State goals listed in AB32 and other policies and regulations adopted by the California Air Resources Board pursuant to AB32. This impact is considered less than significant.

The PCAPCD's CEQA Air Quality Handbook contains a screening table used to determine if a residential project will exceed the long-term operational GHG emissions significance threshold (Table 2-6: Corresponding Size of a Project for De Minimis Level of 1,100 MT CO2e/yr). According to the screening table, projects that consist of 71 single-family homes or less are considered to have a less-than-significant impact related to long-term operational GHG emissions. The project proposes 35 single-family units, which is well below the published threshold of significance. Thus, project-generated GHG emissions would not conflict with, and are consistent with, the State goals listed in AB32 and policies and regulation adopted by the California Air Resources Board pursuant to AB32. This impact is considered less than significant.

The project will comply with the required mitigation in the SVSP EIR. Thus, pursuant to CEQA Guidelines Section 15164, subdivision (a), the City finds that "none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred" relative to GHG emissions.

Mitigation Measures: Mitigation Measures 4.4-1 (construction emissions), 4.5-1 (operational emissions), 4.5-2 (greenhouse gas emissions) from the SVSP EIR remain applicable to the proposed project, and have been incorporated into the design of the project as appropriate.

IX. Hazards and Hazardous Materials

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	SVSP EIR Section 4.10	No	No	No	None
b) Create a significant hazard to the public or the environment though reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	Same	No	No	No	SVSP EIR MM 4.10-1
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within on-quarter mile of an existing or proposed school?	Same	No	No	No	None
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	Same	No	No	No	None
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	Same	No	No	No	None
f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing in the project area?	Same	No	No	No	None

g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	Same	No	No	No	None
h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	Same	No	No	No	None

Discussion: The SVSP EIR includes a brief overview for each impact topic, concluding that compliance with existing federal, state, and local regulations regarding the use, transport and disposal of hazardous materials would ensure most impacts will be less than significant. The exception was for unknown soil contamination, as land which was used for agricultural purposes may include undiscovered, underground storage tanks or other contamination issues; mitigation for this was included. The project is not located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5. The SVSP EIR analysis also found that there would be sufficient emergency services and facilities and that the area was not located within an airport land use plan or other aviation hazard area. These conclusions still fit for the proposed project, which is within the same development footprint.

Standard construction activities would require the use of hazardous materials such as fuels, oils, lubricants, glues, paints and paint thinners, soaps, bleach, and solvents. These are common household and commercial materials routinely used by both businesses and average members of the public. The materials only pose a hazard if they are improperly used, stored, or transported either through upset conditions (e.g. a vehicle accident) or mishandling. In addition to construction use, the operational project would result in the use of common hazardous materials as well, including bleach, solvents, and herbicides. Regulations pertaining to the transport of materials are codified in 49 Code of Federal Regulations 171–180, and transport regulations are enforced and monitored by the California Department of Transportation and by the California Highway Patrol. Specifications for storage on a construction site are contained in various regulations and codes, including the California Code of Regulations, the Uniform Fire Code, and the California Health and Safety Code. These same codes require that all hazardous materials be used and stored in the manner specified on the material packaging. Existing regulations and programs are sufficient to ensure that potential impacts as a result of the use or storage of hazardous materials are reduced to less than significant levels.

The California Department of Forestry and Fire Protection (CAL FIRE) is the state agency responsible for wildland fire protection and management. As part of that task, CAL FIRE maintains maps designating Wildland Fire Hazard Severity zones. The City is not located within a Very High Fire Hazard Severity Zone, and is not in a CAL FIRE responsibility area; fire suppression is entirely within local responsibility. The project site is in an urban area, and therefore would not expose people to any risk from wildland fire.

The proposed uses are substantially consistent with the build out assumptions and would not increase the severity of already identified significant impacts; therefore, there would be no new significant impacts not previously identified in the SVSP EIR regarding hazardous materials. Thus, pursuant to CEQA Guidelines section 15164, subdivision (a), the City finds that “none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred” relative to hazards and hazardous materials.

Mitigation Measures: The SVSP EIR included a mitigation measure to address the low possibility that some contamination of soils still lingered due to past use of the land for agricultural purposes. The measure, Mitigation Measure 4.10-1, indicates that if evidence of contamination is observed (stained soils, unearthing of a tank, etc.) then proper testing and remediation is required, in coordination with the appropriate City Departments. This measure remains applicable to the project.

X. Hydrology and Water Quality

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Violate any water quality standards or waste discharge requirements?	SVSP EIR Section 4.13	No	No	No	None
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	Same	No	No	No	None
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on or off-site?	Same	No	No	No	None
d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on or off-site?	Same	No	No	No	None
e) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted water?	Same	No	No	No	None

f) Otherwise substantially degrade water quality?	Same	No	No	No	SVSP EIR MM 4.13-1
g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	Same	No	No	No	None
h) Place within a 100-year flood hazard area structures, which would impede or redirect flood flows?	Same	No	No	No	None
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	Same	No	No	No	None
j) Inundation by seiche, tsunami, or mudflow?	Same	No	No	No	None

Discussion: A Drainage and Storm water Master Plan was prepared and approved by the City as part of the SVSP EIR. As noted in the EIR, the Drainage and Storm water Master Plan demonstrated that the increases in impervious surfaces being caused by buildout of the SVSP would be offset by proposed drainage facilities and storm water improvements. The project would offset increases in peak flow, no development would occur within the 100-year floodplain area, and consistency with existing City regulations would ensure that all homes would be elevated at least two feet above the 100-year water surface elevation. With regard to storm water quality, the EIR notes that there are existing programs, regulations, and permits in place to ensure that the project would not have significant effects related to water pollution from construction or operation, though a mitigation measure is included to require compliance with this regulations.

The project is in an area of flat topography and is not near any large water bodies or dams/levees, so would not be subject to losses due to dam/levee failure, seiche, tsunami, or mudflow. The project falls within the development footprint of the SVSP, and does not result in any changes to the scope or scale of impacts, and the prior conclusions remain appropriate.

Mitigation Measures: Mitigation Measure 4.13-1 was included to require compliance with the City's stormwater quality standards, including preparation of a Storm Water Pollution Prevention Plan (SWPPP). This measure remains applicable to the proposed project.

XI. Land Use and Planning

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Physically divide an established community?	SVSP EIR Section 4.1	No	No	No	None
b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	Same	No	No	No	SVSP EIR MM 4.1-3, 4.6-1 and 4.6-2
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	Same	No	No	No	None

Discussion: The SVSP EIR concluded that there were some potential land use incompatibilities, but that these could be addressed by a mix of mitigation and compliance with the City Noise Ordinance and Grading Ordinance. Land use issues discussed and addressed included noise from McClellan overflights, agricultural uses in Placer County next to urban uses in the SVSP, construction noise, and commercial land use noise. The overflight noise is a potential nuisance discussion requiring disclosure to future purchasers within the Project area; noise volumes do not exceed standards. It was concluded that the project would not physically divide an established community and that the project did not conflict with any land use policies or regulations, or with a Habitat Conservation Plan (or similar). The EIR concluded that all impacts of the SVSP could be reduced to less than significant levels with mitigation.

The project area has been planned for development, including adequate roads, pedestrian paths, and bicycle paths to provide connections within the community. The project involves frontage improvements including new driveways, sidewalks, and pedestrian connections. As such, the project will not physically divide an established community.

The project includes a request to amend the General Plan and Specific Plan land use designation and rezone the 5.65-acre site to facilitate medium density residential development. The site is currently designated as Community Commercial/Commercial Mixed Use (CC/CMU) with a density of 7.1 units per acre, which amounts to 40 units. The project includes the transfer of five (5) units from Parcel JM-40 to Parcel JM-30, resulting in a total of 35 units for Parcel JM-40. Although the number of units allocated to the site will be reduced, the SVSP specifies that landscape corridors are excluded from the gross developable acreage when adjacent to MDR uses; therefore, the proposed density is 7.8 units per acre. The proposed density is consistent with the medium density residential development immediately adjacent to and within the vicinity of the project. The project plans include a tentative subdivision map (Attachment 2), a design review package with home elevations (Attachment 3), and a preliminary grading plan (Attachment 5), which have been reviewed by City staff and have been demonstrated to be consistent with the City's standards and policies. The City's Design Review standards, as well as City-required Conditions of Approval would ensure that the proposed project would be developed in conformance with all applicable land use plans and ordinances, and would not conflict with any agency's plans, policies, or regulations adopted for the purpose of avoiding or mitigating an environmental effect.

As described above, changes introduced by the Project and/or new circumstances relevant to the project would not, as compared to the SVSP EIR, result in a new significant impact or significant impacts that are substantially more severe than significant impacts previously disclosed. In addition, there is no new information of substantial importance showing that the project would have one or more significant effects not previously discussed or that any previously examined significant effects would be substantially more severe than significant effects shown in the EIR. Nor is there new information of substantial importance showing (i) that mitigation measures or alternatives previously found not to be feasible would in fact be feasible, and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative or (ii) that mitigation measures or alternatives considerably different from those analyzed in the EIR would substantially reduce one or more significant effects, but the proponents decline to adopt the mitigation measure or alternative.

Mitigation Measures: Mitigation Measure 4.1-3 (McClellan overflight disclosure), 4.6-1 (construction noise) and 4.6-2 (commercial noise controls). The measure regarding disclosure ensure that people purchasing property within the project area which could be affected by overflight noise are aware of this potential affects. The disclosure measure is implemented by including a Condition of Approval requiring that the deed disclosures are a component of the Covenants, Conditions, and Restrictions for all affected properties. The condition has been addressed in the

Development Agreement for the project area, so the measures are already complete. The construction noise and commercial noise control measures are applied during construction, so remain applicable to the proposed project.

XII. Mineral Resources

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	SVSP EIR Section 4.7	No	No	No	None
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	Same	No	No	No	None

Discussion: The SVSP EIR indicated that there were no significant mineral resources in the area. Therefore, the project is not considered to have any impacts on mineral resources. Thus, pursuant to CEQA Guidelines section 15164, subdivision (a), the City finds *that "none of the conditions described in Section 15162 calling for preparation of a subsequent FEIR have occurred"* relative to mineral resources.

Mitigation Measures: None required for this project.

XIII. Noise

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	SVSP EIR Section 4.6	No	No	No	SVSP EIR MM 4.1-3, 4.6-1 and 4.6-4
b) Exposure of persons to or generation of excessive ground borne vibration of ground borne noise levels?	Same	No	No	No	SVSP EIR MM 4.6-1 and 4.6-4
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	Same	No	No	No	None
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	Same	No	No	No	SVSP EIR MM 4.6-1 and 4.6-4
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	Same	No	No	No	None
f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	Same	No	No	No	None

Discussion: The SVSP EIR addressed construction noise, roadway noise, noise from non-residential land uses, and aircraft overflight noise. Overflight noise has already been addressed in the Land Use section of this Addendum. Construction noise in general was discussed, and addressed via mitigation. Noise was determined to be an issue for all of the major roadways in the SVSP area. Mitigation was found to reduce noise volumes to levels within General Plan standards, and so impacts were found to be less than significant.

An environmental noise assessment was prepared by Bollard Acoustical Consultants, Inc. to evaluate noise levels associated with traffic on Market Drive and Vista Grande Boulevard (Attachment 6). It was concluded that implementation of the mitigation measures would reduce noise volumes to levels within General Plan standards. Consistent with the mitigation measures, the project proposes six-foot masonry sound walls adjacent to the lots located along major roadways, which will ensure that noise on the residential properties is consistent with City standards. The project would not result in new or more severe impacts than described in the SVSP EIR, and the impact conclusions of the EIR are unchanged. Thus, pursuant to CEQA Guidelines section 15164, subdivision (a), the City finds that "none of the conditions described in Section 15162 calling for preparation of a subsequent FEIR have occurred" relative to noise.

Mitigation Measures: Mitigation Measures 4.1-3 (McClellan overflight disclosure), 4.6-1 (construction noise), and 4.6-4 (traffic noise attenuation) were applied in the SVSP EIR. Construction noise controls in the mitigation includes located fixed equipment away from noise sensitive uses and having a construction disturbance coordinator to address noise concerns. Traffic noise attenuation also calls for the use of masonry walls along major roadways. These mitigation measures remain applicable to the proposed project.

XIV. Population and Housing

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	SVSP EIR Section 4.2	No	No	No	None
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	Same	No	No	No	None

c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	Same	No	No	No	None

Discussion: The SVSP EIR indicated the SVSP would increase the number of housing units above those which had been anticipated in the General Plan, and analyzed the effect on supporting services, infrastructure, and other issues related to environmental impacts. It was concluded that impacts would be significant and unavoidable. The proposed project involves the same number of housing units as analyzed in the SVSP EIR.

The CEQA Guidelines identify several ways in which a project could have growth-inducing impacts (Public Resources Code Section 15126.2), either directly or indirectly. Growth-inducement may be the result of fostering economic growth, fostering population growth, providing new housing, or removing barriers to growth. Growth inducement may be detrimental, beneficial, or of no impact or significance under CEQA. An impact is only deemed to occur when it directly or indirectly affects the ability of agencies to provide needed public services, or if it can be shown that the growth will significantly affect the environment in some other way. The project site (Parcel JM-40) is currently a Community Commercial/Commercial Mixed Use (CC/CMU) parcel that has 40 dwelling units allocated as well as commercial square footage allocated. The proposed project will be converting the parcel into a Medium Density Residential (MDR) parcel with 35 dwelling units. The remaining five (5) units will be transferred to High Density Residential parcel JM-30, which will result in a total of 164 dwelling units. The transfer of units will not exceed the total number of units anticipated for buildout of the SVSP area and contemplated in the City's General Plan. Therefore, the project will not result in additional infrastructure that will lead to additional growth and the project will not negatively affect the City's ability to provide public services.

For purpose of population estimates, the SVSP EIR assumes the CMU and HDR population rate is the same at 1.8 residents per housing unit while the MDR population rate is 2.54 residents per housing unit. Based on these population rates, the project would increase the SVSP population by 26 people. This is not considered significant given the size of the overall plan area. No existing buildings or residents are present on the project site; therefore, no residences or communities would be displaced.

Mitigation Measures: None required for this project.

XV. Public Services

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any the public services:					
a) Fire protection?	SVSP EIR Section 4.11	No	No	No	None
b) Police protection?	Same	No	No	No	None
c) Schools?	Same	No	No	No	SVSP EIR MM 4.11-3
d) Parks?	Same	No	No	No	None
e) Other public facilities?	Same	No	No	No	None

Discussion: The SVSP EIR concluded that fire and police protection services, and other public services would not be negatively affected by the project. Existing City codes and regulations require adequate water pressure in the water lines, and construction must comply with the Uniform Fire and Building Codes used by the City of Roseville. Additionally, the applicant is required to pay a fire service construction tax, which is used for purchasing capital facilities for the Fire Department. Sales taxes and property taxes resulting from development will add revenue to the General Fund, which provides funding for police services. Existing codes, regulations, funding agreements, and facilities plans are sufficient to ensure less than significant impacts.

An analysis of impacts to schools was included in the SVSP EIR, which concluded that two new elementary schools and one new intermediate school would be required in the project area. The high school students generated from the SVSP were assumed in the nearby high schools located outside the plan area. A portion of the SVSP is located within the Center School District and a portion is located within the Roseville City School District, though the current project area is entirely within the Center School District. The project will not change the overall number of

housing units in the SVSP. However, the student generate rate for the existing and proposed land uses differ. Based on the student generation rates identified in Table 4.11.3-4 of the SVSP EIR, the project would increase the student population in the Center Unified School District by three (3) elementary school students, four (4) middle school students and eight (8) high school students. The project was routed to the School District for review, and no issues were identified. The project will be required to pay per-unit school fees to mitigate any impacts. Under state law, such payments are deemed to constitute "*full and complete mitigation*" of impacts to school facilities (Gov. Code, § 65995, subd. (h)). In addition, the developer is required to work with the School District to identify a Safe Routes to School program. Impacts to public services were determined to be less than significant, with mitigation.

The developer will be required to pay fees into a Community Facilities District, which provides funding for park services. Future park and recreation sites and facilities have already been identified as part of the Specific Plan process. The City charges fees for end-users for other services, such as garbage and greenwaste collection, in order to fund those services. Existing codes, regulations, funding agreements, and facilities plans are sufficient to ensure less than significant impacts.

Mitigation Measures: Mitigation Measure 4.11-3 requires a Safe Routes to School program, which would be implemented at the time of school construction, and remains applicable to the proposed project.

XVI. Recreation

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that physical deterioration of the facility would occur or be accelerated?	SVSP EIR Section 4.11	No	No	No	None
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	Same	No	No	No	None

Discussion: The SVSP EIR addressed the level of park services—including new construction, maintenance, and operations—which would need to be provided in order to serve planned growth in the community. The project has the potential to increase the use of existing neighborhood and recreational facilities, but the increase is not anticipated to be substantial or result in accelerated physical deterioration of existing recreational facilities. Existing codes, regulations, funding agreements, and facilities plans are sufficient to ensure less than significant impacts.

The SVSP indicates that the required parkland dedication was met by dedication of parkland and through payment of park dedication in-lieu fees. As noted in the EIR, the payment of Citywide and neighborhood park fees will be required, and the payment of fees combined with the dedication of parkland will ensure that impacts to park services are less than significant. The project does not include recreational facilities nor will it require additional recreational facilities; therefore, this conclusion remains applicable to the proposed project.

Mitigation Measures: None required for this project.

XVII. Transportation/Traffic

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?	SVSP EIR Section 4.3	No	No	No	SVSP EIR MM 4.3-1 to 4.3-5

b) Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?	Same	No	No	No	SVSP EIR MM 4.3-1 to 4.3-5
c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	Same	No	No	No	None
d) Substantially increase hazards due to a design feature(s) (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	Same	No	No	No	None
e) Result in inadequate emergency access?	Same	No	No	No	None
f) Conflict with adopted policies, plans, or programs supporting public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?	Same	No	No	No	None

Discussion: The SVSP EIR evaluated the traffic impacts to existing and future roadways from traffic being generated by the anticipated uses within the plan area. The EIR concluded that with mitigation, impacts to City roadways would be less than significant. Impacts to adjacent agency roadways was identified as a significant and unavoidable impact, and mitigation to lessen the impact was accepted. For the proposed project, the City's Engineering Division reviewed the scope of changes and concluded that an updated traffic study was not required. A trip generation estimate was prepared by the City's Engineering Division in order to compare the project's anticipated p.m. peak hour trips to the City's modeled trips. Table 2, below, represents the anticipated trip generation for buildout of Traffic Analysis Zone (TAZ) 1359 with and without implementation of the project.

Table 2: Project Trip Generation Estimate
Traffic Analysis Zone 1359

Use	Units / Square Feet (sf)	Model Trip Rate	PM Peak Trips
2035 Build Out			
Single-Family Dwelling Unit (SFDU)	455	0.69	314
Multi-Family Dwelling Unit (MFDU)	40	0.52	21

Retail	27,000 sf	2.46	66
Office	14,000 sf	1.44	20
Existing			
SFDU	406	0.69	280
Proposed			
SFDU	35	0.69	24
2035 Build Out			*421*
Existing Plus Project			*304*
Remaining Capacity			**117**

It was concluded that the project would result in 24 p.m. peak hour trips, which is 84 fewer trips than anticipated for buildout of the site in the 2035 General Plan. With the addition of the project's p.m. peak hour trips to the existing condition, the resulting trip generation of 304 peak trips is 117 trips less than what was anticipated for the overall TAZ. Therefore, a long-term traffic study was not required given the project does generate more than 50 p.m. peak hour trips or exceed the number of trips anticipated in the General Plan. As such, the project would not cause new or more severe impacts than already described in the SVSP EIR.

The proposed project has no impact on air traffic patterns, and does not present substantial safety risks. The project design does not introduce hazards such as sharp curves or dangerous intersections. The project has been reviewed by the City Engineering Division and City Fire Department staff, and has been found to be consistent with the City's Design Standards. Furthermore, standard conditions of approval added to all City project require compliance with Fire Codes and other design standards. Compliance with existing regulations ensure that impacts are less than significant.

The proposed uses are substantially consistent with the build out assumptions and would not increase the severity of already identified significant impacts; therefore, there would be no new significant impacts not previously identified in the SVSP EIR relative to transportation/traffic. Thus, pursuant to CEQA Guidelines section 15164, subdivision (a), the City finds that "none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred" relative to transportation/traffic.

Mitigation Measures: Mitigation was included for each impacted facility (see SVSP EIR MM 4.3-1 to 4.3-5), but these measures have already been incorporated into the City's Capital Improvement Program and fee programs. The measures are no longer necessary to impose on individual projects, as a mechanism for their funding and construction is already implemented.

XVIII. Tribal Cultural Resources

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
Would the project cause a substantial adverse change in the significance of a Tribal Cultural Resource as defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:					
a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?	SVSP EIR Section 4.9	No	No	No	None
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1? In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1 the lead agency shall consider the significance of the resource to a California Native American tribe.	Same	No	No	No	None

Discussion: In addition to archeological resources, tribal cultural resources are also given particular treatment. Tribal cultural resources are defined in Public Resources Code Section 21074, as either 1) a site, feature, place, geographically-defined cultural landscape, sacred place, or object with cultural value to a California Native American Tribe, that is listed or eligible for listing on the California Register or Historical Resources, or on a local register of historical resources or as 2) a resource determined by the lead agency, supported by substantial evidence, to be significant according to the historical register criteria in Public Resources Code section 5024.1(c), and considering the significance of the resource to a California Native American Tribe.

This section was added to the CEQA Guidelines after the publication of the prior environmental document to which this Addendum is attached, but cultural resources were addressed in that document. While the original SVSP EIR addressed cultural resources, no Tribal Cultural Resources were identified and the City of Roseville as CEQA Lead Agency is not aware of any Tribal Cultural Resources associated with project site. Previously applied mitigation should be adequate to address potential impacts of the project, which require cessation of work should any item of cultural interest be found, to ensure the project will have a less than significant impact on cultural resources.

Notice of the proposed project was mailed to tribes which had requested such notice pursuant to Assembly Bill 52 (AB 52) and Senate Bill (SB 18) on July 1, 2020. A request for consultation was received from the United Auburn Indian Community (UAIC) on July 15, 2020. The UAIC requested that a standard mitigation measure (TCR-1) be made a requirement of the project to reduce impacts to resources, should any be found on-site. The measure requires an immediate cessation of work, and contact with the appropriate agencies to address the resource before work can resume. This measure is already required by the prior EIR, but the standard language has been updated since the original EIR was published, and therefore the most current version of this measure is included below as mitigation measure TCR-1.

Mitigation Measures: Mitigation Measure 4.9-1 (cease work and consult with archeologist) and 4.9-2 (cease work and consult with paleontologist) remain applicable to the proposed project.

TCR-1: **Inadvertent Discoveries** – If any TCRs are discovered during ground disturbing construction activities, all work shall cease within 100 feet of the find. The appropriate tribal representatives from culturally affiliated tribes shall be immediately notified. Work at the discovery location cannot resume until it is determined, in consultation with culturally affiliated tribes, that the find is not a TCR, or that the find is a TCR and all necessary investigation and evaluation of the discovery under the requirements of the CEQA, including AB 52, has been satisfied. Preservation in place is the preferred alternative under CEQA and UAIC protocols, and every effort must be made to preserve the resources in place, including through project redesign. The contractor shall implement any measures deemed by the CEQA lead agency to be necessary and feasible to preserve in place, avoid, or minimize impacts to the resource, including, but not limited to, facilitating the appropriate tribal treatment of the find, as necessary.

XIX. Utilities and Service Systems

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	SVSP EIR Section 4.12	No	No	No	None
b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	SVS EIR Section 4.12.1 & 4.12.3	No	No	No	None
c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	SVSP EIR Section 4.12.3	No	No	No	None
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	SVSP EIR Section 4.12.1	No	No	No	None
e) Result in a determination by the wastewater treatment provider which serves the project that it has adequate capacity to serve the project's projected demand in addition of the provider's existing commitments?	SVSP EIR Section 4.12.3	No	No	No	None
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	SVSP EIR Section 4.12.4	No	No	No	SVSP EIR MM 4.12.4-1 to 4.12.4-2
g) Comply with federal, state, and local statutes and regulations related to solid waste?	Same	No	No	No	None

Discussion: The SVSP EIR addressed water demand for the plan area and determined there was adequate supply to meet the anticipated water demands from development of the plan area. The City's Environmental Utilities staff reviewed the proposed land use change and determined that the City has sufficient water supply to adequately serve the project. Therefore, the impact conclusions of the SVSP EIR with respect to water supply are still applicable to this project.

Development of the project area will require the construction of water lines and sewer lines and facilities, but these were previously identified through the infrastructure master plans developed for the SVSP. The proposed project does not require any major changes or need for expanded facilities. Additionally, the project will have no effect on wastewater generation beyond that previously analyzed in the SVSP EIR. Environmental Utilities determined that the proposed project changes fell within the scope of the prior assessment. The SVSP EIR concluded that the Pleasant Grove Wastewater Treatment Plan was sized to accommodate flow from the plan area and that impacts would be less than significant. This conclusion remains applicable to the proposed project.

The SVSP EIR indicated that the Western Placer Waste Management Authority facilities would be used to dispose of solid waste, and that there was sufficient capacity to accept solid waste from the SVSP. All residences and business in the City pay fees for solid waste collection, a portion of which is collected to fund eventual solid waste disposal expansion. The project will not result in any new impacts associated with major infrastructure. Environmental Utilities staff has reviewed the project for consistency with policies, codes, and regulations related to waste disposal and waste reduction regulations and policies and has found that the project design is in compliance. The project falls within the scope of the prior analysis, and does not result in any new or expanded impacts to this previously-identified significant and unavoidable impact.

Mitigation Measures: Mitigation Measures 4.12.4-1 (expand the landfill) and 4.12.4-2 (diversion of construction debris) were included to require payment of fees to be used for landfill expansion and to require a 50% reduction in the construction waste stream. The landfill expansion measure has already been implemented, as fees are already in place that will apply to the proposed project. The remaining measure regarding diversion of construction debris remains applicable, as it is a project-level measure that applies during construction.

XX. Mandatory Findings of Significance

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of an endangered, threatened or rare species, or eliminate important examples of the major periods of California history or prehistory?	SVSP EIR	No	No	No	None
b) Does the project have impacts which are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	SVSP EIR	No	No	No	None
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	SVSP EIR	No	No	No	None

Discussion: Long term environmental goals are not impacted by the proposed project. The cumulative impacts do not deviate beyond what was contemplated in the SVSP EIR, and mitigation measures have already been incorporated. With implementation of the City's Mitigating Ordinances, Guidelines, and Standards and best management practices, mitigation measures described in this chapter, and permit conditions, the proposed project will not have a significant impact on the habitat of any plant or animal species. Based on the foregoing, the proposed project does not have the potential to degrade the quality of the environment, substantially reduce the habitat of any wildlife species, or create adverse effects on human beings. Thus, pursuant to CEQA Guidelines section 15164, subdivision (a), the City finds that "none of the conditions described in Section 15162 calling for preparation of a subsequent FEIR have occurred" relative to the mandatory findings of significance.

ENVIRONMENTAL DETERMINATION:

In reviewing the site specific information provided for this project and acting as Lead Agency, the City of Roseville, Development Services Department, Planning Division has analyzed the potential environmental impacts created by this project and determined that the findings of CEQA Section 15162 concerning the decision not to prepare a subsequent EIR or negative declaration and the findings of CEQA Section 15164 concerning the decision to prepare an Addendum can be made. As supported by substantial evidence within the Addendum to the Sierra Vista Specific Plan Environmental Impact Report (SCH # 2008032115, adopted on May 5, 2010), the Lead Agency makes the following findings:

[**X**] No substantial changes are proposed in the project which would require major revisions of the previous EIR.

[**X**] No substantial changes have occurred with respect to the circumstances under which the project is undertaken.

[**X**] There is no new information of substantial importance which was not known and could not have been known with the exercise of due diligence at the time the previous EIR was certified as complete.

[**X**] Only minor technical changes or additions are necessary in order to deem the adopted environmental document adequate.

Addendum Prepared by:

Kinarik Shallow

Kinarik Shallow, Associate Planner
City of Roseville, Development Services–Planning Division

Attachments:

1. Applicable SVSP Mitigation Measures
2. Tentative Subdivision Map
3. Design Review Package
4. CalEEMod Outputs (Annual, Winter, Summer)
5. Preliminary Grading Plan
6. Environmental Noise Assessment

NOTE: Attachments 2-3 and 5 are not included as part of this Addendum as they are already included as exhibits to the Planning Commission Staff Report.

TABLE OF APPLICABLE MITIGATION MEASURES

Mitigation Measure	Implementation	Timing	Reviewing Party	Documents to be Submitted to City	Staff Use Only
MM 4.4-1 Dust and Construction Control Measures In accordance with the PCAPCD, the applicant shall comply with all applicable rules and regulations as listed above (e.g., Rule 202, 218 and 228). In addition, at the time of tentative map the applicant(s) shall implement a minimum of five (5) of the following measures unless superseded by state or other more stringent standards: The following mitigation measures shall be implemented to reduce short-term construction-related air quality impacts. In addition, dust control measures are required to be implemented by all projects in accordance with the City of Roseville Grading Ordinance, and the PCAPCD Fugitive Dust Rule 228. • Applicant shall submit to PCAPCD a Construction Emission / Dust Control Plan within 30 days prior to groundbreaking. If the PCAPCD does not respond within 20 days, the plan shall be considered approved. The plan must address the minimum requirements found in section 300 and 400 of District Rule 228, Fugitive Dust (www.placer.ca.gov/airpollution/airpolut.htm). The applicant shall keep a hard or electronic copy of Rule 228, Fugitive Dust on-site for reference. • The Construction Emission/Dust Control Plan shall include a comprehensive inventory (i.e. make, model, year, emission rating) of all heavy-duty off-road equipment (50 horsepower (HP) of greater) that will be used an aggregate of 40 or more hours for the construction project. If any new equipment is added after submission of the inventory, the prime contractor shall the prime contractor shall contact the APCD prior to the new equipment being utilized. The project representative shall provide PCAPCD with the anticipated construction timeline including start date, and name and phone number of the project manager and on-site foreman. The plan shall demonstrate that the heavy-duty (> 50 HP) off-road vehicles to be used in the construction project, including owned, leased and subcontractor vehicles, will achieve a project wide fleet-average 20% NO_X reduction and 45% particulate reduction compared to the most recent ARB fleet average. PCAPCD shall be contacted for average fleet emission data. Acceptable options for reducing emissions may include use of late model engines, low-emission diesel products, alternative fuels, engine retrofit technology, after-treatment products, and/or other options as they become available. Contractors can access the Sacramento Metropolitan Air Quality Management District's web site to determine if their off-road fleet meets the requirements listed in this measure (http://www.airquality.org/ceqa/Construction_Mitigation_Calculator.xls). The following measures are also included to reduce construction-related ROG, NOx, PM10 and PM2.5 emissions: • All construction equipment shall be maintained in good operating condition. Contractor shall ensure that all construction equipment is being properly serviced and maintained as per the manufacturer's specifications. Maintenance records shall be available at the construction site for verification. This measure will reduce combustion emissions of all criteria air pollutants. • Prior to the issuance of any grading permits, all applicants shall submit construction plans denoting the proposed schedule and projected equipment use. Construction contractors shall provide evidence that low emission mobile construction will be used, or that their use was investigated and found to be infeasible for the project. Low emission equipment is defined as meeting the California Air Resources Board's Tier III standards. Contractors shall also conform to any construction measures imposed by the PCAPCD as well as City Planning Staff. This measure will primarily reduce ROG, NOx, PM10, and PM2.5 exhaust emissions. • Paints and coating shall be applied either by hand or by high volume, low-pressure spray. This measure will reduce evaporative ROG emissions. • All construction shall comply with the following measures to reduce fugitive dust related emissions of PM10 and PM2.5: o Maintain a minimum 24-inch freeboard on soil haul trucks or cover payloads using tarps or other suitable means. o Suspend grading operations during high winds (greater than 15 mph). o Sweep streets as necessary if silt is carried off-site to adjacent public thoroughfares or occurs as a result of hauling.	The applicants shall submit construction management plans as part of the Grading Permit application. Engineering will review plans for inclusion of these measures prior to issuance of permits or approval of plans.	*Pre-Construction*: Prior to issuance of Grading Permits or Improvement Plans. Add as note on Improvement Plans.	Engineering	Dust Control Plan and proof of submittal to PCAPCD	

o Dispose of surplus excavated material in accordance with local ordinances and use sound engineering practices. o Schedule activities to minimize the amounts of exposed excavated soil during and after the end of work periods. o Phase grading into smaller areas to prevent the susceptibility of larger areas to erosion over extended periods of time. o Pave or apply gravel to any on-site haul roads. o Reestablish ground cover on the construction site through seeding and water. o Clean earth moving construction equipment with water or sweep clean, once per day, or as necessary (e.g., when moving onsite), consistent with National Pollutant Discharge Elimination System Best Management Practices and the Roseville Grading Ordinance. Water shall be applied to control dust as needed to prevent dust impacts offsite. Operational water truck(s), shall be on-site, as required, to control fugitive dust. Construction vehicles leaving the site shall be cleaned, as needed, to prevent dust, silt, mud, and dirt from being released or tracked off-site. o Spread soil binders on unpaved roads and employee/equipment parking areas. Soil binders shall be non-toxic in accordance with state and local regulations. Apply approved chemical soil stabilizers, or vegetated mats, etc. according to manufacturers' specifications, to all-inactive construction areas (previously graded areas which remain inactive for 96 hours). o Minimize diesel idling time to a maximum of five minutes. o Utilize existing power sources (e.g., power poles) or clean fuel generators rather than temporary diesel power generators, if feasible. o An applicant representative, ARB-certified to perform Visible Emissions Evaluations (VEE), shall routinely (i.e., once per week) evaluate project related off-road and heavy-duty on-road equipment emissions for compliance with this requirement for projects grading more than 20 acres in size, regardless of how many acres are to be disturbed daily. o Construction equipment exhaust emissions shall not exceed the PCAPCD Visible Emissions Rule 202. Fugitive dust is not to exceed 40% opacity and not go beyond property boundary at any time. Operators of vehicles and equipment found to exceed opacity limits are to be immediately notified and the equipment must be repaired within 72 hours. The following measures will be required: 1. Include the following standard note on the Improvement/Grading Plan: *If required by the Public Works Department, the contractor shall hold a pre-construction meeting prior to grading activities. The contractor shall invite the Placer County APCD to the pre-construction meeting in order to discuss the construction emission/dust control plan with employees and/or contractors.* 2. Prior to building permit approval, the applicant shall show, on the plans submitted to the Building Department, that electrical outlets shall be installed on the exterior walls of both the front and back of all residences or all commercial buildings to promote the use of electric landscape maintenance equipment. 3. Prior to building permit approval, the applicant shall show, on the plans submitted to the Building Department, provisions for construction of new residences, and where natural gas is available, the installation of a gas outlet for use with outdoor cooking appliances, such as a gas barbecue or outdoor recreational fire pits. 4. Prior to building permit approval, in accordance with District Rule 225, only U.S. EPA Phase II certified wood burning devices shall be allowed in single-family residences. The emission potential from each residence shall not exceed a cumulative total of 7.5 grams per hour for all devices. Masonry fireplaces shall have either an EPA certified Phase II wood burning device or shall be a U.L. Listed Decorative Gas Appliance. (Rule 225) 5. Wood burning or Pellet appliances shall not be permitted in multi-family developments. Only natural gas or propane fired fireplace appliances are permitted. These appliances shall be clearly delineated on the Floor Plans submitted in conjunction with the Building Permit application. (Rule 225 / section 302.2) 6. Prior to the issuance of a Building Permit, the applicant shall show that all flat roofs with parapets shall include a white or silver cap sheet to reduce energy demands. 7. Diesel trucks shall be prohibited from idling more than five minutes. Prior to the issuance of a Building Permit, the applicant shall show that all truck loading and unloading docks shall be					

equipped with one 110/208 volt power outlet for every two dock doors. Diesel Trucks idling for more than five minutes shall be required to connect to the 110/208 volt power to run any auxiliary equipment. 2'x3' signage which indicates "Diesel engine Idling Limited to a Maximum of 5 Minutes" shall be shown on the building elevations and shall be submitted to the Placer County APCD prior to the issuance of Building Permits for the project. 8. Prior to approval of Improvement Plans, an enforcement plan shall be established, and submitted to the APCD for review, in order to evaluate project-related on-and-off- road heavy-duty vehicle engine emission opacities on a weekly basis, using standards as defined in California Code of Regulations, Title 13, Sections 2180 – 2194. An Environmental Coordinator, hired by the prime contractor or property owner, and who is CARB-certified to perform Visible Emissions Evaluations (VEE), shall routinely evaluate project related off-road and heavy duty on-road equipment emissions for compliance with this requirement. Operators of vehicles and equipment found to exceed opacity limits will be notified by APCD and the equipment must be repaired within 72 hours. (California Code of Regulations, Title 13, Sections 2180 – 2194) *The project shall comply with all applicable Placer County Air Pollution Control District rules and regulations, and shall obtain applicable permits and/or clearances from the District prior to the start of construction.* • The contractor shall use CARB ultra-low sulfur diesel fuel for all diesel–powered equipment. In addition, low sulfur fuel shall be utilized for all stationary equipment. (California Standards for Motor Vehicle Diesel Fuel, title 13, article 4.8, chapter 9, California Code of Regulations). • Processes that discharge 2 pounds per day or more of air contaminants, as defined by Health and Safety Code Section 39013, to the atmosphere may require a permit. Permits are required for both construction and operation. Developers/contractors should contact the District prior to construction and obtain any necessary permits prior to the issuance of a Building Permit. (Rule 501) • Pursuant to the Placer County Air Pollution Control District Rule 501, General Permit Requirements, the proposed project may need a permit from the District prior to construction. In general, any engine greater than 50 brake horsepower or any boiler with heat greater than 1,000,000 Btu per hour shall require a permit issued by the District. (Rule 501) • All on-site stationary equipment which is classified as 50 hp or greater shall either obtain a state issued portable equipment permit or a Placer County APCD issued portable equipment permit. (California Portable Equipment Registration Program, Section 2452). • The contractor shall utilize existing power sources (e.g., power poles) or clean fuel generators rather than temporary diesel power generators if feasible. • During construction, the contractor shall minimize idling time to a maximum of 5 minutes for all diesel powered equipment. • During construction, traffic speeds on all unpaved surfaces shall be limited to 15 miles per hour or less. **(**Rule 228 / section 401.2)					
MM 4.6-2 & 4.4-1 Commercial Noise Controls For all commercial uses within 150 feet of residential uses, the developer shall implement the following or equally effective measures: • In general, where commercial land uses adjoin residential property lines, the following measures should be included in the design of the commercial use. If the primary noise sources are parking lot noise, HVAC equipment and light truck deliveries, then 6-7 foot tall masonry walls shall be constructed to provide adequate isolation of parking lot and delivery truck activities. HVAC equipment shall be located either at ground level, or when located on roof-tops the building facades shall include parapets for shielding. • Where commercial uses adjoin common residential property lines, and loading docks or truck circulation routes face the residential areas, the following mitigation measures shall be included in the project design: o Loading docks and truck delivery areas shall maintain a minimum distance of 30 feet from residential property lines; o Property line barriers shall be 6 to 8 feet in height. Circulation routes for trucks should be located a minimum of 30-feet from residential property lines;	Project plans will be reviewed for compliance.	*Pre-Construction:* Prior to issuance of Improvement Plans and/or Building Permits Add as note on Improvement Plans and Building Plans	Engineering will review Improvement Plans for compliance with wall requirements. Building will review Building Plans for compliance with HVAC requirements.	Acoustical Study if loading docks or truck delivery routes are less than 100 feet from residential property lines	

o All heating, cooling and ventilation equipment shall be located within mechanical rooms where possible; o All heating, cooling and ventilation equipment shall be shielded from view with solid barriers; o Emergency generators shall comply with the local noise criteria at the nearest noise-sensitive receivers; In cases where loading docks or truck delivery circulation routes are located less than 100 feet from residential property lines, an acoustical evaluation shall be submitted to verify compliance with the City of Roseville Noise Level Performance Standards.					
MM 4.6- 4: Traffic Noise Attenuation **MM 4.6-4(a):** Masonry walls and/or landscaped berms shall be constructed along the major project-area roadways adjacent to proposed residential uses if acoustical studies warrant sound attenuation, otherwise standard wood fencing is acceptable. Draft EIR Table 4.6-10 data shall be consulted to determine appropriate barrier heights. If the assumptions shown in Table 4.6-10 vary considerably, a detailed analysis of exterior and interior mitigation measures should be conducted when tentative maps become available. **MM 4.6-4(b):** In areas requiring sound attenuation, noise barrier walls shall be constructed of concrete panels, concrete masonry units, earthen berms, or any combination of these materials. Wood is not recommended for construction due to eventual warping and degradation of acoustical performance. **MM 4.6-4c:** Tentative map applications for residential uses located along Fiddyment Road would be required to include an analysis of interior noise levels. The report shall be conducted by a qualified acoustical engineer and shall specify the measures required to achieve compliance with the City of Roseville 45 dB Ldn interior noise level standard.	The developer shall construct walls in locations consistent with the walls exhibit of the Specific Plan, which shall be a minimum of six feet tall per the Draft EIR. The developer shall include wall and/or landscaped berm details as part of Improvement Plans which demonstrate consistency with the design requirements of the measure.	*Pre-Construction:* Prior to issuance of Improvement Plans. Add as note on Improvement Plans and Building Plans	Engineering to review plans for consistency with measure.	An acoustical Study, if conditions or plans deviate from Specific Plan or EIR.	
WMM 4.7-13 Riparian Habitat Policies To protect riparian vegetation within the SOI Amendment Area SVSP and Urban Reserve areas, the following policies shall be implemented: a) The project applicant shall provide for temporary fencing along the top of the bank during construction of those areas of the proposed project adjacent to riparian habitat to discourage access to the riparian habitat by humans and pets. b) The project applicant shall provide for permanent fencing and/or a landscape barrier to discourage access to the riparian habitat by humans and pets. The fencing and/or landscape barrier shall be placed at the top of the bank of the creeks along those portions of the site adjacent to riparian habitat. The proposed recreation trail shall be on the project site side of the fence/landscape barrier. The fencing and/or landscape barrier shall be constructed of wood or other natural materials and shall allow for the viewing of the riparian habitat while discouraging access. c) Interpretive signs and displays shall be posted along the border of the riparian area to educate the public and route access away from sensitive areas. These informative signs will be posted at intervals determined appropriate by the City of Roseville Parks and Recreation Director along the border with information regarding the objectives of creek and riparian habitat protection. Signs should also include information regarding the importance of restricting access to the riparian area by household pets. Such signs will be made of wood or similar natural material, and be maintained by the Applicant. d) Lighting adjacent to riparian buffers should be shielded away from the riparian areas.	The applicants shall design the project to avoid and preserve riparian vegetation.	*Pre-Construction*: Temporary fencing shall be installed prior to construction. Permanent measures shall be shown on Improvement Plans. Add as note on Improvement Plans.	Engineering and Parks	None	
Use Low-Glare Materials for New Development In order to reduce the effects of daytime glare from development of commercial or office uses within the SVSP Area, building developers should make use, when feasible, of low-glare materials. **MM 4.14-3 Avoid Light Spill Over into Curry Creek and Open Space Areas** Outdoor lighting shall be placed, designed and directed so as to avoid light spillover into the habitat of Curry Creek and the Open Space Preserve areas located immediately adjacent to the open space, as shown on the Land Use Map as parcels KT-1, KT-40, KT-30, KT-41, DF-1, DF-2, DF-40, CG-1, CG-82m JM-21, JM-3, and JM-4.	Comply with the measure	*Pre-Construction:* Ensure fixtures shown on Improvement Plans and Building Plans comply with the measure. Add as note on Improvement Plans and Building Plans	Engineering and Building	None	

MM 4.6-1 Construction Noise Reduction **MM 4.6-1(a):** Construction activities shall comply with the requirements of the City of Roseville Noise Ordinance. **MM4.6-1(b):** Locate fixed construction equipment such as compressors and generators as far as possible from sensitive receptors. Shroud or shield all impact tools, and muffle or shield all in-take and exhaust ports on power construction equipment. **MM 4.6-1(c):** Designate a construction disturbance coordinator and conspicuously post the Coordinator's contact information around the project site and in adjacent public spaces. The disturbance coordinator will receive all public complaints about construction noise disturbances, and will be responsible for determining the cause of the complaint, and implementing any feasible measures to be taken to alleviate the problem. **MM 4.6-1(d):** Well drilling shall occur prior to construction of the adjacent subdivision, to the extent feasible. If construction timing for the wells occurs after subdivision construction, then measures to reduce noise shall include; hanging flexible sound control curtains around the drilling apparatus, and the drill rig, to the degree feasible, as determined by the Environmental Utilities Director, if located within 1,000-feet of an occupied residence.	Discuss during pre-construction meeting and comply with the measure.	*Pre-Construction and Construction*: During construction for MM 4.6-1(d), and prior to issuance of Improvement Plans and/or Building Permits for all others. Add as note on Improvement Plans and Building Plans	Engineering staff to discuss this measure during pre-construction meeting and ensure posting has occurred. Environmental Utilities to address well drilling.	None	
MM 4.8-3 Avoid Nesting Sites To ensure that fully protected bird and raptor species are not injured or disturbed by construction in the vicinity of nesting habitat, the project applicant shall implement the following measures: *Raptors* a) When feasible, all tree removal shall occur between August 30th and February 15th to avoid the breeding season of any raptor species that could be using the area, and to discourage hawks from nesting in the vicinity of an upcoming construction area. b) For Swainson's hawk, if avoidance of tree removal outside the breeding season is not feasible, and a nest is present, the applicants would be required to obtain a 2081 permit from CDFG to mitigate for potential "take" under CESA. If no nesting is occurring, a take permit would not be required. c) Prior to the beginning of mass grading, including grading for major infrastructure improvements, during the period between February 15th and August 30th, all trees and potential burrowing owl habitat within 350 feet of any grading or earthmoving activity shall be surveyed for active raptor nests or burrows by a qualified biologist no more than 30-days prior to disturbance. If active raptor nests or burrows are found, and the site is within 350-feet of potential construction activity, a highly visible temporary fence shall be erected around the tree or burrow(s) at a distance of up to 350-feet, depending on the species, from the edge of the canopy to prevent construction disturbance and intrusions on the nest area. d) Preconstruction and non-breeding season exclusion measures shall be developed in consultation with CDFG, and shall preclude burrowing owl occupation of the portions of the project site subject to disturbance such as grading. Burrowing owls may be passively excluded from burrows in construction areas by placing one-way doors in the burrows according to CDFG protocol. The one-way doors must be in place for a minimum of three days. All burrows that may be occupied by burrowing owls regardless of whether they exhibit signs of occupation must be cleared with the one way doors. Burrows that have been cleared through the use of the one-way doors shall then be closed or backfilled to prevent owls from entering the burrow. e) No construction vehicles shall be permitted within restricted areas (i.e., raptor protection zones) unless directly related to the management or protection of the legally protected species. f) If a legally protected species nest is located in a tree designated for removal, the removal shall be deferred until after August 30th or until the adults and young of the year are no longer dependent on the nest site as determined by a qualified biologist. *Black Rails and Tri-colored Blackbirds* Prior to earth moving that would disturb marsh habitat, a qualified biologist shall conduct surveys to determine the presence of the California black rail. If either of these species is found, all earth moving within 250 feet shall stop and measures, including establishing nest protection buffers along both sides of Curry Creek during the nesting season (generally February 1 through August 31st) shall be implemented. *Rookeries* No heron rookeries are present within the plan area. Prior to earthmoving that would disturb marsh habitat or tree removal of the eucalyptus grove, pre-construction surveys should be conducted to verify	Results of preconstruction surveys shall be submitted prior to the issuance of a grading permit or Improvement Plans. Applicable construction restrictions shall be reflected within plans. The applicants shall prepare annual reports on the status and success of mitigation and shall submit these reports to USFWS and CDFG. The applicants shall coordinate with USFWS and CDFG to modify as necessary any mitigation plans in an effort to attain mitigation success.	*Pre-Construction and Construction*: Surveys required prior to construction. If surveys are positive for birds, then remainder of mitigation steps are required prior to construction. Add as note on Improvement Plans.	Engineering	Nesting bird surveys	

that no rookeries have been established. If rookeries are present all earth moving within 250-feet shall stop, during the breeding season.					
MM 4.13-1 Implementation of construction activity stormwater protection standards Prior to the issuance of a City grading permit and the commencement of construction activities, compliance with the State's General Construction permit, the City of Roseville's Construction Standards, and the City's Stormwater BMP Guidance Manual will be met. This includes the creation of a Storm Water Pollution Prevention Plan (SWPPP) that will identify the site, the location of sensitive habitats or watercourses, drainage areas, discharge locations, soil disturbance areas, and the locations of all runoff, erosion control, and sediment control Best Management Practices (BMPs). On-going monitoring and adjustments to the SWPPP will occur when needed to address changes in the field as construction activities evolve.	The developer shall create a SWPPP, submit it to the City, and comply with its provisions.	*Pre-Construction and Construction*: Submit SWPPP and ensure that BMPs remain in place during construction. Add as note on Improvement Plans and Building Plans.	Engineering	SWPPP	
MM 4.9-1 Cease Work and Consult with Qualified Archaeologist Should any cultural resources, such as structural features, any amount of bone or shell, artifacts, human remains, or architectural remains, be encountered during any subsurface development activities, work shall be suspended within 100-feet of the find. The City of Roseville Planning and Public Works Staff shall be immediately notified. At that time, the City of Roseville shall coordinate any necessary investigation of the site with qualified archaeologists as needed, to assess the resource (i.e., whether it is an "historical resource" or a "unique archaeological resource") and provide proper management recommendations should potential impacts to the resources be found to be significant. Possible management recommendations for important resources could include resource avoidance or, where avoidance is infeasible in light of project design or layout or is unnecessary to avoid significant effects, data recovery excavations. The contractor shall implement any measures deemed feasible and necessary by City staff, in consultation with the archaeologists, to be to avoid or minimize significant effects to the cultural resources. In addition, pursuant to Section 5097.98 or the State Public Resources Code, and Section 7050.5 of the State Health and Safety Code, in the event of the discovery of human remains, the County Coroner shall be immediately notified. If the remains are determined to be Native American, guidelines of the Native American Heritage Commission shall be adhered to in the treatment and disposition of the remains.	This condition shall be reflected in all construction and building plans, and construction site workers shall be advised by the site manager of this measure.	*Construction*: Measure applies if resources are discovered during construction. Add as note on Improvement Plans and Building Plans.	Engineering and Building	None	
MM 4.9-3 Cease Work and Consult with Qualified Paleontologist Should any evidence of paleontological resources (e.g. fossils) be encountered during grading or excavation, work shall be suspended within 100 feet of the find, and the City of Roseville shall be immediately notified. At that time, the City shall coordinate any necessary investigation of the site with a qualified paleontologist to assess the resource and provide proper management recommendations. Possible management recommendations for important resources could include resource avoidance, if feasible in light of project design or layout, or data recovery excavations. The contractor shall implement any measures deemed feasible and necessary by City staff in consultation with the paleontologist for the protection of the paleontological resources.	This condition shall be reflected in all construction and building plans, and construction site workers shall be advised by the site manager of this measure.	*Construction*: Measure applies if resources are discovered during construction. Add as note on Improvement Plans and Building Plans.	Engineering and Building	None	
MM 4.10-1 Identify Potential Hazardous Materials (soil contamination, tank or well sites, lead based paint and/or asbestos) Prior to site development in the SVSP, recommended testing and remediation, if needed shall occur. Groundwater wells shall be properly closed. If evidence of soil contamination, septic tanks, or other underground storage tanks are encountered in previously unidentified locations in the SVSP area, work shall cease until the area can be tested, and if necessary remediated and/or properly removed or closed. Remediation activities could include removal of contaminated soil, and/or onsite treatment. As part of the process, the City shall ensure that any necessary investigation and/or remediation activities are coordinated with the Roseville Fire Department, Placer County Division of Environmental Health, and if needed, other appropriate federal, state and local agencies. Once a site is remediated, construction can continue.	The applicants shall be responsible for conducting soil testing and/or recommendation of the Phase I environmental site assessments, if conditions are encountered which warrant such studies.	*Construction*: Applies if conditions found which warrant assessment (e.g. stained soils, underground tanks). Add as note on Improvement Plans.	Engineering and Fire	Phase I environmental assessment, if conditions warrant	
MM 4.12.4-2 Divert Construction Debris The applicants shall ensure a 50% reduction in the construction waste stream generated from development within the SVSP. In Developer contracts with construction contractors and their sub-contractors, the Developer shall require that construction waste be reduced by 50%. The Developer shall further require that contractors and sub-contractors submit records of diversion and disposal to the City's Environmental Utilities Department in order to verify compliance with this requirement.	Comply with the measure	*Construction:* Contractor to ensure diversion occurs during construction. Add as note on Improvement Plans and Building Plans.	Environmental Utilities	Records of diversion	
TCR-1: **Inadvertent Discoveries** If any TCRs are discovered during ground disturbing construction activities, all work shall cease within 100 feet of the find. The appropriate tribal representatives from culturally affiliated tribes shall	This condition shall be reflected in all construction and building plans, and construction site workers shall	*Construction*: Measure applies if resources are discovered during construction.	Engineering and Building	None	

be immediately notified. Work at the discovery location cannot resume until it is determined, in consultation with culturally affiliated tribes, that the find is not a TCR, or that the find is a TCR and all necessary investigation and evaluation of the discovery under the requirements of the CEQA, including AB 52, has been satisfied. Preservation in place is the preferred alternative under CEQA and UAIC protocols, and every effort must be made to preserve the resources in place, including through project redesign. The contractor shall implement any measures deemed by the CEQA lead agency to be necessary and feasible to preserve in place, avoid, or minimize impacts to the resource, including, but not limited to, facilitating the appropriate tribal treatment of the find, as necessary.	be advised by the site manager of this measure.	Add as note on Improvement Plans and Building Plans.			

NOTE: This table is provided as a courtesy to the developer, to highlight the text of measures which are required to be placed on Improvement Plans and/or Building Plans. Refer to the applicable environmental document (e.g. Environmental Impact Report) for a full list of measures, and for context. Other measures may be applicable, but are not included here because they have already been completed or they are addressed via other mechanisms (e.g. development fees).

Sierra Vista JM-40 Subdivision

Placer-Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	35.00	Dwelling Unit	5.70	63,000.00	100

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	74
Climate Zone	2			**Operational Year**	2022
Utility Company	Roseville Electric				
CO2 Intensity (lb/MWhr)	793.8	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Start of construction and operational year are estimated.

Land Use - Lot acreage based on proposed site plan.

Energy Use -

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	11.36	5.70

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.2414	2.2864	1.9315	3.3700e-003	0.1698	0.1190	0.2888	0.0871	0.1113	0.1983	0.0000	292.7512	292.7512	0.0716	0.0000	294.5403
2022	0.4605	0.6073	0.6696	1.1400e-003	5.2600e-003	0.0308	0.0361	1.4200e-003	0.0289	0.0304	0.0000	98.9485	98.9485	0.0235	0.0000	99.5365
Maximum	**0.4605**	**2.2864**	**1.9315**	**3.3700e-003**	**0.1698**	**0.1190**	**0.2888**	**0.0871**	**0.1113**	**0.1983**	**0.0000**	**292.7512**	**292.7512**	**0.0716**	**0.0000**	**294.5403**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.2414	2.2864	1.9315	3.3700e-003	0.1698	0.1190	0.2888	0.0871	0.1113	0.1983	0.0000	292.7509	292.7509	0.0716	0.0000	294.5400
2022	0.4605	0.6073	0.6696	1.1400e-003	5.2600e-003	0.0308	0.0361	1.4200e-003	0.0289	0.0304	0.0000	98.9484	98.9484	0.0235	0.0000	99.5364
Maximum	**0.4605**	**2.2864**	**1.9315**	**3.3700e-003**	**0.1698**	**0.1190**	**0.2888**	**0.0871**	**0.1113**	**0.1983**	**0.0000**	**292.7509**	**292.7509**	**0.0716**	**0.0000**	**294.5400**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-1-2021	5-31-2021	0.9858	0.9858
2	6-1-2021	8-31-2021	0.6521	0.6521
3	9-1-2021	11-30-2021	0.6452	0.6452
4	12-1-2021	2-28-2022	0.5953	0.5953
5	3-1-2022	5-31-2022	0.6926	0.6926
		Highest	0.9858	0.9858

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.4894	0.0459	2.9710	4.9300e-003		0.3815	0.3815		0.3815	0.3815	36.1535	15.5868	51.7403	0.0338	2.8400e-003	53.4321
Energy	4.8800e-003	0.0417	0.0177	2.7000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003	0.0000	154.6622	154.6622	4.8100e-003	1.6900e-003	155.2858
Mobile	0.0991	0.7168	1.1572	4.6400e-003	0.3522	3.9300e-003	0.3561	0.0947	3.6900e-003	0.0984	0.0000	427.5317	427.5317	0.0161	0.0000	427.9337
Waste						0.0000	0.0000		0.0000	0.0000	7.3077	0.0000	7.3077	0.4319	0.0000	18.1045
Water						0.0000	0.0000		0.0000	0.0000	0.7235	6.2546	6.9781	0.0745	1.8000e-003	9.3784
Total	**2.5934**	**0.8044**	**4.1460**	**9.8400e-003**	**0.3522**	**0.3888**	**0.7410**	**0.0947**	**0.3886**	**0.4833**	**44.1847**	**604.0352**	**648.2199**	**0.5611**	**6.3300e-003**	**664.1343**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.4894	0.0459	2.9710	4.9300e-003		0.3815	0.3815		0.3815	0.3815	36.1535	15.5868	51.7403	0.0338	2.8400e-003	53.4321
Energy	4.8800e-003	0.0417	0.0177	2.7000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003	0.0000	154.6622	154.6622	4.8100e-003	1.6900e-003	155.2858
Mobile	0.0991	0.7168	1.1572	4.6400e-003	0.3522	3.9300e-003	0.3561	0.0947	3.6900e-003	0.0984	0.0000	427.5317	427.5317	0.0161	0.0000	427.9337
Waste						0.0000	0.0000		0.0000	0.0000	7.3077	0.0000	7.3077	0.4319	0.0000	18.1045
Water						0.0000	0.0000		0.0000	0.0000	0.7235	6.2546	6.9781	0.0745	1.8000e-003	9.3784
Total	**2.5934**	**0.8044**	**4.1460**	**9.8400e-003**	**0.3522**	**0.3888**	**0.7410**	**0.0947**	**0.3886**	**0.4833**	**44.1847**	**604.0352**	**648.2199**	**0.5611**	**6.3300e-003**	**664.1343**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Sierra Vista JM-40 Subdivision - Placer-Sacramento County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/1/2021	3/26/2021	5	20	
2	Site Preparation	Site Preparation	3/27/2021	4/9/2021	5	10	
3	Grading	Grading	4/10/2021	5/7/2021	5	20	
4	Building Construction	Building Construction	5/8/2021	3/25/2022	5	230	
5	Paving	Paving	3/26/2022	4/22/2022	5	20	
6	Architectural Coating	Architectural Coating	4/23/2022	5/20/2022	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 127,575; Residential Outdoor: 42,525; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Sierra Vista JM-40 Subdivision - Placer-Sacramento County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	13.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400
Total	**0.0317**	**0.3144**	**0.2157**	**3.9000e-004**		**0.0155**	**0.0155**		**0.0144**	**0.0144**	**0.0000**	**34.0008**	**34.0008**	**9.5700e-003**	**0.0000**	**34.2400**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.3000e-004	3.5600e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9809	0.9809	2.0000e-005	0.0000	0.9815
Total	**4.8000e-004**	**3.3000e-004**	**3.5600e-003**	**1.0000e-005**	**1.1800e-003**	**1.0000e-005**	**1.1900e-003**	**3.1000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**0.9809**	**0.9809**	**2.0000e-005**	**0.0000**	**0.9815**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400
Total	**0.0317**	**0.3144**	**0.2157**	**3.9000e-004**		**0.0155**	**0.0155**		**0.0144**	**0.0144**	**0.0000**	**34.0007**	**34.0007**	**9.5700e-003**	**0.0000**	**34.2400**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.3000e-004	3.5600e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9809	0.9809	2.0000e-005	0.0000	0.9815
Total	**4.8000e-004**	**3.3000e-004**	**3.5600e-003**	**1.0000e-005**	**1.1800e-003**	**1.0000e-005**	**1.1900e-003**	**3.1000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**0.9809**	**0.9809**	**2.0000e-005**	**0.0000**	**0.9815**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7179	16.7179	5.4100e-003	0.0000	16.8530
Total	**0.0194**	**0.2025**	**0.1058**	**1.9000e-004**	**0.0903**	**0.0102**	**0.1006**	**0.0497**	**9.4000e-003**	**0.0591**	**0.0000**	**16.7179**	**16.7179**	**5.4100e-003**	**0.0000**	**16.8530**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	2.0000e-004	2.1400e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5886	0.5886	1.0000e-005	0.0000	0.5889
Total	**2.9000e-004**	**2.0000e-004**	**2.1400e-003**	**1.0000e-005**	**7.1000e-004**	**0.0000**	**7.1000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.5886**	**0.5886**	**1.0000e-005**	**0.0000**	**0.5889**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7178	16.7178	5.4100e-003	0.0000	16.8530
Total	**0.0194**	**0.2025**	**0.1058**	**1.9000e-004**	**0.0903**	**0.0102**	**0.1006**	**0.0497**	**9.4000e-003**	**0.0591**	**0.0000**	**16.7178**	**16.7178**	**5.4100e-003**	**0.0000**	**16.8530**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	2.0000e-004	2.1400e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5886	0.5886	1.0000e-005	0.0000	0.5889
Total	**2.9000e-004**	**2.0000e-004**	**2.1400e-003**	**1.0000e-005**	**7.1000e-004**	**0.0000**	**7.1000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.5886**	**0.5886**	**1.0000e-005**	**0.0000**	**0.5889**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0229	0.2474	0.1586	3.0000e-004		0.0116	0.0116		0.0107	0.0107	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2644
Total	**0.0229**	**0.2474**	**0.1586**	**3.0000e-004**	**0.0655**	**0.0116**	**0.0771**	**0.0337**	**0.0107**	**0.0443**	**0.0000**	**26.0537**	**26.0537**	**8.4300e-003**	**0.0000**	**26.2644**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.3000e-004	3.5600e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9809	0.9809	2.0000e-005	0.0000	0.9815
Total	**4.8000e-004**	**3.3000e-004**	**3.5600e-003**	**1.0000e-005**	**1.1800e-003**	**1.0000e-005**	**1.1900e-003**	**3.1000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**0.9809**	**0.9809**	**2.0000e-005**	**0.0000**	**0.9815**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0229	0.2474	0.1586	3.0000e-004		0.0116	0.0116		0.0107	0.0107	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2643
Total	**0.0229**	**0.2474**	**0.1586**	**3.0000e-004**	**0.0655**	**0.0116**	**0.0771**	**0.0337**	**0.0107**	**0.0443**	**0.0000**	**26.0537**	**26.0537**	**8.4300e-003**	**0.0000**	**26.2643**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.3000e-004	3.5600e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9809	0.9809	2.0000e-005	0.0000	0.9815
Total	**4.8000e-004**	**3.3000e-004**	**3.5600e-003**	**1.0000e-005**	**1.1800e-003**	**1.0000e-005**	**1.1900e-003**	**3.1000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**0.9809**	**0.9809**	**2.0000e-005**	**0.0000**	**0.9815**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1616	1.4817	1.4089	2.2900e-003		0.0815	0.0815		0.0766	0.0766	0.0000	196.8917	196.8917	0.0475	0.0000	198.0792
Total	**0.1616**	**1.4817**	**1.4089**	**2.2900e-003**		**0.0815**	**0.0815**		**0.0766**	**0.0766**	**0.0000**	**196.8917**	**196.8917**	**0.0475**	**0.0000**	**198.0792**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0500e-003	0.0371	7.0900e-003	1.0000e-004	2.2200e-003	8.0000e-005	2.3000e-003	6.4000e-004	8.0000e-005	7.2000e-004	0.0000	9.3108	9.3108	4.3000e-004	0.0000	9.3216
Worker	3.5600e-003	2.4000e-003	0.0262	8.0000e-005	8.6800e-003	6.0000e-005	8.7300e-003	2.3100e-003	5.0000e-005	2.3600e-003	0.0000	7.2261	7.2261	1.7000e-004	0.0000	7.2302
Total	**4.6100e-003**	**0.0395**	**0.0333**	**1.8000e-004**	**0.0109**	**1.4000e-004**	**0.0110**	**2.9500e-003**	**1.3000e-004**	**3.0800e-003**	**0.0000**	**16.5368**	**16.5368**	**6.0000e-004**	**0.0000**	**16.5518**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1616	1.4817	1.4089	2.2900e-003		0.0815	0.0815		0.0766	0.0766	0.0000	196.8915	196.8915	0.0475	0.0000	198.0790
Total	**0.1616**	**1.4817**	**1.4089**	**2.2900e-003**		**0.0815**	**0.0815**		**0.0766**	**0.0766**	**0.0000**	**196.8915**	**196.8915**	**0.0475**	**0.0000**	**198.0790**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0500e-003	0.0371	7.0900e-003	1.0000e-004	2.2200e-003	8.0000e-005	2.3000e-003	6.4000e-004	8.0000e-005	7.2000e-004	0.0000	9.3108	9.3108	4.3000e-004	0.0000	9.3216
Worker	3.5600e-003	2.4000e-003	0.0262	8.0000e-005	8.6800e-003	6.0000e-005	8.7300e-003	2.3100e-003	5.0000e-005	2.3600e-003	0.0000	7.2261	7.2261	1.7000e-004	0.0000	7.2302
Total	**4.6100e-003**	**0.0395**	**0.0333**	**1.8000e-004**	**0.0109**	**1.4000e-004**	**0.0110**	**2.9500e-003**	**1.3000e-004**	**3.0800e-003**	**0.0000**	**16.5368**	**16.5368**	**6.0000e-004**	**0.0000**	**16.5518**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0512	0.4685	0.4909	8.1000e-004		0.0243	0.0243		0.0228	0.0228	0.0000	69.5176	69.5176	0.0167	0.0000	69.9339
Total	**0.0512**	**0.4685**	**0.4909**	**8.1000e-004**		**0.0243**	**0.0243**		**0.0228**	**0.0228**	**0.0000**	**69.5176**	**69.5176**	**0.0167**	**0.0000**	**69.9339**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.4000e-004	0.0124	2.3200e-003	3.0000e-005	7.8000e-004	3.0000e-005	8.1000e-004	2.3000e-004	2.0000e-005	2.5000e-004	0.0000	3.2591	3.2591	1.4000e-004	0.0000	3.2627
Worker	1.1800e-003	7.6000e-004	8.5200e-003	3.0000e-005	3.0600e-003	2.0000e-005	3.0800e-003	8.2000e-004	2.0000e-005	8.3000e-004	0.0000	2.4570	2.4570	5.0000e-005	0.0000	2.4583
Total	**1.5200e-003**	**0.0132**	**0.0108**	**6.0000e-005**	**3.8400e-003**	**5.0000e-005**	**3.8900e-003**	**1.0500e-003**	**4.0000e-005**	**1.0800e-003**	**0.0000**	**5.7161**	**5.7161**	**1.9000e-004**	**0.0000**	**5.7210**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0512	0.4685	0.4909	8.1000e-004		0.0243	0.0243		0.0228	0.0228	0.0000	69.5175	69.5175	0.0167	0.0000	69.9339
Total	**0.0512**	**0.4685**	**0.4909**	**8.1000e-004**		**0.0243**	**0.0243**		**0.0228**	**0.0228**	**0.0000**	**69.5175**	**69.5175**	**0.0167**	**0.0000**	**69.9339**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.4000e-004	0.0124	2.3200e-003	3.0000e-005	7.8000e-004	3.0000e-005	8.1000e-004	2.3000e-004	2.0000e-005	2.5000e-004	0.0000	3.2591	3.2591	1.4000e-004	0.0000	3.2627
Worker	1.1800e-003	7.6000e-004	8.5200e-003	3.0000e-005	3.0600e-003	2.0000e-005	3.0800e-003	8.2000e-004	2.0000e-005	8.3000e-004	0.0000	2.4570	2.4570	5.0000e-005	0.0000	2.4583
Total	**1.5200e-003**	**0.0132**	**0.0108**	**6.0000e-005**	**3.8400e-003**	**5.0000e-005**	**3.8900e-003**	**1.0500e-003**	**4.0000e-005**	**1.0800e-003**	**0.0000**	**5.7161**	**5.7161**	**1.9000e-004**	**0.0000**	**5.7210**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0110**	**0.1113**	**0.1458**	**2.3000e-004**		**5.6800e-003**	**5.6800e-003**		**5.2200e-003**	**5.2200e-003**	**0.0000**	**20.0276**	**20.0276**	**6.4800e-003**	**0.0000**	**20.1895**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	2.9000e-004	3.2800e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9450	0.9450	2.0000e-005	0.0000	0.9455
Total	**4.5000e-004**	**2.9000e-004**	**3.2800e-003**	**1.0000e-005**	**1.1800e-003**	**1.0000e-005**	**1.1900e-003**	**3.1000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**0.9450**	**0.9450**	**2.0000e-005**	**0.0000**	**0.9455**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0110**	**0.1113**	**0.1458**	**2.3000e-004**		**5.6800e-003**	**5.6800e-003**		**5.2200e-003**	**5.2200e-003**	**0.0000**	**20.0275**	**20.0275**	**6.4800e-003**	**0.0000**	**20.1895**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	2.9000e-004	3.2800e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9450	0.9450	2.0000e-005	0.0000	0.9455
Total	**4.5000e-004**	**2.9000e-004**	**3.2800e-003**	**1.0000e-005**	**1.1800e-003**	**1.0000e-005**	**1.1900e-003**	**3.1000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**0.9450**	**0.9450**	**2.0000e-005**	**0.0000**	**0.9455**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3942					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	**0.3963**	**0.0141**	**0.0181**	**3.0000e-005**		**8.2000e-004**	**8.2000e-004**		**8.2000e-004**	**8.2000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.7000e-004**	**0.0000**	**2.5574**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	6.0000e-005	6.6000e-004	0.0000	2.4000e-004	0.0000	2.4000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1890	0.1890	0.0000	0.0000	0.1891
Total	**9.0000e-005**	**6.0000e-005**	**6.6000e-004**	**0.0000**	**2.4000e-004**	**0.0000**	**2.4000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.1890**	**0.1890**	**0.0000**	**0.0000**	**0.1891**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3942					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
Total	**0.3963**	**0.0141**	**0.0181**	**3.0000e-005**		**8.2000e-004**	**8.2000e-004**		**8.2000e-004**	**8.2000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.7000e-004**	**0.0000**	**2.5574**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	6.0000e-005	6.6000e-004	0.0000	2.4000e-004	0.0000	2.4000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1890	0.1890	0.0000	0.0000	0.1891
Total	**9.0000e-005**	**6.0000e-005**	**6.6000e-004**	**0.0000**	**2.4000e-004**	**0.0000**	**2.4000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.1890**	**0.1890**	**0.0000**	**0.0000**	**0.1891**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0991	0.7168	1.1572	4.6400e-003	0.3522	3.9300e-003	0.3561	0.0947	3.6900e-003	0.0984	0.0000	427.5317	427.5317	0.0161	0.0000	427.9337
Unmitigated	0.0991	0.7168	1.1572	4.6400e-003	0.3522	3.9300e-003	0.3561	0.0947	3.6900e-003	0.0984	0.0000	427.5317	427.5317	0.0161	0.0000	427.9337

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	333.20	346.85	301.70	947,161	947,161
Total	333.20	346.85	301.70	947,161	947,161

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.499712	0.039404	0.220288	0.124864	0.021993	0.006021	0.030614	0.046741	0.001428	0.001188	0.005840	0.000765	0.001142

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	106.4098	106.4098	3.8900e-003	8.0000e-004	106.7467
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	106.4098	106.4098	3.8900e-003	8.0000e-004	106.7467
NaturalGas Mitigated	4.8800e-003	0.0417	0.0177	2.7000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003	0.0000	48.2523	48.2523	9.2000e-004	8.8000e-004	48.5391
NaturalGas Unmitigated	4.8800e-003	0.0417	0.0177	2.7000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003	0.0000	48.2523	48.2523	9.2000e-004	8.8000e-004	48.5391

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	904214	4.8800e-003	0.0417	0.0177	2.7000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003	0.0000	48.2523	48.2523	9.2000e-004	8.8000e-004	48.5391
Total		**4.8800e-003**	**0.0417**	**0.0177**	**2.7000e-004**		**3.3700e-003**	**3.3700e-003**		**3.3700e-003**	**3.3700e-003**	**0.0000**	**48.2523**	**48.2523**	**9.2000e-004**	**8.8000e-004**	**48.5391**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	904214	4.8800e-003	0.0417	0.0177	2.7000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003	0.0000	48.2523	48.2523	9.2000e-004	8.8000e-004	48.5391
Total		**4.8800e-003**	**0.0417**	**0.0177**	**2.7000e-004**		**3.3700e-003**	**3.3700e-003**		**3.3700e-003**	**3.3700e-003**	**0.0000**	**48.2523**	**48.2523**	**9.2000e-004**	**8.8000e-004**	**48.5391**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	295532	106.4098	3.8900e-003	8.0000e-004	106.7467
Total		**106.4098**	**3.8900e-003**	**8.0000e-004**	**106.7467**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	295532	106.4098	3.8900e-003	8.0000e-004	106.7467
Total		**106.4098**	**3.8900e-003**	**8.0000e-004**	**106.7467**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.4894	0.0459	2.9710	4.9300e-003		0.3815	0.3815		0.3815	0.3815	36.1535	15.5868	51.7403	0.0338	2.8400e-003	53.4321
Unmitigated	2.4894	0.0459	2.9710	4.9300e-003		0.3815	0.3815		0.3815	0.3815	36.1535	15.5868	51.7403	0.0338	2.8400e-003	53.4321

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0394					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2461					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.1961	0.0429	2.7109	4.9100e-003		0.3801	0.3801		0.3801	0.3801	36.1535	15.1623	51.3158	0.0334	2.8400e-003	52.9973
Landscaping	7.8600e-003	3.0000e-003	0.2602	1.0000e-005		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003	0.0000	0.4245	0.4245	4.1000e-004	0.0000	0.4348
Total	**2.4895**	**0.0459**	**2.9710**	**4.9200e-003**		**0.3815**	**0.3815**		**0.3815**	**0.3815**	**36.1535**	**15.5868**	**51.7403**	**0.0338**	**2.8400e-003**	**53.4321**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0394					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2461					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.1961	0.0429	2.7109	4.9100e-003		0.3801	0.3801		0.3801	0.3801	36.1535	15.1623	51.3158	0.0334	2.8400e-003	52.9973
Landscaping	7.8600e-003	3.0000e-003	0.2602	1.0000e-005		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003	0.0000	0.4245	0.4245	4.1000e-004	0.0000	0.4348
Total	**2.4895**	**0.0459**	**2.9710**	**4.9200e-003**		**0.3815**	**0.3815**		**0.3815**	**0.3815**	**36.1535**	**15.5868**	**51.7403**	**0.0338**	**2.8400e-003**	**53.4321**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	6.9781	0.0745	1.8000e-003	9.3784
Unmitigated	6.9781	0.0745	1.8000e-003	9.3784

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	2.28039 / 1.43764	6.9781	0.0745	1.8000e-003	9.3784
Total		**6.9781**	**0.0745**	**1.8000e-003**	**9.3784**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	2.28039 / 1.43764	6.9781	0.0745	1.8000e-003	9.3784
Total		**6.9781**	**0.0745**	**1.8000e-003**	**9.3784**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7.3077	0.4319	0.0000	18.1045
Unmitigated	7.3077	0.4319	0.0000	18.1045

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	36	7.3077	0.4319	0.0000	18.1045
Total		**7.3077**	**0.4319**	**0.0000**	**18.1045**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	36	7.3077	0.4319	0.0000	18.1045
Total		**7.3077**	**0.4319**	**0.0000**	**18.1045**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Sierra Vista JM-40 Subdivision

Placer-Sacramento County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	35.00	Dwelling Unit	5.70	63,000.00	100

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	74
Climate Zone	2			**Operational Year**	2022
Utility Company	Roseville Electric				
CO2 Intensity (lb/MWhr)	793.8	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Start of construction and operational year are estimated.

Land Use - Lot acreage based on proposed site plan.

Energy Use -

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	11.36	5.70

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.9511	40.5402	21.9249	0.0399	18.2141	2.0454	20.2595	9.9699	1.8818	11.8516	0.0000	3,853.4233	3,853.4233	1.1950	0.0000	3,879.8569
2022	39.6351	16.0554	16.7357	0.0289	0.1339	0.8105	0.9444	0.0361	0.7626	0.7987	0.0000	2,759.7496	2,759.7496	0.7162	0.0000	2,775.2380
Maximum	**39.6351**	**40.5402**	**21.9249**	**0.0399**	**18.2141**	**2.0454**	**20.2595**	**9.9699**	**1.8818**	**11.8516**	**0.0000**	**3,853.4233**	**3,853.4233**	**1.1950**	**0.0000**	**3,879.8569**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.9511	40.5402	21.9249	0.0399	18.2141	2.0454	20.2595	9.9699	1.8818	11.8516	0.0000	3,853.4233	3,853.4233	1.1950	0.0000	3,879.8569
2022	39.6351	16.0554	16.7357	0.0289	0.1339	0.8105	0.9444	0.0361	0.7626	0.7987	0.0000	2,759.7496	2,759.7496	0.7162	0.0000	2,775.2380
Maximum	**39.6351**	**40.5402**	**21.9249**	**0.0399**	**18.2141**	**2.0454**	**20.2595**	**9.9699**	**1.8818**	**11.8516**	**0.0000**	**3,853.4233**	**3,853.4233**	**1.1950**	**0.0000**	**3,879.8569**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	55.2153	1.0794	69.0094	0.1199		9.2865	9.2865		9.2865	9.2865	972.0106	412.8464	1,384.8570	0.9020	0.0765	1,430.1914
Energy	0.0267	0.2283	0.0972	1.4600e-003		0.0185	0.0185		0.0185	0.0185		291.4470	291.4470	5.5900e-003	5.3400e-003	293.1789
Mobile	0.5537	4.1766	6.9182	0.0262	2.1212	0.0229	2.1441	0.5685	0.0215	0.5900		2,659.9222	2,659.9222	0.1059		2,662.5705
Total	**55.7958**	**5.4842**	**76.0248**	**0.1476**	**2.1212**	**9.3278**	**11.4490**	**0.5685**	**9.3264**	**9.8949**	**972.0106**	**3,364.2156**	**4,336.2262**	**1.0135**	**0.0818**	**4,385.9408**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	55.2153	1.0794	69.0094	0.1199		9.2865	9.2865		9.2865	9.2865	972.0106	412.8464	1,384.8570	0.9020	0.0765	1,430.1914
Energy	0.0267	0.2283	0.0972	1.4600e-003		0.0185	0.0185		0.0185	0.0185		291.4470	291.4470	5.5900e-003	5.3400e-003	293.1789
Mobile	0.5537	4.1766	6.9182	0.0262	2.1212	0.0229	2.1441	0.5685	0.0215	0.5900		2,659.9222	2,659.9222	0.1059		2,662.5705
Total	**55.7958**	**5.4842**	**76.0248**	**0.1476**	**2.1212**	**9.3278**	**11.4490**	**0.5685**	**9.3264**	**9.8949**	**972.0106**	**3,364.2156**	**4,336.2262**	**1.0135**	**0.0818**	**4,385.9408**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/1/2021	3/26/2021	5	20	
2	Site Preparation	Site Preparation	3/27/2021	4/9/2021	5	10	
3	Grading	Grading	4/10/2021	5/7/2021	5	20	
4	Building Construction	Building Construction	5/8/2021	3/25/2022	5	230	
5	Paving	Paving	3/26/2022	4/22/2022	5	20	
6	Architectural Coating	Architectural Coating	4/23/2022	5/20/2022	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 127,575; Residential Outdoor: 42,525; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	13.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**		**1.5513**	**1.5513**		**1.4411**	**1.4411**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0525	0.0360	0.3599	1.0600e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		105.4783	105.4783	2.4500e-003		105.5395
Total	**0.0525**	**0.0360**	**0.3599**	**1.0600e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**105.4783**	**105.4783**	**2.4500e-003**		**105.5395**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**		**1.5513**	**1.5513**		**1.4411**	**1.4411**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0525	0.0360	0.3599	1.0600e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		105.4783	105.4783	2.4500e-003		105.5395
Total	**0.0525**	**0.0360**	**0.3599**	**1.0600e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**105.4783**	**105.4783**	**2.4500e-003**		**105.5395**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0629	0.0431	0.4319	1.2700e-003	0.1479	9.1000e-004	0.1488	0.0392	8.4000e-004	0.0401		126.5740	126.5740	2.9400e-003		126.6474
Total	**0.0629**	**0.0431**	**0.4319**	**1.2700e-003**	**0.1479**	**9.1000e-004**	**0.1488**	**0.0392**	**8.4000e-004**	**0.0401**		**126.5740**	**126.5740**	**2.9400e-003**		**126.6474**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0629	0.0431	0.4319	1.2700e-003	0.1479	9.1000e-004	0.1488	0.0392	8.4000e-004	0.0401		126.5740	126.5740	2.9400e-003		126.6474
Total	**0.0629**	**0.0431**	**0.4319**	**1.2700e-003**	**0.1479**	**9.1000e-004**	**0.1488**	**0.0392**	**8.4000e-004**	**0.0401**		**126.5740**	**126.5740**	**2.9400e-003**		**126.6474**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	**2.2903**	**24.7367**	**15.8575**	**0.0296**	**6.5523**	**1.1599**	**7.7123**	**3.3675**	**1.0671**	**4.4346**		**2,871.9285**	**2,871.9285**	**0.9288**		**2,895.1495**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0525	0.0360	0.3599	1.0600e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		105.4783	105.4783	2.4500e-003		105.5395
Total	**0.0525**	**0.0360**	**0.3599**	**1.0600e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**105.4783**	**105.4783**	**2.4500e-003**		**105.5395**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	**2.2903**	**24.7367**	**15.8575**	**0.0296**	**6.5523**	**1.1599**	**7.7123**	**3.3675**	**1.0671**	**4.4346**	**0.0000**	**2,871.9285**	**2,871.9285**	**0.9288**		**2,895.1495**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0525	0.0360	0.3599	1.0600e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		105.4783	105.4783	2.4500e-003		105.5395
Total	**0.0525**	**0.0360**	**0.3599**	**1.0600e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**105.4783**	**105.4783**	**2.4500e-003**		**105.5395**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0128	0.4342	0.0923	1.1300e-003	0.0271	1.0300e-003	0.0281	7.8000e-003	9.8000e-004	8.7800e-003		118.3446	118.3446	6.0200e-003		118.4950
Worker	0.0455	0.0312	0.3119	9.2000e-004	0.1068	6.6000e-004	0.1075	0.0283	6.1000e-004	0.0289		91.4146	91.4146	2.1200e-003		91.4676
Total	**0.0583**	**0.4653**	**0.4042**	**2.0500e-003**	**0.1339**	**1.6900e-003**	**0.1356**	**0.0361**	**1.5900e-003**	**0.0377**		**209.7591**	**209.7591**	**8.1400e-003**		**209.9626**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0128	0.4342	0.0923	1.1300e-003	0.0271	1.0300e-003	0.0281	7.8000e-003	9.8000e-004	8.7800e-003		118.3446	118.3446	6.0200e-003		118.4950
Worker	0.0455	0.0312	0.3119	9.2000e-004	0.1068	6.6000e-004	0.1075	0.0283	6.1000e-004	0.0289		91.4146	91.4146	2.1200e-003		91.4676
Total	**0.0583**	**0.4653**	**0.4042**	**2.0500e-003**	**0.1339**	**1.6900e-003**	**0.1356**	**0.0361**	**1.5900e-003**	**0.0377**		**209.7591**	**209.7591**	**8.1400e-003**		**209.9626**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0119	0.4117	0.0858	1.1200e-003	0.0271	8.8000e-004	0.0280	7.8000e-003	8.4000e-004	8.6400e-003		117.3477	117.3477	5.6900e-003		117.4900
Worker	0.0426	0.0280	0.2865	8.8000e-004	0.1068	6.5000e-004	0.1074	0.0283	5.9000e-004	0.0289		88.0683	88.0683	1.9000e-003		88.1158
Total	**0.0545**	**0.4398**	**0.3723**	**2.0000e-003**	**0.1339**	**1.5300e-003**	**0.1354**	**0.0361**	**1.4300e-003**	**0.0376**		**205.4160**	**205.4160**	**7.5900e-003**		**205.6058**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0119	0.4117	0.0858	1.1200e-003	0.0271	8.8000e-004	0.0280	7.8000e-003	8.4000e-004	8.6400e-003		117.3477	117.3477	5.6900e-003		117.4900
Worker	0.0426	0.0280	0.2865	8.8000e-004	0.1068	6.5000e-004	0.1074	0.0283	5.9000e-004	0.0289		88.0683	88.0683	1.9000e-003		88.1158
Total	**0.0545**	**0.4398**	**0.3723**	**2.0000e-003**	**0.1339**	**1.5300e-003**	**0.1354**	**0.0361**	**1.4300e-003**	**0.0376**		**205.4160**	**205.4160**	**7.5900e-003**		**205.6058**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0492	0.0323	0.3306	1.0200e-003	0.1232	7.5000e-004	0.1240	0.0327	6.9000e-004	0.0334		101.6173	101.6173	2.1900e-003		101.6721
Total	**0.0492**	**0.0323**	**0.3306**	**1.0200e-003**	**0.1232**	**7.5000e-004**	**0.1240**	**0.0327**	**6.9000e-004**	**0.0334**		**101.6173**	**101.6173**	**2.1900e-003**		**101.6721**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0492	0.0323	0.3306	1.0200e-003	0.1232	7.5000e-004	0.1240	0.0327	6.9000e-004	0.0334		101.6173	101.6173	2.1900e-003		101.6721
Total	**0.0492**	**0.0323**	**0.3306**	**1.0200e-003**	**0.1232**	**7.5000e-004**	**0.1240**	**0.0327**	**6.9000e-004**	**0.0334**		**101.6173**	**101.6173**	**2.1900e-003**		**101.6721**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	39.4207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**39.6252**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.8300e-003	6.4700e-003	0.0661	2.0000e-004	0.0246	1.5000e-004	0.0248	6.5400e-003	1.4000e-004	6.6700e-003		20.3235	20.3235	4.4000e-004		20.3344
Total	**9.8300e-003**	**6.4700e-003**	**0.0661**	**2.0000e-004**	**0.0246**	**1.5000e-004**	**0.0248**	**6.5400e-003**	**1.4000e-004**	**6.6700e-003**		**20.3235**	**20.3235**	**4.4000e-004**		**20.3344**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	39.4207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**39.6252**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.8300e-003	6.4700e-003	0.0661	2.0000e-004	0.0246	1.5000e-004	0.0248	6.5400e-003	1.4000e-004	6.6700e-003		20.3235	20.3235	4.4000e-004		20.3344
Total	**9.8300e-003**	**6.4700e-003**	**0.0661**	**2.0000e-004**	**0.0246**	**1.5000e-004**	**0.0248**	**6.5400e-003**	**1.4000e-004**	**6.6700e-003**		**20.3235**	**20.3235**	**4.4000e-004**		**20.3344**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5537	4.1766	6.9182	0.0262	2.1212	0.0229	2.1441	0.5685	0.0215	0.5900		2,659.9222	2,659.9222	0.1059		2,662.5705
Unmitigated	0.5537	4.1766	6.9182	0.0262	2.1212	0.0229	2.1441	0.5685	0.0215	0.5900		2,659.9222	2,659.9222	0.1059		2,662.5705

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	333.20	346.85	301.70	947,161	947,161
Total	333.20	346.85	301.70	947,161	947,161

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.499712	0.039404	0.220288	0.124864	0.021993	0.006021	0.030614	0.046741	0.001428	0.001188	0.005840	0.000765	0.001142

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0267	0.2283	0.0972	1.4600e-003		0.0185	0.0185		0.0185	0.0185		291.4470	291.4470	5.5900e-003	5.3400e-003	293.1789
NaturalGas Unmitigated	0.0267	0.2283	0.0972	1.4600e-003		0.0185	0.0185		0.0185	0.0185		291.4470	291.4470	5.5900e-003	5.3400e-003	293.1789

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	2477.3	0.0267	0.2283	0.0972	1.4600e-003		0.0185	0.0185		0.0185	0.0185		291.4470	291.4470	5.5900e-003	5.3400e-003	293.1789
Total		**0.0267**	**0.2283**	**0.0972**	**1.4600e-003**		**0.0185**	**0.0185**		**0.0185**	**0.0185**		**291.4470**	**291.4470**	**5.5900e-003**	**5.3400e-003**	**293.1789**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	2.4773	0.0267	0.2283	0.0972	1.4600e-003		0.0185	0.0185		0.0185	0.0185		291.4470	291.4470	5.5900e-003	5.3400e-003	293.1789
Total		**0.0267**	**0.2283**	**0.0972**	**1.4600e-003**		**0.0185**	**0.0185**		**0.0185**	**0.0185**		**291.4470**	**291.4470**	**5.5900e-003**	**5.3400e-003**	**293.1789**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	55.2153	1.0794	69.0094	0.1199		9.2865	9.2865		9.2865	9.2865	972.0106	412.8464	1,384.8570	0.9020	0.0765	1,430.1914
Unmitigated	55.2153	1.0794	69.0094	0.1199		9.2865	9.2865		9.2865	9.2865	972.0106	412.8464	1,384.8570	0.9020	0.0765	1,430.1914

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2160					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3482					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	53.5638	1.0460	66.1187	0.1198		9.2705	9.2705		9.2705	9.2705	972.0106	407.6471	1,379.6576	0.8970	0.0765	1,424.8666
Landscaping	0.0873	0.0333	2.8907	1.5000e-004		0.0160	0.0160		0.0160	0.0160		5.1993	5.1993	5.0200e-003		5.3247
Total	**55.2153**	**1.0794**	**69.0094**	**0.1199**		**9.2865**	**9.2865**		**9.2865**	**9.2865**	**972.0106**	**412.8464**	**1,384.8570**	**0.9020**	**0.0765**	**1,430.1914**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2160					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3482					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	53.5638	1.0460	66.1187	0.1198		9.2705	9.2705		9.2705	9.2705	972.0106	407.6471	1,379.6576	0.8970	0.0765	1,424.8666
Landscaping	0.0873	0.0333	2.8907	1.5000e-004		0.0160	0.0160		0.0160	0.0160		5.1993	5.1993	5.0200e-003		5.3247
Total	**55.2153**	**1.0794**	**69.0094**	**0.1199**		**9.2865**	**9.2865**		**9.2865**	**9.2865**	**972.0106**	**412.8464**	**1,384.8570**	**0.9020**	**0.0765**	**1,430.1914**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Sierra Vista JM-40 Subdivision

Placer-Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	35.00	Dwelling Unit	5.70	63,000.00	100

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	74
Climate Zone	2			**Operational Year**	2022
Utility Company	Roseville Electric				
CO2 Intensity (lb/MWhr)	793.8	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Start of construction and operational year are estimated.

Land Use - Lot acreage based on proposed site plan.

Energy Use -

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	11.36	5.70

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.9532	40.5315	21.9691	0.0400	18.2141	2.0454	20.2595	9.9699	1.8818	11.8516	0.0000	3,866.4204	3,866.4204	1.1953	0.0000	3,892.8603
2022	39.6354	16.0476	16.7572	0.0291	0.1339	0.8105	0.9444	0.0361	0.7626	0.7987	0.0000	2,774.7408	2,774.7408	0.7164	0.0000	2,790.2174
Maximum	**39.6354**	**40.5315**	**21.9691**	**0.0400**	**18.2141**	**2.0454**	**20.2595**	**9.9699**	**1.8818**	**11.8516**	**0.0000**	**3,866.4204**	**3,866.4204**	**1.1953**	**0.0000**	**3,892.8603**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.9532	40.5315	21.9691	0.0400	18.2141	2.0454	20.2595	9.9699	1.8818	11.8516	0.0000	3,866.4204	3,866.4204	1.1953	0.0000	3,892.8603
2022	39.6354	16.0476	16.7572	0.0291	0.1339	0.8105	0.9444	0.0361	0.7626	0.7987	0.0000	2,774.7408	2,774.7408	0.7164	0.0000	2,790.2174
Maximum	**39.6354**	**40.5315**	**21.9691**	**0.0400**	**18.2141**	**2.0454**	**20.2595**	**9.9699**	**1.8818**	**11.8516**	**0.0000**	**3,866.4204**	**3,866.4204**	**1.1953**	**0.0000**	**3,892.8603**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	55.2153	1.0794	69.0094	0.1199		9.2865	9.2865		9.2865	9.2865	972.0106	412.8464	1,384.8570	0.9020	0.0765	1,430.1914
Energy	0.0267	0.2283	0.0972	1.4600e-003		0.0185	0.0185		0.0185	0.0185		291.4470	291.4470	5.5900e-003	5.3400e-003	293.1789
Mobile	0.6860	4.0131	7.1906	0.0285	2.1212	0.0225	2.1437	0.5685	0.0212	0.5896		2,890.5649	2,890.5649	0.1020		2,893.1148
Total	**55.9281**	**5.3208**	**76.2971**	**0.1499**	**2.1212**	**9.3274**	**11.4486**	**0.5685**	**9.3261**	**9.8946**	**972.0106**	**3,594.8582**	**4,566.8688**	**1.0096**	**0.0818**	**4,616.4850**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	55.2153	1.0794	69.0094	0.1199		9.2865	9.2865		9.2865	9.2865	972.0106	412.8464	1,384.8570	0.9020	0.0765	1,430.1914
Energy	0.0267	0.2283	0.0972	1.4600e-003		0.0185	0.0185		0.0185	0.0185		291.4470	291.4470	5.5900e-003	5.3400e-003	293.1789
Mobile	0.6860	4.0131	7.1906	0.0285	2.1212	0.0225	2.1437	0.5685	0.0212	0.5896		2,890.5649	2,890.5649	0.1020		2,893.1148
Total	**55.9281**	**5.3208**	**76.2971**	**0.1499**	**2.1212**	**9.3274**	**11.4486**	**0.5685**	**9.3261**	**9.8946**	**972.0106**	**3,594.8582**	**4,566.8688**	**1.0096**	**0.0818**	**4,616.4850**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/1/2021	3/26/2021	5	20	
2	Site Preparation	Site Preparation	3/27/2021	4/9/2021	5	10	
3	Grading	Grading	4/10/2021	5/7/2021	5	20	
4	Building Construction	Building Construction	5/8/2021	3/25/2022	5	230	
5	Paving	Paving	3/26/2022	4/22/2022	5	20	
6	Architectural Coating	Architectural Coating	4/23/2022	5/20/2022	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 127,575; Residential Outdoor: 42,525; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Sierra Vista JM-40 Subdivision - Placer-Sacramento County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	13.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**		**1.5513**	**1.5513**		**1.4411**	**1.4411**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0542	0.0287	0.4041	1.1900e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		118.4754	118.4754	2.7000e-003		118.5430
Total	**0.0542**	**0.0287**	**0.4041**	**1.1900e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**118.4754**	**118.4754**	**2.7000e-003**		**118.5430**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**		**1.5513**	**1.5513**		**1.4411**	**1.4411**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0542	0.0287	0.4041	1.1900e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		118.4754	118.4754	2.7000e-003		118.5430
Total	**0.0542**	**0.0287**	**0.4041**	**1.1900e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**118.4754**	**118.4754**	**2.7000e-003**		**118.5430**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0650	0.0344	0.4849	1.4300e-003	0.1479	9.1000e-004	0.1488	0.0392	8.4000e-004	0.0401		142.1705	142.1705	3.2400e-003		142.2516
Total	**0.0650**	**0.0344**	**0.4849**	**1.4300e-003**	**0.1479**	**9.1000e-004**	**0.1488**	**0.0392**	**8.4000e-004**	**0.0401**		**142.1705**	**142.1705**	**3.2400e-003**		**142.2516**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0650	0.0344	0.4849	1.4300e-003	0.1479	9.1000e-004	0.1488	0.0392	8.4000e-004	0.0401		142.1705	142.1705	3.2400e-003		142.2516
Total	**0.0650**	**0.0344**	**0.4849**	**1.4300e-003**	**0.1479**	**9.1000e-004**	**0.1488**	**0.0392**	**8.4000e-004**	**0.0401**		**142.1705**	**142.1705**	**3.2400e-003**		**142.2516**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	**2.2903**	**24.7367**	**15.8575**	**0.0296**	**6.5523**	**1.1599**	**7.7123**	**3.3675**	**1.0671**	**4.4346**		**2,871.9285**	**2,871.9285**	**0.9288**		**2,895.1495**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0542	0.0287	0.4041	1.1900e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		118.4754	118.4754	2.7000e-003		118.5430
Total	**0.0542**	**0.0287**	**0.4041**	**1.1900e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**118.4754**	**118.4754**	**2.7000e-003**		**118.5430**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	**2.2903**	**24.7367**	**15.8575**	**0.0296**	**6.5523**	**1.1599**	**7.7123**	**3.3675**	**1.0671**	**4.4346**	**0.0000**	**2,871.9285**	**2,871.9285**	**0.9288**		**2,895.1495**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0542	0.0287	0.4041	1.1900e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		118.4754	118.4754	2.7000e-003		118.5430
Total	**0.0542**	**0.0287**	**0.4041**	**1.1900e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**118.4754**	**118.4754**	**2.7000e-003**		**118.5430**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0470	0.0249	0.3502	1.0300e-003	0.1068	6.6000e-004	0.1075	0.0283	6.1000e-004	0.0289		102.6787	102.6787	2.3400e-003		102.7373
Total	**0.0590**	**0.4561**	**0.4257**	**2.2000e-003**	**0.1339**	**1.6400e-003**	**0.1355**	**0.0361**	**1.5500e-003**	**0.0377**		**225.1633**	**225.1633**	**7.6500e-003**		**225.3546**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0470	0.0249	0.3502	1.0300e-003	0.1068	6.6000e-004	0.1075	0.0283	6.1000e-004	0.0289		102.6787	102.6787	2.3400e-003		102.7373
Total	**0.0590**	**0.4561**	**0.4257**	**2.2000e-003**	**0.1339**	**1.6400e-003**	**0.1355**	**0.0361**	**1.5500e-003**	**0.0377**		**225.1633**	**225.1633**	**7.6500e-003**		**225.3546**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0112	0.4095	0.0701	1.1600e-003	0.0271	8.4000e-004	0.0279	7.8000e-003	8.0000e-004	8.6000e-003		121.4942	121.4942	5.0200e-003		121.6196
Worker	0.0439	0.0224	0.3237	9.9000e-004	0.1068	6.5000e-004	0.1074	0.0283	5.9000e-004	0.0289		98.9130	98.9130	2.1100e-003		98.9656
Total	**0.0551**	**0.4319**	**0.3938**	**2.1500e-003**	**0.1339**	**1.4900e-003**	**0.1354**	**0.0361**	**1.3900e-003**	**0.0375**		**220.4072**	**220.4072**	**7.1300e-003**		**220.5852**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0112	0.4095	0.0701	1.1600e-003	0.0271	8.4000e-004	0.0279	7.8000e-003	8.0000e-004	8.6000e-003		121.4942	121.4942	5.0200e-003		121.6196
Worker	0.0439	0.0224	0.3237	9.9000e-004	0.1068	6.5000e-004	0.1074	0.0283	5.9000e-004	0.0289		98.9130	98.9130	2.1100e-003		98.9656
Total	**0.0551**	**0.4319**	**0.3938**	**2.1500e-003**	**0.1339**	**1.4900e-003**	**0.1354**	**0.0361**	**1.3900e-003**	**0.0375**		**220.4072**	**220.4072**	**7.1300e-003**		**220.5852**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0507	0.0258	0.3735	1.1500e-003	0.1232	7.5000e-004	0.1240	0.0327	6.9000e-004	0.0334		114.1304	114.1304	2.4300e-003		114.1911
Total	**0.0507**	**0.0258**	**0.3735**	**1.1500e-003**	**0.1232**	**7.5000e-004**	**0.1240**	**0.0327**	**6.9000e-004**	**0.0334**		**114.1304**	**114.1304**	**2.4300e-003**		**114.1911**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0507	0.0258	0.3735	1.1500e-003	0.1232	7.5000e-004	0.1240	0.0327	6.9000e-004	0.0334		114.1304	114.1304	2.4300e-003		114.1911
Total	**0.0507**	**0.0258**	**0.3735**	**1.1500e-003**	**0.1232**	**7.5000e-004**	**0.1240**	**0.0327**	**6.9000e-004**	**0.0334**		**114.1304**	**114.1304**	**2.4300e-003**		**114.1911**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	39.4207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**39.6252**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0101	5.1700e-003	0.0747	2.3000e-004	0.0246	1.5000e-004	0.0248	6.5400e-003	1.4000e-004	6.6700e-003		22.8261	22.8261	4.9000e-004		22.8382
Total	**0.0101**	**5.1700e-003**	**0.0747**	**2.3000e-004**	**0.0246**	**1.5000e-004**	**0.0248**	**6.5400e-003**	**1.4000e-004**	**6.6700e-003**		**22.8261**	**22.8261**	**4.9000e-004**		**22.8382**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	39.4207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**39.6252**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0101	5.1700e-003	0.0747	2.3000e-004	0.0246	1.5000e-004	0.0248	6.5400e-003	1.4000e-004	6.6700e-003		22.8261	22.8261	4.9000e-004		22.8382
Total	**0.0101**	**5.1700e-003**	**0.0747**	**2.3000e-004**	**0.0246**	**1.5000e-004**	**0.0248**	**6.5400e-003**	**1.4000e-004**	**6.6700e-003**		**22.8261**	**22.8261**	**4.9000e-004**		**22.8382**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6860	4.0131	7.1906	0.0285	2.1212	0.0225	2.1437	0.5685	0.0212	0.5896		2,890.5649	2,890.5649	0.1020		2,893.1148
Unmitigated	0.6860	4.0131	7.1906	0.0285	2.1212	0.0225	2.1437	0.5685	0.0212	0.5896		2,890.5649	2,890.5649	0.1020		2,893.1148

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	333.20	346.85	301.70	947,161	947,161
Total	333.20	346.85	301.70	947,161	947,161

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.499712	0.039404	0.220288	0.124864	0.021993	0.006021	0.030614	0.046741	0.001428	0.001188	0.005840	0.000765	0.001142

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0267	0.2283	0.0972	1.4600e-003		0.0185	0.0185		0.0185	0.0185		291.4470	291.4470	5.5900e-003	5.3400e-003	293.1789
NaturalGas Unmitigated	0.0267	0.2283	0.0972	1.4600e-003		0.0185	0.0185		0.0185	0.0185		291.4470	291.4470	5.5900e-003	5.3400e-003	293.1789

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	2477.3	0.0267	0.2283	0.0972	1.4600e-003		0.0185	0.0185		0.0185	0.0185		291.4470	291.4470	5.5900e-003	5.3400e-003	293.1789
Total		**0.0267**	**0.2283**	**0.0972**	**1.4600e-003**		**0.0185**	**0.0185**		**0.0185**	**0.0185**		**291.4470**	**291.4470**	**5.5900e-003**	**5.3400e-003**	**293.1789**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	2.4773	0.0267	0.2283	0.0972	1.4600e-003		0.0185	0.0185		0.0185	0.0185		291.4470	291.4470	5.5900e-003	5.3400e-003	293.1789
Total		**0.0267**	**0.2283**	**0.0972**	**1.4600e-003**		**0.0185**	**0.0185**		**0.0185**	**0.0185**		**291.4470**	**291.4470**	**5.5900e-003**	**5.3400e-003**	**293.1789**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	55.2153	1.0794	69.0094	0.1199		9.2865	9.2865		9.2865	9.2865	972.0106	412.8464	1,384.8570	0.9020	0.0765	1,430.1914
Unmitigated	55.2153	1.0794	69.0094	0.1199		9.2865	9.2865		9.2865	9.2865	972.0106	412.8464	1,384.8570	0.9020	0.0765	1,430.1914

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2160					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3482					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	53.5638	1.0460	66.1187	0.1198		9.2705	9.2705		9.2705	9.2705	972.0106	407.6471	1,379.6576	0.8970	0.0765	1,424.8666
Landscaping	0.0873	0.0333	2.8907	1.5000e-004		0.0160	0.0160		0.0160	0.0160		5.1993	5.1993	5.0200e-003		5.3247
Total	**55.2153**	**1.0794**	**69.0094**	**0.1199**		**9.2865**	**9.2865**		**9.2865**	**9.2865**	**972.0106**	**412.8464**	**1,384.8570**	**0.9020**	**0.0765**	**1,430.1914**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2160					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3482					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	53.5638	1.0460	66.1187	0.1198		9.2705	9.2705		9.2705	9.2705	972.0106	407.6471	1,379.6576	0.8970	0.0765	1,424.8666
Landscaping	0.0873	0.0333	2.8907	1.5000e-004		0.0160	0.0160		0.0160	0.0160		5.1993	5.1993	5.0200e-003		5.3247
Total	**55.2153**	**1.0794**	**69.0094**	**0.1199**		**9.2865**	**9.2865**		**9.2865**	**9.2865**	**972.0106**	**412.8464**	**1,384.8570**	**0.9020**	**0.0765**	**1,430.1914**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

ADDENDUM ATTACHMENT 6

Environmental Noise Assessment

Sierra Vista Residential Development
Phases A1, A2, and B

Roseville, California

BAC Job # 2018-138

Prepared For:

John Mourier Construction, Inc.

Attn: Mr. Steve Schnable
1430 Blue Oaks Blvd., Ste. 190
Roseville, CA 95747

Prepared By:

Bollard Acoustical Consultants, Inc.

Paul Bollard, President

August 22, 2018

BOLLARD
Acoustical Consultants

Introduction

Phases A1, A2, and B of the Sierra Vista Residential Development are located west of Fiddyment Road, north of Baseline Road, south of Pleasant Grove Boulevard, and east of the future Market Street extension in the City of Roseville, California. The project proposes the development of 1330 total residential lots on currently undeveloped land. The project area is provided as Figure 1. The site plan for Phases A1 and A2, consisting of Villages JM-01, JM-02, JM-03, JM-04, JM-20, JM-21, JM-30, JM-40, is provided as Figure 2. The site plan for Phase B, consisting of Villages FD-06 and FD-07, is provided as Figure 3.

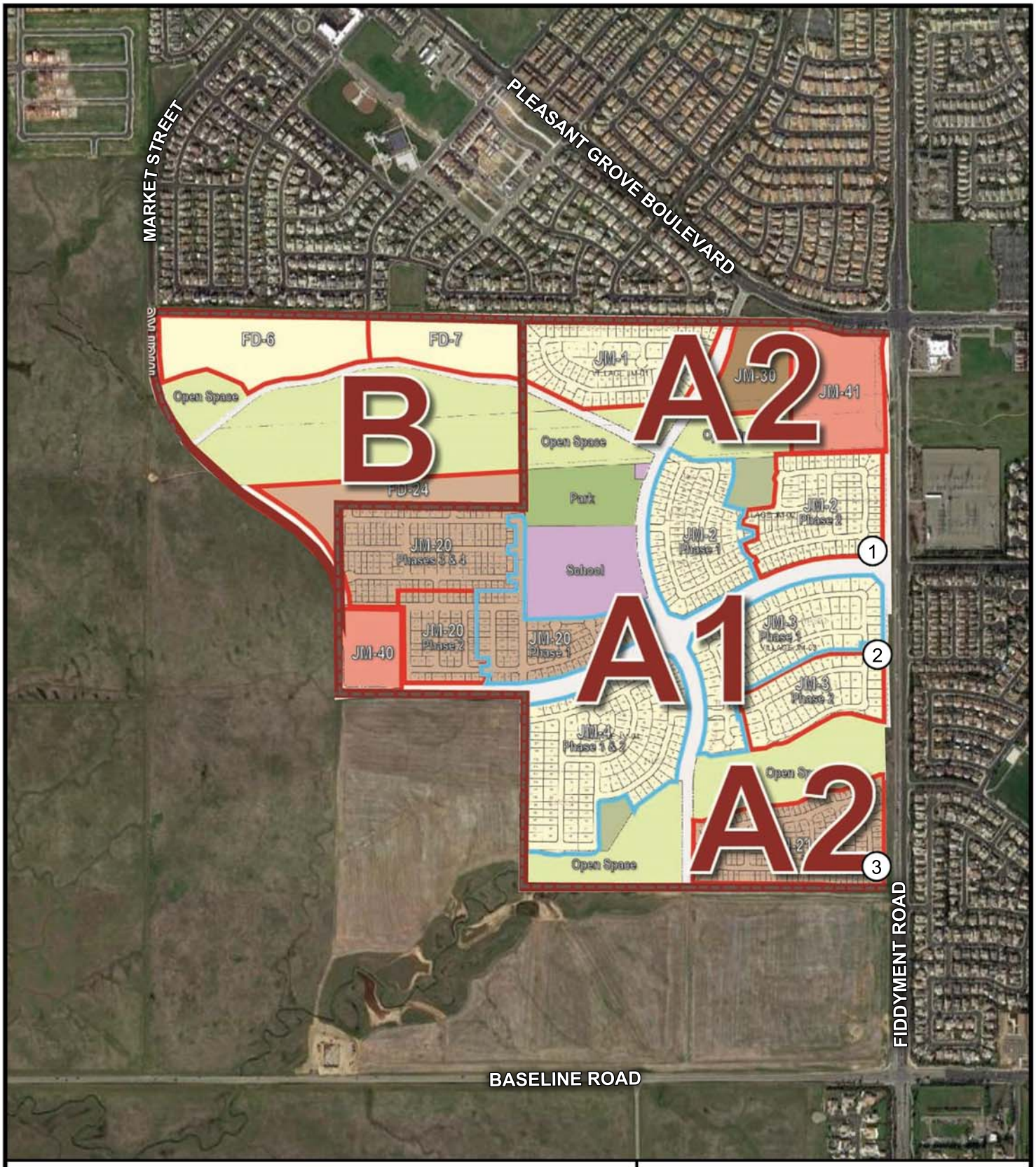
Due to the proximity of the residential uses of the proposed project to the existing and future (internal) roadways, BAC was retained by the project applicant to prepare this analysis. Specifically, the purposes of this analysis are to quantify noise levels associated with traffic on Fiddyment Road, Market Drive, Upland Drive, Vista Grande Boulevard, and compare those levels against the applicable City of Roseville and Sierra Vista Specific Plan noise standards for acceptable noise exposure.

Noise Fundamentals and Terminology

Noise is often described as unwanted sound. Sound is defined as any pressure variation in air that the human ear can detect. If the pressure variations occur frequently enough (at least 20 times per second), they can be heard, and thus are called sound. Measuring sound directly in terms of pressure would require a very large and awkward range of numbers. To avoid this, the decibel scale was devised. The decibel scale allows a million-fold increase in pressure to be expressed as 120 dB. Another useful aspect of the decibel scale is that changes in levels (dB) correspond closely to human perception of relative loudness. Appendix A contains definitions of Acoustical Terminology. Figure 4 shows common noise levels associated with various sources.

The perceived loudness of sounds is dependent upon many factors, including sound pressure level and frequency content. However, within the usual range of environmental noise levels, perception of loudness is relatively predictable, and can be approximated by weighing the frequency response of a sound level meter by means of the standardized A-weighing network. There is a strong correlation between A-weighted sound levels (expressed as dBA) and community response to noise. For this reason, the A-weighted sound level has become the standard tool of environmental noise assessment. All noise levels reported in this section are in terms of A-weighted levels in decibels.

Community noise is commonly described in terms of the “ambient” noise level, which is defined as the all-encompassing noise level associated with a given noise environment. A common statistical tool to measure the ambient noise level is the average, or equivalent, sound level (L_{eq}) over a given time period (usually one hour). The L_{eq} is the foundation of the Day-Night Average Level noise descriptor, L_{dn}, and shows very good correlation with community response to noise.



Legend

Project Border (Approximate)

(#) Short-Term Noise Level Measurement Locations

N

Scale (feet)

0 500 1,000

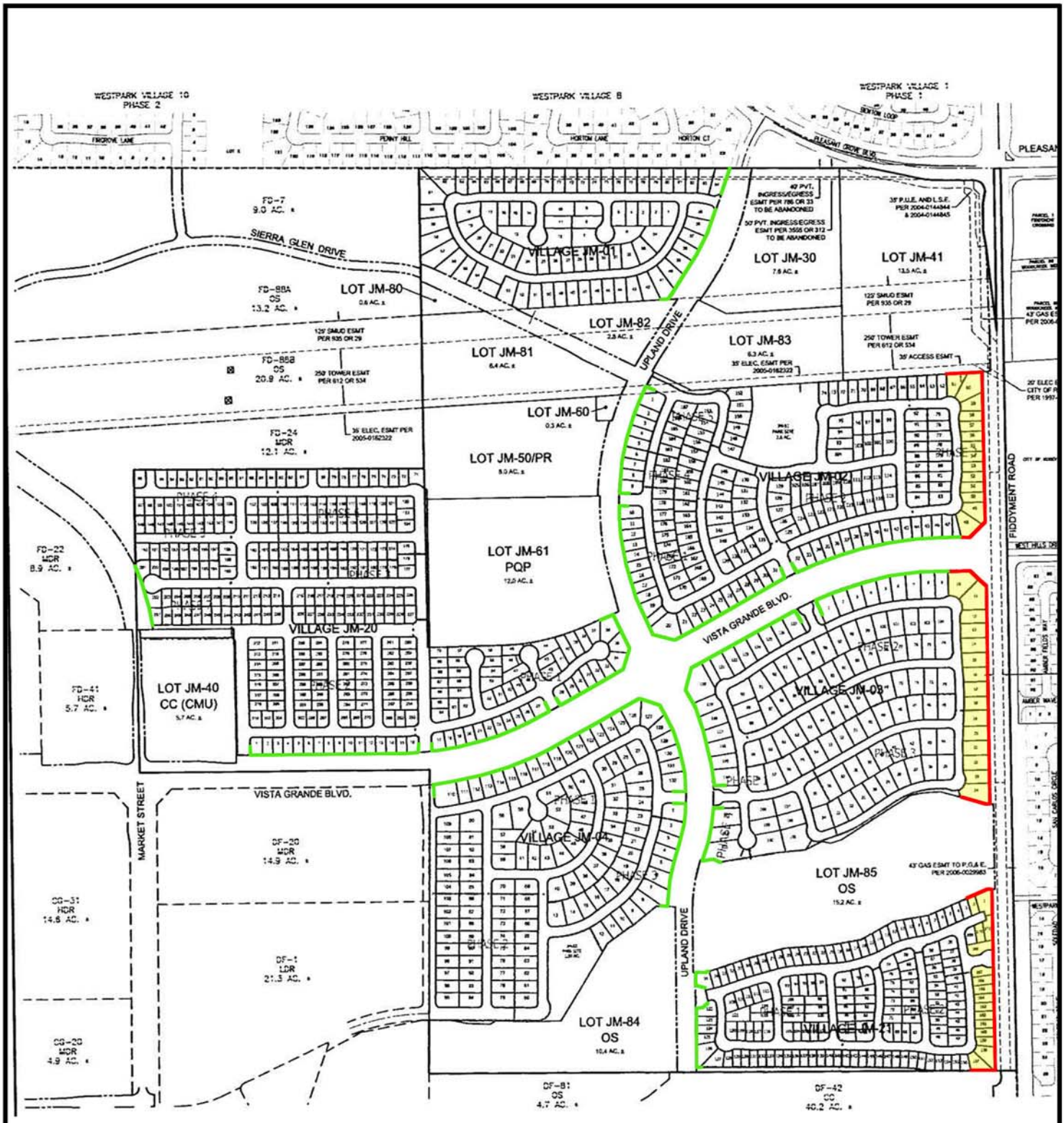
Sierra Vista Residential Development
Phases A1, A2, & B

Roseville, Calfornia

Project Area

Figure 1

BOLLARD Acoustical Consultants



Legend

- Proposed 7-Foot Tall Noise Barriers
- Proposed 6-Foot Tall Noise Barriers
- Recommended Upper-Floor STC 32 Windows

N

Scale (feet)

0 300 600

Sierra Vista Residential Development
Phases A1, A2, & B

Roseville, Calfornia

Site Plan - Phases A1 & A2

Figure 2

BOLLARD Acoustical Consultants



Legend

Proposed 6-Foot Tall Noise Barriers

N

Scale (feet)

0 200 400

Sierra Vista Residential Development
Phases A1, A2, & B

Roseville, Calfornia

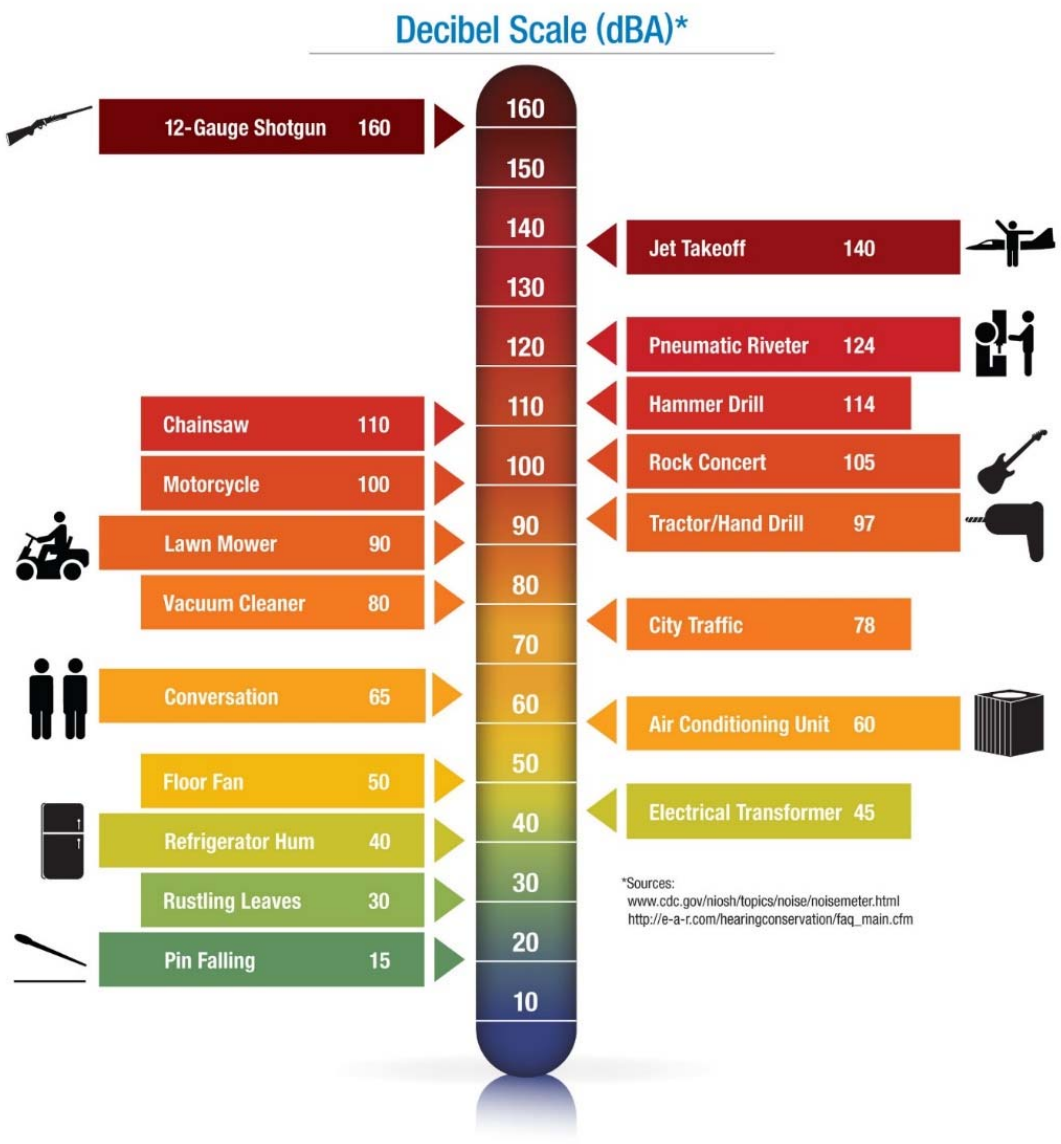
Site Plan - Phase B

Figure 3

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The Day-Night Average Level (L_{dn}) is based upon the average noise level over a 24-hour day, with a +10 decibel weighing applied to noise occurring during nighttime (10:00 p.m. to 7:00 a.m.) hours. The nighttime penalty is based upon the assumption that people react to nighttime noise exposures as though they were twice as loud as daytime exposures. Because L_{dn} represents a 24-hour average, it tends to disguise short-term variations in the noise environment. L_{dn}-based noise standards are commonly used to assess noise impacts associated with traffic, railroad and aircraft noise sources.

Figure 4
Typical A-Weighted Sound Levels of Common Noise Sources



Criteria for Acceptable Noise Exposure

City of Roseville General Plan 2035

The Noise Element of the Roseville General Plan 2035 contains goals and policies intended to protect city residents from the harmful and annoying effects of exposure to excessive noise. The General Plan policies which would be applicable to this project are reproduced below:

Transportation Noise Sources

Policy 1 Allow the development of new noise-sensitive land uses (which include but are not limited to residential, schools, and hospitals) only in areas exposed to existing or projected levels of noise from transportation noise sources which satisfy the levels specified in Table 1. Noise mitigation measures may be required to reduce noise in outdoor activity areas and interior spaces to the levels specified in Table 1.

Recognizing that in increasingly urban areas it is difficult to maintain suburban noise standards, and in order to facilitate the City's goals to encourage reinvestment and economic development in the Riverside and Downtown Specific Plan areas, the City may elect to allow new noise-sensitive land uses on a case by case basis in proximity to transportation sources. Noise mitigation, including an acoustical analysis, would be required to reduce interior space noise levels to the standards specified in Table 1. Exterior noise levels would require mitigation to the extent feasible using building orientation, construction and design features; however ultimately, noise levels may exceed the noise standards identified in Table 1.

Policy 2 Require new roadway improvement projects to be mitigated so as not to exceed the noise levels specified in Table 1 at outdoor activity areas or interior spaces of existing noise-sensitive land uses.

Policy 3 Evaluate new transportation projects, such as light and heavy rail, using the standards contained in Table 1. However, noise from these projects may be allowed to exceed the standards contained in Table 1 if the City Council finds that there are special overriding circumstances.

Policy 4 Require an acoustical analysis where:

a. Noise sensitive land uses are proposed in areas exposed to existing or projected noise levels exceeding the levels specified in Table 1;

b. Proposed transportation noise source projects are likely to produce noise levels exceeding the levels specified in Table 1 at existing or planned noise-sensitive uses.

An acoustical analysis shall be required as part of the environmental review process so that noise mitigation may be considered in the project design.

Policy 5 Work in cooperation with Caltrans and the Union Pacific Transportation Company to maintain noise level standards for both new and existing projects in compliance with Table 1.

Table 1
Maximum Allowable Noise Exposure - Transportation Noise Sources
City of Roseville General Plan Noise Element

	Outdoor Activity Areas[1]	Interior Spaces	
Land Use	**L_{dn}/CNEL, dB**	**L_{dn}/CNEL, dB**	**L_{eq}, dB[2]**
Residential	60[3]	45	--
Transient lodging	60[3]	45	--
Hospitals, nursing homes	60[3]	45	--
Theaters, auditoriums, music halls	--	--	35
Churches, meeting halls	60[3]	--	40
Office buildings	65	--	45
Schools, libraries, museums	--	--	45
Playgrounds, neighborhood parks	70	--	--

[1] Outdoor activity areas for residential developments are considered to be the back yard patios or decks of single family dwelling, and the patios or common areas where people generally congregate for multi-family development.
Outdoor activity areas for non-residential developments are considered to be those common areas where people generally congregate, including pedestrian plazas, seating areas and outside lunch facilities.
Where the location of outdoor activity areas is unknown, the exterior noise level standard shall be applied to the property line of the receiving land use.

[2] As determined for a typical worst case hour during periods of use.

[3] Where it is not possible to reduce noise in outdoor activity areas to 60 dB Ldn/CNEL or less using a practical application of the best-available noise reduction measures, an exterior noise level of up to 75 dB Ldn/CNEL may be allowed provided that available exterior noise level reduction measures have been implemented and interior noise levels are in compliance with this table.

Note: Where a proposed use is not specifically listed on this table, the use shall comply with the noise exposure standards for the nearest similar use as determined by the Planning Department. Commercial and industrial uses have not been listed because such uses are not considered to be particularly sensitive to noise exposure.

-- = not applicable

Ldn = Day-Night Average Sound Level

CNEL = Community Noise Equivalent Level

dB = Decibels

Leq = Noise Equivalent Level

Source: City of Roseville General Plan

Sierra Vista Specific Plan Final EIR

The Sierra Vista Specific Plan Final EIR (May 2010) contains mitigation measures intended to protect future city residents from the harmful and annoying effects of exposure to excessive noise. The transportation noise related mitigation measures of the specific plan are reproduced below:

WMM 4.5-8 ***On-site Traffic Noise Attenuation (Impact 4.6-6 SVSP and Urban Reserve)***

The project developer shall demonstrate through an acoustical study that residences along roadways will be subject to noise levels consistent with the City's standards. The standards could be achieved through a combination of setbacks, sound walls or other barriers, building orientation or other measures. An acoustical analysis shall be required to demonstrate that these measures will result in acceptable noise levels.

WMM 4.5-10 ***On-site Traffic Noise Policies (Impact 4.6-6 and 4.6-8 Urban Reserve)***

Specific Plans and/or other development proposals in the Remainder Area Urban Reserve shall include policies and/or conditions that require that residential development adjacent to roadways will be subject to traffic noise levels that fall within City standards. The standards could be achieved through a combination of setbacks, sound walls or other barriers, building orientation or other measures. An acoustical analysis shall be required to demonstrate that these measures will result in acceptable noise levels.

MM 4.6- 4: ***Traffic Noise Attenuation (Impact 4.6-6 and 4.6-8 SVSP)***

MM 4.6-4(a): Masonry walls and/or landscaped berms shall be constructed along the major project-area roadways adjacent to proposed residential uses if acoustical studies warrant sound attenuation, otherwise standard wood fencing is acceptable. Draft EIR Table 4.6-10 data shall be consulted to determine appropriate barrier heights. If the assumptions shown in Table 4.6-10 vary considerably, a detailed analysis of exterior and interior mitigation measures should be conducted when tentative maps become available.

MM 4.6-4(b): In areas requiring sound attenuation, noise barrier walls shall be constructed of concrete panels, concrete masonry units, earthen berms, or any combination of these materials. Wood is not recommended for construction due to eventual warping and degradation of acoustical performance.

MM 4.6-4(c): Tentative map applications for residential uses located along Fiddyment Road would be required to include an analysis of interior noise levels. The report shall be conducted by a qualified acoustical engineer and shall specify the measures required to achieve compliance with the City of Roseville 45 dB L_{dn} interior noise level standard.

Evaluation of Future Traffic Noise Environment at Project Site

Traffic Noise Prediction Methodology

The Federal Highway Administration Highway Traffic Noise Prediction Model (FHWA-RD-77-108) was used to predict traffic noise levels at the project site. The model is based upon the CALVENO noise emission factors for automobiles, medium trucks and heavy trucks, with consideration given to vehicle volume, speed, roadway configuration, distance to the receiver, and the acoustical characteristics of the site. The FHWA Model was developed to predict hourly L_{eq} values for free flowing traffic conditions, and is considered to be accurate within 1.5 dB in most situations.

Traffic Noise Prediction Model Calibration (Fiddyment Road)

The FHWA Model provides reasonably accurate traffic noise predictions under “ideal” roadway conditions. Ideal conditions are generally considered to be long straight roadway segments with uniform vehicle speeds, a flat roadway surface, good pavement conditions, a statistically large volume of traffic, and an unimpeded view of the roadway from the receiver location. Such conditions appeared to be in effect at this site. Nonetheless, Bollard Acoustical Consultants, Inc. conducted a calibration of the FHWA Model through site-specific traffic noise level measurements and concurrent traffic counts at three locations along Fiddyment Road.

The short-term traffic noise calibration sites are shown on Figure 1. The sites were selected to be representative of the noise exposure of the proposed lots nearest to Fiddyment Road. The detailed results of this procedure are provided in Appendix B. The FHWA Model was found to reasonably predict Fiddyment Road traffic noise levels. As a result, no calibration adjustment was applied to the FHWA Model for the prediction of future Fiddyment Road traffic noise levels at the project site.

Predicted Future Exterior Traffic Noise Levels at Proposed Residences

The FHWA Model was used with future traffic volumes cited in the Sierra Vista Specific Plan FEIR to predict future Fiddyment Road, Market Drive, Upland Drive, and Vista Grande Boulevard traffic noise levels at the proposed residences. The FHWA Model inputs and predicted future traffic noise levels at the project site are shown in Appendix C. The predicted future traffic noise levels are summarized in Table 2. The Table 2 results take into consideration the shielding provided by the proposed 7-foot tall solid noise barriers along the backyards located adjacent to Fiddyment Road and the proposed 6-foot tall solid noise barriers along the backyards of the homes located adjacent to Market Drive, Upland Drive, and Vista Grande Boulevard. The noise barrier effectiveness worksheets for the project are provided in Appendix D.

Table 2
Predicted Future Exterior Traffic Noise Levels
Sierra Vista Residential Development Phase A1, A2, B – Roseville, California

Roadway	Description	Distance to Roadway Centerline (feet)	Offset (dB)[1]	Noise Level (dB L_{dn})[2,3]
Fiddyment Road	Nearest backyards	80	0	65
	First-floor building facades	100	0	65
	Upper-level building facades	100	+3	74
Market Drive	Nearest backyards	60	0	50
	First-floor building facades	70	0	50
	Upper-level building facades	70	+3	59
Upland Drive	Nearest backyards	60	0	53
	First-floor building facades	70	0	53
	Upper-level building facades	70	+3	61
Vista Grande Boulevard	Nearest backyards	70	0	56
	First-floor building facades	80	0	56
	Upper-level building facades	80	+3	65

Notes:

[1] A +3 dB offset was applied to the upper-floor facades due to reduced ground absorption at elevated floor levels.

[2] Detailed FHWA Model inputs and results provided in Appendix C.

[3] Predicted future traffic noise levels take into account 7-foot tall solid noise barriers along Fiddyment Road and 6-foot tall noise barriers along Marking Drive, Upland Drive, and Vista Grande Boulevard. Noise barrier effectiveness worksheets provided in Appendix D.

Source: Bollard Acoustical Consultants, Inc. (2018)

Traffic Noise Mitigation for Outdoor Activity Areas

As indicated in Table 2, future traffic noise levels at the proposed outdoor activity areas (backyards) nearest to Market Drive, Upland Drive, and Vista Grande Boulevard are predicted to satisfy the City of Roseville normally acceptable noise level standard of 60 dB L_{dn}. As a result, no further consideration of noise mitigation measures would be warranted for the proposed residences located nearest to Market Drive, Upland Drive and Vista Grande Boulevard.

The Table 2 results indicate that future traffic noise levels at the proposed outdoor activity areas nearest to Fiddyment Road are predicted to be 65 dB L_{dn} after construction of the proposed 7-foot tall solid noise barriers. The proposed 7-foot tall noise barriers along Fiddyment would be compatible with existing noise barriers heights along Fiddyment Road and would result in future exterior traffic noise levels that are predicted to satisfy the City's conditionally acceptable exterior noise level standards.

Predicted Future Interior Traffic Noise Levels within Proposed Residences

Standard residential construction (stucco siding, STC-27 windows, door weather-stripping, exterior wall insulation, composition plywood roof), results in an exterior to interior noise reduction of at least 25 dB with windows closed and approximately 15 dB with windows open. Therefore, provided future traffic noise levels do not exceed 70 dB L_{dn} at exterior building facades, standard construction would be adequate to ensure compliance with the City of Roseville General Plan 45 dB L_{dn} interior noise level standard.

Future traffic noise levels at the first-floor building facades nearest to Fiddyment Road are not predicted to exceed 70 dB L_{dn}. Therefore, standard construction would be adequate to ensure compliance with the City of Roseville General Plan 45 dB L_{dn} interior noise level standard at the first-floor facades nearest to Fiddyment Road. However, at unshielded upper-floor facades, future exterior traffic noise levels are predicted to be 74 dB L_{dn}. In order to satisfy the City's 45 dB L_{dn} interior noise level standard, it is recommended that those upper-floor windows with a view of Fiddyment Road maintain a minimum STC rating of 32. The locations of the lots requiring upgraded upper-floor window STC ratings are illustrated on Figure 2.

As indicated in Table 2, future traffic noise levels at the building facades nearest to the interior project roadways (Market Drive, Upland Drive, and Vista Grande Boulevard) are not predicted to exceed 70 dB L_{dn}. Therefore, standard construction would be adequate to ensure compliance with the City of Roseville General Plan 45 dB L_{dn} interior noise level standard within the residences adjacent to the interior roadways. Nonetheless, mechanical ventilation (air conditioning) should be provided for all residences in this development to allow the occupants to close doors and windows as desired for additional acoustical isolation.

Conclusions

Future exterior and interior traffic noise levels at Phases A1, A2, and B of the Sierra Vista Residential Development portions are predicted to be in compliance with the City of Roseville General Plan Noise Element and the Sierra Vista Specific Plan provided the following specific noise mitigation measures are implemented into the project design:

Exterior Noise Environment

1) The construction, as proposed, of 6-foot tall solid noise barriers along the property boundaries of the lots adjacent to Market Drive, Upland Drive, and Vista Grande Boulevard would result in satisfaction of the City's 60 dB L_{dn} normally acceptable exterior noise standard. See Figures 2 and 3 for sound wall locations.

2) The construction, as proposed, of 7-foot tall solid noise barriers along the property boundaries of the lots adjacent to Fiddyment Road would result in satisfaction of the City's 75 dB L_{dn} conditionally acceptable exterior noise standard. See Figures 2 and 3 for sound wall locations.

Interior Noise Environment

1) The upper-floor windows of the lots located nearest to Fiddyment Road should be upgraded to a minimum Sound Transmission Class rating of 32. The lots requiring window upgrades are highlighted on Figure 2.

2) A suitable form of forced-air mechanical ventilation shall be provided so that windows can be kept closed as desired for additional acoustical isolation.

These conclusions are based on the future traffic data cited in Appendix C, the project site plans shown on Figures 2 and 3, and on noise reduction data for standard residential dwellings and for typical STC rated window data. Deviations from the project site plan shown on Figures 2 and 3 could cause future traffic noise levels to differ from those predicted in this analysis. In addition, Bollard Acoustical Consultants, Inc. is not responsible for degradation in acoustic performance of the residential construction due to poor construction practices, failure to comply with applicable building code requirements, or for failure to adhere to the minimum building practices cited in this report.

This concludes BAC's noise assessment for the proposed Sierra Vista Residential Development (Phases A1, A2, and B) in Roseville, California. Please contact BAC at (916) 663-0500 or paulb@bacnoise.com with any questions regarding this assessment.

Appendix A

Acoustical Terminology

Acoustics	The science of sound.
Ambient Noise	The distinctive acoustical characteristics of a given space consisting of all noise sources audible at that location. In many cases, the term ambient is used to describe an existing or pre-project condition such as the setting in an environmental noise study.
Attenuation	The reduction of an acoustic signal.
A-Weighting	A frequency-response adjustment of a sound level meter that conditions the output signal to approximate human response.
Decibel or dB	Fundamental unit of sound, A Bell is defined as the logarithm of the ratio of the sound pressure squared over the reference pressure squared. A Decibel is one-tenth of a Bell.
CNEL	Community Noise Equivalent Level. Defined as the 24-hour average noise level with noise occurring during evening hours (7 - 10 p.m.) weighted by a factor of three and nighttime hours weighted by a factor of 10 prior to averaging.
Frequency	The measure of the rapidity of alterations of a periodic signal, expressed in cycles per second or hertz.
Ldn	Day/Night Average Sound Level. Similar to CNEL but with no evening weighting.
Leq	Equivalent or energy-averaged sound level.
Lmax	The highest root-mean-square (RMS) sound level measured over a given period of time.
Loudness	A subjective term for the sensation of the magnitude of sound.
Masking	The amount (or the process) by which the threshold of audibility is for one sound is raised by the presence of another (masking) sound.
Noise	Unwanted sound.
Peak Noise	The level corresponding to the highest (not RMS) sound pressure measured over a given period of time. This term is often confused with the Maximum level, which is the highest RMS level.
RT_{60}	The time it takes reverberant sound to decay by 60 dB once the source has been removed.
Sabin	The unit of sound absorption. One square foot of material absorbing 100% of incident sound has an absorption of 1 sabin.
SEL	A rating, in decibels, of a discrete event, such as an aircraft flyover or train passby, that compresses the total sound energy of the event into a 1-s time period.
Threshold of Hearing	The lowest sound that can be perceived by the human auditory system, generally considered to be 0 dB for persons with perfect hearing.
Threshold of Pain	Approximately 120 dB above the threshold of hearing.

Appendix B-1

FHWA Traffic Noise Prediction Model (FHWA-RD-77-108)
Calibration Worksheet

Project Information:	Job Number:	2018-138
	Project Name:	Sierra Vista Residential Development (A1, A2, B)
	Roadway Tested:	Fiddyment Road
	Test Location:	Site 1
	Test Date:	July 30, 2018
Weather Conditions:	Temperature (Fahrenheit):	96
	Relative Humidity:	25%
	Wind Speed and Direction:	SSW 3 mph
	Cloud Cover:	Partly Cloudy
Sound Level Meter:	Sound Level Meter:	LDL Model 820 (BAC #3)
	Calibrator:	LDL Model CAL200
	Meter Calibrated:	Immediately before
	Meter Settings:	A-weighted, slow response
Microphone:	Microphone Location:	On project site
	Distance to Centerline (feet):	100
	Microphone Height:	5 feet above ground
	Intervening Ground (Hard or Soft):	**Soft**
	Elevation Relative to Road (feet):	5
Roadway Condition:	Pavement Type	Asphalt
	Pavement Condition:	Good
	Number of Lanes:	5
	Posted Maximum Speed (mph):	50
Test Parameters:	Test Time:	3:46 PM
	Test Duration (minutes):	15
	Observed Number Automobiles:	500
	Observed Number Medium Trucks:	4
	Observed Number Heavy Trucks:	8
	Observed Average Speed (mph):	50
Model Calibration:	Measured Average Level (L_{eq}):	68.5
	Level Predicted by FHWA Model:	67.1
	Difference:	***-1.4 dB***

Conclusions: Measured traffic noise levels within 1 dB of predicted traffic noise levels. No model offset warranted.



Appendix B-2

FHWA Traffic Noise Prediction Model (FHWA-RD-77-108)
Calibration Worksheet

Project Information:	Job Number:	2018-138
	Project Name:	Sierra Vista Residential Development (A1, A2, B)
	Roadway Tested:	Fiddyment Road
	Test Location:	Site 2
	Test Date:	July 30, 2018
Weather Conditions:	Temperature (Fahrenheit):	96
	Relative Humidity:	25%
	Wind Speed and Direction:	SSW 3 mph
	Cloud Cover:	Partly Cloudy
Sound Level Meter:	Sound Level Meter:	LDL Model 820 (BAC #3)
	Calibrator:	LDL Model CAL200
	Meter Calibrated:	Immediately before
	Meter Settings:	A-weighted, slow response
Microphone:	Microphone Location:	On project site
	Distance to Centerline (feet):	100
	Microphone Height:	5 feet above ground
	Intervening Ground (Hard or Soft):	**Soft**
	Elevation Relative to Road (feet):	5
Roadway Condition:	Pavement Type	Asphalt
	Pavement Condition:	Good
	Number of Lanes:	5
	Posted Maximum Speed (mph):	50
Test Parameters:	Test Time:	4:03 PM
	Test Duration (minutes):	15
	Observed Number Automobiles:	537
	Observed Number Medium Trucks:	8
	Observed Number Heavy Trucks:	15
	Observed Average Speed (mph):	50
Model Calibration:	Measured Average Level (L_{eq}):	69.1
	Level Predicted by FHWA Model:	68.1
	Difference:	***-1.0 dB***

Conclusions: Measured traffic noise levels within 1 dB of predicted traffic noise levels. No model offset warranted.

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Appendix B-3

FHWA Traffic Noise Prediction Model (FHWA-RD-77-108)
Calibration Worksheet

Project Information:	Job Number:	2018-138
	Project Name:	Sierra Vista Residential Development (A1, A2, B)
	Roadway Tested:	Fiddyment Road
	Test Location:	Site 3
	Test Date:	July 30, 2018
Weather Conditions:	Temperature (Fahrenheit):	96
	Relative Humidity:	25%
	Wind Speed and Direction:	SSW 3 mph
	Cloud Cover:	Partly Cloudy
Sound Level Meter:	Sound Level Meter:	LDL Model 820 (BAC #3)
	Calibrator:	LDL Model CAL200
	Meter Calibrated:	Immediately before
	Meter Settings:	A-weighted, slow response
Microphone:	Microphone Location:	On project site
	Distance to Centerline (feet):	100
	Microphone Height:	5 feet above ground
	Intervening Ground (Hard or Soft):	**Soft**
	Elevation Relative to Road (feet):	5
Roadway Condition:	Pavement Type	Asphalt
	Pavement Condition:	Good
	Number of Lanes:	5
	Posted Maximum Speed (mph):	50
Test Parameters:	Test Time:	4:25 PM
	Test Duration (minutes):	15
	Observed Number Automobiles:	527
	Observed Number Medium Trucks:	7
	Observed Number Heavy Trucks:	7
	Observed Average Speed (mph):	50
Model Calibration:	Measured Average Level (L_{eq}):	66.2
	Level Predicted by FHWA Model:	67.3
	Difference:	***1.1 dB***

Conclusions: Measured traffic noise levels within 1 dB of predicted traffic noise levels. No model offset warranted.



Appendix C-1

FHWA Traffic Noise Prediction Model (FHWA-RD-77-108)
Noise Prediction Worksheet

Project Information:

Job Number: 2018-138
Project Name: Sierra Vista Residential Development (A1, A2, B)
Roadway Name: Fiddyment Road

Traffic Data:

Year:	Future
Average Daily Traffic Volume:	44,300
Percent Daytime Traffic:	83
Percent Nighttime Traffic:	17
Percent Medium Trucks (2 axle):	2
Percent Heavy Trucks (3+ axle):	1
Assumed Vehicle Speed (mph):	50
Intervening Ground Type (hard/soft):	**Soft**

Traffic Noise Levels:

				----------L_{dn}, dB----------			
Location	**Description**	**Distance**	**Offset (dB)**	**Autos**	**Medium Trucks**	**Heavy Trucks**	**Total**
1	Nearest Backyards	80	0	71	62	63	72
2	Nearest 1st-Floor Facades	100	0	70	60	62	71
3	Nearest 2nd-Floor Facades	100	3	73	63	65	74

Traffic Noise Contours (No Calibration Offset):

L_{dn} Contour, dB	Distance from Centerline, (ft)
75	51
70	110
65	238
60	513

Notes: Future average daily traffic volume was obtained from the Sierra Vista Specific Plan FEIR, Table 4.6-11 (Date: May, 2010; ADT: 44,300)

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Appendix C-2

FHWA Traffic Noise Prediction Model (FHWA-RD-77-108)
Noise Prediction Worksheet

Project Information:

Job Number: 2018-138
Project Name: Sierra Vista Residential Development (A1, A2, B)
Roadway Name: Market Drive

Traffic Data:

Year:	Future
Average Daily Traffic Volume:	1,900
Percent Daytime Traffic:	83
Percent Nighttime Traffic:	17
Percent Medium Trucks (2 axle):	2
Percent Heavy Trucks (3+ axle):	1
Assumed Vehicle Speed (mph):	35
Intervening Ground Type (hard/soft):	**Soft**

Traffic Noise Levels:

				----------L_{dn}, dB----------			
Location	**Description**	**Distance**	**Offset (dB)**	**Autos**	**Medium Trucks**	**Heavy Trucks**	**Total**
1	Nearest Backyards	60	0	55	48	50	57
2	Nearest 1st-Floor Facades	70	0	54	47	49	56
3	Nearest 2nd-Floor Facades	70	3	57	50	52	59

Traffic Noise Contours (No Calibration Offset):

L_{dn} Contour, dB	Distance from Centerline, (ft)
75	4
70	8
65	16
60	35

Notes: Future average daily traffic volume was obtained from the Sierra Vista Specific Plan FEIR, Table 4.6-11 (Date: May, 2010; ADT: 1,900)

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Appendix C-3

FHWA Traffic Noise Prediction Model (FHWA-RD-77-108)
Noise Prediction Worksheet

Project Information:

Job Number: 2018-138
Project Name: Sierra Vista Residential Development (A1, A2, B)
Roadway Name: Upland Drive

Traffic Data:

Year:	Future
Average Daily Traffic Volume:	3,400
Percent Daytime Traffic:	83
Percent Nighttime Traffic:	17
Percent Medium Trucks (2 axle):	2
Percent Heavy Trucks (3+ axle):	1
Assumed Vehicle Speed (mph):	35
Intervening Ground Type (hard/soft):	**Soft**

Traffic Noise Levels:

				----------L_{dn}, dB----------			
Location	**Description**	**Distance**	**Offset (dB)**	**Autos**	**Medium Trucks**	**Heavy Trucks**	**Total**
1	Nearest Backyards	60	0	57	50	52	59
2	Nearest 1st-Floor Facades	70	0	56	49	51	58
3	Nearest 2nd-Floor Facades	70	3	59	52	54	61

Traffic Noise Contours (No Calibration Offset):

L_{dn} Contour, dB	Distance from Centerline, (ft)
75	5
70	11
65	24
60	52

Notes: Future average daily traffic volume was obtained from the Sierra Vista Specific Plan FEIR, Table 4.6-11 (Date: May, 2010; ADT: 3,400)

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Appendix C-4

FHWA Traffic Noise Prediction Model (FHWA-RD-77-108)
Noise Prediction Worksheet

Project Information:

Job Number: 2018-138
Project Name: Sierra Vista Residential Development (A1, A2, B)
Roadway Name: Vista Grande Boulevard

Traffic Data:

Year:	Future
Average Daily Traffic Volume:	9,500
Percent Daytime Traffic:	83
Percent Nighttime Traffic:	17
Percent Medium Trucks (2 axle):	2
Percent Heavy Trucks (3+ axle):	1
Assumed Vehicle Speed (mph):	35
Intervening Ground Type (hard/soft):	**Soft**

Traffic Noise Levels:

				----------L_{dn}, dB----------			
Location	**Description**	**Distance**	**Offset (dB)**	**Autos**	**Medium Trucks**	**Heavy Trucks**	**Total**
1	Nearest Backyards	70	0	61	54	56	63
2	Nearest 1st-Floor Facades	80	0	60	53	55	62
3	Nearest 2nd-Floor Facades	80	3	63	56	58	65

Traffic Noise Contours (No Calibration Offset):

L_{dn} Contour, dB	Distance from Centerline, (ft)
75	10
70	22
65	48
60	103

Notes: Future average daily traffic volume was obtained from the Sierra Vista Specific Plan FEIR, Table 4.6-11 (Date: May, 2010; ADT: 9,500). Vista Grande Boulevard referred to as Road "B" in the FEIR.

Appendix D-1

FHWA Traffic Noise Prediction Model (FHWA-RD-77-108)
Noise Barrier Effectiveness Prediction Worksheet

Project Information:

Job Number: 2018-138
Project Name: Sierra Vista Residential Development (A1, A2, B)
Roadway Name: Fiddyment Road
Location(s): Nearest Backyards

Noise Level Data:

Year: Future
Auto L_{dn}, dB: 70
Medium Truck L_{dn}, dB: 61
Heavy Truck L_{dn}, dB: 66

Site Geometry:

Receiver Description: Nearest Backyards
Centerline to Barrier Distance (C_1): 65
Barrier to Receiver Distance (C_2): 15
Automobile Elevation: 0
Medium Truck Elevation: 2
Heavy Truck Elevation: 8
Pad/Ground Elevation at Receiver: 0
Receiver Elevation[1]: 5
Base of Barrier Elevation: 0
Starting Barrier Height 6

Barrier Effectiveness:

Top of Barrier Elevation (ft)	Barrier Height[2] (ft)	L_{dn}, dB: Autos	Medium Trucks	Heavy Trucks	Total	Barrier Breaks Line of Sight to… Autos?	Medium Trucks?	Heavy Trucks?
6	6	64	55	61	**66**	Yes	Yes	Yes
7	7	62	54	60	**65**	Yes	Yes	Yes
8	8	61	53	59	**64**	Yes	Yes	Yes
9	9	60	51	58	**62**	Yes	Yes	Yes
10	10	59	50	57	**61**	Yes	Yes	Yes
11	11	58	50	56	**60**	Yes	Yes	Yes
12	12	57	48	55	**59**	Yes	Yes	Yes
13	13	56	48	54	**59**	Yes	Yes	Yes
14	14	56	47	53	**58**	Yes	Yes	Yes

Notes: 1.Standard receiver elevation is five feet above grade/pad elevations at the receiver location(s)

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Appendix D-2

FHWA Traffic Noise Prediction Model (FHWA-RD-77-108)
Noise Barrier Effectiveness Prediction Worksheet

Project Information:

Job Number: 2018-138
Project Name: Sierra Vista Residential Development (A1, A2, B)
Roadway Name: Market Drive
Location(s): Nearest Backyards

Noise Level Data:

Year: Future
Auto L_{dn}, dB: 55
Medium Truck L_{dn}, dB: 48
Heavy Truck L_{dn}, dB: 50

Site Geometry:

Receiver Description: Nearest Backyards
Centerline to Barrier Distance (C_1): 45
Barrier to Receiver Distance (C_2): 15
Automobile Elevation: 0
Medium Truck Elevation: 2
Heavy Truck Elevation: 8
Pad/Ground Elevation at Receiver: 0
Receiver Elevation[1]: 5
Base of Barrier Elevation: 0
Starting Barrier Height 6

Barrier Effectiveness:

Top of Barrier Elevation (ft)	Barrier Height[2] (ft)	L_{dn}, dB: Autos	Medium Trucks	Heavy Trucks	Total	Barrier Breaks Line of Sight to… Autos?	Medium Trucks?	Heavy Trucks?
6	6	48	41	45	**50**	Yes	Yes	Yes
7	7	47	40	44	**49**	Yes	Yes	Yes
8	8	45	39	43	**48**	Yes	Yes	Yes
9	9	44	38	42	**47**	Yes	Yes	Yes
10	10	43	37	40	**46**	Yes	Yes	Yes
11	11	42	36	39	**45**	Yes	Yes	Yes
12	12	41	35	38	**44**	Yes	Yes	Yes
13	13	41	34	37	**43**	Yes	Yes	Yes
14	14	40	33	36	**42**	Yes	Yes	Yes

Notes: 1.Standard receiver elevation is five feet above grade/pad elevations at the receiver location(s)

BOLLARD
Acoustical Consultants

Appendix D-3

FHWA Traffic Noise Prediction Model (FHWA-RD-77-108)
Noise Barrier Effectiveness Prediction Worksheet

Project Information:

Job Number: 2018-138
Project Name: Sierra Vista Residential Development (A1, A2, B)
Roadway Name: Upland Drive
Location(s): Nearest Backyards

Noise Level Data:

Year: Future
Auto L_{dn}, dB: 57
Medium Truck L_{dn}, dB: 50
Heavy Truck L_{dn}, dB: 52

Site Geometry:

Receiver Description: Nearest Backyards
Centerline to Barrier Distance (C_1): 45
Barrier to Receiver Distance (C_2): 15
Automobile Elevation: 0
Medium Truck Elevation: 2
Heavy Truck Elevation: 8
Pad/Ground Elevation at Receiver: 0
Receiver Elevation[1]: 5
Base of Barrier Elevation: 0
Starting Barrier Height 6

Barrier Effectiveness:

Top of Barrier Elevation (ft)	Barrier Height[2] (ft)	L_{dn}, dB: Autos	Medium Trucks	Heavy Trucks	Total	Barrier Breaks Line of Sight to… Autos?	Medium Trucks?	Heavy Trucks?
6	6	50	44	47	**53**	Yes	Yes	Yes
7	7	49	43	47	**52**	Yes	Yes	Yes
8	8	48	41	46	**50**	Yes	Yes	Yes
9	9	47	40	44	**49**	Yes	Yes	Yes
10	10	46	39	43	**48**	Yes	Yes	Yes
11	11	45	38	42	**47**	Yes	Yes	Yes
12	12	44	37	41	**46**	Yes	Yes	Yes
13	13	43	36	40	**45**	Yes	Yes	Yes
14	14	43	36	39	**45**	Yes	Yes	Yes

Notes: 1.Standard receiver elevation is five feet above grade/pad elevations at the receiver location(s)

BOLLARD
Acoustical Consultants

Appendix D-4

FHWA Traffic Noise Prediction Model (FHWA-RD-77-108)
Noise Barrier Effectiveness Prediction Worksheet

Project Information:

Job Number: 2018-138
Project Name: Sierra Vista Residential Development (A1, A2, B)
Roadway Name: Vista Grande Boulevard
Location(s): Nearest Backyards

Noise Level Data:

Year: Future
Auto L_{dn}, dB: 61
Medium Truck L_{dn}, dB: 54
Heavy Truck L_{dn}, dB: 56

Site Geometry:

Receiver Description: Nearest Backyards
Centerline to Barrier Distance (C_1): 55
Barrier to Receiver Distance (C_2): 15
Automobile Elevation: 0
Medium Truck Elevation: 2
Heavy Truck Elevation: 8
Pad/Ground Elevation at Receiver: 0
Receiver Elevation[1]: 5
Base of Barrier Elevation: 0
Starting Barrier Height 6

Barrier Effectiveness:

Top of Barrier Elevation (ft)	Barrier Height[2] (ft)	L_{dn}, dB				Barrier Breaks Line of Sight to…		
		Autos	Medium Trucks	Heavy Trucks	Total	Autos?	Medium Trucks?	Heavy Trucks?
6	6	54	48	51	**56**	Yes	Yes	Yes
7	7	53	46	50	**55**	Yes	Yes	Yes
8	8	52	45	49	**54**	Yes	Yes	Yes
9	9	50	44	48	**53**	Yes	Yes	Yes
10	10	49	43	46	**52**	Yes	Yes	Yes
11	11	48	42	45	**51**	Yes	Yes	Yes
12	12	48	41	44	**50**	Yes	Yes	Yes
13	13	47	40	43	**49**	Yes	Yes	Yes
14	14	46	39	43	**48**	Yes	Yes	Yes

Notes: 1.Standard receiver elevation is five feet above grade/pad elevations at the receiver location(s)

BOLLARD
Acoustical Consultants

RESOLUTION NO. 21-033

AMENDING THE GENERAL PLAN TO CHANGE THE LAND USE DESIGNATIONS ON CERTAIN REAL PROPERTY IN THE CITY OF ROSEVILLE

WHEREAS, a proposal has been submitted to amend the General Plan 2035 – Land Use Map of the City of Roseville for that portion of certain real property within the City of Roseville known as Sierra Vista Specific Plan (SVSP) Parcel JM-40 from Community Commercial/Commercial Mixed Use (CC/CMU) to Medium Density Residential (MDR), as shown in Exhibit B, attached and incorporated herein by reference; and

WHEREAS, the Planning Commission held a public hearing on the proposed amendments to the General Plan on December 10, 2020; and

WHEREAS, on February 3, 2021, the City Council held a public hearing at which time the proposed amendments were considered; and

WHEREAS, on February 3, 2021, the City Council considered the 3rd Addendum to the Sierra Vista Specific Plan Environmental Impact Report (EIR) (SCH #2008032115, certified May 5, 2010); and

WHEREAS, the Council of the City of Roseville desires to approve said amendments to the Roseville General Plan as conducive to public interest, health, safety and welfare, and consistent with the land use practices of the City.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Roseville that the amendment changing the Land Use Map (attached as Exhibit C) is hereby adopted.

BE IT FURTHER RESOLVED, that the Development Services Director is hereby directed to retain said General Plan Amendments on permanent public display in the Development Services Department of the City of Roseville.

PASSED AND ADOPTED by the Council of the City of Roseville this_____, 20_, by the following vote on roll call:

AYES COUNCILMEMBERS:

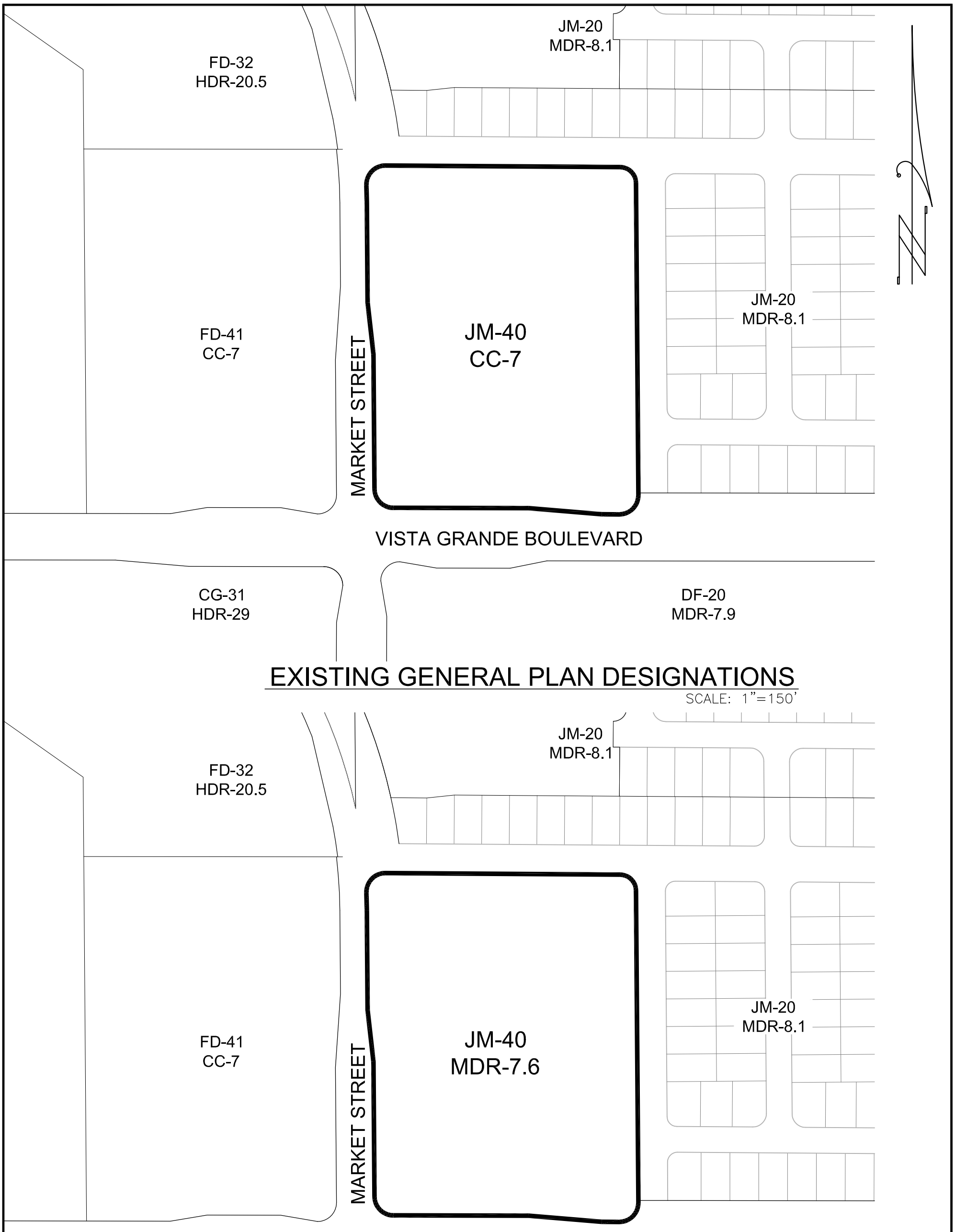
NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

_____
City Clerk

CC EXHIBIT B



EXISTING GENERAL PLAN DESIGNATIONS

SCALE: 1"=150'

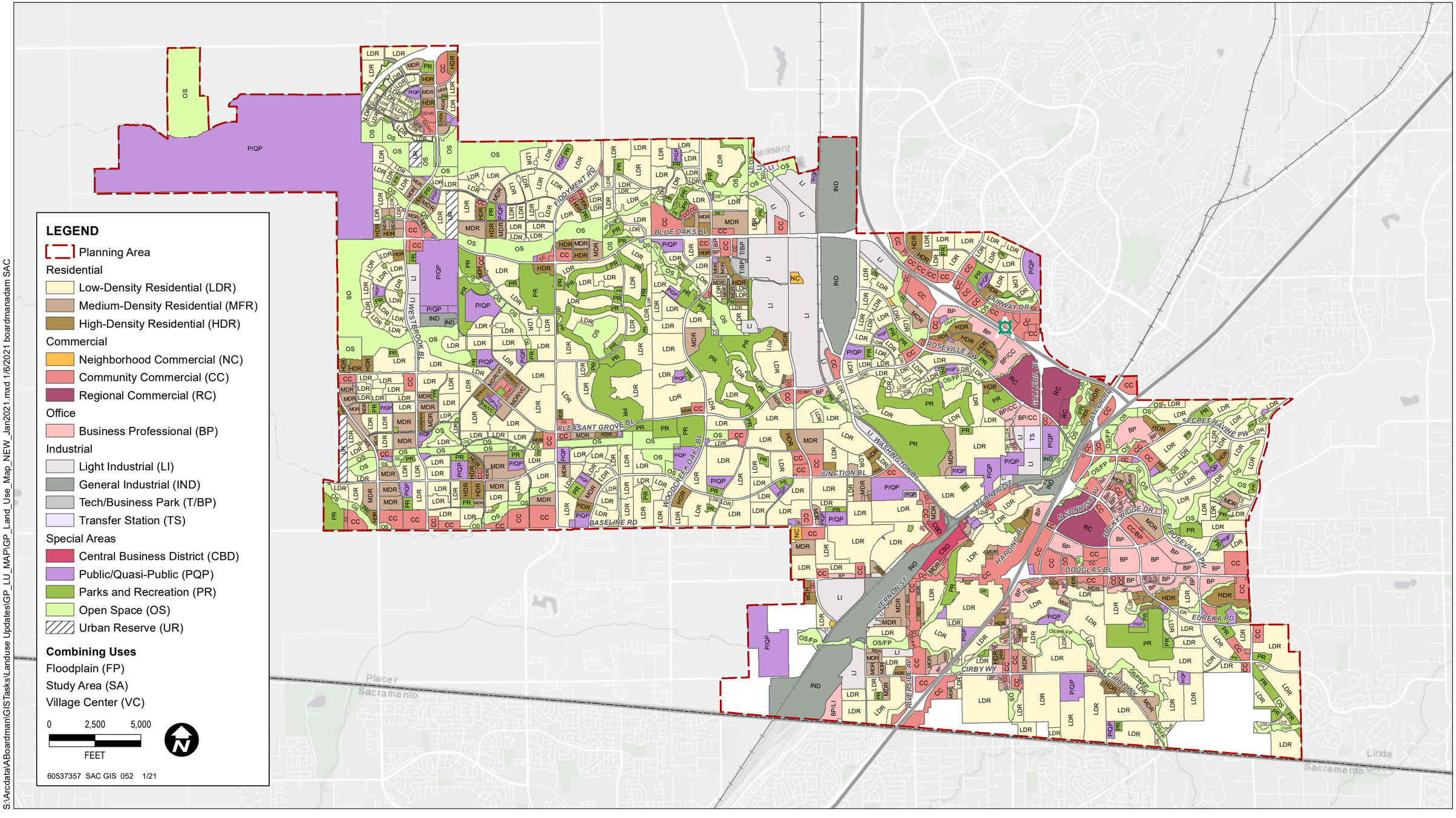
PROPOSED GENERAL PLAN DESIGNATIONS

SCALE: 1"=150'

BAKER-WILLIAMS ENGINEERING GROUP
Engineering / Surveying / Land Planning / Entitlement Processing / GPS Services
6020 Rutland Drive, Suite 19 ~ Carmichael CA 95608
(916) 331-4336 ~ fax (916) 331-4430 ~ office@bwengineers.com

SCALE: 1"=150'	GENERAL PLAN AMENDMENT EXHIBIT
JOB #: 18-03-010	SIERRA VISTA VILLAGE JM-40
DATE: MAY, 2020	PROJECT # PL20-0103
	CITY of ROSEVILLE, CALIFORNIA

CC EXHIBIT C



Land Use Map

Source: City of Roseville 2017

RESOLUTION NO. 21-034

AMENDING THE SIERRA VISTA SPECIFIC PLAN

WHEREAS, a proposal has been submitted to amend the land use designations of Parcel JM-40 of the Sierra Vista Specific Plan from Community Commercial/Commercial Mixed Use (CC/CMU) to Medium Density Residential (MDR), as shown in Exhibit D, attached and incorporated herein by reference; and

WHEREAS, the proposed land use amendment requires a Specific Plan Amendment to change the text within the Sierra Vista Specific Plan, as shown in Exhibit E, attached and incorporated herein by reference; and

WHEREAS, on December 10, 2020, the Planning Commission unanimously recommended that the City Council approve the proposed Specific Plan Amendment; and

WHEREAS, the Specific Plan Amendment as proposed and revised is consistent with the adopted City of Roseville General Plan; and

WHEREAS, the Council of the City of Roseville has reviewed the findings of the Planning Commission recommending approval of the Specific Plan Amendment, and makes the following findings:

The Specific Plan Amendment is consistent with the objectives, policies, general land uses and programs specified in the City of Roseville General Plan and the Sierra Vista Specific Plan;

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Roseville that the proposed changes to the Sierra Vista Specific Plan are adopted as set forth in the attached Exhibit E.

PASSED AND ADOPTED by the Council of the City of Roseville this_____day of _____, 20_, by the following vote on roll call:

AYES COUNCILMEMBERS:

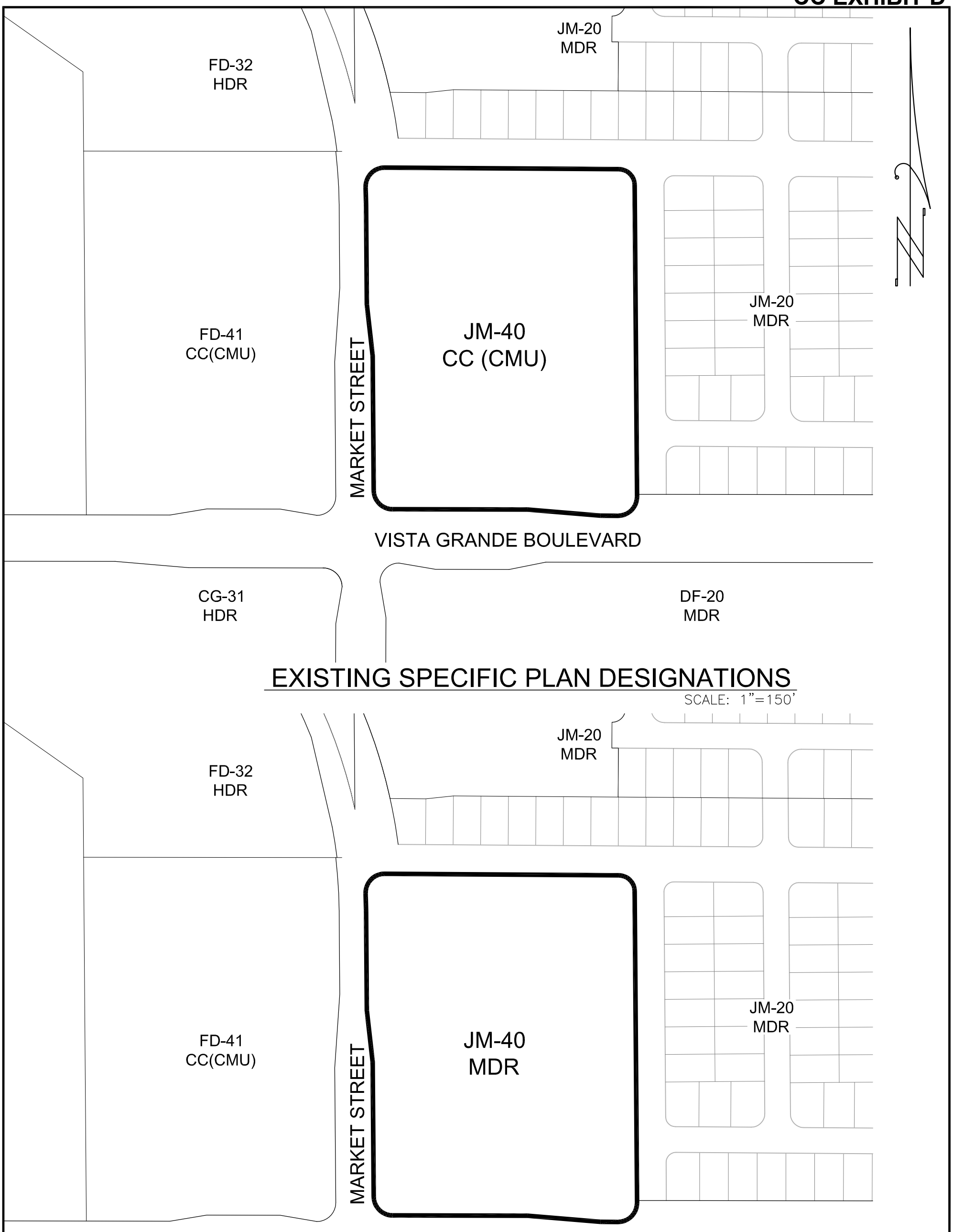
NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk



EXISTING SPECIFIC PLAN DESIGNATIONS

SCALE: 1"=150'

PROPOSED SPECIFIC PLAN DESIGNATIONS

SCALE: 1"=150'

BAKER-WILLIAMS ENGINEERING GROUP
Engineering / Surveying / Land Planning / Entitlement Processing / GPS Services
6020 Rutland Drive, Suite 19 ~ Carmichael CA 95608
(916) 331-4336 ~ fax (916) 331-4430 ~ office@bwengineers.com

SCALE: 1"=150'	SPECIFIC PLAN AMENDMENT EXHIBIT
JOB #: 18-03-010	SIERRA VISTA VILLAGE JM-40
DATE: MAY, 2020	PROJECT # PL20-0103
	CITY of ROSEVILLE, CALIFORNIA

Table 4-1: Plan Area Land Use Summary							
Land Use Designation			**Applied Zoning Districts**	**Acres**	**% of Total Acres**	**Units**	**% of Total Units**
Residential Neighborhoods							
LDR	Low Density Residential		RS/DS	635.2	30.7%	3,273	37.7%
LDR	LDR – Age Restricted		RS/DS	94.3	4.6%	493	5.7%
MDR	Medium Density Residential		RS/DS	303.6	14.7%	2,327	26.8%
HDR	High Density Residential		R3	92.0	4.4%	2,337	26.9%
Sub-totals				**1,125.1**	**54.3%**	**8,430**	**97.1%**
Commercial and Employment							
CC	Community Commercial (Commercial Mixed Use)		CMU/SA	29.1	1.4%	249	2.9%
CC/BP	Community Commercial/ Business Professional (Mixed Use)		CC/SA	25.4	1.2%	--	--
CC	Community Commercial		CC & GC	177.5	8.6%	--	--
Sub-totals				**232.0**	**11.2%**	**249**	**2.9%**
Open Space/Public							
P/QP	Public/Quasi-Public		P/QP	64.7	3.1%	--	--
PR	Parks & Recreation		PR	104.6	5.0%	--	--
OS	Open Space		OS	302.0	14.6%	--	--
OS	Paseo (60'-wide)		OS	13.4	0.6%	--	--
UR	Urban Reserve		UR	38.7	1.9%	--	--
Sub-totals				**523.4**	**25.3%**	**--**	**--**
Right of Way/ Landscape Corridor				191.6	9.2%	--	--
TOTAL				**2072.2 ac**	**100%**	**8,679 du**	**100%**

Note: See Table 7-4 for net Paseo total acres

Last Updated January 2021

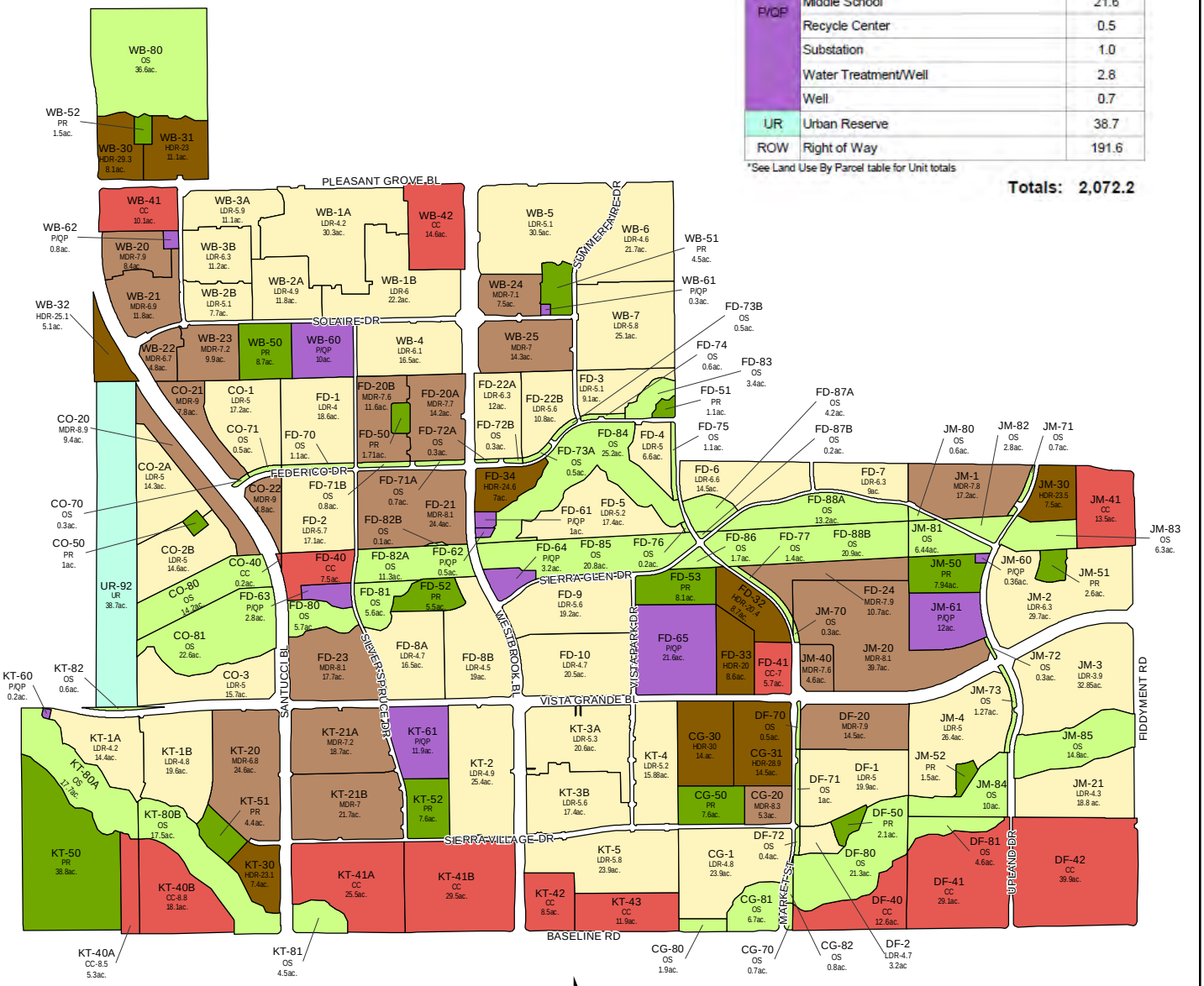
SIERRA VISTA LAND USE PLAN

Figure 4-1

	Land Use Designation	Acres
LDR	Residential	635.2
	Residential - Age Restricted	94.3
MDR	Residential	303.6
HDR	Residential	92.0
CC	Business Professional and Commercial	25.4
	Commercial	177.5
	Commercial Mixed Use	29.1
OS	Open Space	302.0
	Open Space/Paseo	13.4
PR	Park	104.6
P/QP	Elementary School	33.9
	Fire Station	3.2
	Lift Station	1.0
	Middle School	21.6
	Recycle Center	0.5
	Substation	1.0
	Water Treatment/Well	2.8
	Well	0.7
UR	Urban Reserve	38.7
ROW	Right of Way	191.6

*See Land Use By Parcel table for Unit totals

Totals: 2,072.2



Last Updated: January 11, 2021

Table 4-2: Land Use, Zoning, & Acreage by Parcel

PARCEL	GENERAL PLAN LAND USE (Specific Plan Land Use)	ZONING	ACRES	ALLOCATED UNITS	DENSITY
CG-1	LDR (Residential)	RS/DS	23.86	115	4.9
CG-20	MDR (Residential)	RS/DS	5.34	44	8.3
CG-30	HDR (Residential)	R3	13.99	420	30.0
CG-31	HDR (Residential)	R3	14.54	420	29.0
CG-50	PR (Park)	PR	7.60		
CG-70	OS (Open Space/Paseo)	OS	0.67		
CG-80	OS (Open Space)	OS	1.86		
CG-81	OS (Open Space)	OS	6.70		
CG-82	OS (Open Space)	OS	0.78		
	Sub-totals (CGB)		**75.34**	**999**	
CO-1	LDR (Residential)	RS/DS	17.25	86	5.0
CO-2A	LDR (Residential)	RS/DS	14.25	71	5.0
CO-2B	LDR (Residential)	RS/DS	14.58	73	5.0
CO-3	LDR (Residential)	RS/DS	15.70	78	5.0
CO-20	MDR (Residential)	RS/DS	9.40	84	8.9
CO-21	MDR (Residential)	RS/DS	7.80	70	9.0
CO-22	MDR (Residential)	RS/DS	4.8	43	9.0
CO-40	CC (Commercial)	CC	0.16		
CO-50	PR (Park)	PR	1.00		
CO-70	OS (Open Space/Paseo)	OS	0.26		
CO-71	OS (Open Space/Paseo)	OS	0.52		
CO-80	OS (Open Space)	OS	14.22		
CO-81	OS (Open Space)	OS	22.94		
	Sub-totals (Conley)		**122.88**	**505**	
DF-1	LDR (Residential)	RS/DS	19.90	100	5.0
DF-2	LDR (Residential)	RS/DS	3.16	15	4.7
DF-20	MDR (Residential)	RS/DS	14.50	115	7.9
DF-40	CC (Commercial)	GC	12.64		
DF-41	CC (Commercial)	GC	29.14		
DF-42	CC (Commercial)	GC	39.90		
DF-50	PR (Park)	PR	2.08		
DF-70	OS (Open Space/Paseo)	OS	0.52		
DF-71	OS (Open Space/Paseo)	OS	1.00		
DF-72	OS (Open Space/Paseo)	OS	0.38		
DF-80	OS (Open Space)	OS	21.31		
DF-81	OS (Open Space)	OS	4.62		
	Sub-totals (DF Properties)		**149.15**	**230**	

Table 4-2: Land Use, Zoning, & Acreage by Parcel

PARCEL	GENERAL PLAN LAND USE (Specific Plan Land Use)	ZONING	ACRES	ALLOCATED UNITS	DENSITY
FD-1	LDR (Residential)	RS/DS	18.60	74	4.0
FD-2	LDR (Residential)	RS/DS	17.12	97	5.7
FD-3	LDR (Residential)	RS/DS	9.14	46	5.0
FD-4	LDR (Residential)	RS/DS	6.56	33	5.0
FD-5	LDR (Residential)	RS/DS	17.36	90	5.2
FD-6	LDR (Residential)	RS/DS	14.53	95	6.5
FD-7	LDR (Residential)	RS/DS	8.97	57	6.4
FD-8A	LDR (Residential)	RS/DS	16.51	78	4.7

Table 4-2: Land Use, Zoning, & Acreage by Parcel (cont.)

PARCEL	GENERAL PLAN LAND USE (Specific Plan Land Use)	ZONING	ACRES	ALLOCATED UNITS	DENSITY
FD-8B	LDR (Residential)	RS/DS	18.96	86	4.5
FD-9	LDR (Residential)	RS/DS	19.24	107	5.6
FD-10	LDR (Residential)	RS/DS	20.46	96	4.7
FD-20A	MDR (Residential)	RS/DS	14.21	110	7.6
FD-20B	MDR (Residential)	RS/DS	11.56	88	7.6
FD-21	MDR (Residential)	RS/DS	24.44	197	8.1
FD-22A	LDR (Residential)	RS/DS	11.97	76	6.3
FD-22B	LDR (Residential)	RS/DS	10.76	60	5.6
FD-23	MDR (Residential)	RS/DS	17.66	143	8.1
FD-24	MDR (Residential)	RS/DS	10.71	84	7.8
FD-32	HDR (Residential)	R3	8.74	178	20.4
FD-33	HDR (Residential)	R3	8.59	172	20.0
FD-34	HDR (Residential)	R3	7.04	172	24.4
FD-40	CC (Commercial)	CC	7.55		
FD-41	CC (Commercial Mixed Use)	CMU/SA	5.71	40	20.0
FD-50	PR (Park)	PR	1.71		
FD-51	PR (Park)	PR	1.12		
FD-52	PR (Park)	PR	5.51		
FD-53	PR (Park)	PR	8.07		
FD-61	Public/Quasi-Public (Electrical Substation)	P/QP	0.99		
FD-62	Public/Quasi-Public (Recycle Center)	P/QP	0.50		
FD-63	Public/Quasi-Public (Water Treatment/Well)	P/QP	2.83		
FD-64	Public/Quasi-Public (Fire Station)	P/QP	3.19		
FD-65	Public/Quasi-Public (Middle School)	P/QP	21.59		
FD-70	OS (Open Space/Paseo)	OS	1.13		
FD-71A	OS (Open Space/Paseo)	OS	0.70		
FD-71B	OS (Open Space/Paseo)	OS	0.82		
FD-72A	OS (Open Space/Paseo)	OS	0.25		
FD-72B	OS (Open Space/Paseo)	OS	0.27		
FD-73A	OS (Open Space/Paseo)	OS	0.51		
FD-73B	OS (Open Space/Paseo)	OS	0.49		
FD-74	OS (Open Space/Paseo)	OS	0.65		
FD-75	OS (Open Space/Paseo)	OS	1.14		
FD-76	OS (Open Space/Paseo)	OS	0.15		
FD-77	OS (Open Space/Paseo)	OS	1.35		
FD-80	OS (Open Space)	OS	5.71		
FD-81	OS (Open Space)	OS	5.57		
FD-82A	OS (Open Space)	OS	11.33		
FD-82B	OS (Open Space)	OS	0.14		
FD-83	OS (Open Space)	OS	3.39		
FD-84	OS (Open Space)	OS	25.24		
FD-85	OS (Open Space)	OS	20.80		
FD-86	OS (Open Space)	OS	1.68		
FD-87A	OS (Open Space)	OS	4.15		
FD-87B	OS (Open Space)	OS	0.20		
FD-88A	OS (Open Space)	OS	13.17		
FD-88B	OS (Open Space)	OS	20.89		
	Sub-totals (Federico)		**472.63**	**2,176**	

Table 4-2: Land Use, Zoning, & Acreage by Parcel (cont.)

PARCEL	GENERAL PLAN LAND USE (Specific Plan Land Use)	ZONING	ACRES	ALLOCATED UNITS	DENSITY
JM-1	MDR (Residential)	RS/DS	17.16	135	7.9
JM-2	LDR (Residential)	RS/DS	29.70	187	6.3
JM-3	LDR (Residential)	RS/DS	30.20	127	4.2
JM-4	LDR (Residential)	RS/DS	26.40	132	5.0
JM-20	MDR (Residential)	RS/DS	39.70	322	8.1
JM-21	LDR (Residential)	RS/DS	18.80	80	4.3
JM-30	HDR (Residential)	R3	7.51	176	23.5
JM-40	MDR (Residential)	RS/DS	4.57	35	7.6
JM-41	CC (Commercial/Business Professional)	CC/SA	13.50		
JM-50	PR (Park)	PR	7.94		
JM-51	PR (Park)	PR	2.59		
JM-52	PR (Park)	PR	1.50		
JM-60	Public/Quasi-Public (Well)	P/QP	0.36		
JM-61	Public/Quasi-Public (Elementary School)	P/QP	12.00		
JM-70	OS (Open Space/Paseo)	OS	0.26		
JM-71	OS (Open Space/Paseo)	OS	0.7		
JM-72	OS (Open Space/Paseo)	OS	0.25		
JM-73	OS (Open Space/Paseo)	OS	1.27		
JM-80	OS (Open Space)	OS	0.63		
JM-81	OS (Open Space)	OS	6.44		
JM-82	OS (Open Space)	OS	2.80		
JM-83	OS (Open Space)	OS	6.27		
JM-84	OS (Open Space)	OS	10.40		
JM-85	OS (Open Space)	OS	14.80		
	Sub-totals (Mourier Investments LLC)		**255.75**	**1,194**	
KT-1A	LDR (Residential)	RS/DS	14.35	60	4.2
KT-1B	LDR (Residential)	RS/DS	19.60	95	4.8
KT-2	LDR (Residential)	RS/DS	25.37	125	4.9
KT-3A	LDR (Residential)	RS/DS	20.60	110	5.3
KT-3B	LDR (Residential)	RS/DS	17.40	97	5.6
KT-4	LDR (Residential)	RS/DS	15.89	82	5.2
KT-5	LDR (Residential)	RS/DS	23.93	140	5.8
KT-20	MDR (Residential)	RS/DS	24.62	167	6.8
KT-21A	MDR (Residential)	RS/DS	18.68	135	7.2
KT-21B	MDR (Residential)	RS/DS	21.66	152	7.0
KT-30	HDR (Residential)	R3	7.40	171	23.1
KT-40A	CC (Commercial Mixed Use)	CMU/SA	5.39	46	8.5
KT-40B	CC (Commercial Mixed Use)	CMU/SA	18.10	163	8.8
KT-41A	CC (Commercial)	GC	25.52		
KT-41B	CC (Commercial)	GC	29.52		
KT-42	CC (Commercial)	GC	8.45		
KT-43	Commercial/Business Professional	CC/SA	11.91		
KT-50	PR (Park)	PR	38.80		
KT-51	PR (Park)	PR	4.36		
KT-52	PR (Park)	PR	7.61		
KT-60	Public/Quasi-Public (Sewer Lift Station)	P/QP	0.22		
KT-61	Public/Quasi-Public (Elementary School)	P/QP	11.94		
KT-80A	OS (Open Space)	OS	17.68		
KT-80B	OS (Open Space)	OS	17.47		
KT-81	OS (Open Space)	OS	4.54		
KT-82	OS (Open Space)	OS	0.61		
	Sub-totals (KT Development)		**411.62**	**1,543**	

Table 4-2: Land Use, Zoning, & Acreage by Parcel (cont.)

PARCEL	GENERAL PLAN LAND USE (Specific Plan Land Use)	ZONING	ACRES	ALLOCATED UNITS	DENSITY
UR-92	Urban Reserve	UR	38.72		
	Sub-totals (Urban Reserve)		**38.72**	**0**	
WB-1A	LDR (Residential – Age-Restricted)	RS/DS	30.30	126	4.2
WB-1B	LDR (Residential – Age-Restricted)	RS/DS	22.20	133	6.0
WB-2A	LDR (Residential – Age-Restricted)	RS/DS	11.81	58	4.9
WB-2B	LDR (Residential – Age-Restricted)	RS/DS	7.67	39	5.1
WB-3A	LDR (Residential – Age-Restricted)	RS/DS	11.10	66	5.9
WB-3B	LDR (Residential – Age-Restricted)	RS/DS	11.23	71	6.3
WB-4	LDR (Residential)	RS/DS	16.50	100	6.1
WB-5	LDR (Residential)	RS/DS	30.50	157	5.1
WB-6	LDR (Residential)	RS/DS	21.70	103	4.7
WB-7	LDR (Residential)	RS/DS	25.14	145	5.8
WB-20	MDR (Residential)	RS/DS	8.88	66	7.9
WB-21	MDR (Residential)	RS/DS	11.80	81	6.9
WB-22	MDR (Residential)	RS/DS	4.80	32	6.7
WB-23	MDR (Residential)	RS/DS	9.88	71	7.3
WB-24	MDR (Residential)	RS/DS	7.50	53	7.1
WB-25	MDR (Residential)	RS/DS	14.30	100	7.0
WB-30	HDR (Residential)	R3	8.06	237	29.4
WB-31	HDR (Residential)	R3	11.10	263	23.7
WB-32	HDR (Residential)	R3	5.11	128	25.0
WB-41	CC (Commercial)	CC	10.11		
WB-42	CC (Commercial)	CC	14.55		
WB-50	PR (Park)	PR	8.74		
WB-51	PR (Park)	PR	4.47		
WB-52	PR (Park)	PR	1.50		
WB-60	Public/Quasi-Public (Elementary School)	P/QP	10.00		
WB-61	Public/Quasi-Public (Well)	P/QP	0.31		
WB-62	Public/Quasi-Public (Lift Station)	P/QP	0.80		
WB-80	OS (Open Space)	OS	36.58		
	Sub-totals (Westbrook)		**356.64**	**2,029**	
ROW	Right of Way/Landscape Corridors		191.60		
	Sub-totals (ROW)		**191.60**	**0**	
	Total		**2,072.16**	**8,679**	

Table Updated January 2021
(GIS acreages revised January 2021)

Table 5-2: Affordable Housing Goal	
Income Category	**Units Required to Meet Goal**
40% Very-Low-Income	347 du
40% Low-Income	347 du
20% Middle-Income	174 du
Total Affordable Housing Need	868 du (10% of 8,679 du)

Allocation of Affordable Housing Goal

The affordable housing units within the SVSP have been allocated to specific MDR and HDR parcels as identified in Table 5-3, with designated parcels reflected on Figure 5-1. The intent is to distribute affordable units throughout the Plan Area. In addition, through implementation of the Affordable Housing Plan, the City should work with property owners to define alternative solutions, such as carriage units or granny flats in LDR and MDR areas, which also meet the intent of the Program.

Table 5-3: Affordable Housing Allocation

Parcel	Land Use	Total Units in Parcel	Total Affordable Allocation	Very Low Income Rental	Low Income Rental	Middle[2] Income Purchase
CG-20	MDR	44	20			20
CO-20	MDR	84	34			34
DF-20[1]	MDR	113	23	9	9	5
KT-20	MDR	202	31			31
CG-31	HDR	420	80	40	40	
FD-30	HDR	86	86	43	43	
FD-31	HDR	86	86	43	43	
FD-32	HDR	178	43			43
KT-30	HDR	150	124	62	62	
JM-30[4]	HDR	176	176	88	88	
WB-30	HDR	237	237[3]	68	169[3]	
WB-32	HDR	128	128[3]	92	36[3]	
Total			**1,068**[3]	**445**	**490**[3]	**133**

1 Carriage units are intended to fulfill the very-low and low income obligation
2 Middle-income purchase unit obligations may also be fulfilled via additional low-income rental units. 41 middle-income units were converted to low-income units via the Westbrook SPA approved in 2016.
3. Includes 162 units transferred to Westbrook from WRSP Parcel W-16.
4. Parcel JM-30 includes 8 units (4 Very-Low and 4 Low) transferred from NRSP Parcel M-31 (File #PL17-0204), 5 units transferred from SVSP Parcel JM-40 (File #PL20-0103), and 12 units transferred from SVSP Parcel JM-21 (File #PL20-0191).

NOTE: SVSP Section 5.4 allows for the transfer of affordable units. Check with the Housing Division to confirm current affordable housing obligations.

ORDINANCE NO.

ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE
AMENDING ZONING ORDINANCE NO. 5428 OF THE CITY OF ROSEVILLE
CHANGING THE ZONING OF CERTAIN REAL PROPERTY LOCATED
WITHIN THE CITY OF ROSEVILLE

THE CITY OF ROSEVILLE ORDAINS:

SECTION 1. The Council of the City of Roseville has reviewed the findings of the Planning Commission recommending approval of the rezone specified herein, and makes the following findings pursuant to Section 19.86.050 of the Zoning Ordinance:

1. The rezone is in conformance with the public interest, health, safety, or welfare of the City; and

2. The rezone is consistent with the objectives, policies, programs, and land use designations of the City of Roseville General Plan and the Sierra Vista Specific Plan.

SECTION 2. That Section 19.06.020 of the Zoning Ordinance of the City of Roseville, Ordinance No. 5428, is amended to change the zoning of that portion of certain real property located on Parcel JM-40 of the Sierra Vista Specific Plan in the City of Roseville, as shown and so designated in Exhibit F, attached and incorporated herein by reference, is hereby rezoned from Commercial Mixed Use/Special Area (CMU/SA) to Small Lot Residential with Modified Development Standards (RS/DS).

SECTION 3. This ordinance shall be effective at the expiration of thirty (30) days from the date of adoption.

SECTION 4. The City Clerk is hereby directed to cause this ordinance to be published in full at least once within fourteen (14) days after it is adopted in a newspaper of general circulation in the City, or shall within fourteen (14) days after its adoption cause this ordinance to be posted in full in at least three (3) public places in the City and enter in the Ordinance Book a certificate stating the time and place of said publication by posting.

PASSED AND ADOPTED by the Council of the City of Roseville this_____day of _____, 20_, by the following vote on roll call:

AYES COUNCILMEMBERS:

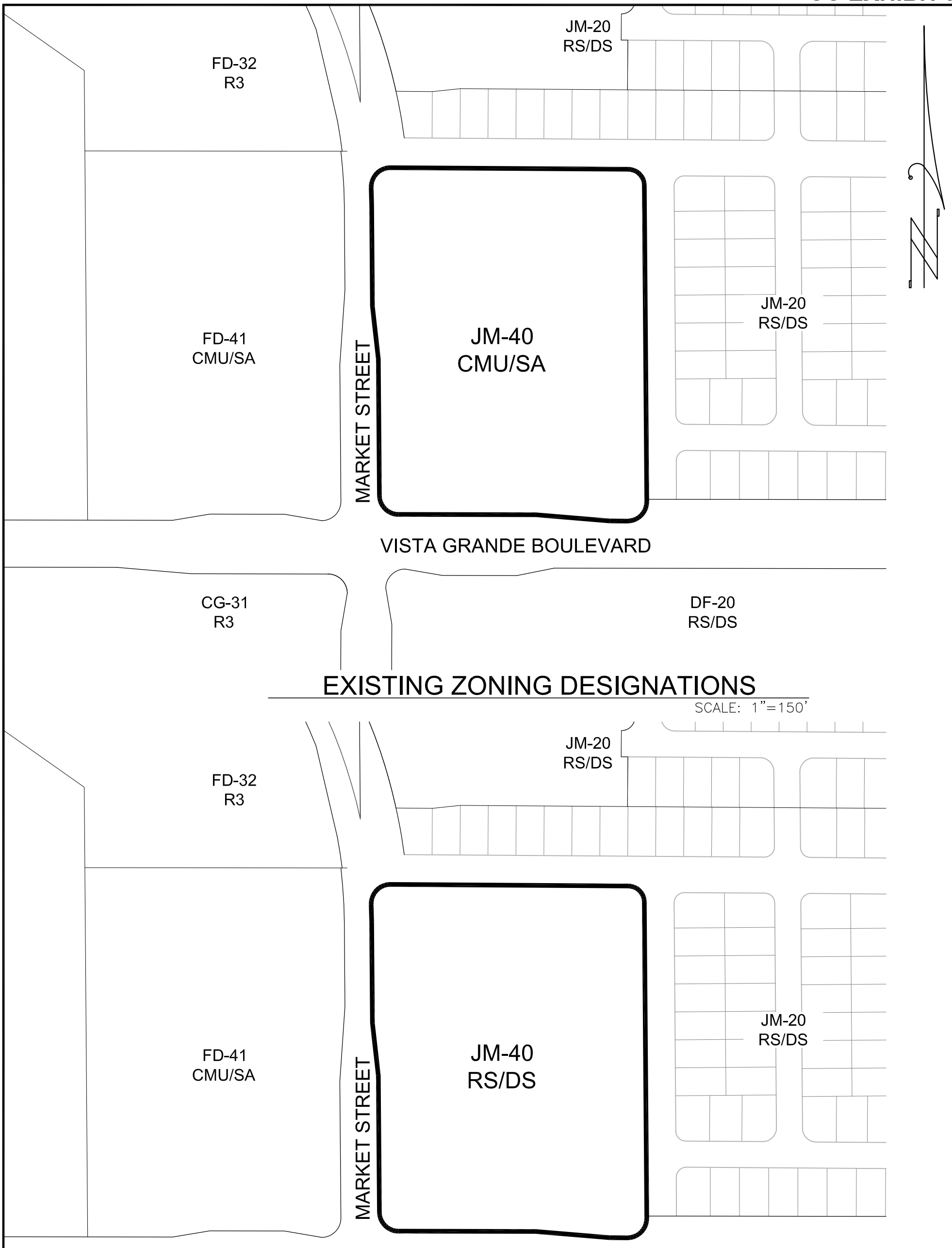
NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk



EXISTING ZONING DESIGNATIONS

SCALE: 1"=150'

PROPOSED ZONING DESIGNATIONS

SCALE: 1"=150'

BAKER-WILLIAMS ENGINEERING GROUP
Engineering / Surveying / Land Planning / Entitlement Processing / GPS Services
6020 Rutland Drive, Suite 19 ~ Carmichael CA 95608
(916) 331-4336 ~ fax (916) 331-4430 ~ office@bwengineers.com

SCALE: 1"=150'	REZONE EXHIBIT
JOB #: 18-03-010	SIERRA VISTA VILLAGE JM-40
DATE: MAY, 2020	PROJECT # PL20-0103
	CITY of ROSEVILLE, CALIFORNIA

ORDINANCE NO.

ADOPTING A SECOND AMENDMENT OF THE DEVELOPMENT AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND MOURIER INVESTMENTS, LLC ("MOURIER & BAGLEY") RELATIVE TO THE SIERRA VISTA SPECIFIC PLAN AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE

THE CITY OF ROSEVILLE ORDAINS:

SECTION 1. In accordance with Chapter 19.84 of Title 19 of the Roseville Municipal Code (the Zoning Ordinance) of the City of Roseville, the City Council has received the recommendation of the Planning Commission that the City of Roseville enter into a Second Amendment of the Development Agreement by and between the City of Roseville and Mourier Investments, LLC, pertaining to property located within the Sierra Vista Specific Plan area.

SECTION 2. Prior to considering the proposed Second Amendment to Development Agreement, the City Council considered the 3rd Addendum to the Sierra Vista Specific Plan Environmental Impact Report (EIR) (SCH #2008032115, certified on May 5, 2010), pursuant to the California Environmental Quality Act, California Public Resources Code Section 21000 *et seq*.

SECTION 3. The Council of the City of Roseville has reviewed the findings of the Planning Commission recommending approval of the Second Amendment to Development Agreement, and makes the following findings:

1. The Second Amendment to the Development Agreement is consistent with the objectives, policies, programs and land use designations of the City of Roseville General Plan and the Sierra Vista Specific Plan;

2. The Second Amendment to the Development Agreement is consistent with the City of Roseville Zoning Ordinance;

3. The Second Amendment to the Development Agreement is in conformance with the public health, safety and welfare;

4. The Second Amendment to the Development Agreement will not adversely affect the orderly development of the property or the preservation of property values; and

5. The provisions of the Second Amendment to the Development Agreement will provide sufficient benefit to the City to justify entering into said Amendment.

SECTION 4. The Second Amendment to Development Agreement, by and between the City of Roseville and Mourier Investments, LLC, a copy of which is on file in the City Clerk's Department and incorporated herein by reference, is hereby approved and the City Manager is authorized to execute it on behalf of the City of Roseville.

SECTION 5. The City Clerk is directed to record the executed Development Agreement Amendment within ten (10) days of the execution of the agreement by the City Manager with the County Recorder's Office of the County of Placer.

SECTION 6. This ordinance shall be effective at the expiration of thirty (30) days from the date of its adoption.

SECTION 7. The City Clerk is hereby directed to cause this ordinance to be published in full at least once within fourteen (14) days after it is adopted in a newspaper of general circulation in the City, or shall within fourteen (14) days after its adoption cause this ordinance to be posted in full in at least three (3) public places in the City and enter in the Ordinance Book a certificate stating the time and place of said publication by posting.

PASSED AND ADOPTED by the Council of the City of Roseville this ___ day of ___ 2021, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk

OFFICIAL BUSINESS
Document entitled to free recording
Government Code Section 27383

RECORDING REQUESTED BY
AND WHEN RECORDED MAIL TO:

City Clerk
City of Roseville
311 Vernon Street
Roseville, CA 95678

(SPACE ABOVE THIS LINE RESERVED FOR RECORDER'S USE)

SECOND AMENDMENT OF DEVELOPMENT AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND MOURIER INVESTMENTS, LLC RELATIVE TO THE SIERRA VISTA SPECIFIC PLAN

This Second Amendment of Development Agreement is entered into this ____ day of _____, 2020, by and between the CITY OF ROSEVILLE, a municipal corporation ("City") and Mourier Investments, LLC, a California limited liability company ("Mourier" or "Landowner") pursuant to Sections 65864 through 65869.5 of the Government Code of California.

RECITALS

A. Mourier, Bagley & Associates, L.P., a California limited partnership ("Bagley"), and City entered into a Development Agreement (the "Original Development Agreement") which was approved by the City Council of City on May 19, 2010, and recorded on June 18, 2010, in the Official Records of Placer County as Document No. 2010-0045941-00.

B. Mourier, Bagley, and City entered into the Original Development Agreement relative to development within a portion of the Sierra Vista Specific Plan Area, as such is more precisely defined in Exhibits "A" and "B" of the Original Development Agreement (the "Property"). Except as otherwise defined herein, all capitalized terms used herein shall have the meanings ascribed thereto in the Original Development Agreement.

C. Bagley assigned its interest in the Original Development Agreement to Mourier pursuant to that certain Option Agreement dated August 15, 2001, and which closed escrow on September 8, 2010.

D. Mourier assigned a portion of its interest in the Original Development Agreement to John Mourier Construction, Inc., a California corporation ("JMC") pursuant to that certain Purchase and Sale Agreement dated December 19, 2017, and which closed escrow on December 26, 2017.

E. Mourier assigned a portion of its interest in the Original Development Agreement to JMC pursuant to that certain Assignment and Assumption Agreement Relative to the Sierra Vista Specific Plan Development Agreement dated as of November 7, 2019, and recorded November 8, 2019, as Document No. 2019-0089190-00, in the Official Records of Placer County, California.

F. City, Mourier, and JMC entered into a First Amendment to the Original Development Agreement (the "First Amendment") which was approved by the City Council of City on March 4, 2020, and recorded on April 13, 2020, in the Official Records of Placer County as Document No. 2020-0032963-00. The Original Development Agreement and the First Amendment are hereinafter collectively referred to as the "Development Agreement."

G. This Second Amendment to the Development Agreement (the "Second Amendment") affects certain portions of the Property owned by Mourier (the "Second Amendment Property"), as described in Exhibit "A" and depicted in Exhibit "B" attached to this Second Amendment and shall run with the land described in Exhibit "A" hereto. Mourier and City intend for this Second Amendment to document certain unit transfers within the Plan Area, revise the parties' obligations with respect to groundwater production wells and recycled water facilities, and update the parties' evaluation of water conservation goals.

H. This Second Amendment is authorized by Section 1.4 of the Development Agreement.

NOW THEREFORE, THE PARTIES MUTUALLY AGREE AS FOLLOWS:

1. AMENDMENT OF DEVELOPMENT AGREEMENT.

a. The term "Entitlements" set forth in Recital F of the Development Agreement for the Second Amendment Property is hereby revised to include the Sierra Vista Specific Plan and Design Guidelines, as amended and adopted by Resolution No. ___-___.

b. The land use designations, approximate acreages, and unit counts in Section 2.2 of the Development Agreement for the Second Amendment Property are hereby revised as follows:

Medium Density Residential	35 units on 5.65 Net Acres;
Right of Way	1.2 Net Acres.

c. Section 3.7.2 of the Development Agreement for the Second Amendment Property is hereby amended and revised in its entirety to read as follows:

"3.7.2 Groundwater Wells. If applicable, Landowner shall dedicate to City Parcels JM-60 and FD-63 for two (2) groundwater wells at the approximate locations shown in Exhibit "Q". The City shall be responsible for the construction of monitoring wells for determining water production and quality and the topside improvements. Landowner shall be responsible for drilling and completing the production wells (but not above ground well improvements such as pumping and treatment facilities) as further described below ("Well Construction Requirements"). To facilitate the drilling of the monitoring wells Landowner will provide City and its contractors access to and within the location of the well site to enable City to install monitoring wells to confirm desired capacity and water quality.

It is the intent of this section (and the Parties) that the groundwater well locations identified within the SVSP shall be capable of achieving a yield of approximately 1,800 gallons per minute and the groundwater water is of such quality that only disinfection will be required to meet California Drinking Water Quality Standards. Should the City determine the available capacity or water quality does not achieve these objectives, Landowners shall, at its own cost, work with the City to relocate well sites within the SVSP until these objectives are satisfied.

The Landowner shall contact the City Environmental Utilities Department prior to construction of the production wells. Landowner shall receive approval from the City of the well design and drilling method prior to commencement of this work. Wells shall be drilled at the time of occupancy of any residential units within 500 feet of the well site. Landowner shall include noise curtains for a particular well if at the time of construction of the well homes are occupied between 500 feet and 1000 feet of the well.

Notwithstanding the foregoing, if the City adopts a revised water connection fee which is uniformly applied on a City-wide basis and encompasses the costs of the Well Construction Requirements, Landowner shall be relieved of the Well Construction Requirements set forth in this Section 3.7.2 so long as Landowner pays the applicable fee."

d. Section 3.7.4 of the Development Agreement for the Second Amendment Property is hereby amended and revised in its entirety to read as follows:

"3.7.4 Water Conservation Goal. The City has determined, and Landowner agrees, that the available water supply is sufficient to serve all phases of the Project. This determination was the conclusion of a review of the demand and source issues created by the projected build-out of the Project based upon the various technical studies completed in connection with the environmental review of the Project. The demand for water at build-out of the Project was determined by reference to the City's current information on water usage by the various land uses included and permitted within the City and the proposed land uses within the Project and by reference to the Landowner's Sierra Vista Specific Plan Water Conservation Plan which includes a reduction in water use by 17% over current use characteristics.

The sources for water evaluated for the Project are the same types of sources currently used throughout the City; namely, surface water contracts with federal and local agencies and the use of groundwater. City and Developer are satisfied, based upon detailed technical analysis, that the demand and source assumptions relied upon to assure water for the Project are valid. However, the Parties have agreed to the following procedure to assure the continued validity of the underlying assumptions and the continued availability of sufficient water to service all phases of the SVSP Project.

With the implementation of the City's Advanced Metering Infrastructure ("AMI") system, the City will have the ability to monitor potable water consumption on a near real term basis. If the City determines that water consumption exceeds what was anticipated and will negatively affect the City's ability to provide water for the Project, then the Parties shall meet and in good faith attempt to implement whatever measures are needed to assure the water supply will meet the Project's demands. In the event that the City adopts a City-Wide requirement for a reduction in water use by more than the 17% over current potable water usage as set forth herein, and the then built portion of the SVSP has met its 17% objective set forth in this Section 3.7.4, the residential units for which building permits have not yet been issued shall be required to implement such measures necessary to achieve such City-Wide requirement, above the 17% objective set forth in this Section 3.7.4. Development and implementation of such measures shall be at Landowner's cost. The foregoing notwithstanding, should City achieve its adopted City-Wide water conservation goals, the SVSP

Area shall not under any circumstances be deemed out of compliance with its Water Conservation Plan water conservation objective as set forth herein."

e. Section 3.9 of the Development Agreement for the Second Amendment Property is hereby amended and revised in its entirety to read as follows:

"3.9 Recycled Water Facilities. Landowner shall construct recycled water system facilities as provided in this Section 3.9 and the Phasing Plan in Section 3.3, and as shown in Exhibit "U", attached hereto and made a part hereof. Recycled water shall be used for irrigation of parks and landscape setbacks, medians, paseos adjacent to collector streets and other landscape areas including all multi-family and non-residential landscaping uses. Landowner shall construct and dedicate upon completion thereof, a recycled water distribution system as generally shown in Exhibit "U". In the event that the WRSP has not constructed recycled water facilities necessary to serve the SVSP, Landowner shall construct the necessary off-site recycled facilities and obtain reimbursement from the WRSP in accordance with Section 4.2.2 herein.

City shall construct a recycled water tank(s), pump station expansion and appurtenant recycled water facilities on City property in the WRSP as required for the Project. City shall be responsible to dismantle and eliminate each potable water charging station (5 total) as set forth in Section 3.3, and make the appropriate connections to the WRSP recycled water system as part of the construction of the recycled water tank(s) and pump station expansion on City property in the WRSP. City costs, estimated at $5.3 million, associated with the recycled water tank(s), pump station expansion, elimination of the potable water charging stations and connections to the West Roseville Specific Plan recycled water system, and appurtenant recycled water facilities (hereinafter, the "Recycled Water Facilities"), which include, but are not limited to, permitting, design, construction, design support during construction phase, construction management, inspection, and City's administrative and labor costs, shall be paid through a combination of methods, as follows:

(i) The City shall, as part of maximum special taxes in the Project CFD(s), as defined in Section 3.17.1 of the Agreement, include in such levy of maximum special taxes on all DUEs in the Specific Plan, comprised of 6,650 residential units and 2,095,236 square feet of non-residential building square footage, an amount of $30/sewer equivalent dwelling unit ("sewer

EDU")/year starting at the time a water meter is installed for the particular land use or as classified as a developed parcel in the rate and method for the Project CFD(s);

(ii) The City shall levy up to maximum special taxes in the Project CFD(s), as defined in Section 3.17.1, necessary to generate what is estimated at $2.4 million (in year 2010 dollars), adjusted annually by the CCI, for a portion of the Recycled Water Facilities to be financed pursuant to this Section 3.9. Such maximum special taxes shall be levied at issuance of building permits in the case of residential land uses, and at certificate of occupancy for non-residential land uses, on a pro-rata basis for a Landowner's proportionate share of its obligation under this Section 3.9, with sewer EDUs on all properties in the SVSP as the denominator, and the sewer EDUs in a large lot parcel as the numerator, and shall remain in place until Landowner's proportionate share of the $2.4 million in pay-as-you-go special tax revenue for such Recycled Water Facilities set forth in this Section 3.9, as may be adjusted by the CCI, is fully paid.

(iii) City shall impose a charge for recycled water of $20/sewer EDU/month (based on meter size) over the standard City charge for irrigation service (including the use of potable water on an interim basis) as such standard recycled water charge may from time to time be adjusted by City, charged to future recycled water billing accounts in the Plan Area for landscape setbacks for high density residential and non-residential land uses, until such time as $2.9 million for the Recycled Water Facilities, beyond the $2.4 million of maximum special taxes collected, is fully funded; and

(iv) If the costs of the Recycled Water Facilities fall below or rise above the $5.3 million estimated cost, City shall adjust accordingly the amounts financed as set forth in this Section 3.9.

All recycled water system facilities including storage tank(s), pump station, transmission, distribution and public and private irrigation systems shall be designed and constructed pursuant to City's then current Improvement Standards, unless modifications are otherwise mutually agreed to by Landowner and the Environmental Utilities Director, and shall be subject to City plan review, construction, inspection and final approval and payment of all applicable fees for plan review, mapping and inspection of such improvements.

If City adopts a revised water connection fee (which is uniformly applied on a City-wide basis and encompasses the estimated $5.3 million for the Recycled Water Facilities described in this Section 3.9), Landowner shall not be responsible for the payment of the estimated $5.3 million pro-rata share of the cost of the Recycled Water Facilities, except through the payment of the City's recycled

water connection fee, or City's revised water connection fee if a recycled water connection fee is embedded into City's revised water connection fee, or any special benefit fees as may be applicable to the Project to fund the Recycled Water Facilities."

2. CONSISTENCY WITH GENERAL PLAN. The City Council has found and determined that this Second Amendment of the Development Agreement is consistent with the General Plan and the Sierra Vista Specific Plan.

3. AMENDMENT LIMITED TO SECOND AMENDMENT PROPERTY. This Second Amendment is limited to and applies only to development of the Second Amendment Property and does not affect or apply in any manner with respect to the development of any other property within the Sierra Vista Specific Plan Area, including without limitation, any other portion of the Property.

4. AMENDMENT. This Second Amendment amends, but does not replace or supersede, the Development Agreement, except as specified herein. As amended hereby with respect to the Second Amendment Property, the Development Agreement remains in full force and effect.

5. FORM OF AMENDMENT. This Second Amendment is executed in two duplicate originals, each of which is deemed to be an original.

[Remainder of Page Intentionally Blank; Signatures Follow on Next Page]

IN WITNESS WHEREOF, the City of Roseville, a municipal corporation, has authorized the execution of this Second Amendment in duplicate by its City Manager and attested to by its City Clerk under the authority of Ordinance No. _____, adopted by the Council of the City of Roseville on the ____ day of _____, 2020.

CITY OF ROSEVILLE,
a municipal corporation

By:_____
Dominick Casey
City Manager

MOURIER INVESTMENTS, LLC, a
California limited liability company

By:_____
John L. Mourier, III
Managing Member

ATTEST:

By:_____
Sonia Orozco
City Clerk

APPROVED AS TO FORM;

By:_____
Robert R. Schmitt
City Attorney

APPROVED AS TO SUBSTANCE:

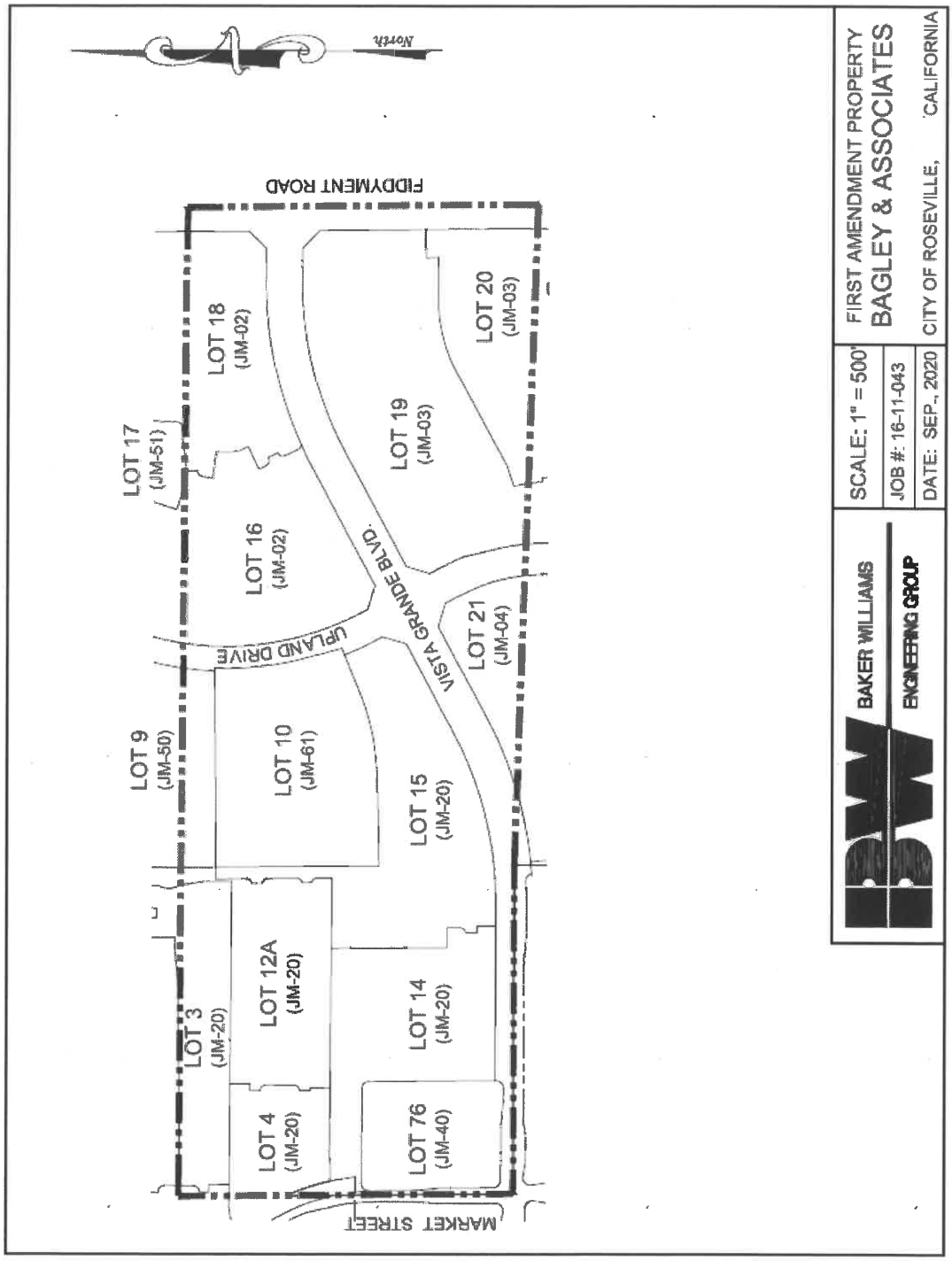
By:_____
Mike Isom
Development Services Director

EXHIBIT A
SECOND AMENDMENT PROPERTY

Legal Description for
Sierra Vista Development Agreement
Mourier Investments, LLC
(Bagley & Associates, LLP)

All that real property situate in the City of Roseville, County of Placer, State of California located in Section 36, Township 11 North, Range 5 East, M.D.M. being all of Lot 76 as shown on the Final Map of "Sierra Vista Village JM-20B – Phase 2", filed for record on May 4th, 2020, in Book EE of Maps, at Page 96, Official Records of Placer County.

EXHIBIT B
DEPICTION OF SECOND AMENDMENT PROPERTY



CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT **CIVIL CODE § 1189**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of Placer)

On January 6, 2021 before me, Karen Headley, a notary Public,
Date *Here Insert Name and Title of the Officer*

personally appeared John L. Mourer III
Name(s) of Signer(s)

,

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

KAREN HEADLEY
Notary Public - California
Placer County
Commission # 2258771
My Comm. Expires Oct 16, 2022

Signature _____
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____ Document Date: _____

Number of Pages: _____ Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator
☐ Other: _____
Signer Is Representing: _____

Signer's Name: _____
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator
☐ Other: _____
Signer Is Representing: _____

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ORDINANCE NO.

ADOPTING A SECOND AMENDMENT OF THE DEVELOPMENT AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND MOURIER INVESTMENTS, LLC ("MOURIER & COMPUTER DEDUCTIONS") RELATIVE TO THE SIERRA VISTA SPECIFIC PLAN AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE

THE CITY OF ROSEVILLE ORDAINS:

SECTION 1. In accordance with Chapter 19.84 of Title 19 of the Roseville Municipal Code (the Zoning Ordinance) of the City of Roseville, the City Council has received the recommendation of the Planning Commission that the City of Roseville enter into a Second Amendment of the Development Agreement by and between the City of Roseville and Mourier Investments, LLC, pertaining to property located within the Sierra Vista Specific Plan area.

SECTION 2. Prior to considering the proposed Second Amendment to Development Agreement, the City Council considered the 3rd Addendum to the Sierra Vista Specific Plan Environmental Impact Report (EIR) (SCH #2008032115, certified on May 5, 2010), pursuant to the California Environmental Quality Act, California Public Resources Code Section 21000 *et seq.*

SECTION 3. The Council of the City of Roseville has reviewed the findings of the Planning Commission recommending approval of the Second Amendment to Development Agreement, and makes the following findings:

1. The Second Amendment to the Development Agreement is consistent with the objectives, policies, programs and land use designations of the City of Roseville General Plan and the Sierra Vista Specific Plan;

2. The Second Amendment to the Development Agreement is consistent with the City of Roseville Zoning Ordinance;

3. The Second Amendment to the Development Agreement is in conformance with the public health, safety and welfare;

4. The Second Amendment to the Development Agreement will not adversely affect the orderly development of the property or the preservation of property values; and

5. The provisions of the Second Amendment to the Development Agreement will provide sufficient benefit to the City to justify entering into said Amendment.

SECTION 4. The Second Amendment to Development Agreement, by and between the City of Roseville and Mourier Investments, LLC, a copy of which is on file in the City Clerk's Department and incorporated herein by reference, is hereby approved and the City Manager is authorized to execute it on behalf of the City of Roseville.

SECTION 5. The City Clerk is directed to record the executed Development Agreement Amendment within ten (10) days of the execution of the agreement by the City Manager with the County Recorder's Office of the County of Placer.

SECTION 6. This ordinance shall be effective at the expiration of thirty (30) days from the date of its adoption.

SECTION 7. The City Clerk is hereby directed to cause this ordinance to be published in full at least once within fourteen (14) days after it is adopted in a newspaper of general circulation in the City, or shall within fourteen (14) days after its adoption cause this ordinance to be posted in full in at least three (3) public places in the City and enter in the Ordinance Book a certificate stating the time and place of said publication by posting.

PASSED AND ADOPTED by the Council of the City of Roseville this ___ day of ___ 2021, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

_____
MAYOR

ATTEST:

_____
City Clerk

OFFICIAL BUSINESS
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City Clerk
City of Roseville
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Roseville, CA 95678

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SECOND AMENDMENT OF DEVELOPMENT AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND MOURIER INVESTMENTS, LLC RELATIVE TO THE SIERRA VISTA SPECIFIC PLAN

This Second Amendment of Development Agreement is entered into this ____ day of _____, 2020, by and between the CITY OF ROSEVILLE, a municipal corporation ("City") and MOURIER INVESTMENTS, LLC, a California limited liability company ("Mourier" or "Landowner") pursuant to Sections 65864 through 65869.5 of the Government Code of California.

RECITALS

A. Mourier, Computer Deductions, Inc., a California corporation ("Computer"), and City entered into a Development Agreement (the "Original Development Agreement") which was approved by the City Council of City on May 19, 2010, and recorded on June 18, 2010, in the Official Records of Placer County as Document No. 2010-0045931-00.

B. Mourier, Computer, and City entered into the Original Development Agreement relative to development within a portion of the Sierra Vista Specific Plan Area, as such is more precisely defined in Exhibits "A" and "B" of the Original Development Agreement (the "Property"). Except as otherwise defined herein, all capitalized terms used herein shall have the meanings ascribed thereto in the Original Development Agreement.

C. Computer assigned its interest in the Original Development Agreement to Mourier pursuant to that certain Assignment and Assumption Agreement Relative to the Sierra Vista Specific Plan Development Agreement dated January 13, 2012, and recorded January 31, 2012, as Document No. 2012-0008251-00, in the Official Records of Placer County, California.

D. Mourier transferred a portion of its interest in the Original Development Agreement to John Mourier Construction, Inc., a California corporation ("JMC") pursuant to that certain Assignment and Assumption Agreement Relative to the Sierra Vista Specific Plan Development Agreement dated as of November 7, 2019, and recorded November 8, 2019, as Document No. 2019-0089192-00, in the Official Records of Placer County, California.

E. City, Mourier, and JMC entered into a First Amendment to the Original Development Agreement (the "First Amendment") which was approved by the City Council of City on March 4, 2020, and recorded on April 13, 2020, in the Official Records of Placer County as Document No. 2020-0032964-00. The Original Development Agreement and the First Amendment are hereinafter collectively referred to as the "Development Agreement."

F. This Second Amendment to the Development Agreement (the "Second Amendment") affects certain portions of the Property owned by Mourier (the "Second Amendment Property"), as described in Exhibit "A" and depicted in Exhibit "B" attached to this Second Amendment and shall run with the land described in Exhibit "A" hereto. Mourier and City intend for this Second Amendment to document certain density increases within the Plan Area, increase the number of affordable rental units to be reserved within the Second Amendment Property, revise the parties' obligations with respect to groundwater production wells and recycled water facilities, and update the parties' evaluation of water conservation goals.

G. This Second Amendment is authorized by Section 1.4 of the Development Agreement.

NOW THEREFORE, THE PARTIES MUTUALLY AGREE AS FOLLOWS:

1. AMENDMENT OF DEVELOPMENT AGREEMENT.

a. The term "Entitlements" set forth in Recital F of the Development Agreement for the Second Amendment Property is hereby revised to include the Sierra Vista Specific Plan and Design Guidelines, as amended and adopted by Resolution No. ___-___.

b. The land use designations, approximate acreages, and unit counts in Section 2.2 of the Development Agreement for the Second Amendment Property are hereby revised as follows:

High Density Residential	176 units on 7.5 Net Acres;
Right of Way	0.38 Net Acres.

c. Section 2.6.1.1 of the Development Agreement for the Second Amendment Property is hereby amended and revised to read in its entirety as follows:

"Landowner agrees that one hundred seventy-six (176) affordable rental units will be reserved within the Property, including eighty-eight (88) units for rental to very low income households and eighty-eight (88) units for rental to low income households as follows:

Parcel	Total Units In Parcel	Total Affordable Unit Allocation	Very Low Income Rental Units	Low Income Rental Units
JM-30	176	176	88	88

d. Section 3.7.2 of the Development Agreement for the Second Amendment Property is hereby amended and revised in its entirety to read as follows:

"3.7.2 Groundwater Wells. If applicable, Landowner shall dedicate to City Parcels JM-60 and FD-63 for two (2) groundwater wells at the approximate locations shown in Exhibit "Q". The City shall be responsible for the construction of monitoring wells for determining water production and quality and the topside improvements. Landowner shall be responsible for drilling and completing the production wells (but not above ground well improvements such as pumping and treatment facilities) as further described below ("Well Construction Requirements"). To facilitate the drilling of the monitoring wells Landowner will provide City and its contractors access to and within the location of the well site to enable City to install monitoring wells to confirm desired capacity and water quality.

It is the intent of this section (and the Parties) that the groundwater well locations identified within the SVSP shall be capable of achieving a yield of approximately 1,800 gallons per minute and the groundwater water is of such quality that only disinfection will be required to meet California Drinking Water Quality Standards. Should the City determine the available capacity or water quality does not achieve these objectives, Landowners shall, at its own cost, work with the City to relocate well sites within the SVSP until these objectives are satisfied.

The Landowner shall contact the City Environmental Utilities Department prior to construction of the production wells. Landowner shall receive approval from the City of the well design and drilling method prior to commencement of this work. Wells

shall be drilled at the time of occupancy of any residential units within 500 feet of the well site. Landowner shall include noise curtains for a particular well if at the time of construction of the well homes are occupied between 500 feet and 1000 feet of the well.

Notwithstanding the foregoing, if the City adopts a revised water connection fee which is uniformly applied on a City-wide basis and encompasses the costs of the Well Construction Requirements, Landowner shall be relieved of the Well Construction Requirements set forth in this Section 3.7.2 so long as Landowner pays the applicable fee."

e. Section 3.7.4 of the Development Agreement for the Second Amendment Property is hereby amended and revised in its entirety to read as follows:

"3.7.4 Water Conservation Goal. The City has determined, and Landowner agrees, that the available water supply is sufficient to serve all phases of the Project. This determination was the conclusion of a review of the demand and source issues created by the projected build-out of the Project based upon the various technical studies completed in connection with the environmental review of the Project. The demand for water at build-out of the Project was determined by reference to the City's current information on water usage by the various land uses included and permitted within the City and the proposed land uses within the Project and by reference to the Landowner's Sierra Vista Specific Plan Water Conservation Plan which includes a reduction in water use by 17% over current use characteristics.

The sources for water evaluated for the Project are the same types of sources currently used throughout the City; namely, surface water contracts with federal and local agencies and the use of groundwater. City and Developer are satisfied, based upon detailed technical analysis, that the demand and source assumptions relied upon to assure water for the Project are valid." However, the Parties have agreed to the following procedure to assure the continued validity of the underlying assumptions and the continued availability of sufficient water to service all phases of the SVSP Project.

With the implementation of the City's Advanced Metering Infrastructure ("AMI") system, the City will have the ability to monitor potable water consumption on a near real term basis. If the City determines that water consumption exceeds what was anticipated and will negatively affect the City's ability to provide water for the Project, then the Parties shall meet and in good faith

attempt to implement whatever measures are needed to assure the water supply will meet the Project's demands. In the event that the City adopts a City-Wide requirement for a reduction in water use by more than the 17% over current potable water usage as set forth herein, and the then built portion of the SVSP has met its 17% objective set forth in this Section 3.7.4, the residential units for which building permits have not yet been issued shall be required to implement such measures necessary to achieve such City-Wide requirement, above the 17% objective set forth in this Section 3.7.4. Development and implementation of such measures shall be at Landowner's cost. The foregoing notwithstanding, should City achieve its adopted City-Wide water conservation goals, the SVSP Area shall not under any circumstances be deemed out of compliance with its Water Conservation Plan water conservation objective as set forth herein."

f. Section 3.9 of the Development Agreement for the Second Amendment Property is hereby amended and revised in its entirety to read as follows:

"3.9 Recycled Water Facilities. Landowner shall construct recycled water system facilities as provided in this Section 3.9 and the Phasing Plan in Section 3.3, and as shown in Exhibit "U", attached hereto and made a part hereof. Recycled water shall be used for irrigation of parks and landscape setbacks, medians, paseos adjacent to collector streets and other landscape areas including all multi-family and non-residential landscaping uses. Landowner shall construct and dedicate upon completion thereof, a recycled water distribution system as generally shown in Exhibit "U". In the event that the WRSP has not constructed recycled water facilities necessary to serve the SVSP, Landowner shall construct the necessary off-site recycled facilities and obtain reimbursement from the WRSP in accordance with Section 4.2.2 herein.

City shall construct a recycled water tank(s), pump station expansion and appurtenant recycled water facilities on City property in the WRSP as required for the Project. City shall be responsible to dismantle and eliminate each potable water charging station (5 total) as set forth in Section 3.3, and make the appropriate connections to the WRSP recycled water system as part of the construction of the recycled water tank(s) and pump station expansion on City property in the WRSP. City costs, estimated at $5.3 million, associated with the recycled water tank(s), pump station expansion, elimination of the potable water charging stations and connections to the West Roseville Specific Plan recycled water

system, and appurtenant recycled water facilities (hereinafter, the "Recycled Water Facilities"), which include, but are not limited to, permitting, design, construction, design support during construction phase, construction management, inspection, and City's administrative and labor costs, shall be paid through a combination of methods, as follows:

(i) The City shall, as part of maximum special taxes in the Project CFD(s), as defined in Section 3.17.1 of the Agreement, include in such levy of maximum special taxes on all DUEs in the Specific Plan, comprised of 6,650 residential units and 2,095,236 square feet of non-residential building square footage, an amount of $30/sewer equivalent dwelling unit ("sewer EDU")/year starting at the time a water meter is installed for the particular land use or as classified as a developed parcel in the rate and method for the Project CFD(s);

(ii) The City shall levy up to maximum special taxes in the Project CFD(s), as defined in Section 3.17.1, necessary to generate what is estimated at $2.4 million (in year 2010 dollars), adjusted annually by the CCI, for a portion of the Recycled Water Facilities to be financed pursuant to this Section 3.9. Such maximum special taxes shall be levied at issuance of building permits in the case of residential land uses, and at certificate of occupancy for non-residential land uses, on a pro-rata basis for a Landowner's proportionate share of its obligation under this Section 3.9, with sewer EDUs on all properties in the SVSP as the denominator, and the sewer EDUs in a large lot parcel as the numerator, and shall remain in place until Landowner's proportionate share of the $2.4 million in pay-as-you-go special tax revenue for such Recycled Water Facilities set forth in this Section 3.9, as may be adjusted by the CCI, is fully paid.

(iii) City shall impose a charge for recycled water of $20/sewer EDU/month (based on meter size) over the standard City charge for irrigation service (including the use of potable water on an interim basis) as such standard recycled water charge may from time to time be adjusted by City, charged to future recycled water billing accounts in the Plan Area for landscape setbacks for high density residential and non-residential land uses, until such time as $2.9 million for the Recycled Water Facilities, beyond the $2.4 million of maximum special taxes collected, is fully funded; and

(iv) If the costs of the Recycled Water Facilities fall below or rise above the $5.3 million estimated cost, City shall adjust accordingly the amounts financed as set forth in this Section 3.9.

All recycled water system facilities including storage tank(s), pump station, transmission, distribution and public and private irrigation systems shall be designed and constructed pursuant to City's then

current Improvement Standards, unless modifications are otherwise mutually agreed to by Landowner and the Environmental Utilities Director, and shall be subject to City plan review, construction, inspection and final approval and payment of all applicable fees for plan review, mapping and inspection of such improvements.

If City adopts a revised water connection fee (which is uniformly applied on a City-wide basis and encompasses the estimated $5.3 million for the "Recycled Water Facilities" described in this Section 3.9), Landowner shall not be responsible for the payment of the estimated $5.3 million pro-rata share of the cost of the Recycled Water Facilities, except through the payment of the City's recycled water connection fee, or City's revised water connection fee if a recycled water connection fee is embedded into City's revised water connection fee, or any special benefit fees as may be applicable to the Project to fund the Recycled Water Facilities."

2. CONSISTENCY WITH GENERAL PLAN. The City Council has found and determined that this Second Amendment of the Development Agreement is consistent with the General Plan and the Sierra Vista Specific Plan.

3. AMENDMENT LIMITED TO SECOND AMENDMENT PROPERTY. This Second Amendment is limited to and applies only to development of the Second Amendment Property and does not affect or apply in any manner with respect to the development of any other property within the Sierra Vista Specific Plan Area, including without limitation, any other portion of the Property.

4. AMENDMENT. This Second Amendment amends, but does not replace or supersede, the Development Agreement, except as specified herein. As amended hereby with respect to the Second Amendment Property, the Development Agreement remains in full force and effect.

5. FORM OF AMENDMENT. This Second Amendment is executed in two duplicate originals, each of which is deemed to be an original.

IN WITNESS WHEREOF, the City of Roseville, a municipal corporation, has authorized the execution of this Second Amendment in duplicate by its City Manager and attested to by its City Clerk under the authority of Ordinance No. _____, adopted by the Council of the City of Roseville on the ____ day of _____, 2020.

CITY OF ROSEVILLE,
a municipal corporation

MOURIER INVESTMENTS, LLC, a
California limited liability company

By:_____
Dominick Casey
City Manager

By:_____
John L. Mourier, III
Managing Member

ATTEST:

By:_____
Sonia Orozco
City Clerk

APPROVED AS TO FORM;

By:_____
Robert R. Schmitt
City Attorney

APPROVED AS TO SUBSTANCE:

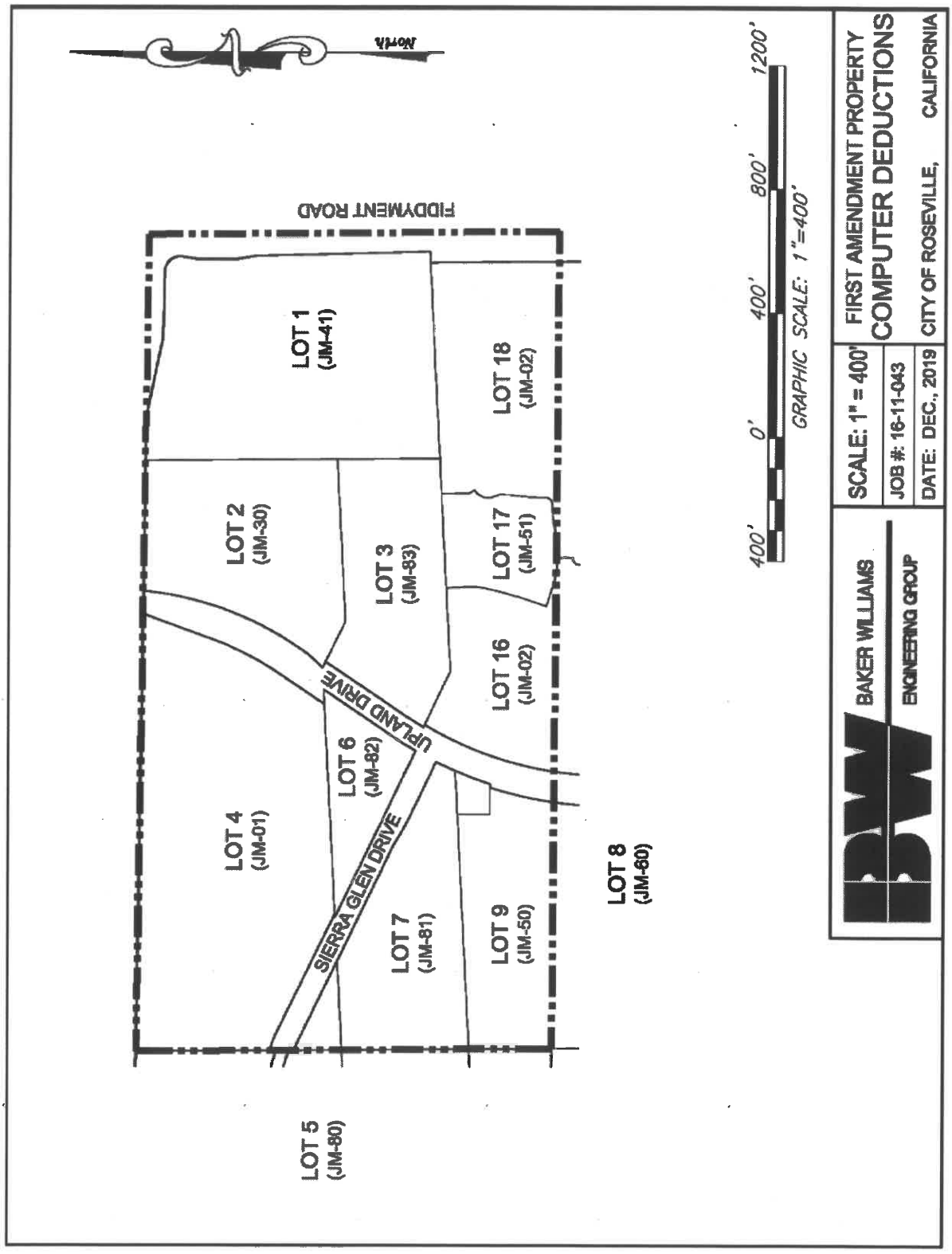
By:_____
Mike Isom
Development Services Director

EXHIBIT A
SECOND AMENDMENT PROPERTY

Legal Description for
Sierra Vista Development Agreement
Mourier Investments, LLC
(Computer Deductions, Inc.)

All that real property situate in the City of Roseville, County of Placer, State of California located in Section 36, Township 11 North, Range 5 East, M.D.M. being all of Lot 2 as shown on the Final Map of "The Villages at Sierra Vista", filed for record on July 29, 2015, in Book DD of Maps, at Page 26.

EXHIBIT B
DEPICTION OF SECOND AMENDMENT PROPERTY



CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT **CIVIL CODE § 1189**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of Placer)

On January 6, 2021 before me, KAREN Headley, a notary Public
Date *Here Insert Name and Title of the Officer*

personally appeared John L. Mourier III
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

KAREN HEADLEY
Notary Public - California
Placer County
Commission # 2258771
My Comm. Expires Oct 16, 2022

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____ Document Date: _____

Number of Pages: _____ Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator
☐ Other: _____
Signer Is Representing: _____

Signer's Name: _____
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator
☐ Other: _____
Signer Is Representing: _____

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