



AGENDA
May 4, 2016

CITY COUNCIL MEETING
7:00 p.m.
City Council Chambers
311 Vernon Street
Roseville, California

1. CALL TO ORDER

2. ROLL CALL

Councilmember: Bonnie Gore
Vice Mayor: Susan Rohan
Councilmember: Tim Herman
Councilmember: Pauline Roccucci
Mayor: Carol Garcia

3. PLEDGE OF ALLEGIANCE

4. MEETING PROCEDURES

NOTICE TO THE PUBLIC

All Items on the agenda will be open for the public comment before final action is taken. Speakers are requested to restrict comments to the item as it appears on the agenda and stay within a five (5) - minute time limit. The Mayor has the discretion of limiting the total discussion time for an item.

5. PRESENTATIONS

5.1. Proclamation - National Explosive Ordnance Disposal Day

Proclaim May 7, 2016 as National Explosive Ordnance Disposal Day and urge individuals to thank the Explosive Ordnance Disposal team members of the United States Armed Forces for their service to our country, and for their support of the Roseville and Rocklin Police Departments in keeping our officers and community safe.

CONTACT: Dee Dee Gunther 916-774-5015 ddgunther@roseville.ca.us

5.2. Proclamation - National Public Works Week

Proclaim May 15-21, 2016 as National Public Works Week and urge citizens and civic organizations to acquaint themselves with the issues involved in providing public works and recognize the contributions public works staff make toward health, safety, comfort, and quality of life.

CONTACT: Debbie Dion 916-774-5331 ddion@roseville.ca.us

6. PUBLIC COMMENTS

NOTICE TO THE PUBLIC

Persons may address the City Council on items not on this agenda. Please complete a "Speaker Information Card" and present it to the City Clerk prior to the start of the meeting. Speakers shall restrict their comments to issues that are within the subject jurisdiction of the City Council and limit their comments to three (3) minutes per person. The total time allocated for Public Comment is 25 minutes. The Brown Act, with certain exceptions, does not permit the City Council to discuss or take action on issues that are not listed on the agenda.

7. CONSENT CALENDAR

NOTICE TO THE PUBLIC

All matters listed under Consent Calendar are considered to be routine and all will be passed by one motion. There will be no discussion of these items unless members of the City Council or the public request specific items be removed from the Consent Calendar for separate discussion. Any member of the public may address the City Council on items on the Consent Calendar. Public comments on any item or items on the Consent Calendar are limited to five (5) minutes per speaker

BEGINNING OF CONSENT CALENDAR

Minutes

7.1. Minutes of Prior Meetings

Memo from City Clerk Sonia Orozco recommending Council approve the Minutes of March 28, 2016 City Council Special Closed Session.

CC #: 7654

File #: 0102-03

CONTACT: Sonia Orozco 916-774-5263 sorozco@roseville.ca.us

Bids / Purchases / Services

7.2. 2016 Bike Trail Resurfacing Project - Approval of Plans and Specifications and Authorization to Call for Bids

Memo from Assistant Engineer Cathy Gosalvez and Public Works Director Rhon Herndon recommending Council approve the plans and specifications for the 2016 Bike Trail Resurfacing Project and authorize staff to call for bids. The estimated cost for the project is \$204,000.00. The project will be paid for with local

transportation funds.

CC #: 7619

File #: 0721-05

CONTACT: Cathy Gosalvez 916-746-1300 cgosalvez@roseville.ca.us

7.3. 2016 Roseville Heights Curb Ramp Upgrade Project - Approval of Plans and Specifications and Authorization to Call for Bids and Budget Adjustment

Memo from Assistant Engineer Noah Siviglia and Public Works Director Rhon Herndon recommending Council approve the plans and specifications for the 2016 Roseville Heights Curb Ramp Upgrade Project and authorize staff to call for bids; and adopt ORDINANCE NO. 5675 OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE 2015-16 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN APPROPRIATION MEASURE. The project will construct approximately 22 curb ramps in the Roseville Heights neighborhood. The requested budget adjustment in the amount of \$150,000.00 from the Community Development Block Grant Fund will cover design, project management, construction contract, construction contingency, and construction management.

CC #: 7621

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

CONTACT: Noah Siviglia 916-746-1379 nsiviglia@roseville.ca.us

7.4. 2016 Residential Resurfacing Project - Approval of Plans and Specifications and Authorization to Call for Bids

Memo from Assistant Engineer Nick Graves and Public Works Director Rhon Herndon recommending Council approve the plans and specifications for the 2016 Residential Resurface Project and authorize staff to call for bids. The estimated cost for this project is \$1,988,700.00, which includes a 10% construction contingency. The project will be paid for with a combination of \$1,890,000.00 in Gas Tax funds and \$98,700.00 in General CIP Rehabilitation funds.

CC #: 7620

File #: 0900-04-01

CONTACT: Nick Graves 916-746-1300 ngraves@roseville.ca.us

7.5. Vehicle Purchase

Memo from Buyer Peter Brevik and Central Services Director Paul Diefenbach recommending Council authorize a purchase order to National Auto Fleet Group for one Ford F550 with a dura class dump body vehicle utilizing NJPA contract 102811-NAF. The total cost of one Ford F550 with dura class dump body vehicle is \$93,641.93. Funding for this vehicle is included in the FY2015/16 Auto Replacement Budget.

CC #: 7641

File #: 0203-01

CONTACT: Peter Brevik 916-774-5724 pbrevik@roseville.ca.us

7.6. Cobra Head Street Light Luminaires (RFQ 01-3072) - Purchase Order

Memo from Buyer Joanna Oukrop and Central Services Director Paul Diefenbach recommending Council authorize purchase orders to Edges Electrical Group as the lowest responsive bidder for RFQ 01-3072 for Cobra Head street light luminaires. The total estimated cost of the luminaires from date of contract award through June 30, 2017 is \$100,000.00 or not to exceed department budgeted amounts. Funding is included in the Electric Department's FY2015/16 Budget and in their proposed FY2016/17 Budget pending Council approval of budgets.

CC #: 7623

File #: 0203-07

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

7.7. Changeable Message Sign - Purchase Order

Memo from Associate Engineer Tito Zamora and Public Works Director Rhon Herndon recommending Council approve a purchase order with Daktronics, Inc. for an LED changeable message sign. Total cost of the sign is \$38,657.00 including sales tax. The funding source is Federal Congestion Management Air Quality grant funds.

CC #: 7649

File #: 0203-13-02

CONTACT: Tito Zamora 916-746-1300 tzamora@roseville.ca.us

7.8. Copy and Printing Services - Service Agreement Amendment

Memo from Information Technology Division Manager Michael Sinor and Chief Information Officer Hong Sae recommending Council adopt RESOLUTION NO. 16-142 APPROVING AMENDMENT NO. 1 TO SERVICE AGREEMENT BETWEEN CITY OF ROSEVILLE AND RAY MORGAN COMPANY, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE (S1003168). This is a request for authorization to amend an existing contract for copying and printing services with the Ray Morgan Company. The contract amendment will provide an end date of June 30, 2018 and allow the City to replace failing equipment with short term rental equipment, rather than long term lease-to-own equipment. The total amount of the amended contract over 25 months is \$675,000.00.

CC #: 7631

File #: 0203-04

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

7.9. Maidu Park Accessible Parking Improvements Project - Award of Contract

Memo from Park Development Analyst Rjahja Canlas and Parks, Recreation & Libraries Director Dion Louthan recommending Council adopt RESOLUTION NO. 16-139 APPROVING AN AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND CENTRAL VALLEY ENGINEERING AND ASPHALT, INC., AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE. The project scope includes improvements to the accessible parking ramps and stalls adjacent to the Maidu Library and Maidu Community Center. Construction costs for the project is \$58,550.00. Staff also requests authorization to approve change order requests in an amount not to

exceed \$9,000 or 15% of the contracted amount. Funding for the project was originally approved in FY2014/15 through the General CIP Rehabilitation Fund. Additional funding from the General CIP Rehabilitation Fund was allocated in the FY2015/16 Budget for this project.

CC #: 7627

File #: 0704-01

CONTACT: Rjahja Canlas 916-774-5505 rcanlas@roseville.ca.us

Resolutions

7.10. Westbrook Phase 1 Frontages Westbrook Boulevard Phase "B" - Certificate of Completion

Memo from Senior Construction Inspector John Hernandez and Development Services Director Kevin Payne recommending Council adopt RESOLUTION NO. 16-153 OF THE COUNCIL OF THE CITY OF ROSEVILLE ACCEPTING THE PUBLIC WORK KNOWN AS WESTBROOK PHASE I FRONTAGES WESTBROOK BOULEVARD PHASE "B" PROJECT, APPROVING THE "CERTIFICATE OF COMPLETION", AND AUTHORIZING AND DIRECTING THE CITY ENGINEER TO EXECUTE SAID NOTICE ON BEHALF OF THE CITY OF ROSEVILLE, THEREFORE, AND ACCEPTING ALL DEDICATIONS OFFERED ON THE RECORDED MAP OF THE SUBDIVISION. The Engineering Division has made final inspection of the project and has found the roadway infrastructure work complete and 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 #: 7652

File #: 0400-04-12-1

CONTACT: John Hernandez 916-774-5486 jhernandez@roseville.ca.us

7.11. Westpark Village Center W-26 Phase 1 - Certificate of Completion

Memo from Senior Construction Inspector John Hernandez and Development Services Director Kevin Payne recommending Council adopt RESOLUTION NO. 16-145 OF THE COUNCIL OF THE CITY OF ROSEVILLE ACCEPTING THE PUBLIC WORK KNOWN AS WESTPARK – VILLAGE CENTER W-26 PHASE 1 PROJECT, APPROVING THE "CERTIFICATE OF COMPLETION", AND AUTHORIZING AND DIRECTING THE CITY ENGINEER TO EXECUTE SAID NOTICE ON BEHALF OF THE CITY OF ROSEVILLE, THEREFORE, AND ACCEPTING ALL DEDICATIONS OFFERED ON THE RECORDED MAP OF THE SUBDIVISION. The Engineering Division has made final inspection of the above project and has found the roadway infrastructure 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 #: 7634

File #: 0400-04-09-1

CONTACT: John Hernandez 916-774-5486 jhernandez@roseville.ca.us

7.12. Trio Leasing Program - Cooperative Agreement

Memo from Housing Analyst Trisha Isom and Economic Development Director Chris Robles recommending Council adopt RESOLUTION NO. 16-151 APPROVING A COOPERATIVE AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND THE CALIFORNIA AFFORDABLE HOUSING AGENCY, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE. This is a request for the City of Roseville to enter into a Cooperative Agreement with the California Affordable Housing Agency in order to purchase single family housing units for a lease to own program and help renters become homeowners in the City of Roseville. The Agency runs the leasing program including marketing, implementation, capital, asset management, and servicing. This lease to own program would open up home ownership and the opportunity to lock in today's low interest rates under an assumable mortgage for many renters who desire to own in the City of Roseville. This program will not require City staff resources nor require any General Fund expenditures.

CC #: 7644

File #: 0709-01

CONTACT: Trisha Isom 916-746-1239 tisom@roseville.ca.us

7.13. Stoneridge East Parcel 49 Phase 1 and Phase 2, Village 10 Bus Shelter #245 - Transit Bus Shelter Construction Fee Agreement

Memo from Administrative Technician Anita Giordano and Public Works Director Ron Herndon recommending Council adopt RESOLUTION NO. 16-147 APPROVING A TRANSIT BUS SHELTER CONSTRUCTION FEE AGREEMENT BETWEEN CITY OF ROSEVILLE AND ELLIOT HOMES, INC., AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE. Bus shelter #245 will be build at 7200 Sierra College Boulevard. The developer, Elliot Homes, has remitted \$10,000.00 for the full and present cost of the bus shelter, which provides security for bus shelter #245 to be installed in the future. There is no fiscal impact to the City's General Fund or Transportation Development Act funds.

CC #: 7637

File #: 0721

CONTACT: Anita Giordano 916-774-5385 agiordano@roseville.ca.us

7.14. On-Call Material Testing - Professional Services Agreement

Memo from Senior Engineer Guy Howes and Development Services Director Kevin Payne recommending Council adopt RESOLUTION NO. 16-141 APPROVING A PROFESSIONAL SERVICES AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND ENGEO, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE. The City's current On-Call material testing contract will expire in June, 2016. This is a two year agreement with a one year extension option for a not-to-exceed fee of \$300,000.00. Actions requested as part of this item have a no impact to the City's General Fund. Development agreements between the City and developers require the owners/developers to reimburse the City for actual costs of providing plan check and inspection services. Similarly, Capital Improvement Projects budgets include funds for construction management services. The entire amount of this agreement is considered "pass-through" in which all construction services would

be reimbursed by either owners/developers or allocated CIP budgets with no incurred expenses to the General Fund.

CC #: 7630

File #: 0800-06

CONTACT: Guy Howes 916-774-5430 ghowes@roseville.ca.us

7.15. On-Call Materials Testing - Professional Services Agreement

Memo from Senior Engineer Guy Howes and Development Services Director Kevin Payne recommending Council adopt RESOLUTION NO. 16-140 APPROVING A PROFESSIONAL SERVICES AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND BLACKBURN CONSULTING, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE. This is a two year agreement with a one year extension option for a not-to-exceed fee of \$300,000.00. The actions requested as part of this item have no impact to the City's General Fund. Development agreements between the City and developers require the owners/developers to reimburse the City for actual costs of providing plan check and inspection services. Similarly, Capital Improvement Projects budgets include funds for construction management services. The entire amount of this agreement is considered "pass-through" in which all construction services would be reimbursed by either owners/developers or allocated CIP budgets with no incurred expenses to the General Fund.

CC #: 7629

File #: 0800-06

CONTACT: Guy Howes 916-774-5430 ghowes@roseville.ca.us

7.16. Sierra Vista Specific Plan Correctory Irrevocable Offers of Dedication

Memo from Assistant Engineer Kerry Andrews and Development Services Director Kevin Payne recommending Council adopt RESOLUTION NO. 16-146 CONSENTING TO THE RECORDATION OF IRREVOCABLE OFFERS OF DEDICATION FOR BACKBONE INFRASTRUCTURE FOR THE SIERRA VISTA SPECIFIC PLAN. This item requests Council's consent for recordation of the irrevocable offers of dedication (IODs) from KV Sierra Vista, LLC, and reserve the right to accept the IODs or any portion thereof at a later date. The actions requested will have no fiscal impact to the General Fund.

CC #: 7635

File #: 0400-04-12-1

CONTACT: Kerry Andrews 916-774-5339 kandrews@roseville.ca.us
Chris Kraft 916-774-5373 ckraft@roseville.ca.us

7.17. Harding to Royer Bike Trail Segment 3 Project - Professional Services Agreement Amendment

Memo from Assistant Engineer Cathy Gosalvez and Public Works Director Rhon Herndon recommending Council adopt RESOLUTION NO. 16-137 APPROVING A FIRST AMENDMENT TO PROFESSIONAL SERVICES AGREEMENT BETWEEN THE CITY OF ROSEVILLE AND ICF JONES & STOKES, INC., AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE. This is a request to approve the First Amendment to the

Professional Services Agreement with ICF Jones & Stokes, Inc. for Environmental Permitting Services for the Harding to Royer Bike Trail Segment 3 Project. The cost of the additional environmental services is \$28,915.00, bringing the total contract amount to \$45,657.00. Funding is from a combination of Transportation Development Act and Congestion Mitigation and Air Quality funds and is already included in the project's budget so no budget adjustment is necessary.

CC #: 7625

File #: 0721-05

CONTACT: Cathy Gosalvez 916-746-1300 cgosalvez@roseville.ca.us

7.18. Storm Water Design Manual Update

Memo from Engineering Manager Chris Kraft and Development Services Director Kevin Payne recommending Council adopt RESOLUTION NO. 16-152 ADOPTING THE WEST PLACER STORM WATER QUALITY DESIGN MANUAL. This action updates and replaces the previously adopted Storm Water Design Manual approved by City Council in August of 2007 to conform with the current mandate requirements of the City's State Issued MS4 Storm Water Permit. This action does not impact the City's General Fund.

CC #: 7645

File #: 0800-06 & 0800-02

CONTACT: Chris Kraft 916-774-5373 ckraft@roseville.ca.us

7.19. Safety Consulting Services - Professional Services Agreement

Memo from Risk Manager Dave Rawe and Human Resources Director Gayle Satchwell recommending Council adopt RESOLUTION NO. 16-144 APPROVING A PROFESSIONAL SERVICES AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND DKF SOLUTIONS GROUP, LLC, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE. Staff is requesting approval of an agreement with DKF Solutions Group for Safety Consulting Services and to perform a Safety Program Gap Analysis effective immediately. The proposed contract is for a not to exceed \$50,000.00 for services and has been budgeted in the current FY16 Risk Management Budget.

CC #: 7633

File #: 0600

CONTACT: Dave Rawe 916-774-5207 drawe@roseville.ca.us

7.20. Roseville Aquatics Complex - Concession Agreement

Memo from Recreation Superintendent Alexa Pritchard and Parks, Recreation & Libraries Director Dion Louthan recommending Council adopt RESOLUTION NO. 16-143 APPROVING AN AGREEMENT BETWEEN THE CITY OF ROSEVILLE AND CLOVER CONCESSIONAIRES, INC DBA DAVE'S DAWGS, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE. This is an agreement with Clover Concessionaires, Inc. dba Dave's Dawgs to operate concession services at the Roseville Aquatics

Complex for 2016 season. After the first \$2,500.00 in net sales earned by Dave's Dawgs, the City will receive 10% of all subsequent net sales and the City will reimburse Dave's Dawgs \$2,000.00 to offset increased insurance costs. Funds for this agreement have been approved in the FY2015/16 Aquatics Division Operations Budget.

CC #: 7632

File #: 707

CONTACT: Alexa Pritchard 774-5949 apritchard@roseville.ca.us

7.21. Central Park Phase 3 Project - Professional Design Services Agreement Amendment

Memo from Park Development Analyst Rjahja Canlas and Parks, Recreation & Libraries Director Dion Louthan recommending Council adopt RESOLUTION NO. 16-136 APPROVING A FIRST AMENDMENT TO AGREEMENT FOR PROFESSIONAL DESIGN SERVICES BETWEEN THE CITY OF ROSEVILLE AND FUHRMAN LEAMY LAND GROUP, INC. AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE. In October 2014, an agreement was entered into with Fuhrman Leamy Land Group, Inc. to prepare construction documents for Phase 3 of Central Park. This amendment with Fuhrman Leamy Land Group, Inc. will focus on addressing the undeveloped areas of the park slated for a future phase of work. The fee for the additional work is \$39,250.00. Allocations for the preparation of the construction documents were approved in the FY2014/15 and have been carried forward to the FY 2015/16 Budget.

CC #: 7622

File #: 0704-01

CONTACT: Rjahja Canlas 916-774-5505 rcanlas@roseville.ca.us

7.22. Street Closure Request - May 14, 2016 - Woof, Wine & Dine Event

Memo from Community Relations Analyst Jamie Hazen and Parks, Recreation & Libraries Director Dion Louthan recommending Council RESOLUTION NO. 16-149 APPROVING AN AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND THE PLACER COUNTY SOCIETY FOR THE PREVENTION OF CRUELTY TO ANIMALS AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE. Staff requests the closure of South Grant Street between Vernon Street and Oak Street. The closure times will be 4:00 – 6:00 p.m. and 9:30 – 11:00 p.m., May 14, 2016 for the Woof, Wine & Dine event. All costs associated with this event for City services will be reimbursed by the Placer County SPCA.

CC #: 7640

File #: 0109-02

CONTACT: Jamie Hazen 916-774-5978 jhazen@roseville.ca.us

7.23. Street Closure Request - May 18, 2016 - Sun City's 20th Anniversary Parade

Memo from Community Relations Analyst Jamie Hazen and Parks, Recreation & Libraries Director Dion Louthan recommending Council adopt RESOLUTION NO. 16-148 APPROVING AN AGREEMENT BY AND BETWEEN THE CITY OF

ROSEVILLE AND SUN CITY ROSEVILLE COMMUNITY ASSOCIATION, INC., AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE. Staff requests the closure of the following streets on Wednesday, May 18, 2016 from 8:00 a.m. – 12:00 p.m.: Del Webb Boulevard from Sun City Boulevard to Rose Garden Lane, Timberrose Way from Del Webb Boulevard to Lost Lake Lane, and School House Lane from Timberrose Way to Apple Hollow Loop for the Sun City Roseville 20th Anniversary Parade. All costs associated with this event for City services will be reimbursed by the Sun City Roseville Community Association.

CC #: 7639

File #: 0109-02

CONTACT: Jamie Hazen 916-774-5978 jhazen@roseville.ca.us

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

7.24. Disaster Recovery System - Budget Adjustment

Memo from Department Public Information Officer Dee Dee Gunther and Police Chief Daniel Hahn recommending Council adopt ORDINANCE NO. 5679 OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE 2015-16 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN APPROPRIATION MEASURE. Staff is requesting that a total of \$56,000.00 be transferred from three different accounts from the Police Department's FY2016 General Fund Budget into the Police Rehab Capital Improvement Fund. The additional funds are needed to purchase off-site disaster recovery data storage and related network improvements to the public safety computer system. Sufficient funds are available in the current year General Fund budget, and there will be no net fiscal impact.

CC #: 7651

File #: 0201-01 & 0323

CONTACT: Claudia Villa 916-774-5003 cvilla@roseville.ca.us

7.25. Water Operations Fund - Budget Adjustment

Memo from Business Services Administrator Carol Margetich and Environmental Utilities Director Richard Plecker recommending Council adopt ORDINANCE NO. 5678 OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE 2015-16 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN APPROPRIATION MEASURE. The requested ordinance approves a \$3,500,000.00 budget adjustment to transfer available funds from the Water Operations Fund to the Water Rehabilitation Fund and the Water Rate Stabilization Fund. The proposed transfer will fortify Water Rate Stabilization Fund and Water Rehabilitation Fund reserves consistent with financial policy goals.

CC #: 7643

File #: 0201-01 & 0800-02

CONTACT: Carol Margetich 916-746-1712 cmargetich@roseville.ca.us

7.26. Staffing and Salary Schedule Changes

Memo from Senior Human Resources Analyst Linda Hampton and Human Resources Director Gayle Satchwell recommending Council adopt ORDINANCE NO. 5676 OF THE COUNCIL OF THE CITY OF ROSEVILLE AMENDING ORDINANCE NO. 5643, THE SALARY ORDINANCE FOR MANAGEMENT EMPLOYEES, AS AMENDED BY APPENDIX "C" TO BE EFFECTIVE MAY 14, 2016, AS AN URGENCY MEASURE. Staff recommends the City Council approve Management A & B salary schedules to reflect the new classifications for Housing Manager, Assistant Human Resources Director, Refuse and Stormwater Manager, Environmental Utilities Rate Analyst I/II, Environmental Utilities Business Services Administrator, and Water Distribution Superintendent to support the City's current business needs. Staff is also recommending Council approve an allocation schedule reflecting the addition of one Assistant Human Resources Director, one Refuse and Stormwater Manager, three Environmental Utilities Rate Analyst I/II, one Environmental Utilities Business Services Administrator and one Administrative Technician allocations. These positions will be filled as promotional opportunities with the resulting vacancies being eliminated. Also recommended is the addition of one Water Distribution Superintendent and one Water Distribution Supervisor to the Environmental Utilities allocation schedule. In addition, staff is recommending a salary increase for the Central Services Director due to expanded responsibilities. The proposed changes will result in an annual cost of \$335,779.00 to the Enterprise Fund and \$86,721.00 to the General Fund and a fiscal impact of \$25,829.00 to the enterprise fund and \$6,671.00 to the General Fund which can be absorbed in the FY16 Budget.

CC #: 7638

File #: 0600-01

CONTACT: Linda Hampton 916-774-5215 lhampton@roseville.ca.us

Ordinances (for second reading and adoption)

7.27. Second Reading of Ordinance - Westbrook Phases 2 & 3 - Westbrook Development Agreement Amendment, Westpark Development Agreement Amendment, and Rezone

ORDINANCE NO. 5680 OF THE COUNCIL OF THE CITY OF ROSEVILLE ADOPTING THE SEVENTH AMENDMENT OF THE DEVELOPMENT AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND WEST ROSEVILLE, LLC, AS ASSIGNEE OF PL ROSEVILLE, LP RELATIVE TO THE WEST ROSEVILLE SPECIFIC PLAN AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE; and ORDINANCE NO. 5681 OF THE COUNCIL OF THE CITY OF ROSEVILLE ADOPTING THE FIRST AMENDMENT OF DEVELOPMENT AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND WESTPARK S.V. 400, LLC, RELATIVE TO THE SIERRA VISTA SPECIFIC PLAN AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE; and ORDINANCE NO. 5682 OF THE COUNCIL OF THE CITY OF ROSEVILLE REZONING CERTAIN REAL PROPERTY LOCATED IN THE WESTBROOK PHASE 2 AND PHASE 3 PORTIONS OF THE SIERRA VISTA SPECIFIC PLAN. for second reading and adoption.

CC #: 7653

File #: 0400-04-12-1

CONTACT: Lauren Hocker 916-774-5272 lhocker@roseville.ca.us

Reports / Requests

7.28. Out-of-State Travel Request - City Manager's Office

Memo from Government Relations Administrator Mark Wolinski and Public Affairs & Communications Director Megan MacPherson recommending Council approve out of state travel for the Mayor and Government Relations Administrator, Mark Wolinski, to attend the U.S. Conference of Mayors 84th Annual Conference in Indianapolis, IN, June 24-27, 2016. This conference provides an exceptional program focusing on an array of critical issues for cities across the nation. The conference affords Mayors and staff with the opportunity to voice their opinions and set the organization's agenda on issues such as water, economic development, housing, public safety and energy. In addition, the conference provides workshops on best practices including program development, funding and implementation. The estimated cost for travel and conference attendance for two is \$6,000.00. Funds are available in the City Council and City Manager's Budgets for FY2015/16 to cover the costs.

CC #: 7628

File #: 0600-02

CONTACT: Mark Wolinski 916-774-5179 mwolinski@roseville.ca.us

7.29. Single Audit Report for Fiscal Year Ended June 30, 2015

Memo from Accounting Supervisor Jacquelyn Flickinger and Finance Director Monty Hanks with a Single Audit Report which includes the Memorandum on Internal Control and Required Communications. The audit is conducted in accordance with auditing standards generally accepted in the United States of America, the standards applicable to financial audits contained in Government Auditing Standards, and OMB Circular A-133. There is no impact to the City's General Fund.

CC #: 7636

File #: 0201-02

CONTACT: Jacquelyn Flickinger 916-774-5516 jflickinger@roseville.ca.us

Ceremonial Documents

7.30. Resolution of Commendation and Appreciation to Jeanette Mervau

Jeanette Mervau be commended for her outstanding service and dedication to the City of Roseville, congratulated for her many accomplishments, and wished a long, healthy, and enjoyable retirement.

CC #: 7646

File #: 0102-10

CONTACT: Susan Schinnerer 916-774-5204 sschinnerer@roseville.ca.us

7.31. Resolution of Commendation and Appreciation to Robert Condo

Robert Condo be commended for his outstanding service and dedication to the

City of Roseville, congratulated for his many accomplishments, and wished a long, healthy, and enjoyable retirement.

CC #: 7647

File #: 0102-10

CONTACT: Karen Sainsbury 916-746-1704 ksainsbury@roseville.ca.us

END OF CONSENT CALENDAR

8. MINUTES

8.1. Minutes of Prior Meetings

Memo from City Clerk Sonia Orozco recommending Council approve the Minutes of March 2, 2016 City Council Meeting (Rohan absent), and March 16, 2016 City Council Special Closed Session/City Council Meeting (Rohan absent).

CC #: 7650

File #: 0102-03

CONTACT: Sonia Orozco 916-774-5263 sorozco@roseville.ca.us

9. SPECIAL REQUESTS/REPORTS/PRESENTATION

9.1. Medical Marijuana Regulation Presentation

Presentation by Bekki Riggan, Deputy CEO, and Josh Huntsinger, Agriculture Commission/Sealer on Placer County's community outreach approach.

CC #: 7655

File #: 0102-11

CONTACT: Sonia Orozco 916-774-5263 sorozco@roseville.ca.us

9.2. FY2016-17 Budget Update - Electric Department

Memo from Electric Rates & Financial Administrator Philip McAvoy and Electric Utility Director Michelle Bertolino with an informational report. The FY2016/17 Budget preparation is underway and staff wants to keep the City Council informed with various budget related information and estimates as they become available. The updates are intended to solicit input and feedback from Council to ensure staff prepares their budgets that support Council goals and priorities outlined during the budget workshop. There is no fiscal impact for this report.

CC #: 7624

File #: 0800-03

CONTACT: Philip McAvoy 916-774-5689 pmcavoy@roseville.ca.us

10. ORDINANCES

10.1. Washington Boulevard/Andora Bridge Widening Project - Professional Design Services Agreement and Budget Adjustment

Memo from Associate Engineer Luz "Nina" Buelna and Public Works Director Rhon Herndon recommending Council adopt RESOLUTION NO. 16-150 APPROVING A

PROFESSIONAL DESIGN SERVICES AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND MARK THOMAS & COMPANY, INC., AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE; and adopt ORDINANCE NO. 5677 OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE 2015-16 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN APPROPRIATION MEASURE. This is a request for Council to approve a Professional Design Services Agreement with Mark Thomas & Company (MT&Co) for Environmental and Engineering Services and authorizing the City Manager to execute it, in the not to exceed amount of \$3,470,182.00 for the Washington Boulevard/Andora Bridge Widening Project, and authorize a budget adjustment to transfer \$1,814,300.00 from the Traffic Mitigation Fund to the project account to cover the full contract cost and City staff time. The environmental and design portion of the project is fully funded with Traffic Mitigation Fees.

CC #: 7642

File #: 0900-04-02 & 0201-01

CONTACT: Luz "Nina" Buelna 916-746-1300 nbuelna@roseville.ca.us

11. COUNCIL / STAFF / REPORTS/ COMMENTS

12. ADJOURNMENT



COUNCIL COMMUNICATION

CC #: 7648
File #: 0102-06

Title: Proclamation - National Explosive Ordnance Disposal Day
Contact: Dee Dee Gunther 916-774-5015 ddgunther@roseville.ca.us

Meeting Date: 5/4/2016
Item #: 5.1.

RECOMMENDATION TO COUNCIL

Proclaim May 7, 2016 as National Explosive Ordnance Disposal Day and urge individuals to thank the Explosive Ordnance Disposal team members of the United States Armed Forces for their service to our country, and for their support of the Roseville and Rocklin Police Departments in keeping our officers and community safe.

BACKGROUND

N/A

FISCAL IMPACT

N/A

ECONOMIC DEVELOPMENT / JOBS CREATED

N/A

ENVIRONMENTAL REVIEW

N/A

Respectfully Submitted,

Dee Dee Gunther, Department Public Information Officer

Daniel Hahn, Police Chief



Rob Jensen, City Manager

ATTACHMENTS:

Description



COUNCIL COMMUNICATION

CC #: 7656
File #: 0102-06

Title: Proclamation - National Public Works Week
Contact: Debbie Dion 916-774-5331 ddion@roseville.ca.us

Meeting Date: 5/4/2016
Item #: 5.2.

RECOMMENDATION TO COUNCIL

Proclaim May 15-21, 2016 as National Public Works Week and urge citizens and civic organizations to acquaint themselves with the issues involved in providing public works and recognize the contributions public works staff make toward health, safety, comfort, and quality of life.

BACKGROUND

N/A

FISCAL IMPACT

N/A

ECONOMIC DEVELOPMENT / JOBS CREATED

N/A

ENVIRONMENTAL REVIEW

N/A

Respectfully Submitted,

Debbie Dion, Administrative Assistant

Rhon Herndon, Public Works Director



Rob Jensen, City Manager

ATTACHMENTS:

Description



COUNCIL COMMUNICATION

CC #: 7654
File #: 0102-03

Title: Minutes of Prior Meetings
Contact: Sonia Orozco 916-774-5263 sorozco@roseville.ca.us

Meeting Date: 5/4/2016
Item #: 7.1.

RECOMMENDATION TO COUNCIL

Approve the Minutes of March 28, 2016 City Council Special Closed Session.

BACKGROUND

N/A

FISCAL IMPACT

N/A

ECONOMIC DEVELOPMENT / JOBS CREATED

N/A

ENVIRONMENTAL REVIEW

N/A

Respectfully Submitted,

Sonia Orozco, City Clerk

A handwritten signature in blue ink, appearing to read "Sonia Orozco", with a long horizontal flourish extending to the right.

Rob Jensen, City Manager

ATTACHMENTS:

Description

March 28, 2016 City Council Closed Session



MINUTES

March 28, 2016

CITY COUNCIL SPECIAL CLOSED SESSION

7:00 p.m.

Hutchison Conference Room

311 Vernon Street

Roseville, California

A. CLOSED SESSION CALL TO ORDER

Mayor Garcia called the meeting to order at 7:00 p.m.

B. CLOSED SESSION SILENT ROLL CALL

Councilmember:	Bonnie Gore	Present
Mayor:	Susan Rohan	Present
Councilmember:	Tim Herman	Present
Councilmember:	Pauline Roccucci	Present
Mayor:	Carol Garcia	Present

C. CLOSED SESSION PUBLIC COMMENTS

No public comment received.

D. CLOSED SESSION

- D.1. Public Employee Performance Evaluation
Pursuant to Government Code Section 54957(b)(1):
Performance Evaluation: City Attorney
CONTACT: Vicki Philpott 916-774-5353 vphilpott@roseville.ca.us

Closed Session Disclosure: No reportable action taken.

E. CLOSED SESSION ADJOURNMENT

Motion by Herman, seconded by Gore, to adjourn the meeting at 8.00 p.m.

CAROL GARCIA, MAYOR

SONIA OROZCO, CMC
CITY CLERK



COUNCIL COMMUNICATION

CC #: 7619
File #: 0721-05

Title: 2016 Bike Trail Resurfacing Project - Approval of Plans and Specifications and Authorization to Call for Bids
Contact: Cathy Gosalvez 916-746-1300 cgosalvez@roseville.ca.us

Meeting Date: 5/4/2016
Item #: 7.2.

RECOMMENDATION TO COUNCIL

Staff recommends the City Council approve the plans and specifications for the 2016 Bike Trail Resurfacing Project and authorize staff to call for bids.

BACKGROUND

The scope of this project consists of resurfacing various bike trails throughout the City. The resurfacing provides a water proof membrane to protect the existing bike trail surface and extend the life of the underlying pavement. This project is part of our proactive bike trail maintenance program designed to seal, protect, and preserve the underlying pavement by placing relatively affordable asphalt resurfacing products at 7 to 10 year intervals to keep our bike trails in good condition to avoid pavement failure that would require more costly rehab/reconstruction. To date, we have been keeping track of which bike trail segments have been resurfaced so that we know when certain segments of trail are due for another resurfacing treatment. Our plan is to ultimately have all of our bike trail maintenance data inputted into our software database that we use for roadway resurfacing. We anticipate construction to begin in early August 2016 with completion by the end of September 2016. Construction plans and specifications for the project have been completed and are available at the City Clerk's Office for Council's review.

See "Exhibit A" for locations of bike trails to be resurfaced.

FISCAL IMPACT

The Engineer's estimate for construction is approximately \$204,000. This project is fully funded with Local Transportation Funds. No General Funds will be used.

ECONOMIC DEVELOPMENT / JOBS CREATED

Based on Federal guidelines, there is one job created for every \$92,000.00 in direct government spending. Based on that figure, this project will create approximately two jobs.

ENVIRONMENTAL REVIEW

The proposed project involves the maintenance 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,

Cathy Gosalvez, Assistant Engineer

Rhon Herndon, Public Works Director



Rob Jensen, City Manager

ATTACHMENTS:

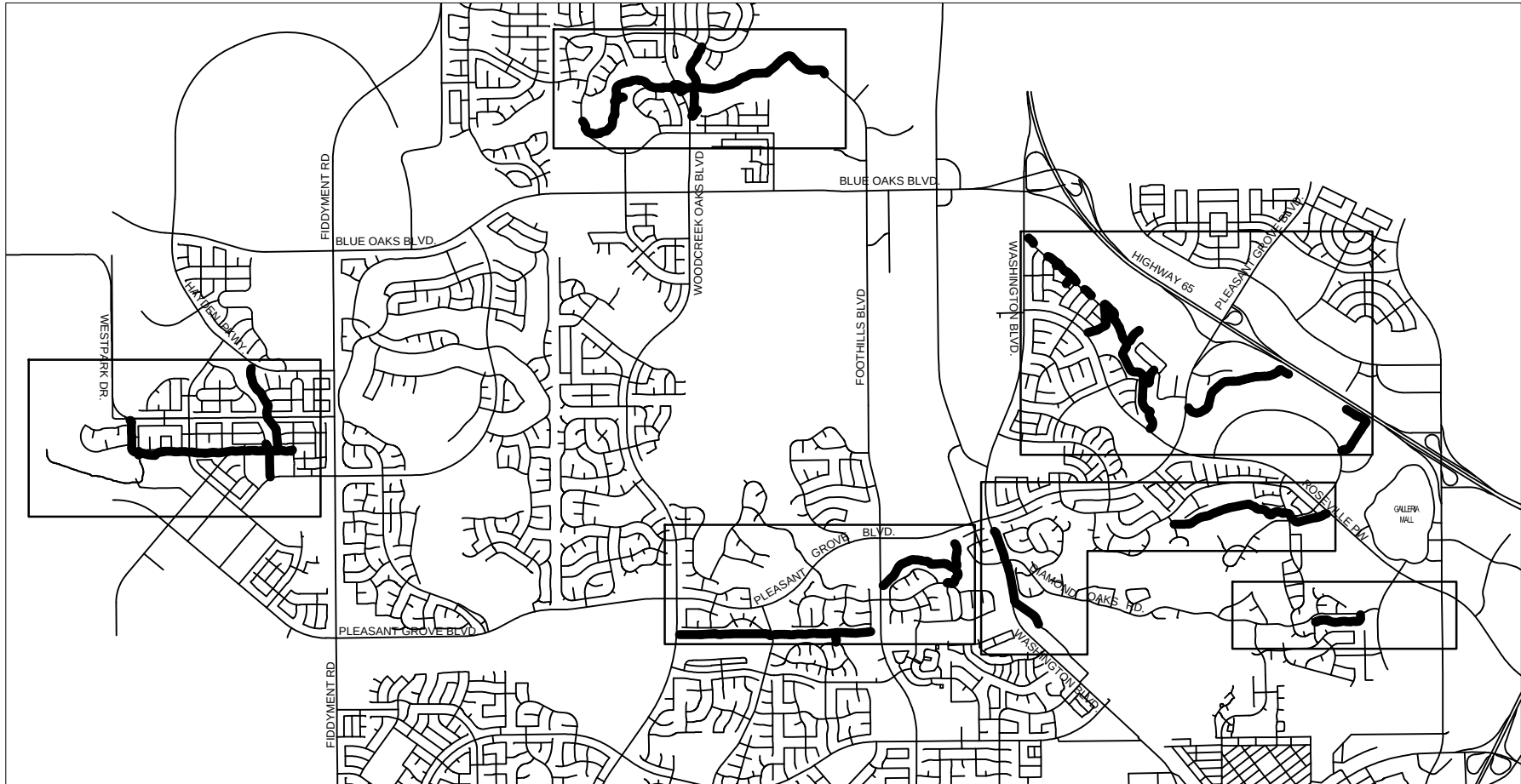
Description

Exhibit A_2016 Bike Trail Resurfacing Location Map

2016 Bike Trail Resurfacing Project Manual

EXHIBIT A

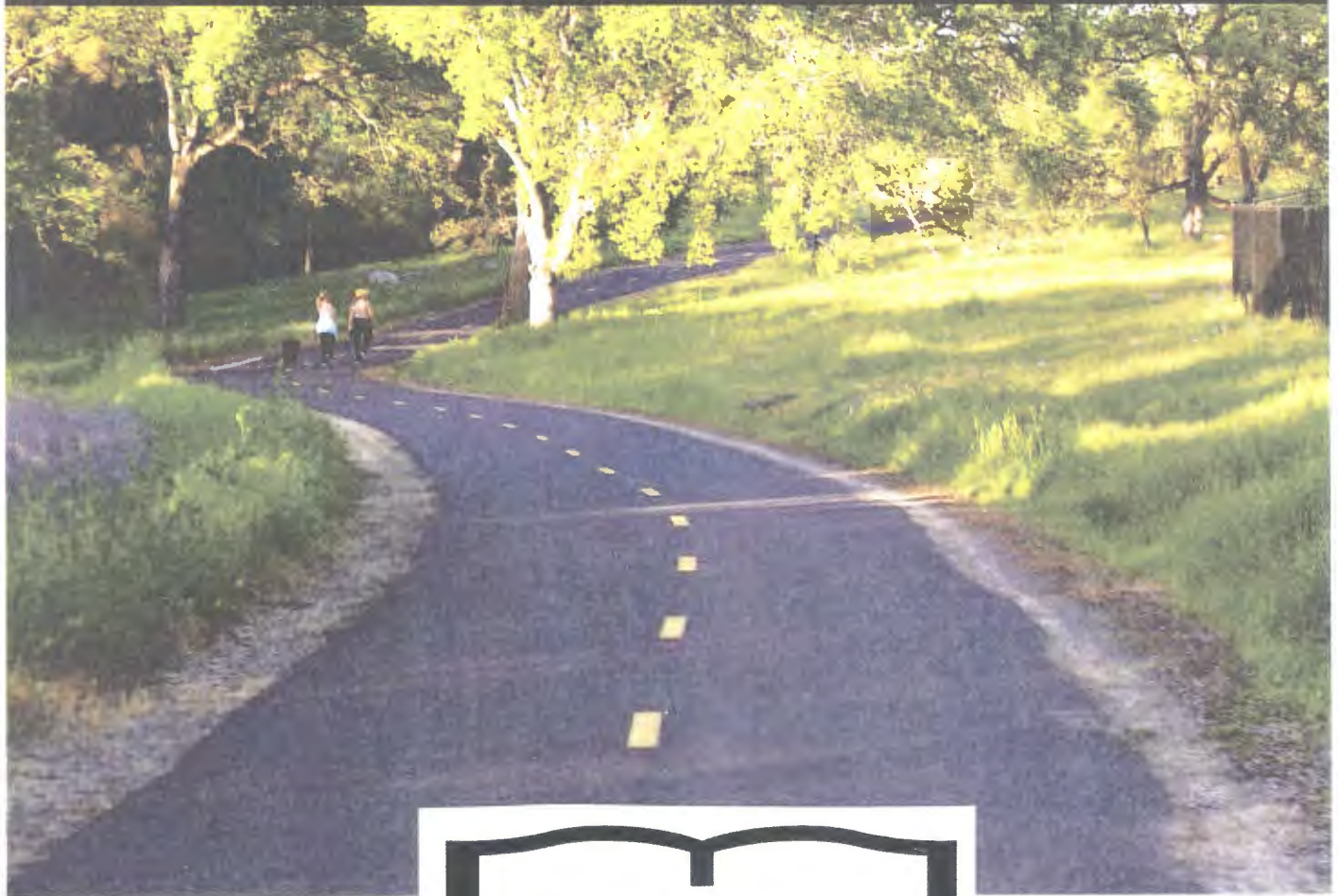
2016 BIKE TRAIL RESURFACING PROJECT



PROJECT LOCATIONS INDICATED BY BOLD LINES

2016 Bike Trail Resurfacing Project

Public Works - Engineering



**FOR REVIEW,
A COMPLETE COPY
IS ON FILE IN THE
CITY CLERK DEPARTMENT**



COUNCIL COMMUNICATION

CC #: 7621

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

Title: 2016 Roseville Heights Curb Ramp Upgrade Project - Approval of Plans and Specifications and Authorization to Call for Bids and Budget Adjustment

Contact: Noah Siviglia 916-746-1379 nsiviglia@roseville.ca.us

Meeting Date: 5/4/2016

Item #: 7.3.

RECOMMENDATION TO COUNCIL

Staff recommends that the City Council approve the plans and specifications for the 2016 Roseville Height Curb Ramp Upgrade Project and authorize staff to call for bids. Staff also recommends that City Council adopt the attached ordinance for a budget adjustment in the amount of \$150,000.00 from the Community Development Block Grant (CDBG) fund. The requested budget adjustment will cover design, project management, construction contract, construction contingency, and construction management.

BACKGROUND

The Roseville Heights neighborhood is one of the original developments in the City of Roseville, with a majority of the homes and infrastructure being constructed in the early 1900's. Since originally constructed, various projects have installed a partial network of sidewalks along the streets in this neighborhood. However, a majority of the sidewalks were installed prior to the requirement to construct curb ramps at intersections. Vertical curbs now act as "architectural barriers" for some residents trying to access the existing sidewalk infrastructure.

The 2016 Roseville Heights Curb Ramp Upgrade Project will install 22 curb ramps at various intersections within the Roseville Heights neighborhood. We anticipate construction to begin in late June 2016, with completion by the end of August 2016. Construction plans and specifications for the project have been completed and are available at the City Clerk's Office for review.

FISCAL IMPACT

This project is fully funded with \$150,000.00 in Community Development Block Grant (CDBG) funds. The requested budget adjustment will cover City staff time for design and project management. Additionally, the budget adjustment will also cover the construction contract, construction contingency, and construction management fees. No General Funds are allocated for this project.

ECONOMIC DEVELOPMENT / JOBS CREATED

Based on Federal guidelines, there is one job created for every \$92,000.00 in direct government spending. Based on that figure, this project will create 1.6 jobs.

ENVIRONMENTAL REVIEW

The proposed project involves the minor alteration 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,

Noah Siviglia, Assistant Engineer

Rhon Herndon, Public Works Director



Rob Jensen, City Manager

ATTACHMENTS:

Description

Project Manual

Ordinance No. 5675

2016 Roseville Height Curb Ramp Upgrade Budget Adjustment Form

2016 Roseville Heights Curb Ramp Upgrade Project

Community Development Block Grant Funded



**FOR REVIEW,
A COMPLETE COPY
IS ON FILE IN THE
CITY CLERK DEPARTMENT**

ORDINANCE NO. 5675

ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE
AUTHORIZING CERTAIN AMENDMENTS TO THE 2015-16
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 2015-16, is hereby amended by transferring appropriation to and from the activities indicated below:

Appropriate funds for the 2016 Roseville Heights Curb Ramp Upgrade project per request of the Public Works Department, as listed on the attached Request for Budget Adjustment in the amount of \$150,000.00.

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 _____, 20__, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

MAYOR

ATTEST:

City Clerk



REQUEST FOR BUDGET ADJUSTMENT
FINANCE DEPARTMENT

Instructions: Complete all necessary fields. Fields marked with an asterisk (*) are mandatory and required for processing. Obtain required approvals and process according to the procedure outlined in: [A.R. 6 01 Budget Adjustment Policy & Procedure](#).

For more detailed budget adjustment training information, including examples, please click on the following link: [Miscellaneous Budget Training Information](#).

REQUESTER*: Noah Siviglia
DEPARTMENT/DIVISION*: Public Works - Engineering
FISCAL YEAR/EFFECTIVE DATE*: FY16
PROPOSED COUNCIL DATE (if applicable): 03/02/2016

USE OF FUNDS*						
AMOUNT*	ACCOUNT NUMBER					Account Title/Activity Description*
	GL			JL		
	ORG KEY*	OBJECT*	FUND*	PROJECT	ACTIVITY	
150,000	20006	6130	260	162508	45	2016 Roseville Heights Curb Ramp Upgrade
\$ 150,000	TOTAL					

SOURCE OF FUNDS*						
AMOUNT*	ACCOUNT NUMBER					Account Title/Activity Description*
	GL			JL		
	ORG KEY	OBJECT	FUND*	PROJECT	ACTIVITY	
150,000	08115	5915	260			CDBG Grants
\$ 150,000	TOTAL					

FINANCE USE	Approved: <i>Kathy Cullen</i> 2/3/16 BUDGET MANAGER / DESIGNEE	Comments: _____ DATE
-------------	--	--

Justification for Budget Adjustment*:

To supply budget for the 2016 Roseville Heights Curb Ramp Upgrade Project to cover project management, design, construction, construction contingency, and construction management. This has no effect to fund balance since this project is redirected from the operating expenditures for grants.

Approved: <i>[Signature]</i> 4-12-2016 REQUESTING DEPARTMENT HEAD / DESIGNEE	Approved: _____ CITY MANAGER
DATE	DATE



REQUEST FOR BUDGET ADJUSTMENT FINANCE DEPARTMENT

Instructions: Complete all necessary fields. Fields marked with an asterisk (*) are mandatory and required for processing. Obtain required approvals and process according to the procedure outlined in:

[A.R. 6.01 Budget Adjustment Policy & Procedure](#)

For more detailed budget adjustment training information, including examples, please click on the following link:

[Miscellaneous Budget Training Information](#)

REQUESTER*: Noah Siviglia

DEPARTMENT/DIVISION*: Public Works - Engineering

FISCAL YEAR/EFFECTIVE DATE*: FY16

PROPOSED COUNCIL DATE (if applicable): 03/02/2016

USE OF FUNDS*						
AMOUNT*	ACCOUNT NUMBER					Account Title/Activity Description*
	GL			JL		
	ORG KEY*	OBJECT*	FUND*	PROJECT	ACTIVITY	
150,000	20006	6130	260	162508	45	2016 Roseville Heights Curb Ramp Upgrade
\$ 150,000	TOTAL					

SOURCE OF FUNDS*						
AMOUNT*	ACCOUNT NUMBER					Account Title/Activity Description*
	GL			JL		
	ORG KEY	OBJECT	FUND*	PROJECT	ACTIVITY	
150,000	08115	5915	260			CDBG Grants
\$ 150,000	TOTAL					

FINANCE USE	Approved:	Comments:
	<i>Kathy Cullen</i> 2/3/16	
	BUDGET MANAGER/DESIGNEE	DATE

Justification for Budget Adjustment*:

To supply budget for the 2016 Roseville Heights Curb Ramp Upgrade Project to cover project management, design, construction, construction contingency, and construction management. This has no effect to fund balance since this project is redirected from the operating expenditures for grants.

Approved:		Approved:	
<i>[Signature]</i> 4-12-2016			
REQUESTING DEPARTMENT HEAD / DESIGNEE	DATE	CITY MANAGER	DATE



COUNCIL COMMUNICATION

CC #: 7620

File #: 0900-04-01

Title: 2016 Residential Resurfacing Project - Approval of Plans and Specifications and Authorization to Call for Bids
Contact: Nick Graves 916-746-1300 ngraves@roseville.ca.us

Meeting Date: 5/4/2016

Item #: 7.4.

RECOMMENDATION TO COUNCIL

Staff recommends that the City Council approve the plans and specifications for the 2016 Residential Resurfacing Project and authorize staff to call for bids.

BACKGROUND

The scope of this project includes a roadway resurfacing application to various residential streets and the Maidu Regional Park parking lot. The resurfacing application will provide a water proof membrane to protect the existing asphalt surfaces and extend the life of the underlying pavement. The residential streets to receive the resurfacing application are shown on attached Exhibit A and include portions of the Silverado Oaks and Westpark subdivisions, and the Maidu Park parking lot. Resurfacing the Maidu parking lot is identified in the Library Remodel Capital Improvement Project but is being included in this contract because it is a similar type of work as roadway resurfacing and therefore creates a cost savings due to the economy of scale. This project is part of our proactive street pavement maintenance program designed to seal, protect, and preserve the underlying pavement by placing relatively affordable asphalt resurfacing products at 7 to 10 year intervals to keep our streets in good condition to avoid pavement failure that would require more costly rehab/reconstruction. Our streets are inspected and rated every three years and that data is put into our pavement management software database to help guide us as to which streets to resurface in any given year. This systematic approach is how we determine which streets to resurface each year to get the most out of our limited funding over the long term.

Construction is scheduled to begin this July and be completed by October of this year.

PUBLIC OUTREACH

Public Works Staff will be working with our communication team to develop a public outreach campaign to keep the community informed of the project's progress and traffic impacts during the construction phase of the project. This includes disseminating the latest project information on the City's web page and through news stories, traffic alerts, and social media. Staff will also send

letters to residents and businesses adjacent to the project area explaining the planned work, the type of pavement treatment that will be used, and what the recipients can expect before, during, and after the project. Prior to working on each street, the contractor will provide door hangers and place temporary No Parking signs on barricades informing the residents and businesses of the scheduled resurfacing date for that street.

FISCAL IMPACT

The estimated cost of this year's project is \$1,988,700.00, which includes a 10% construction contingency. The project is funded with \$1,890,000.00 in Gas Tax funds and \$98,700.00 in General CIP Rehabilitation funds. The General CIP Rehabilitation funds will be used for the work at Maidu Park.

ECONOMIC DEVELOPMENT / JOBS CREATED

Federal guidelines suggest that there is one job created for every \$92,000.00 in direct government spending. Based on that figure, this project will create 21.6 jobs.

ENVIRONMENTAL REVIEW

The proposed project involves the maintenance 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,

Nick Graves, Assistant Engineer

Rhon Herndon, Public Works Director



Rob Jensen, City Manager

ATTACHMENTS:

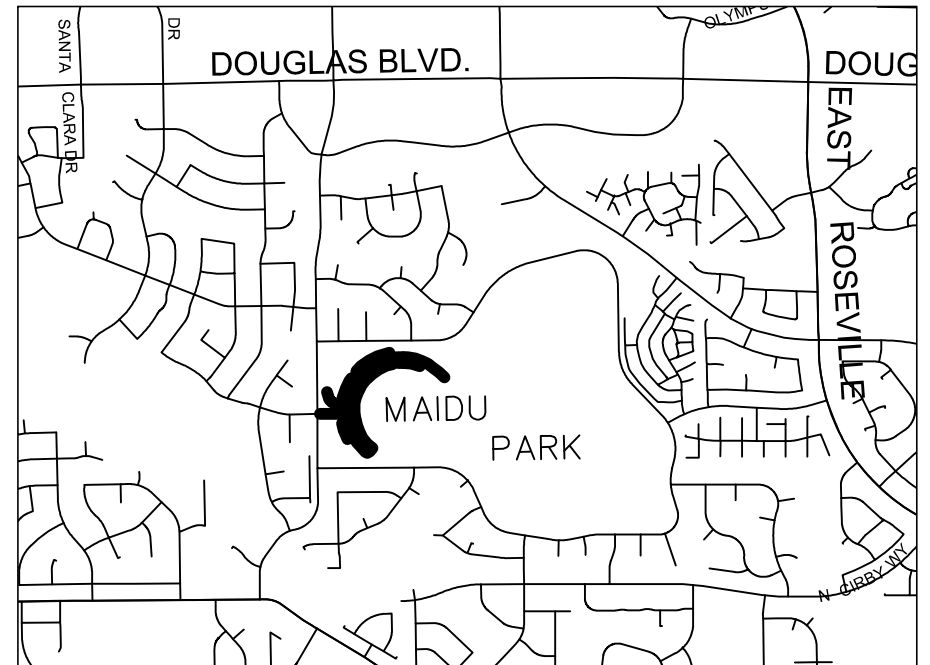
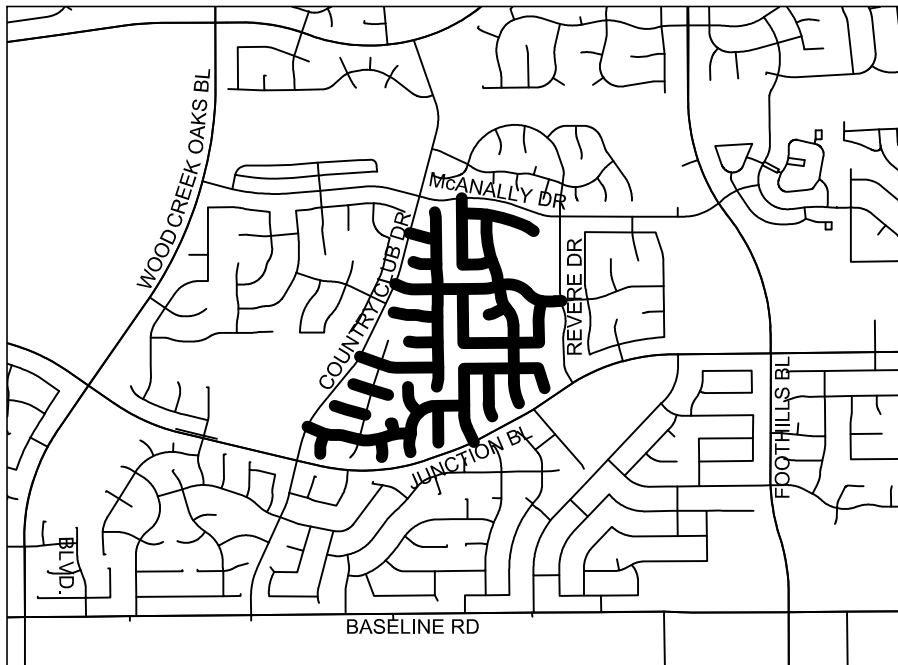
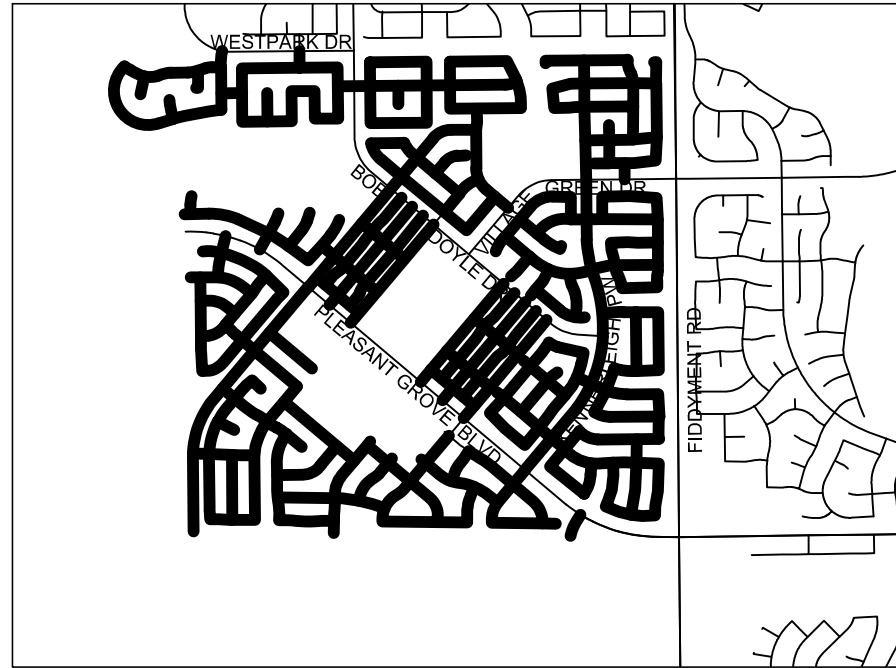
Description

Location Map

Project Manual

Project Plans

EXHIBIT "A"
2016 RESIDENTIAL RESURFACING PROJECT LOCATION MAP



2016 Residential Resurfacing Project

Public Works - Engineering



**FOR REVIEW,
A COMPLETE COPY
IS ON FILE IN THE
CITY CLERK DEPARTMENT**



COUNCIL COMMUNICATION

CC #: 7641
File #: 0203-01

Title: Vehicle Purchase
Contact: Peter Brevik 916-774-5724 pbrevik@roseville.ca.us

Meeting Date: 5/4/2016
Item #: 7.5.

RECOMMENDATION TO COUNCIL

NJPA Contract

Recommend Council authorize a purchase order to National Auto Fleet Group for one Ford F550 with dura class dump body utilizing National Joint Powers Alliance NJPA contract# 102811-NAF to replace the Environmental Utilities vehicle number 06-474. The total cost of this vehicle including options and sales tax is \$93,641.93.

BACKGROUND

NJPA Contract

The Environmental Utilities Wastewater Collection Division is replacing their vehicle number 06-474. The replacement vehicle will be used to perform sewer lateral installations, repairs and replacements, main repairs and replacements and all other construction jobs related to the Wastewater Collection Division. It's imperative to have a reliable vehicle in the event of an emergency repair, which would alleviate the negative effects of a sanitary sewer overflow.

The City is piggybacking a competitively bid contract from NJPA for this purchase. NJPA creates national cooperative contract purchasing opportunities and solutions on behalf of its members which include all government, education, and non-profit agencies nationwide. The City of Roseville is a member of NJPA.

Vehicle replacements are based on the Fleet Scoring System which considers factors such as age, miles, reliability, prior maintenance and repair costs, and current condition. Below are the vehicle replacement scores.

Vehicle ID	Replacement Score	Vehicle Condition
06-474	26	Meets City replacement criteria

FISCAL IMPACT

NJPA Contract

The total cost of one Ford F550 with a dura class dump body vehicle including options and sales tax is \$93,641.93. Funding is included in the FY2015/16 Auto Replacement Budget.

ECONOMIC DEVELOPMENT / JOBS CREATED

Not applicable.

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 (CEQA Guidelines §15061(b)(3)). The purchase of a vehicle does not include the potential for a significant environmental effect, and therefore is not subject to CEQA.

Respectfully Submitted,

Peter Brevik, Buyer

Paul Diefenbach, Central Services Director



Rob Jensen, City Manager

ATTACHMENTS:

Description



COUNCIL COMMUNICATION

CC #: 7623
File #: 0203-07

Title: Cobra Head Street Light Luminaires (RFQ 01-3072) - Purchase Order
Contact: Joanna Oukrop 916-774-5745 joukrop@roseville.ca.us

Meeting Date: 5/4/2016
Item #: 7.6.

RECOMMENDATION TO COUNCIL

Recommend Council authorize purchase orders to Edges Electrical Group as the lowest responsive bidder for RFQ 01-3072 for Cobra Head street light luminaires. The purchase orders will be issued on an as needed basis. The total estimated cost of the luminaires from date of contract award through 6/30/17 is \$100,000.00 or not to exceed department budgeted amounts.

BACKGROUND

In 2010, Roseville Electric Utility completed a light emitting diode (LED) street lighting pilot program where LED roadway lighting luminaires were installed along City of Roseville right-of-ways. After considerable lighting analysis and conducting a public opinion survey, it was found that the LED light source is feasible to use in Roseville street light applications, and the surveyed participants preferred the LED light source over the traditional lighting. The cost analysis shows that the LED luminaires are now cost effective for retrofit applications. Roseville Electric Utility intends to begin replacing existing high pressure sodium (HPS) street light fixtures with LED street light fixtures in areas that are hard to maintain or may be costly to replace. Roseville Electric owns and operates street lights within the City's boundaries, and this program will improve lighting, reduce energy use, and reduce lighting maintenance costs over time.

A formal bid was issued for 60-watt, 80-watt, and 150-watt luminaires with ten vendors responding as follows:

<u>Vendor</u>	<u>60W each</u>	<u>80W each</u>	<u>150W each</u>
HC1 Lighting Mississauga, ON Canada	\$1,070.00	\$1,215.00	\$1,370.00
Walters Wholesale Electric Brea, CA	\$237.64	\$237.64	\$292.13
Trastar, Inc. Richardson, TX	\$169.00	\$179.00	\$228.00

Anixter Benecia, CA	\$154.54	\$159.59	\$250.50
Gexpro McClellan, CA	\$162.00	\$162.00	\$196.00
Jam Services, Inc. Livermore, CA	\$145.00	\$145.00	\$200.00
Edges Electrical Group Auburn, CA	\$132.00	\$136.00	\$213.00
NCS Grass Valley, CA	\$123.00	\$125.00	\$230.00
Graybar Sacramento, CA	\$128.52	\$132.10	\$208.00
Azco Stockton, CA	\$126.05	\$130.20	\$204.35

The bid award is based on the combined unit cost of the three different luminaire wattages. The initial contract will be from date of contract award through 6/30/17 with one optional renewal year available at the City's sole discretion.

Azco has the lowest combined total, and Graybar has the second lowest combined total; however these two vendors were deemed non-responsive because they did not sign and return the bid addendum that added minimum order quantities to the bid specifications. The minimum order quantity information may affect pricing, so it was important that bidders acknowledge receiving that information from the addendum prior to submitting their bid. The third lowest bidder, NCS, is non-responsive because the 80 watt and 150 watt luminaires that they bid are not on the Design Lights Consortium approved products list as specified in the bid. This Consortium tests the lights to ensure that their quality, performance, and energy efficiency is up to a certain standard.

FISCAL IMPACT

The total estimated cost of the luminaires through 6/30/17 is \$100,000.00. Funding is included in the Electric Department's 2015/16 fiscal year budget and in their proposed 2016/17 fiscal year budget pending Council approval of budgets.

ECONOMIC DEVELOPMENT / JOBS CREATED

Not applicable.

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 (CEQA Guidelines

§15061(b)(3). The purchase of Cobra Head street light luminaires does not include the potential for a significant environmental effect, and therefore is not subject to CEQA.

Respectfully Submitted,

Joanna Oukrop, Buyer

Paul Diefenbach, Central Services Director

A handwritten signature in blue ink, appearing to read 'Rob Jensen', with a long horizontal stroke extending to the right.

Rob Jensen, City Manager

ATTACHMENTS:

Description



COUNCIL COMMUNICATION

CC #: 7649

File #: 0203-13-02

Title: Changeable Message Sign - Purchase Order
Contact: Tito Zamora 916-746-1300 tzamora@roseville.ca.us

Meeting Date: 5/4/2016

Item #: 7.7.

RECOMMENDATION TO COUNCIL

Staff recommends that the City Council authorize a purchase order to Daktronics, Inc. for the purchase of an LED changeable message sign (CMS) in the amount of \$38,657.00 including sales tax, using Federal CMAQ (Congestion Mitigation and Air Quality) grant funds.

BACKGROUND

Roseville currently has nine CMS's located throughout the city as part of our ITS (Intelligent Transportation System) deployment. These nine CMS's are placed at strategic locations throughout the city in accordance with the Council-adopted ITS Master Plan. The CMS's notify the motoring public of traffic accidents, special events, or other traffic conditions that may affect their route. These CMS's are also used to display traffic safety related PSA's (public service announcements).

Our ITS Master Plan calls for two more CMS's: one on eastbound Blue Oaks Blvd. just east of Foothills Blvd., and one on westbound Pleasant Grove Blvd. just east of Roseville Pkwy. The former is scheduled for installation in fall 2016 by a developer. The latter is planned to be installed as a city project in 2017. CMS's are city supplied equipment due to the 3 to 4 month lead time required for manufacturing. We already have one CMS stored at our Corp Yard (planned for the Blue Oaks location), so we need to purchase one more CMS for the Pleasant Grove location. The nine CMS's the City currently uses are all from a company called Daktronics. Daktronics was selected following a competitive Request for Proposals completed with the first CMS installations several years ago. The central software we use to communicate to these CMS's is also from Daktronics. By having the CMS's and software from the same company, incompatibility issues are avoided, the quantity and types of spare parts are reduced, and the training to operate and maintain the equipment is minimized.

FISCAL IMPACT

The funding source for the \$38,657.00 cost is Federal CMAQ (Congestion Management Air Quality) grant funds which are already available in the FY16. There is no impact to the City's

General Fund.

Between 2012 and 2015, Daktronics provided fixed pricing of CMS's at \$38,657.00 each, including sales tax. The most recent quote from Daktronics for a CMS is the same, so the price has not changed.

ECONOMIC DEVELOPMENT / JOBS CREATED

Federal guidelines suggest that there is one job created for every \$92,000.00 in direct government spending. Based on that figure, this purchase will create 0.4 jobs.

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 (CEQA Guidelines §15061(b)(3)). The purchase of an LED variable message sign does not include the potential for a significant environmental effect; therefore, is not subject to CEQA.

Respectfully Submitted,

Tito Zamora, Associate Engineer

Rhon Herndon, Public Works Director



Rob Jensen, City Manager

ATTACHMENTS:

Description



COUNCIL COMMUNICATION

CC #: 7631
File #: 0203-04

Title: Copy and Printing Services - Service Agreement Amendment
Contact: Michael Sinor 916-774-5183 msinor@roseville.ca.us

Meeting Date: 5/4/2016
Item #: 7.8.

RECOMMENDATION TO COUNCIL

Staff recommends City Council adopt a resolution authorizing the City Manager to amend the contract with Ray Morgan, Inc. for citywide copier lease and maintenance services. Ray Morgan Company currently provides copier lease and maintenance services to all City departments, including multi-function copiers and copier maintenance. The current contract does not specify an end date and calls for long term lease-to-own rental agreements for new hardware. The amendment will provide a defined end date of June 30, 2018 and end the lease-to-own terms. The total amount of the amended contract over 25 months is \$675,000.

BACKGROUND

The City requires the use of copy machines to carryout daily business functions. However, it is cost prohibitive for the City to own and maintain this equipment. The City conducted a competitive RFP process in 2009 to select a vendor for printing equipment and services and entered into a contract with Ray Morgan, Inc. In 2009 the City's goal was to acquire ownership of equipment, rather than short term leases. The 2009 agreement called for 5 year lease-to-own terms for all equipment acquired. This 5 year lease term ran concurrent with each new piece of equipment, based on the date of acquisition. Because new equipment was acquired at different times, there are multiple 5 year leases running contemporaneously with one another for separate hardware. Since the City needs to frequently acquire new equipment, and to do so requires a new 5 year lease, the City has no defined end date for hardware acquisition. Based on current conditions, it is more advantageous for the City to have short term rental agreements, as opposed to long term ownership interests.

At the time of entering into the agreement in 2009, the City's goals and objectives for copier services were different than its current needs. Staff recommends addressing the current needs of the City by amending the current agreement to specify a defined end date of June 30, 2018. This defined end date will allow the City to subsequently conduct a competitive procurement process to select a vendor to provide copying and printing services that align with the City's current business needs.

FISCAL IMPACT

Total estimated cost for this service is \$675,000. Funding is provided by the operating budgets for all City departments.

ECONOMIC DEVELOPMENT / JOBS CREATED

Not applicable.

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 (CEQA Guidelines §15061(b) (3). This amendment does not include the potential for a significant environmental effect, and therefore is not subject to CEQA.

Respectfully Submitted,

Michael Sinor, Information Technology Division Manager

Hong Sae, Chief Information Officer



Rob Jensen, City Manager

ATTACHMENTS:

Description

Resolution No. 16-142

Service Agreement Amendment

RESOLUTION NO. 16-142

APPROVING AMENDMENT NO. 1 TO SERVICE AGREEMENT
BETWEEN CITY OF ROSEVILLE AND RAY MORGAN COMPANY, AND
AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF
ROSEVILLE

WHEREAS, Amendment No. 1 to Service Agreement (Service Agreement No. S1003168) between City of Roseville and Ray Morgan Company, has been prepared and reviewed by the Council;

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Roseville that said first amendment to service 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 _____, 20__, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

MAYOR

ATTEST:

City Clerk



PURCHASING
CITY OF ROSEVILLE

2005 HILLTOP CIRCLE, ROSEVILLE, CA 95747
(916) 774-5720 • TDD (916) 774-5220 • FAX (916) 774-5736

**SERVICE AGREEMENT
AMENDMENT**

SERVICE AGREEMENT No: S1003168
AMENDMENT No.: 1

SERVICE LOCATION: VARIOUS
ROSEVILLE, CA

Contractor No.: V26880

SUBMIT ALL INVOICES TO:
CITY OF ROSEVILLE
Finance Department
311 Vernon Street
Roseville, CA 95678

Contractor License No.:
Business License No.: 035543

Telephone No.: 530-230-4842 Fax: 530-343-9470

Department: VARIOUS

Contractor: RAY MORGAN COMPANY
ATTN: LAURA SAUNDERS
3131 ESPLANADE
CHICO, CA 95973

Acct. Code: VARIOUS

Buyer: SHANNON WIEST
Phone: 916-774-5705

Service Agreement Number S1003168 ("Agreement"), which was executed on 2/1/10, is hereby modified as follows:

Select all provisions that apply:

- ☒ The term of the Agreement is extended and the expiration date of the Agreement will be 6/30/18.
- ☒ The Total Estimated Cost of Service payable under this Amendment is not to exceed \$675,000.00. The agreement is hereby modified to incorporate the following attachments: Amendment to Ray Morgan Agreement, Trade in Value Canon Equipment City of Roseville, City of Roseville Uniflow Scope of Work, and Multi-Functional Printers Term Sheet.

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

CONTRACTOR:

By: [Signature]

Title: President

By: [Signature]

Title: CFO

CITY OF ROSEVILLE, A MUNICIPAL CORPORATION:

By: _____

Rob Jensen, City Manager

Distribution: 1 - Purchasing, 1 - Contractor, 1 - Originating Dept

AMENDMENT TO RAY MORGAN AGREEMENT

Amendment to Ray Morgan Company Agreement (this "Amendment"), dated as of the ____ day of _____, 20__, by and between the City of Roseville having an address at 311 Vernon Street, Roseville, CA 95678 ("COR" and "You") and Ray A. Morgan Company, a California corporation having an address at 3131 Esplanade Avenue, Chico, CA 95973 ("RMC" and "We").

NOW, THEREFORE, for good and valuable consideration, the parties hereto hereby mutually covenant and agree as follows:

Equipment Addition:

Equipment that needs to be added during the rental period will have a sliding scale monthly price, based on the months remaining on this Addendum at the time the equipment is added.

Schedule:

Canon Model	Service Rates: Per Copy/Print	6 to 12 months remaining	13 to 18 months remaining	19 Months or more remaining	Special Pricing Valid thru May 31 st 2016
IRC 5235	B/W .0068 Color .055	\$396.12	\$346.12	\$296.12	\$246.12
IRC 5240	B/W .0068 Color .055	\$406.22	\$356.22	\$306.22	\$256.22
IRC 5250	B/W .0068 Color .055	\$484.65	\$434.65	\$384.65	\$334.65
IRC 5255	B/W .0068 Color .055	\$516.27	\$466.27	\$416.27	\$366.27
IR 400if	B/W .0085	\$206.67	\$166.27	\$126.67	\$86.67

Customer Owned Equipment / Trade in Value / Deemed Unsellable:

The City of Roseville owns certain equipment that RMC will be servicing during the remaining term of this agreement. After May any customer owned Equipment that has a trade-in value will be compensated to the City of Roseville at the then current wholesale market value. The hard drives on these units will also be erased at no additional charge. Trade in value is good thru May 16th, 2016. Please see attached list.

Customer owned equipment deemed unsellable at the end of the rental period or those units that have no value will be removed by RMC at no charge.

Uniflow Upgrade: Cash: \$10,085.88 (See attached scope of work)

Cancellation End Date:

This agreement has a cancellation date of June 30th, 2018. In the event of cancellation, Ray Morgan Company will continue to bill the City of Roseville up thru the cancellation date. Upon removal of the equipment covered under this rental; RMC will submit final billing based on the actual end meters of the copier.

In the event the City of Roseville needs to extend this agreement; the Ray Morgan Company will allow this agreement to go into a "month-to-month" extension.

All written notices regarding this addendum should be directed to the Leasing Manager of Ray Morgan Company at the above referenced address.

All other terms and conditions of the Ray Morgan Company Rental Agreement will remain the same.

Read, Signed and Agreed upon 13th day of April, 2016

City of Roseville

By: _____

Name: _____

Title: _____

Ray Morgan Company

By:  _____

Greg Martin

President

CITY OF ROSEVILLE
Uniflow Scope of Work

- uniFLOW Upgrade (4 hours) – If City is building a new VM, add 2 hours
 - Uninstall uniFLOW
 - Install newest release for uniFLOW
- RPS Upgrade (12 Hours) – Requires use of the current RPS name
 - Install uniFLOW on new RPS
 - Test uniFLOW functionality with 1 MFD
 - Stop services on the Old RPS
 - Disable services on the Old RPS
 - Re-name Old RPS to a different name
 - Re-name New RPS to Current/Old RPS Name
 - Test functionality and verify that Print Queues on the workstations work
- MFD upgrade (20 Hours – 20 min per MFD)
 - Uninstall old uniFLOW applications
 - Install new uniFLOW applications
- Add Mobile Print as a new function (4 Hours)
 - Will require a mailbox created by City of Roseville
 - Will require credentials to access the mailbox
- uniFLOW Client Upgrade (N/A w/o further details) – I can't remember if they use multiple cost centers?
 - Uninstall old client via GPO
 - Install new client via GPO

Cash: \$10,085.88



COUNCIL COMMUNICATION

CC #: 7627
File #: 0704-01

Title: Maidu Park Accessible Parking Improvements Project - Award of Contract
Contact: Rjahja Canlas 916-774-5505 rcanlas@roseville.ca.us

Meeting Date: 5/4/2016
Item #: 7.9.

RECOMMENDATION TO COUNCIL

1. Award the Maidu Park Accessible Parking Improvements Project to apparent low bidder, Central Valley Engineering & Asphalt, Inc.
2. Authorize the City Manager to execute the agreement with Central Valley Engineering & Asphalt, Inc. in the amount of \$58,550.00
3. Authorize staff to approve change order requests in an amount not to exceed \$9,000 (15% of the contract amount).

BACKGROUND

The Maidu Community Center/Library parking lots are in need of repairs. A typical maintenance cycle is five to seven years; however, it has been more than ten years since the parking lot was last addressed.

Repairs are being performed via a phased approach. The first phase included base repairs to sections of the parking lot. These were the worst areas and required complete removal and replacement of the asphalt. Work on these areas were completed by the Public Works Department (Street Maintenance) in 2015. The second phase includes improvements to some of the accessible parking ramps and stalls. Subsequent phases will resurface and restripe the parking lots.

At Maidu Park, there are two accessible stalls in front of the library and seven accessible stalls in front of the community center. As part of this project, these nine stalls will be reconstructed and brought up to current code. In addition, two new accessible stalls will be placed between the library and community center to facilitate access to the senior wing of the community center.

City Council approved the project plans and specifications at the February 17, 2016 meeting. A total of 6 bids were received and opened on March 21, 2016. The engineer's estimate and bid results are as follows:

	Total Lump
--	------------

Bidder	Sum Bid
Central Valley Engineering & Asphalt, Inc.	\$58,550.00
B&M Builders	\$75,173.00
TJR Resources, Inc.	\$79,490.00
R&R Pacific Construction	\$89,800.00
Abide Builders, Inc.	\$92,227.00
DRYCO Construction, Inc.	\$95,052.00
Engineer's Estimate	\$90,000.00

Staff recommends award of the project to Central Valley Engineering & Asphalt, Inc. in the amount of \$58,550.00.

During the course of construction, it is common to encounter unanticipated or changed conditions in the field which necessitate additions or other modifications to the project. Staff requests authorization to approve change order requests in an amount not to exceed \$9,000 (15% of the contract amount).

FISCAL IMPACT

Funding for the project was originally approved in FY2014/15 through the General CIP Rehabilitation Fund. Additional funding from the General CIP Rehabilitation Fund was allocated in the FY2015/16 budget for this project.

ECONOMIC DEVELOPMENT / JOBS CREATED

Based on Federal guidelines, there is one job created for every \$92,000 in direct government spending. Based on that guideline, this project will not create any new jobs.

ENVIRONMENTAL REVIEW

The proposed project involves the reconstruction of existing structures and facilities. 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,

Rjahja Canlas, Park Development Analyst

Dion Louthan, Parks, Recreation & Libraries Director



Rob Jensen, City Manager

ATTACHMENTS:

Description

Maidu Accessible Parking - bid summary sheet

Resolution No. 16-139

Maidu Accessible Parking - signed agreement

RFP# 13-032

DATE: March 21, 2016

TIME: 3:05 PM

BID BOND REQUIRED: YES

BID SUMMARY SHEET

BID OPENING FOR:

MAIDU PARK ACCESSIBLE PARKING
IMPROVEMENT PROJECT

Bidders Name City, State	Addendum 1	Bid Bond	Total Lump Sum Bid
B&M Builders Rancho Cordova, CA	YES	YES	\$ 75,173.00
Abide Builders, Inc. West Sacramento, CA	—	YES	\$ 92,227.00
Central Valley Engineering & Asphalt, Inc. Roseville, CA	YES	YES	\$ 58,550.00
DRYCO Construction, Inc. Fremont, CA	—	YES	\$ 95,052.00
R&R Pacific Construction Woodland, CA	YES	YES	\$ 89,800.00
TJR Resources, Inc. Rancho Cordova, CA	YES	YES	\$ 79,490.00

Please Sign-In

Staff

Mary [Signature]
[Signature]
Abide Builders
Arg Case

Visitors (Name & Company)

Tony English, B&M Builders
D.R. Pacific Corp
Nick Rutherford, Dryco Const.
Stacey Swank Central Valley Eng + Asphalt
GR TJR Resources

Visitors (Name & Company)

Abide Builders, inc Tony Nardello

RESOLUTION NO. 16-139

APPROVING AN AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND CENTRAL VALLEY ENGINEERING & ASPHALT, INC., AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE

WHEREAS, an agreement regarding the Maidu Park Accessible Parking Improvements Project, by and between the City of Roseville and Central Valley Engineering & Asphalt, 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; and

BE IT FURTHER RESOLVED that the Public Works Director shall be 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 fifteen percent (15%) 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

A G R E E M E N T

THIS AGREEMENT, is made and entered into this _____ day of _____, 20_____, by and between the City of Roseville, a municipal corporation, ("CITY"), and Central Valley Engineering & Asphalt, Inc., a CA Corporation, ("CONTRACTOR"),

W I T N E S S E T H:

WHEREAS, the City Council of the City of Roseville, at a meeting held on the _____ day of _____, 20_____, approved plans and specifications consisting of the General Conditions for Buildings and Grounds and Special Conditions for the Maidu Park Accessible Parking Improvements Project

and directed the City Clerk to advertise for sealed proposals for doing said work and providing that bids be submitted on the 21st day of MARCH, 2016, 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 _____ day of _____, 20____, the City 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 accordance with the aforementioned specifications,

NOW, THEREFORE, the parties hereto as follows:

1. THE WORK. CONTRACTOR agrees:

(a) To do the work and furnish all the labor, materials, tools, equipment and insurance required for the Maidu Park Accessible Parking Improvements 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 Department for Contract Administration as defined in the Contract Documents.

2. PAYMENT. CITY shall pay CONTRACTOR \$58,550 - for the Work to be done under this contract in accordance with the Contract Documents.

3. CONTRACT DOCUMENTS. The complete Agreement between the parties hereto consists of all of the documents described in section 1-1.12 of the General Conditions.

All Contract Documents 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 \$800_____ per day as liquidated damages, in the event of such delay.

5. MISCELLANEOUS. Time is of the essence of this Agreement.

6. 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 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.

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: _____
ROB JENSEN
City Manager

ATTEST:

By: _____
SONIA OROZCO
City Clerk

APPROVED AS TO FORM:

By: _____
ROBERT R. SCHMITT
City Attorney

CONTRACTOR:

By: _____
its: Warren Holt, President
and

By: _____
its: James Castle, CEO/Secretary
Contractor
Business License #: 773404



COUNCIL COMMUNICATION

CC #: 7652

File #: 0400-04-12-1

Title: Westbrook Phase 1 Frontages Westbrook Boulevard Phase "B" - Certificate of Completion

Contact: John Hernandez 916-774-5486 jhernandez@roseville.ca.us

Meeting Date: 5/4/2016

Item #: 7.10.

RECOMMENDATION TO COUNCIL

Staff recommends that the City Council take the following action:

1. Adopt the attached resolution accepting Westbrook Phase 1 Frontages Westbrook Boulevard Phase "B" , CWJ# 150097, as complete.
2. Authorize the City Engineer to execute the Certificate 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.

ECONOMIC DEVELOPMENT / JOBS CREATED

Accepting the project as complete will not directly create jobs but rather maintain current employee levels of the developer until such a time the project is fully built out.

ENVIRONMENTAL REVIEW

The Council action of accepting Westbrook Phase 1 Frontages Westbrook Boulevard Phase "B" as complete will not result in a direct or reasonably foreseeable indirect physical change in the environment (CEQA Guideline 15060(c)(2)). Adoption of this project does not include the potential

for a significant environmental effect and therefore is not subject to CEQA.

Respectfully Submitted,

John Hernandez, Senior Construction Inspector

Kevin Payne, Development Services Director



Rob Jensen, City Manager

ATTACHMENTS:

Description

Resolution No. 16-153

Westbrook Phase 1 Frontage Westbrook Boulevard Phase "B" COC

Westbrook Phase 1 Frontages Westbrook Boulevard Phase "B" Exhibit A

RESOLUTION NO. 16-153

RESOLUTION OF THE COUNCIL OF THE CITY OF ROSEVILLE ACCEPTING THE PUBLIC WORK KNOWN AS WESTBROOK PHASE I FRONTAGES WESTBROOK BOULEVARD PHASE "B" PROJECT, APPROVING THE "CERTIFICATE OF COMPLETION", AND AUTHORIZING AND DIRECTING THE CITY ENGINEER TO EXECUTE SAID NOTICE ON BEHALF OF THE CITY OF ROSEVILLE, THEREFORE, AND ACCEPTING ALL DEDICATIONS OFFERED ON THE RECORDED MAP OF THE SUBDIVISION.

BE IT RESOLVED by the Council of the City of Roseville as follows:

1. The "Certificate of Completion" on file in the City Clerk's Department relative to that public work known as the WESTBROOK PHASE I FRONTAGES WESTBROOK BOULEVARD PHASE "B" is hereby approved and the public work accepted.
2. All rights of way and easements as offered on the final map of recorded with Placer County Recorder's Office Book CC of Maps, Page 85 is hereby accepted.
3. 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

AFTER RECORDING RETURN TO:
CITY CLERK
311 VERNON STREET
ROSEVILLE, CA 95678

CERTIFICATE OF COMPLETION

NOTICE IS HEREBY GIVEN that the public work known as WESTBROOK PHASE I FRONTAGES WESTBROOK BOULEVARD PHASE "B" Project was completed and accepted by the City of Roseville on _____. The location is indicated on the attached map, marked as Exhibit "A" and incorporated herein by this reference.

The general contractor on said project was WESTPARK COMMUNITIES.

The surety on said project was AS DESCRIBED IN THE ACQUISITION AGREEMENT STIPULATES THE CITY WILL RETAIN 10% PROJECT VALUE AMOUNT FOR THE DURATION OF THE WARRANTY PERIOD FOR ONE YEAR.

MARC STOUT
City Engineer
City of Roseville

ATTEST:

SONIA OROZCO, CITY CLERK

STATE OF CALIFORNIA)
COUNTY OF PLACER)

I, MARC STOUT, being first duly sworn, depose and say: I am the City Engineer 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 Certificate of Completion and know its contents and the facts stated therein are true.

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.

MARC STOUT
City Engineer
City of Roseville

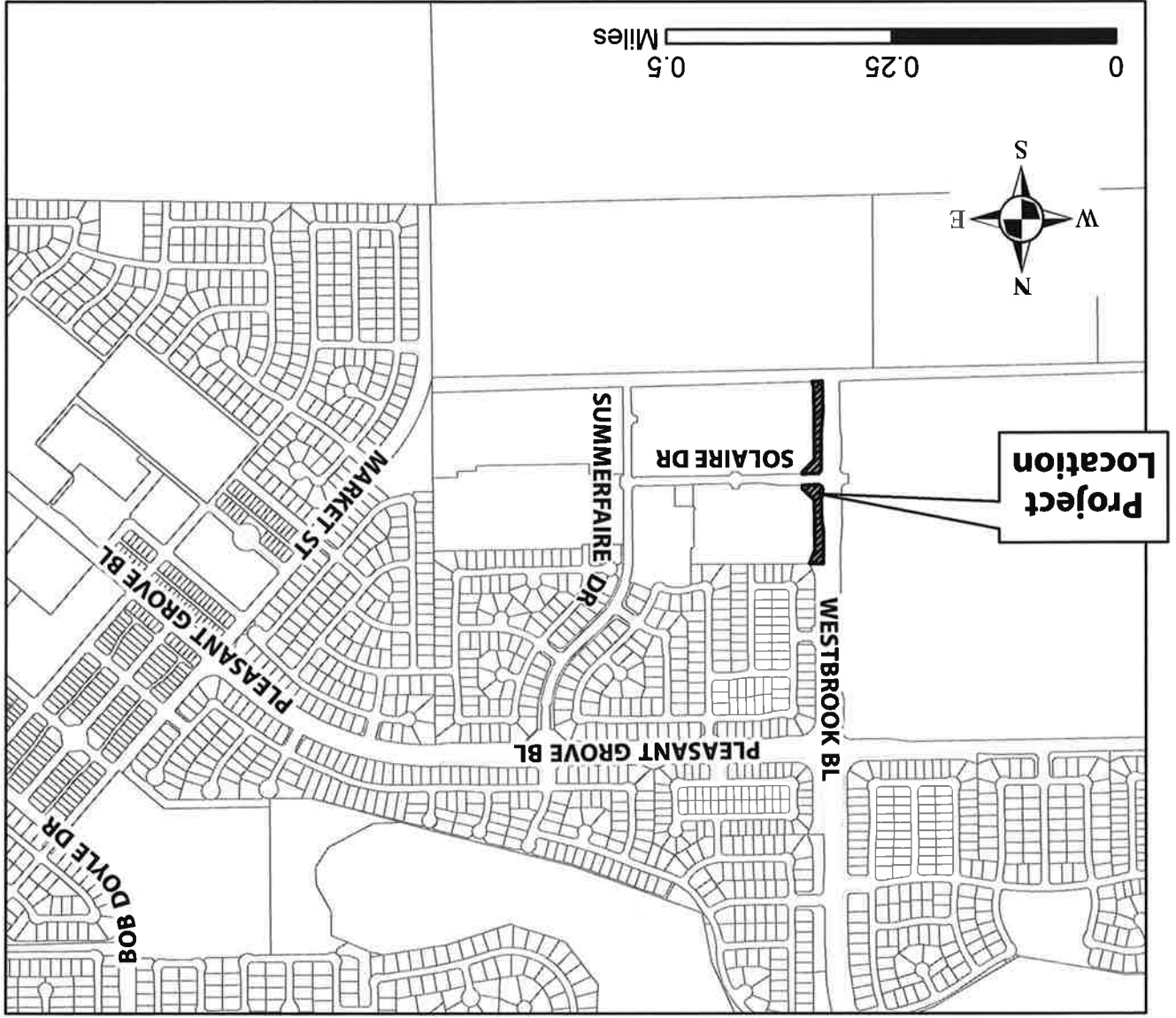
STATE OF CALIFORNIA)
COUNTY OF PLACER)

Subscribed and sworn to (or affirmed) before me on this ____ day of _____, 2016, by _____ proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

Notary Public in and for said County and State

EXHIBIT A

City of Roseville
Westbrook Phase 1
Westbrook Bl Phase B
Landscaping and Sound Wall Improvements





COUNCIL COMMUNICATION

CC #: 7634

File #: 0400-04-09-1

Title: Westpark Village Center W-26 Phase 1 - Certificate of Completion

Contact: John Hernandez 916-774-5486 jhernandez@roseville.ca.us

Meeting Date: 5/4/2016

Item #: 7.11.

RECOMMENDATION TO COUNCIL

Staff recommends that the City Council take the following action:

1. Adopt the attached resolution accepting Westpark - Village Center W-26 Phase 1, CWJ# 130063, as complete.
2. Authorize the City Engineer to execute the Certificate 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. For clarification and future reference, improvement plans inadvertently identified the project as Westpark Village Center W-26 Phase A and the Final Map refers to the subdivision as Westpark Village Center 26 Phase 1.

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.

ECONOMIC DEVELOPMENT / JOBS CREATED

Accepting the project as complete will not directly create jobs but rather maintain current employee levels of the developer until such a time the project is fully built out.

ENVIRONMENTAL REVIEW

The Council action of accepting Westpark - Village Center W-26 Phase 1 as complete will not result in a direct or reasonably foreseeable indirect physical change in the environment (CEQA

Guideline 15060(c)(2). Adoption of this project does not include the potential for a significant environmental effect and therefore is not subject to CEQA.

Respectfully Submitted,

John Hernandez, Senior Construction Inspector

Kevin Payne, Development Services Director



Rob Jensen, City Manager

ATTACHMENTS:

Description

Resolution No. 16-145

westpark village ctr w-26 COC

Westpark Village Center W-26 Phase 1 Exhibit A

RESOLUTION NO. 16-145

RESOLUTION OF THE COUNCIL OF THE CITY OF ROSEVILLE ACCEPTING THE PUBLIC WORK KNOWN AS WESTPARK – VILLAGE CENTER W-26 PHASE 1 PROJECT, APPROVING THE "CERTIFICATE OF COMPLETION", AND AUTHORIZING AND DIRECTING THE CITY ENGINEER TO EXECUTE SAID NOTICE ON BEHALF OF THE CITY OF ROSEVILLE, THEREFORE, AND ACCEPTING ALL DEDICATIONS OFFERED ON THE RECORDED MAP OF THE SUBDIVISION.

BE IT RESOLVED by the Council of the City of Roseville as follows:

1. The "Certificate of Completion" on file in the City Clerk's Department relative to that public work known as Westpark – Village Center W-26 Phase 1 is hereby approved and the public work accepted.
2. All rights of way and easements as offered on the final map of recorded with Placer County Recorder's Office Book CC of Maps, Page 68 is hereby accepted.
3. 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

AFTER RECORDING RETURN TO:
CITY CLERK
311 VERNON STREET
ROSEVILLE, CA 95678

CERTIFICATE OF COMPLETION

NOTICE IS HEREBY GIVEN that the public work known as Westpark – Village Center W-26 Phase 1 Project was completed and accepted by the City of Roseville on _____. The location is indicated on the attached map, marked as Exhibit "A" and incorporated herein by this reference.

The general contractor on said project was Lennar Homes of California.

The surety on said project was Berkley Insurance Company, a Delaware Company
Bond # 0178467-M

MARC STOUT
City Engineer
City of Roseville

ATTEST:

SONIA OROZCO, CITY CLERK

STATE OF CALIFORNIA)
COUNTY OF PLACER)

I, MARC STOUT, being first duly sworn, depose and say: I am the City Engineer 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 Certificate of Completion and know its contents and the facts stated therein are true.

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.

MARC STOUT
City Engineer
City of Roseville

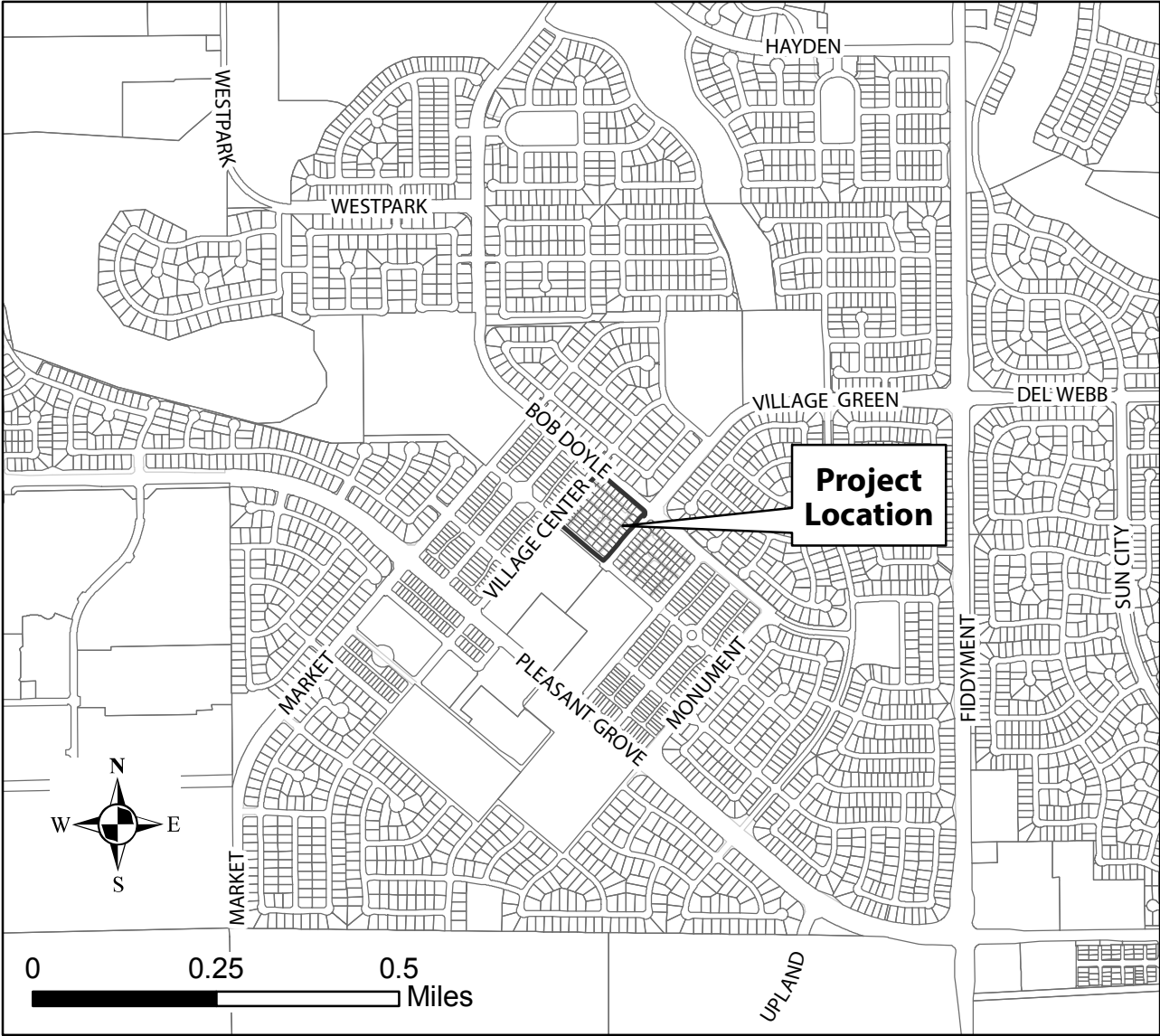
STATE OF CALIFORNIA)
COUNTY OF PLACER)

Subscribed and sworn to (or affirmed) before me on this ____ day of _____, 2016, by _____ proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

Notary Public in and for said County and State

EXHIBIT A

City of Roseville Westpark - Village Center 26 Phase 1





COUNCIL COMMUNICATION

CC #: 7644
File #: 0709-01

Title: Trio Leasing Program - Cooperative Agreement
Contact: Trisha Isom 916-746-1239 tisom@roseville.ca.us

Meeting Date: 5/4/2016
Item #: 7.12.

RECOMMENDATION TO COUNCIL

Adopt the attached Resolution approving the Cooperative Agreement between the California Affordable Housing Agency and the City of Roseville and authorizing the City Manager to execute the agreement.

BACKGROUND

There are many reasons why people need help with home financing. First time buyers may lack credit history or a down payment. Former homeowners may be recovering from the great recession. For consumers who are not yet ready for a mortgage or think they are on the cusp of approval, the Trio Leasing Program can help to finance their home.

The Trio Leasing Program works in partnership with home builders and housing authorities to solve the financing gap and help families with affordable financing to purchase homes. Financing is provided with FHA assumable mortgage loans preserving the affordability for future homeownership. In order to attain the FHA loan, Trio must partner with a governmental entity.

The California Affordable Housing Agency (the Agency) is a joint exercise of powers agency consisting of seventeen California housing authorities located throughout California. The Agency is authorized by Chapter 1, Part 2 of Division 24 of the Health and Safety Code of the State of California (the Act) to issue bonds, sell its revenue bonds for the purpose of financing multifamily rental housing facilities and to purchase single family housing units located within an area of operation of the Agency.

The Agency desires to operate the Trio Leasing Program under the Act to acquire single family housing units for the purpose of providing homeownership through a lease to own program located in the City of Roseville. The Roseville Housing Division, having authority to operate within the City of Roseville has, in the interest of efficiency and economy, been requested by the Agency to operate the Trio Leasing Program under the Act and acquire and lease single family homes for the purpose of providing home ownership.

If the City of Roseville and the Agency enter into a Cooperative Agreement the Agency may act

within the City of Roseville with respect to the purchasing of single family housing units for a lease to own program. The Agency runs the leasing program including marketing, implementation, capital, asset management, and servicing. This lease to own program would open up home ownership and the opportunity to lock in today's low interest rates under an assumable mortgage for many renters who desire to own in the City of Roseville.

FISCAL IMPACT

The approval of this Cooperative Agreement will not have a fiscal impact to the City's general fund or housing funds.

ECONOMIC DEVELOPMENT / JOBS CREATED

The approval of this Cooperative Agreement is not expected to generate jobs.

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, CEQA Guidelines 15061(b)(3). The changes to the MOU do not include the potential for a significant environmental effect, and therefore is not subject to CEQA.

Respectfully Submitted,

Trisha Isom, Housing Analyst

Chris Robles, Economic Development Director



Rob Jensen, City Manager

ATTACHMENTS:

Description

Resolution No. 16-151

cooperative agreement

RESOLUTION NO. 16-151

APPROVING A COOPERATIVE AGREEMENT BY AND BETWEEN THE CITY OF
ROSEVILLE AND THE CALIFORNIA AFFORDABLE HOUSING AGENCY, AND
AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE
CITY OF ROSEVILLE

WHEREAS, the California Affordable Housing Agency (the Agency) is a joint exercise of powers agency consisting of seventeen California housing authorities throughout the state; and

WHEREAS, the Agency has requested that the City of Roseville operate the Trio Leasing Program to assist homebuyers acquire and lease single family homes; and

WHEREAS, the Trio Leasing Program will work in partnership with home builders and the City of Roseville Housing Division, to solve the financing gap and help families with affordable financing to purchase homes in Roseville; 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

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

COOPERATIVE AGREEMENT

THIS COOPERATIVE AGREEMENT (the "Agreement") is made and entered into as of the ____ day of _____, 2016 by and between the California Affordable Housing Agency (the "Agency") and the City of Roseville (the "Authority").

WHEREAS, the Agency is authorized by Chapter 1 Part 2 of Division 24 of the Health and Safety Code of the State of California (the "Act") to issue bonds, sell its revenue bonds for the purpose of financing multifamily rental housing facilities and to purchase single family housing units located within an area of operation of the Agency; and

WHEREAS, the Agency desires to operate a TRIO Leasing Program under the Act to acquire single family housing units for the purpose of providing homeownership through a lease to own program located in the City of Roseville, CA; and

WHEREAS, the Agency, having authority to operate within the City of Roseville, CA area, has, in the interests of efficiency and economy, been requested by the Authority to allow the Agency to operate the Trio Leasing Program under the Act and acquire single family homes for the purpose of providing home ownership; and

WHEREAS, pursuant to Section 34324 of the Act, the Agency may act within the jurisdiction of the Authority with respect to the purchasing of single family housing units for a lease to own program if the Authority and the Agency enter into a Cooperative Agreement to such effect;

NOW, THEREFORE, in consideration of the terms and conditions herein set forth it is mutually agreed as follows:

SECTION 1. The Agency shall be authorized and shall use its best efforts to acquire single family housing units for the purpose of providing homeownership opportunities in City of Roseville, CA through the TRIO Leasing Program, pursuant to the applicable provisions of the Act, including, but not limited to, Section 34324 of the Act.

SECTION 2. In exercising its rights under Section 1, the Agency may exercise within the area of operation of the Authority all of the powers of the Authority to acquire single family housing units and to own and operate the acquired units as set forth in the Act.

SECTION 3. All costs and expenses incurred with respect to the acquisition of any single family housing units within the City of Roseville shall be paid solely from the proceeds of loans or mortgages acquired by the Agency, or other legally available sources, and neither the City of Roseville nor the Agency shall be, under any circumstances, liable therefor. All services necessary to accomplish the purposes of this Agreement shall be provided by the Agency and financed solely from the sources of funds mentioned in this Section.

SECTION 4. The sole purpose of this Agreement is to invest the Agency with the jurisdiction and capacity to accomplish the financing and acquisition of single family housing units for a homeownership program in the method and manner provided by the Act.

SECTION 5. The parties stipulate and agree that Authority will not be responsible and/or liable for any actions of the Agency in connection with the proposed acquisition of single family housing units.

SECTION 6. This Cooperative Agreement shall remain in effect until either party passes a Board resolution withdrawing authority to continue participating in this Cooperative Agreement.

IN WITNESS WHEREOF, the California Affordable Housing Agency and the City of Roseville have caused this Agreement to be executed by officers thereunto duly authorized as of the date hereinabove set forth.

CALIFORNIA AFFORDABLE HOUSING AGENCY

BY _____
Chairperson

CITY OF ROSEVILLE

BY _____
Authorized Officer



COUNCIL COMMUNICATION

CC #: 7637

File #: 0721

Title: Stoneridge East Parcel 49 Phase 1 and Phase 2, Village 10 Bus Shelter #245 - Transit Bus Shelter Construction Fee Agreement

Contact: Anita Giordano 916-774-5385 agiordano@roseville.ca.us

Meeting Date: 5/4/2016

Item #: 7.13.

RECOMMENDATION TO COUNCIL

Staff recommends that the City Council adopt the attached resolution approving a Bus Shelter Construction Fee Agreement between the City of Roseville and Elliott Homes, Incorporated for the construction of Bus Shelter #245 and authorizing the City Manager to execute it on behalf of the City.

BACKGROUND

The developer has remitted the full and present cost (\$10,000) of construction for bus shelter #245 and has requested to enter into a Bus Shelter Construction Fee Agreement per Condition #24 contained in the May 22, 2008 approval by the Planning Commission for a tentative subdivision map Stoneridge Specific Plan Parcel 49 located at 7200 Sierra College Blvd. Staff anticipates that bus service to this location will be added three or more years into the future, necessitating the installation of a bus shelter at that time.

FISCAL IMPACT

The construction fee of \$10,000.00 provides security for bus shelter #245 to be installed in the future with no fiscal impact to the City's General Fund or Transportation Development Act (TDA) funds.

ECONOMIC DEVELOPMENT / JOBS CREATED

Federal guidelines suggest that there is one job created for every \$92,000.00 in direct government spending. Based on that figure, this project will translate to approximately less than one tenth of one job created.

ENVIRONMENTAL REVIEW

The proposed project involves the construction of a limited number of small facilities. This activity is categorically exempt from CEQA as a Class 3 Exemption (State CEQA Guidelines Section 15303). The Exemption has been prepared and no further CEQA action is required.

Respectfully Submitted,

Anita Giordano, Administrative Technician

Rhon Herndon, Public Works Director



Rob Jensen, City Manager

ATTACHMENTS:

Description

Resolution No. 16-147

Shelter #245 Construction Fee Agreement

RESOLUTION NO. 16-147

APPROVING A TRANSIT BUS SHELTER CONSTRUCTION FEE AGREEMENT
BETWEEN CITY OF ROSEVILLE AND ELLIOT HOMES, INC., AND
AUTHORIZING THE CITY MANAGER TO EXECUTE IT
ON BEHALF OF THE CITY OF ROSEVILLE

WHEREAS, a Transit Bus Shelter Construction Fee Agreement for Stoneridge East Village 10 Phase 1 and Phase 2, Bus Shelter # 245, between the City of Roseville and Elliot Homes, Inc., has been reviewed by the Council;

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.

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,
PLEASE RETURN TO:

City Clerk
CITY OF ROSEVILLE
311 Vernon Street
Roseville, CA 95678

TRANSIT BUS SHELTER
CONSTRUCTION FEE AGREEMENT

Project Name: Stoneridge Village 10 (SRSP Pcl 49)

Shelter Number: 245

THIS AGREEMENT is made and entered into this 22nd day of January,
2016, by and between the CITY OF ROSEVILLE, a municipal corporation, ("CITY") and
Elliott Homes, Inc., an
Arizona Corporation, ("DEVELOPER"), and

W I T N E S S E T H:

A. DEVELOPER is the owner of a parcel of real property located in Roseville, Placer County, California, which is more particularly described in Exhibit "A" ("the Subject Property"). DEVELOPER currently intends to develop the Subject Property, and as a condition of such development, or as provided for per the Development Agreement between DEVELOPER and CITY, the terms of which are fully incorporated herein by this reference, CITY requires that DEVELOPER construct or finance the construction of a bus shelter on the Subject Property, on real property to be dedicated to CITY as part of landscape corridor and/or public right-of-way.

B. In order to satisfy such condition(s) set forth in Paragraph A, DEVELOPER hereby desires to pay CITY the full present cost of constructing such bus shelter. Such funds shall be deposited into CITY account 00440-2011/683505-70. DEVELOPER has previously

: 12/14/2015]

provided to CITY, or will provide to CITY concurrent to the execution of this Agreement, an easement to allow for the construction, installation, operation, and maintenance of a bus shelter, or other transit related facilities, by CITY or its designated agents, in further satisfaction of such condition(s).

C. CITY is willing to accept and deems such payment and easement as in full compliance with the aforementioned condition(s) of the project permit for the Subject Property, with the understanding that the funds may be used as determined by CITY for the placement of any transit related improvement within the vicinity of the Subject Property.

NOW, THEREFORE, the parties agree as follows:

1. Agreement Runs with the Land. This Agreement is an instrument affecting the title or possession of the Subject Property. It shall run with the land, and all of the terms, covenants, conditions and restrictions of this Agreement shall be binding upon and inure to the benefit of all of the successors in interest of DEVELOPER. Upon sale or division of the Subject Property, the terms, conditions, covenants and restrictions of this Agreement shall apply to each parcel, and the owner or owners of each parcel of the Subject Property shall succeed to the obligations imposed upon DEVELOPER by this Agreement.
2. Payment. Concurrent with the execution of this Agreement, DEVELOPER shall pay to CITY the sum of Ten Thousand Dollars (\$10,000.00), which represents the full current cost of constructing a bus shelter, or other transit related facility.
3. Location. CITY, in its sole discretion, may choose to construct, install, operate, and/or maintain a bus shelter upon the Subject Property, or may choose to use the funds to build any other transit related facilities within the vicinity of the Subject Property.
4. Right of Entry. Permission to enter onto the Subject Property or other property of DEVELOPER is hereby granted to CITY, or its designated agents, as may be necessary to construct, install, operate, or maintain such bus shelter or other transit related facilities.

5. Compliance with Conditions. Upon delivery to CITY of both the fully executed grant of easement specified in Paragraph B above and the payment specified in Section 2 above, DEVELOPER shall be deemed to have fully complied with and satisfied the condition of the Project Permit for the Subject Property for the financing and construction of the required bus shelter.

6. Integration. This is an integrated agreement, and contains the complete understanding of the parties. It shall be read as a whole.

7. Amendments. This Agreement and each provision contained herein may be waived, amended, supplemented, or terminated only by mutual written agreement of CITY and DEVELOPER.

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

CITY OF ROSEVILLE

City of Roseville
311 Vernon Street
Roseville, CA 95678
Attn: Public Works Dept.

DEVELOPER

Elliott Homes, Inc.
340 Palladio Parkway Suite 521
Folsom, CA 95630-8775
Attn: Price Walker

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

9. Venue. Any action arising out of this Agreement shall be brought in Placer County, regardless of where else it might otherwise be venued.

10. Attorney's Fees. In any action brought by either party to enforce the terms of this Agreement, the prevailing party shall be entitled to recover its reasonable attorney's fees.

IN WITNESS WHEREOF, the City of Roseville, a municipal corporation, has caused this Agreement to be executed 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 DEVELOPER has caused this Agreement to be executed.

CITY OF ROSEVILLE, a
municipal corporation

BY: _____
ROB JENSEN
City Manager

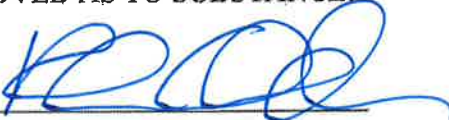
ATTEST:

BY: _____
SONIA OROZCO
City Clerk

APPROVED AS TO FORM:

BY: _____
ROBERT R. SCHMITT
City Attorney

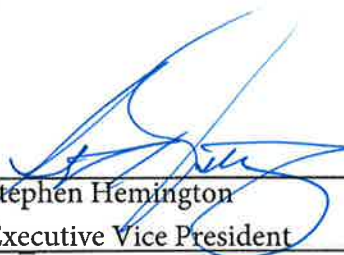
APPROVED AS TO SUBSTANCE:

BY:  _____
RHON HERNDON
Public Works Director

DEVELOPER:
Elliott Homes, Inc., _____, an
Arizona Corporation

BY:  _____
Harry Elliott III
its: President

and

BY:  _____
Stephen Hemington
its: Executive Vice President

(NOTARIZATION REQUIRED)

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 Sacramento)On January 21, 2016 before me, Susan R Stephens, Notary Public
*Date Here Insert Name and Title of the Officer*personally appeared Harry Elliott, III and Stephen Hemington
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.

Signature Susan R Stephens
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 DocumentTitle or Type of Document: Transit Bus Shelter Construction Fee Agreement Document Date: Signed 01/21/16

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: _____

Exhibit A
Legal Description

Specific Plan Parcel 49

Stoneridge East Village 10 Phase 1

Lots 46 through 58, inclusive, as shown on the "Final Map of Stoneridge East Village 10 Phase 1," recorded in Book CC of Maps, Map No. 18, official records of Placer County, California.

Stoneridge East Village 10 Phase 2

Lots 1 through 45 and 59 through 95 inclusive, as shown on the "Final Map of Stoneridge East Village 10 Phase 2, Subdivision No. SUB-000114" recorded in Book DD of Maps, Page No. 28, official records of Placer County, California.



COUNCIL COMMUNICATION

CC #: 7630
File #: 0800-06

Title: On-Call Material Testing - Professional Services Agreement
Contact: Guy Howes 916-774-5430 ghowes@roseville.ca.us

Meeting Date: 5/4/2016
Item #: 7.14.

RECOMMENDATION TO COUNCIL

1. Adopt the attached resolution approving the professional service agreement with Engeo to provide On-Call material testing services for development and Capital Improvement Projects; and,
2. Authorize the City Manager to execute the agreement on behalf of the City for a not-to-exceed fee of \$300,000.00.

BACKGROUND

From the late 1990's, Engineering staff has utilized professional service agreements for material testing services to ensure future roadway infrastructure improvement materials supplied and placed within City right-of-way and public utility easements met the requirements of City Standards. Past service contract durations have ranged from one to two year terms with optional provisions for a one-year extension option. In all cases, staff solicited services through a formal Request of Proposal (RFP), selection process where qualified firms were evaluated, ranked, and ultimately contracted with the professional services.

The City's current On-Call material testing contract will expire in June, 2016. In anticipation of this occurrence, Staff is proactively preparing for another busy construction season by soliciting RFP's prior to the expiration of the present contract. The results of the RFP process produced thirteen (13) proposals which were individually evaluated and ranked by a selection committee panel consisting of Staff members. From this process, two firms ranked highest in terms of service, experience, and available staffing, Blackburn Consulting and Engeo. Since both of these firms provide similar services and conduct business locally, the likelihood of them having pre-existing private contracts with City developers was acknowledged. As such, in the best interest of the City and consultant, Staff will pursue two separate agreements with these top ranked firms. Staff will prepare a separate staff report for Blackburn Consulting under separate cover.

This agreement with Engeo also provides for the City the ability to select key field personnel for upcoming major CIP's and specific plan construction scheduled for this coming summer, including; Roseville Road Realignment, The 2016 Residential Resurfacing Project, and the Sierra Vista Specific Plan subject to issuance of pending environmental permitting.

Likewise, major roadway backbone and subdivision improvements within The Westbrook Specific Plan are also scheduled for construction in 2016. These improvements consist of underground utilities, collector streets with traffic signals, and landscaping corridors. Consequently, utilization of material testing consultants will continue to play a vital role in City inspection services to the development community and Capital improvement Program.

FISCAL IMPACT

The actions requested as part of this item have a no impact to the City's General Fund. Development agreements between the City and developers require the owners/developers to reimburse the City for actual costs of providing plan check and inspection services. Similarly, Capital Improvement Projects budgets include funds for construction management services. The entire amount of this agreement is considered "pass-through" in which all construction services would be reimbursed by either owners/developers or allocated CIP budgets with no incurred expenses to the General Fund.

ECONOMIC DEVELOPMENT / JOBS CREATED

Note a national economic development study has shown that for every \$92,000 invested in public projects 1 job is created.

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 (CEQA Guidelines § 15061(b) (3). The professional services agreement does not include the potential for a significant environmental effect, and therefore is not subject to CEQA.

Respectfully Submitted,

Guy Howes, Senior Engineer

Kevin Payne, Development Services Director



Rob Jensen, City Manager

ATTACHMENTS:

Description

Resolution No. 16-141

Engeo PSA

RESOLUTION NO. 16-141

APPROVING A PROFESSIONAL SERVICES AGREEMENT BY AND BETWEEN THE
CITY OF ROSEVILLE AND ENGeo, AND AUTHORIZING THE CITY MANAGER TO
EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE

WHEREAS, a professional services agreement regarding Master Agreement for On-Call
Material Testing Services, by and between the City of Roseville and ENGeo, 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; and

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

Project: Master Agreement for On-Call Material Testing Services

THIS AGREEMENT is made and entered into this ____ day of _____, 20__,
by and between the City of Roseville, a municipal corporation ("CITY"), and ENGEO, a
California corporation ("CONSULTANT"); and

W I T N E S S E T H:

WHEREAS, CITY desires professional services consisting of on-call material testing
services; and

WHEREAS, CITY desires to have ready, on an on-call basis, a qualified consultant to
provide material testing services under agreements subservient to this Agreement, to be executed
as task agreements; and

WHEREAS, CONSULTANT has prepared a proposal dated February 10, 2016, which
describes the scope of work to be performed by CONSULTANT and the budget for the work, as
applicable; and

WHEREAS, CONSULTANT is qualified and experienced to provide professional
services related to material testing.

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 three hundred thousand dollars (\$300,000.00).

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.

Individual tasks will be awarded on an as-needed basis. CITY may assign work to one or, more than one CONSULTANT from an approved Qualified List. CITY reserves the right to unilaterally assign work to any CONSULTANT(s), as it deems prudent or, if no services are required, no work. CITY makes no specific guarantee of a minimum or maximum number of hours or amount of tasks or services, which shall be required of any single CONSULTANT. In addition, the inclusion of any CONSULTANT on any Qualified List, if so utilized by CITY, shall in no way be considered an exclusive agreement to provide service for CITY.

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, to the extent caused by 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.

CONSULTANT's aggregate liability hereunder shall be limited by CITY to \$2,000,000.

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

<u>COVERAGE</u>	<u>LIMITS OF LIABILITY</u>
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 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 work 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. Access to Records. Duly authorized representatives of CITY shall have right of access during normal business hours to CONSULTANT's files and records relating to the services performed hereunder, and may review the files and records at appropriate stages during performance of the services.

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, rules, regulations, ordinances and policies as may be applicable to the performance of services under this Agreement. This Agreement may result in individual tasks, services, and/or projects, arising out of this Agreement, but agreed to and executed by and through a separate sub-agreement, or task agreement, that utilizes federal funds. If federal funds are utilized, the task agreement will be subject to 49 CFR, Part 26 entitled "Participation by Disadvantaged Business Enterprises in Department of Transportation Financial Assistance Programs" (DBE). The goal for DBE participation, if so made applicable, will be set forth in each task agreement issued under this Agreement. Participation by DBE CONSULTANT or subconsultants shall be in accordance with information contained in Exhibits incorporated as part of the task agreement. If a DBE subconsultant is unable to perform, CONSULTANT must make a good faith effort to replace him/her with another DBE subconsultant, if the goal is not otherwise met. DBEs and other small businesses, as defined in 49 CFR, Part 26 are encouraged to participate in the performance of task agreements financed in whole or in part with federal funds. CONSULTANT shall not discriminate on the basis of race, color, national origin, or sex in the performance of this Agreement. CONSULTANT shall carry out applicable requirements of 49 CFR, Part 26 in the award and administration of federal-assisted agreements. Failure of CONSULTANT to carry out these requirements is a material breach of this Agreement which

may result in the termination of this Agreement or such other remedy as CITY deems appropriate.

8. Prevailing Wage. CONSULTANT shall comply with all applicable prevailing wage laws, including, but not limited to, any and all applicable federal prevailing wage requirements for task agreements that utilize federal funds. Additionally, CONSULTANT shall require its subcontractors, if any, to comply with all applicable prevailing wage laws for services performed under this Agreement. In accordance with Section 1775 of the California Labor Code CONSULTANT shall forfeit as a penalty to CITY fifty dollars (\$50.00), and/or such other penalty amounts required by statute, for each calendar day or portion thereof, for each worker paid less than the prevailing wage rates for such work or craft in which such worker is employed for any work done under this Agreement by CONSULTANT or by any subcontractor under CONSULTANT in violation of the provisions of the California 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 CONSULTANT. Moreover, CITY shall have the right to withhold payment in such amounts as directed by the Department of Industrial Relations or Labor Commissioner. Prevailing wage rates may be obtained from the State Department of Industrial Relations and/or the follow website address: <http://www.dir.ca.gov/DLSR/PWD/Northern.html>. During the performance of this Agreement, CONSULTANT and its subcontractors, if applicable, shall have a continuing legal obligation to maintain current registration with the Department of Industrial Relations pursuant to Labor Code

Section 1725.5. CONSULTANT is hereby notified that certain tasks may be subject to compliance monitoring and enforcement by the Department of Industrial Relations.

9. Ability to Perform. CONSULTANT agrees and represents that it has the time, ability and professional expertise to perform the services required under this Agreement, including, DBE requirements. If CONSULTANT is not able to perform the scope of work for a particular task, service, or project, for any reason, including failure to satisfy any applicable federal laws, rules, regulations or policies, CITY may seek other qualified consultants.

10. 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.

11. 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.

12. 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.

13. 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.

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

15. 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.

16. Termination of Agreement. 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.

17. 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.

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

19. 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.

20. 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

Development Service Department
311 Vernon Street
Roseville, CA 95678

CONSULTANT

Mark Gilbert
ENGEO
2213 Plaza Drive
Rocklin, CA 95765

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

21. Term of Agreement. The term of this Agreement shall be two (2) years. The City Engineer may extend this Agreement an additional one (1) year upon written approval by both parties.

22. 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

ENGEO, a California corporation

BY: _____
ROB JENSEN
City Manager

BY: 
its: Uri Eliahu President

and

BY: 
Its: Tara Demihick, TREASURER

ATTEST:

BY: _____
SONIA OROZCO
City Clerk

[SIGNATURES CONTINUED ON THE NEXT PAGE]

APPROVED AS TO FORM:

BY: _____
ROBERT R. SCHMITT
City Attorney

APPROVED AS TO SUBSTANCE:

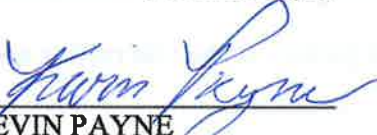
BY: _____
KEVIN PAYNE
Development Services Director

EXHIBIT “A”



Expect Excellence

GEOTECHNICAL
ENVIRONMENTAL
WATER RESOURCES
CONSTRUCTION SERVICES

Project No.
P2016.000.003

February 10, 2016

City of Roseville
Attn: City Clerk Department
311 Vernon Street
Roseville, CA 95678

Subject: Proposal for On-Call Materials Testing Services
Roseville, California

COVER LETTER

Dear City Clerk:

ENGEO Incorporated would be delighted to provide on-call materials testing services to the City of Roseville. As a long-time resident of the City of Roseville and as a principal engineer leading ENGEO's local office, I would be proud to serve as your Client Manager. I give you my personal commitment to provide the most responsive and professional materials testing services available. We offer you certified personnel with experience, education, and the right attitude to augment City staff for the busy times ahead. We consider ourselves an extension of your staff to be counted on as a valuable resource when you need us.

We have a thorough understanding and familiarity with current City and State standards and specifications.

Our field representatives receive unparalleled training through our internal training programs. In fact, last Friday we held a Soil Mechanics 101 class for our field representatives and have a series of six more training sessions planned this year (HMA, Special Inspections, Lab Testing, Geotechnical/Geologic Hazards, Geotechnical Construction Products, and MSE Wall Construction).

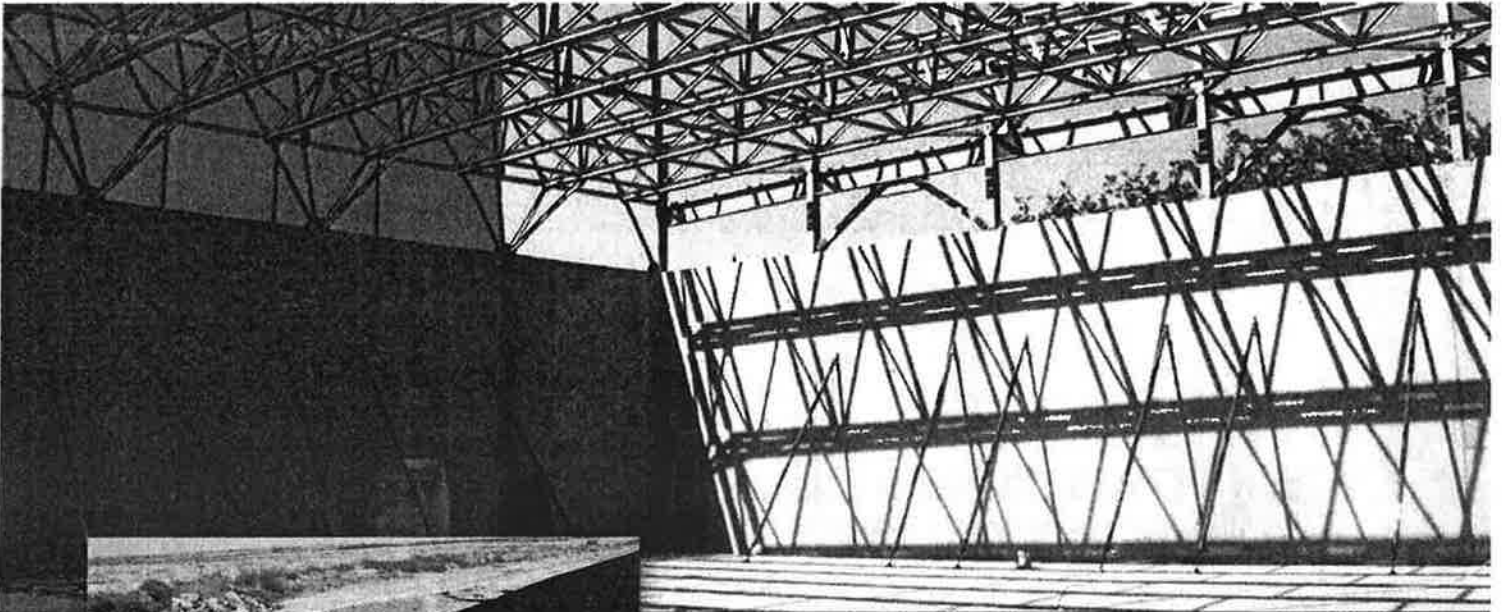
We are geographically close to you and can be at your project sites in minutes.

We can help with any geotechnical engineering, specialty testing, stormwater services, and environmental services. With our current work load, we can manage the City's projects comfortably and with priority. Please call me at (916) 580-6502 or email mgilbert@engeo.com.

Sincerely,

ENGEO Incorporated

Mark Gilbert, GE, QSD
Principal



PROPOSAL FOR ON-CALL MATERIALS TESTING SERVICES



Submitted to:

City of Roseville
Attn: City Clerk Department
311 Vernon Street
Roseville, CA 95678

February 10, 2016

ENGEO
— Expect Excellence —

TAB A: FIRM'S QUALIFICATIONS

ENGEO is an employee-owned, award-winning firm of geotechnical and civil engineers, geologists, hydrologists, environmental scientists, and construction quality assurance field representatives. Founded in 1971, we have offices throughout California.

Services for this contract will be performed by our local Rocklin office and laboratory located at 2213 Plaza Drive, Rocklin, CA 95765.

ENGEO serves projects in transportation; infrastructure; water storage, conveyance and treatment; industrial facilities; geologic hazard mitigation; flood control facilities; civic structures; healthcare; education; energy; manufacturing; ports, harbors and waterfront development; residential and mixed-use communities; and urban development.

Commitment to Client Service

Client service is the cornerstone of ENGEO's business philosophy. ENGEO professionals are absolutely committed to outstanding service in every aspect of our clients' projects. We have invested in technology for the benefit of client service in the field, laboratory, and office. We foster open lines of communication, immediate response to client concerns and questions, and an unfailing sense of accountability to place the success of our clients as our highest priority.

Laboratory Testing

ENGEO maintains in-house soil and materials testing laboratories managed by registered civil engineers. Our laboratories are certified and accredited through the following:

- California Department of Transportation (Caltrans)
- Cement and Concrete Reference Laboratory (CCRL)
- AASHTO Materials Reference Laboratories (AMRL)
- U.S. Army Corps of Engineers (USACE)

Resources

ENGEO can provide a multi-disciplined Field Representative for your project—a person who can save time and money by providing different types of inspections during the same visit. Our field representatives are trained to review plans and observe and report details on projects, thus potentially minimizing future problems. ENGEO's staff of field representatives is certified by the following:



Core Services

Construction-Phase Testing & Observation
Special Inspection & Materials Testing
Stormwater Management
Geotechnical Engineering
Environmental Engineering
Engineering Geology
Water Resources & Hydrology
GIS/GPS
Geologic Hazard Abatement Districts (GHADs)
Entitlement & Permitting Support

Caltrans – California Department of Transportation
ACI – The American Concrete Institute
AWS – The American Welding Society
ASTM – The American Society for Testing and Materials
AASHTO – The American Association of State Highway & Transportation Officials
NICET – The National Institute for Certification in Engineering Technologies

Firm Organization and Staffing

At the beginning of each year we carefully examine our anticipated workload and make hiring decisions according to the resources needed. We are nimble in our ability to expand or contract staff numbers and we maintain capacity in our system so that we can readily accommodate any unforeseen project needs. Because we have multiple office in Northern California, we can easily shift personnel rapidly to serve your projects.

ENGEO has grown at a steady and controlled pace, adding staff at about 10% annually over the past five years. Below is a firm organization chart showing our office locations.



TAB B: EXPERIENCE AND REFERENCES

Public Agency Experience

ENGEO has provided services to public agencies for more than 45 years. We have been retained for many on-call contracts, giving us the unique understanding of the intricacies of on-call services. We are recognized by over 100 Building Department jurisdictions throughout Northern California authorizing ENGEO to provide services for numerous cities and counties. Since 1971, we have been fortunate to have cultivated long-term relationships with the personnel in many Public Works Departments. We have recently served or are currently serving the following on-call contracts:



- City and County of San Francisco, *Materials Testing and Special Inspection Services*
- City College of San Francisco, *Special Inspection and Materials Testing*
- City of Brentwood, *Materials Testing, Special Inspection, Geotechnical Testing and Observation*
- City of Campbell, *Special Inspection*
- City of Concord, *Materials Testing*
- City of Livermore, *Geotechnical Engineering and Materials Testing*
- City of Oakland, *On-Call Geotechnical Engineering Services*
- City of Oakley, *Materials Testing*
- City of Pittsburg, *Construction Testing and Observation, Geotechnical Engineering*
- City of Pleasanton, *Geotechnical Consulting and Materials Testing*
- City of Rio Vista, *Geotechnical, Materials Testing and Special Inspection for City Infrastructure*
- City of Roseville, *Materials Testing and Stormwater Monitoring*
- City of Sacramento, *Professional Services*
- City of San Ramon, *Geotechnical Engineering Services*
- City of Sebastopol, *On-Call Consulting Services*
- City of Sunnyvale, *Stormwater Pollution Prevention Plans (SWPPP)*
- City of West Sacramento, *Materials Testing Services*
- Contra Costa County, *Geotechnical Engineering Services*
- County of Alameda, *Geotechnical Peer Review for over 30 projects*
- County of Merced, *Geotechnical Engineering Services*
- County of Sacramento, *Environmental Services*
- Diablo Water District, *Geotechnical Engineering Services, Materials Testing, Special Inspection*
- Placer County Water Agency, *On-Call Inspection and Materials Testing*
- Sacramento County Water Agency, *Construction Management Support Services*
- San Francisco Department of Public Works, *Environmental Services*
- San Francisco International Airport, *On-Call Geotechnical Engineering Services*

Select Roseville Experience

- 316 Vernon Street Office Building
- Roseville Residential Resurfacing (2015)
- City of Roseville On-Call Materials Testing Services 2002 – 2007
- Eureka Road and Interstate 80 HMA Testing
- 2006 Arterial Overlay Project
- 2009 Cape Seal Project
- Park Site W-53 and NC55B
- Mahany Park Shade Structure
- Royer Park Tennis Court Renovation
- Diamond Oaks Golf Course Restroom Replacement
- George GOTO Park Shade Structure
- Harry Crabb Park
- Mahany Park Recycled Water Retrofit Project
- Hilltop Circle Sidewalk and Parking Lot Improvements
- 110 Lincoln Street
- Central Roseville Park and Ride
- Civic Plaza Parking Garage
- Civic Plaza Office Complex
- Mahany Park Sports Center
- Roseville Aquatics Chlorine Tank Enclosure
- Riverside Streetscape Project
- Roseville Energy Park
- Roseville Fire Station No. 9
- Stoneridge Specific Plan Infrastructure
- West Roseville Specific Plan
- Vernon and South Grant Street Parking Garage
- Royer Park Dry Creek Water Quality Monitoring
- Galleria Boulevard Hwy 65 Improvements
- Pleasant Grove Highway 65 Interchange
- Martha Riley Community Library and Education Center



Select References

City of Roseville Parks—Roseville, CA

ENGEO attended pre-construction meetings, coordinated, reviewed and organized test results and daily field reports, and notified the City project manager of any items that required attention. The Park sites have included mass grading, construction of underground utilities, sidewalks, basketball courts, softball fields, shade structures, pedestrian bridges and masonry restrooms. Special inspections have included welding, concrete sampling, reinforcing steel inspections, masonry grout placement observation and sampling, and drilled pier observation. Projects have included:

- Park Site W-53 and NC55B
- Mahany Park Shade Structure
- Royer Park Tennis Court Renovation
- Diamond Oaks Golf Course Restroom Replacement
- George GOTO Park Shade Structure
- Mahany Park Recycled Water Retrofit Project
- Hilltop Circle Sidewalk and Parking Lot Improvements

Client Contact: Rjahja Canlas, City of Roseville, (916) 746-1300
Contract Value/Duration: \$ unknown; on-going

On-Call Materials Testing and Geotechnical Consulting—City of Pleasanton, CA

ENGEO has been providing on-call services to the City of Pleasanton since 2005. Recent projects include:

- SS Lift Station S-6 Replacement
- W. Las Positas Street Repair
- Vineyard Avenue Sinkhole Repairs
- 4455 Black Avenue Aquatic Center
- Annual Water Line Replacement, Johnson Drive
- Valley Avenue Pedestrian Pathway
- Iron Horse Trail Improvements

Client Contact: Adam Nelkie, City of Pleasanton, (925) 931-5027
Contract Value/Duration: 2010 – 2013; \$113,000 and 2013 – 2016: \$40,000 to date

On-Call Materials Testing—City of Pittsburg, CA

ENGEO has provided testing and observation services for several projects that are part of the City's Downtown Improvements. These improvements typically include underground utility installation, roadway and parking lot construction, and providing as needed engineering consultation. In addition, we provided environmental testing that included asbestos and lead content in buildings and facilities demolished by the City. Projects have included:

- Marina Promenade
- Enean Theatre Project
- 2009 Prop. 1B Paving Project

- The Downtown Water Sewer and Storm Drain Project
- West 10th Street Rehabilitation Project
- Cumberland UDA Project
- Downtown Utility Underground Project
- Gateway On-Site Improvements Project
- John S. Bryant Park
- 1044 Cumberland Ave. Asbestos Containing Material and Lead Based Paint Survey
- West Boulevard Asbestos Containing Material and Lead Based Paint Survey

Client Contact: Ron Nevels, City of Pittsburg, (925) 252-4949
Contract Value/Duration: 2006 – 2010; \$590,000 and 2010 – 2014; \$100,000

On-Call Materials Testing Services—City of Brentwood, CA

ENGEO provided on-call materials testing services since 2004. Our team of inspectors and field representatives provided service on various projects including:

- Streets of Brentwood, Sand Creek Road at Highway 4 Bypass
- Lift Station L-4, CIP 592-59080
- 100 Chestnut Street Parking Lot
- Downtown Infrastructure Improvements
- Brentwood City Hall, Community Center and Parking Structure
- Brentwood Downtown Civic Center Exploration
- Solid Water Transfer Station Expansion

Client Contact: Craig Drafton, City of Brentwood, (925) 250-7694
Contract Value/Duration: 2004-2008; \$500,000 and 2009 – 2015; \$500,000

On-Call Geotechnical Engineering and Materials Testing Services—City of Livermore, CA

ENGEO has provided on-call services for various capital improvement projects including:

- Isabel Avenue/I-580 Interchange
- El Charro Specific Plan Infrastructure Project
- 2009 Slurry Seal and Roadway Overlay Project
- Downtown Pedestrian Transit Path
- Federal Economic Stimulus Roadway Improvements Project
- Tract 7428, 7610, 7779 - Underground and Roadway Construction
- First Street, Holmes Street and Vallecitos Road Rehabilitation
- Traffic Signal at Vasco Road
- Vallecitos Road & Vineyard Avenue Roadway Widening Geotechnical Exploration

Client Contact: Robert Follenfant, City of Livermore, (925) 960-4542
Contract Value/Duration: 2007 – 2012; \$1,000,000 and 2012 – 2015; \$1,000,000

On-Call Materials Testing Services—City of San Ramon, CA

ENGEO has provided geotechnical consulting services for the City of San Ramon since 1998. Our services have included pavement studies, creek evaluation and erosion repair studies and geologic hazard abatement projects. Recent on-call materials testing services contract projects include:

- Alcosta Blvd/Davona Dr. Traffic Signal Improvements
- Alcosta Blvd Pavement Rehabilitation
- Pet Clinic Project
- Bollinger Canyon Road Pavement Rehabilitation Project CIP 5561
- 2012-2013 Pavement Management Project CIP 5509
- Central Park Renovation Project
- San Ramon Valley Blvd. Pavement Consultation
- Crow Canyon Road Pavement Rehabilitation Project CIP 5324

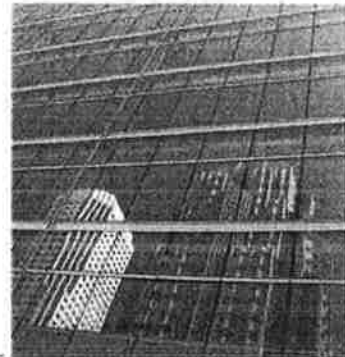
Client Contact: Peter Phoon, City of San Ramon, (925) 973-2670

Contract Value/Duration: 2011 – 2014; \$300,000

On-Call Special Inspection and Materials Testing Services—City and County of San Francisco Department of Public Works

ENGEO has provided services through an on-call contract with the City and County of San Francisco since 2001, providing special inspection and materials testing services for capital improvement projects including public facilities, bridges and roadway projects. Projects have included:

- San Francisco General Hospital Seismic Upgrade, Triage Renovation Electrical Distribution Repair and Trash Compactor Replacement Projects
- Ingleside, Bernal Heights and Eureka Valley Library Renovations
- Cesar Chavez Bridge Retrofit
- 4th Street Bridge seismic retrofit and rehabilitation
- Elevator Upgrade, Ton Waddell Medical Clinic
- James Rolph Clubhouse and Moscone Recreation Center and Clubhouse Renovation projects
- War Memorial Opera House Chiller Replacement Unit
- Golden Gate Park Spreckels Temple of Music Band Shell Renovation



Client Contact: Stanley DeSouza, San Francisco DPW, (415) 554-8369

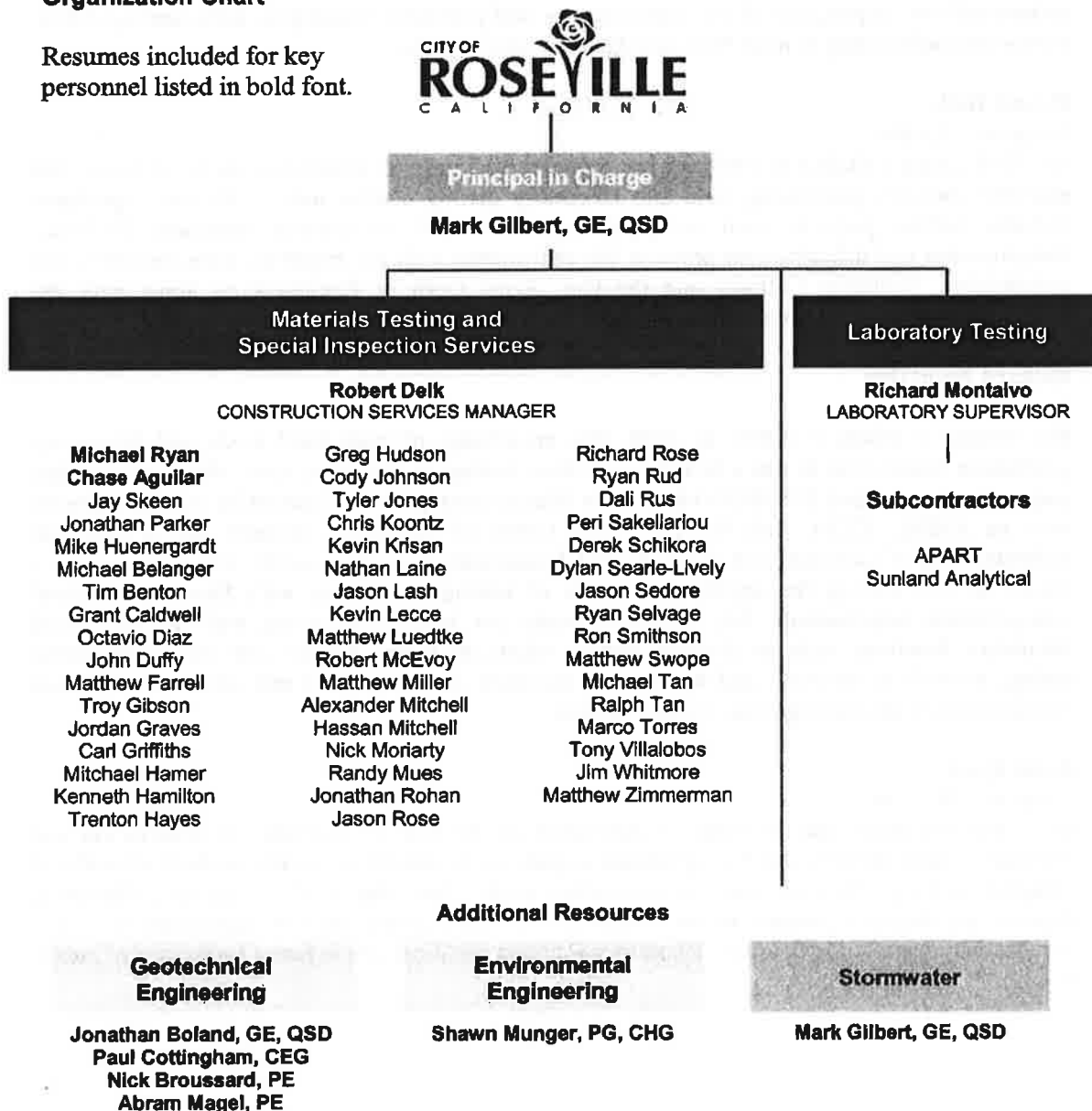
Contract Value/Duration: 2006 – 2009: \$600,000; 2009 – 2011: \$600,000

TAB C: QUALIFICATIONS OF TEAM

From our local Rocklin office and five Northern California branch offices, ENGEO can mobilize personnel at virtually a moment's notice to meet your needs. We maintain a flexible staff and have available resources to handle any size project. The ENGEO professionals presented on the organization chart have been identified and are committed to work on the projects performed under this contract. The following individuals were selected with consideration of their technical skills, availability and proximity to the City. When necessary, we carefully add staff to maintain responsiveness and quality engineering.

Organization Chart

Resumes included for key personnel listed in bold font.



Bios of Key Personnel

Mark Gilbert, GE, QSD

Location: Rocklin

Mr. Gilbert has been practicing geotechnical engineering since 1985. He has been with ENGEO since 2002. He has directed and managed hundreds of geotechnical investigations for government, residential, and commercial projects throughout Northern California and Western Nevada. He has significant experience with complex soil conditions including expansive soils, organic deposits, and difficult geologic conditions. Mr. Gilbert also has broad experience with geotechnical testing, materials testing, and special inspections and is familiar with, local, State and Federal Codes. As the Rocklin Lab responsible Professional Engineer, Mr. Gilbert understands the importance of lab accreditations and personnel training in documenting public works materials testing to meet State and Federal requirements.

Robert Delk

Location: Rocklin

Mr. Delk joined ENGEO in 2000 and has more than 18 years of experience in the industry. His expertise includes performing field and laboratory quality control testing. Project experience includes public projects such as pipelines, water and wastewater treatment facilities, transportation and infrastructure projects. He coordinates with the engineer, team members and stakeholders, including Caltrans and the U.S. Army Corp of Engineers, to assist with the development of recommendations in the field.

Richard Montalvo

Location: Rocklin

Mr. Montalvo joined ENGEO in 2004. His knowledge of both field work and laboratory procedures allows him to see a task through from testing to documentation. Mr. Montalvo has prepared and organized ENGEO's lab Quality Manual for rapid accreditation by outside agencies such as AMRL, CCRL and the US Army Corps of Engineers. Richard has a thorough understanding of Caltrans' test methods and frequencies and often assists our public agency clients in determining the appropriate levels of testing to comply with State and Federal transportation requirements. Mr. Montalvo leads our laboratory testing and has performed laboratory functions such as R-value testing, plasticity index, compaction and compression testing, as well as moisture and hydrometer analyses. He holds field and laboratory Caltrans certifications in most categories of public testing.

Mike Ryan

Location: Rocklin

Mr. Ryan has more than 16 years of experience in the field of construction observation and materials testing services. He has significant experience in conditions involving difficult soil and complex geology. His excellent communication skills allow him to efficiently and effectively express geotechnical design recommendations to contractors, project representatives, and owners. Mr. Ryan holds field and laboratory Caltrans certifications in many categories of public testing.

Chase Aguilar

Location: Rocklin

Mr. Aguilar joined ENGEO in 2015 and performs construction observation and materials testing services. He serves projects in transportation, infrastructure, water resources and development.

Jonathan Boland, GE, QSD

Location: Rocklin

Mr. Boland has more than 15 years of experience working directly with public agencies, developers, and land owners, providing geotechnical consulting, project management, and quality assurance materials testing for residential communities, hospitals, schools, water storage, levees and other public works projects throughout northern California and western Nevada.

Mr. Boland has extensive experience with managing and coordinating field testing operations during mass grading activities, underground utility construction, and asphalt concrete paving in accordance with local and state specifications. He has performed analysis of levee embankments for seepage and stability and has prepared design recommendations for deep pile foundation systems including vertical pile capacity, lateral pile deflection analysis, consideration for pile groups, and long term settlement potential.

Paul Cottingham, CEG

Location: Rocklin

Mr. Cottingham, conducts field investigations, develops recommendations, completes geotechnical and geologic reports, and manages earthwork construction projects. His expertise includes project management of public and private sector projects, including infrastructure.

Paul's management of earthwork construction projects has included diligent oversight of field staff providing testing and observation for monitoring earthwork construction. Paul is adept at developing engineering solutions for problems that arise during construction as well as preparing construction-related documents.

Nick Broussard, PE

Location: Rocklin

Mr. Broussard joined ENGEO in 2011 and provides geotechnical consultation, project management and construction management services for public facilities and infrastructure, levee projects, transportation projects, residential and commercial developments. He performs geotechnical explorations, coordinates closely with public agencies and prepares geotechnical reports. He is experienced with analyses for slope stability, liquefaction, settlement, seepage, pavement and foundations for projects in and around Sacramento and the Bay Area and has managed numerous earthwork and special inspection projects.

Abram Magel, PE

Location: Rocklin

Mr. Magel joined ENGEO in 2013. He coordinates and performs field investigations, engineering analysis, assists in providing design recommendations, and communicates with various project team members in providing geotechnical services. He specializes in computer modeling, compressible soils, instrumentation and slope stability analyses.

Shawn Munger, PG, CHG

Location: Rocklin

Since joining ENGEO in 1985, Mr. Munger has been managing groundwater supply evaluations, hydrogeologic studies, chemical assessments, Phase I and II Site Assessment projects, UST site investigations, risk based corrective action (RBCA), VOC remediation, and agricultural impact evaluations. He serves as Principal-in-Charge or Project Manager for environmental and hazardous materials projects involving groundwater hydrology, contaminant fate and transport, and remediation.

Subcontractors

Asphalt Pavement and Recycling Technologies, Inc. (APART)

Asphalt Pavement And Recycling Technologies, Inc. (APART) was formed in April 2001 by Steven Escobar and Robert Staugaard. Former employees of Witco-Golden Bear Division and later Golden Bear Oil Specialties, they have over 50 years of combined experience in the testing, evaluation, and marketing of asphalt mixtures, asphalt binders, and related products. They are an accredited Laboratory by AASHTO Materials Reference Laboratory (AMRL).

APART's primary functions are:

1. Quality Control/Quality Assurance for New Asphalt Concrete Construction, Asphalt Pavement Recycling and Asphalt Shingles Recycling.
2. Testing for a Wide Spectrum of Asphalt Products, Asphalts, Emulsions, Mixtures, Recycled Mix Designs, Aggregates, Superpave-Hamburg Wheel-Track, Rubber Asphalt Cements, Bituminous Mixture Forensics, Recycling Agents and others.
3. Product Development and Marketing of New Products/New Applications for Various Industries.

The firm's testing includes: Performance Graded (PG) Asphalt Cements, Asphalt Cement and Liquid Asphalt, Emulsified Asphalt, Mixture, Recycling Mix Designs, Slurry Seal and Microsurfacing Systems and Aggregate.

Sunland Analytical Laboratories

Sunland Analytical was incorporated in 1989 and was founded by Dr. Gene Oliphant and Mr. Randy Horney. Sunland Analytical was established with the foundation of careful, quality-controlled analysis. Sunland offers consulting and analytical services associated with soil, plants and water to the agricultural, landscape, natural habitat restoration, environmental, and geo-engineering industries. Its staff is composed of scientists, agronomists, chemists, and computer experts who consult with a variety of industries, providing specialized agronomic, environmental, and geo-engineering analytical testing, as well as, expert consultation in the areas of agronomy, soil chemical and physical properties, irrigation, plant nutrition, and plant pathology.

Annually, Sunland Analytical analyzes thousands of soil samples and has completed more than a million analyses. In most cases, Sunland provides specific recommendation for soil amendment

based on the results of these analyses. Sunland Analytical has worked with a variety of private business as well as governmental agencies and in varied capacities over the past 14 years. This includes, but is not limited to, the California Department of Fish and Game, California Department of Water Resources, State of California Department of Parks, U.S. Army Corps of Engineers, U.S.D.A./ Department of Forestry, and a variety of Counties, Cities, Park and Recreation Districts, School District and athletic facilities throughout the States of California, Oregon, Arizona, Utah and Nevada.

Key Personnel Contact List

Name	Category	Telephone	Email
Mark Gilbert, GE, QSD	Principal in Charge Geotechnical/ Stormwater	(916) 580-6502	mgilbert@engeo.com
Robert Delk	Materials Testing	(916) 300-2413	rdelk@engeo.com
Richard Montalvo	Materials Testing Laboratory	(916) 417-9772	rmontalvo@engeo.com
Michael Ryan	Materials Testing	(916) 417-5236	mryan@engeo.com
Chase Aguilar	Materials Testing	(925) 570-5853	caguilar@engeo.com
Jonathan Boland, GE, QSD	Geotechnical	(916) 580-6505	jboland@engeo.com
Paul Cottingham, CEG	Geotechnical	(916) 580-6509	pcottingham@engeo.com
Nick Broussard, PE	Geotechnical	(916) 580-6515	nbroussard@engeo.com
Abram Magel, PE	Geotechnical	(916) 580-6526	amagel@engeo.com
Shawn Munger, PG, CHG	Environmental Consulting	(916) 580-6535	smunger@engeo.com



EDUCATION

MS, Geotechnical Engineering,
Arizona State University, 1985
BS, Civil Engineering, Arizona State
University, 1983
Earthquake Ground Motion and
Foundation Design, SEAONC, 1992
Development on Closed Landfills,
CIWMB, 1992
New Developments in Earthquake
Ground Motion Estimation, ATC-35,
1995
Engineering Implications of the Jan.
17, 1995 Hyogo-Ken, Nanbu
Earthquake, SEAONC, 1995
Probabilistic Seismic Hazard
Analysis, University of California,
Davis, 2000
Impact of Soil Structure Interaction
on Response of Structures, EERI,
2007

EXPERIENCE

Years with ENGEO: 18
Years with Other Firms: 13

REGISTRATIONS & CERTIFICATIONS

Geotechnical Engineer, CA, 2191
Professional Engineer, CA, 42155
Registered Civil Engineer, AZ, 30816
Professional Engineer, NV, 17590
CASQA QSD Certified, CA, 00924

SPECIALIZATIONS

- Compressible Soils
- Deep Foundations
- Foundation Design
- High-Rise Structures
- Pavement Evaluation and Design

MARK M. GILBERT, GE, QSD

Principal Engineer

Mr. Gilbert has been practicing geotechnical engineering since 1985. He has been with ENGEO since 2002. He has directed and managed hundreds of geotechnical investigations for government, residential, and commercial projects throughout Northern California and Western Nevada. He has significant experience with complex soil conditions including expansive soils, organic deposits, and difficult geologic conditions. Mr. Gilbert also has broad experience with geotechnical testing, materials testing, and special inspections and is familiar with, local, State and Federal Codes. As the Rocklin Lab responsible Professional Engineer, Mr. Gilbert understands the importance of lab accreditations and personnel training in documenting public works materials testing to meet State and Federal requirements.

Select Project Experience

316 Vernon Street Office Building—Roseville, CA

Principal in Charge. Mr. Gilbert provide quality assurance review of the geotechnical testing and foundation inspections. The project includes the demolition of the former City Hall building and adjacent parking lot to construct a four story office building. The pre-cast concrete office building is intended for use by Sierra College and the City of Roseville.

City of Roseville Parks—Roseville, CA

Principal in Charge. Mr. Gilbert provide quality assurance review of deliverables and special inspection test results. Special inspections included welding, concrete sampling, reinforcing steel inspections, masonry grout placement observation and sampling, and drilled pier observation. The park projects included:

- Park Site W-53 and NC55B
- Mahany Park Shade Structure
- Royer Park Tennis Court Renovation
- Diamond Oaks Golf Course Restroom Replacement
- George GOTO Park Shade Structure
- Mahany Park Recycled Water Retrofit Project
- Hilltop Circle Sidewalk and Parking Lot Improvements

Fire Station Site Grading and Class 1 Trail Project—Roseville, CA

Principal in Charge. Mr. Gilbert provide quality assurance review of the geotechnical testing and field observations. The project includes demolition of existing buildings and parking lots to allow building pad grading for a new fire station and trails.

Eureka Road and Interstate 80 HMA Testing—Roseville, CA

Group Leader, Project Manager. Mr. Gilbert provided technical oversight as ENGEO performed hot mix asphalt (HMA) quality assurance testing services for night pavement work based on Caltrans Section 39. Services included batch plant and field sampling and testing. The project included grind-outs and repaving with a 3/4-inch Type A hot mix asphalt and placement of Bonded Wearing Course over various segments of Eureka Road and select portions of the Interstate 80 to Eureka Road west off-ramp.

2006 Arterial Overlay Project—Roseville, CA

Principal in Charge. Mr. Gilbert was the primary client liaison and quality assurance reviewer for materials testing services. The project involves the overlay of existing roadway surfaces with 2 inches of Asphaltic Rubberized Hot Mix (ARHM).

Central Roseville Park & Ride—Roseville, CA

Principal in Charge. Mr. Gilbert provided quality assurance review of the geotechnical and laboratory quality acceptance testing services for construction. The project includes construction of a new parking lot located and Grant and Church Street in Roseville, California. The project required nuclear field density testing of aggregate base and asphalt concrete, including lab compaction curves and Laboratory Theoretical Maximum Density (LTMD) on the asphalt concrete.

Civic Plaza Office Complex Roseville, CA—Roseville, CA

Group Leader, Principal in Charge. Mr. Gilbert provided quality assurance review of all field and lab operations involved in the special inspection services. The project includes construction of a four-story, 57,000 square foot steel framed office building with ground floor retail located at 116 Grant Street, adjacent to the Civic Plaza Parking Garage.

Civic Plaza Parking Garage—Roseville, CA

Principal in Charge. Mr. Gilbert provided quality assurance review of the geotechnical and special inspection services for construction. The project includes construction of a five level 550 space, post-tensioned steel reinforced concrete parking structure.

Mahany Library and Education Utility Center—Roseville, CA

Principal in Charge. Mr. Gilbert served as the primary client liaison and quality assurance reviewer for the geotechnical report preparation and special inspections during construction. The project includes an approximately 30,000 square foot one- and two-story combination steel framed building with slab-on-grade first floor.

Mahany Park Sports Center—Roseville, CA

Project Manager. Mr. Gilbert was the primary client liaison and quality assurance reviewer for the geotechnical construction services. The Sports Complex, Fire Station and Park include

construction of a multi-use, state-of-the-art sports facility, single story fire station, paved parking and drive lanes, two baseball diamonds, exterior flatwork, installation of underground utilities, landscaping and offsite construction of a paved turn lane and entrance.

Roseville Energy Park—Roseville, CA

Principal in Charge. Mr. Gilbert provided quality assurance and review of the geotechnical and special inspection services for design and construction. The project includes a 160 megawatt gas fired power plant at the Roseville Energy Park. Additional improvements include Power Island equipment and buildings, a cooling tower, water storage tanks, and a stormwater pond.

Roseville Parkway Widening - T&O—Roseville, CA

Principal in Charge. Mr. Gilbert provided quality assurance review of the geotechnical and special inspection services during construction. The project includes widening of Roseville Parkway from 2 to 4 lanes between Pleasant Grove Boulevard and Trestle Road.

Roseville Recycled Water Storage Tank & Pump Station—Roseville, CA

Principal in Charge. Mr. Gilbert provided quality assurance review for the geotechnical report, geotechnical testing and special inspection services for the project. The project includes construction of an approximately 72 foot diameter 1 MG recycled water tank, a pump station, a CMU building housing controls and approximately 200 lineal feet of offsite pipeline. The 1 MG tank is supported on a ring footing, the pump station on a concrete mat and the CMU building on spread footings.

Stoneridge Specific Plan Infrastructure—Roseville, CA

Principal in Charge. Mr. Gilbert was the primary client liaison and provided quality assurance review of the field and laboratory testing for the infrastructure construction. The project includes the backbone infrastructure for the 1,090 acre Stoneridge Specific Plan in Roseville. The infrastructure includes three bridges, over 10,000 lineal feet of utilities, roadways, and pavements.

West Roseville Specific Plan—Roseville, CA

Principal in Charge. Mr. Gilbert provided quality assurance review for the materials testing services on the project. ENGEO provided testing and observation for the City of Roseville for the infrastructure portions of this 3,100-acre site, including over 8,000 dwelling units. A unique feature of this specific plan is the concept of a Village Center that will provide a mix of land uses in proximity to each other to encourage pedestrian and transit access. Other amenities provided by this unique specific plan include over 10 miles of class I bicycle trails, a high school, middle school and four elementary schools, a regional soccer complex, a natural oak grove regional park, and offsite open space mitigation and significant air quality mitigation which exceeds city standards.



ROBERT T. DELK
Construction Services Manager

Mr. Delk joined ENGEO in 2000 and has more than 18 years of experience in the industry. His expertise includes performing field and laboratory quality control testing. Project experience includes public projects such as pipelines, water and wastewater treatment facilities, transportation and infrastructure projects. He coordinates with the engineer, team members and stakeholders, including Caltrans and the U.S. Army Corp of Engineers, to assist with the development of recommendations in the field.

EXPERIENCE

Years with ENGEO: 16
Years with Other Firms: 3

**REGISTRATIONS &
CERTIFICATIONS**

ACI Concrete Field Testing
Technician—Level 1, CA, 00094287
C1 Confined Spaces Awareness
Training

Caltrans:

504 Air Content (PCC)
518 Unit Weight (PCC)
533 Ball Penetration (PCC)
539 Sampling
540 Concrete Specimens
556 Slump of Fresh Portland Cement
Concrete
557 Temperature (PCC)

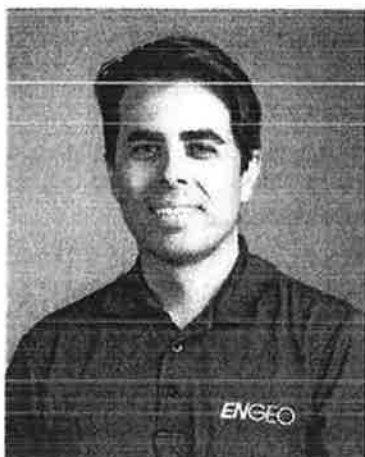
SPECIALIZATIONS

- Construction Observation
- Earth Retaining Structures
- Grading Project Management
- Laboratory Testing

Select Project Experience

- Lobo Services T&O—Roseville, CA
- Roseville Residential Resurfacing 2015—Roseville, CA
- Fire Station Site Grading and Class 1 Trail Project—Roseville, CA
- 316 Vernon Street Office Building—Roseville, CA
- HP Master Plan—Roseville, CA
- City of Roseville Well Pump Stations—Roseville, CA
- Westbrook Phases 1 and 2—Roseville, CA
- Westpark Phase 4 GEX—Roseville, CA
- WestPark Phase 3 Village 15 T&O—Roseville, CA
- WestPark Village 15 SWPPP—Roseville, CA
- WestPark Phase 3 SWPPP Services—Roseville, CA
- Longmeadow Park Weld Inspection—Roseville, CA
- Hilltop Circle Sidewalk Testing—Roseville, CA
- Mahany Park Recycled Water Retrofit Project T&O—Roseville, CA
- George Goto Park—Roseville, CA
- Diamond Oaks Golf Course Restroom Addition—Roseville, CA
- Mahany Park Shade Structure—Roseville, CA
- Royer Park Tennis Court Renovation—Roseville, CA
- NC-55B Parksites Project—Roseville, CA
- Longmeadow Parksites Project—Roseville, CA
- City of Roseville Parks—Roseville, CA
- Haddington Place—Roseville, CA
- Weber Park Renovation—Roseville, CA
- Roseville Downtown Public Improvements—Roseville, CA
- Roseville Fire Station No. 9—Roseville, CA
- Harry Crabb Park—Roseville, CA

- Sonata—Roseville, CA
- Metal Building for Environmental Utilities Department—Roseville, CA
- Bud Nichols Park at Chilton Mid. School—Roseville, CA
- Fred Festersen Sr. Park—Roseville, CA
- Union Pacific Rail Road Track Addition Geotechnical Services—Roseville, CA
- Maidu Interpretive Center Phase II T&O and SI—Roseville, CA
- Ovation Residential Development Testing—Roseville, CA
- West Colonial Public Improvements Project—Roseville, CA
- Skatetown Ice Arena Parking Expansion—Roseville, CA
- Amoruso Ranch Specific Plan—Roseville, CA
- Central Park Phase 2—Roseville, CA
- Central Park Aquatic Center—Roseville, CA
- Golfland Entertainment Center—Roseville, CA
- Civic Plaza Office Complex—Roseville, CA
- Roseville Electric Service Center Building Remodel, 2090 Hilltop Circle—Roseville, CA
- Thurtle Property Bridge and Culvert T&O and SI—Roseville, CA
- West Roseville Specific Plan—Roseville, CA
- Roseville Energy Park—Roseville, CA
- 2009 Cape Seal Project—Roseville, CA
- Martha Riley Community Library and Education Center—Roseville, CA
- City of Roseville On-Call Testing - Paul Dugin Park—Roseville, CA
- Dry Creek WWTP Maintenance Facility Bldg. - T&O—Roseville, CA
- Dry Creek WWTP Shop Building Expansion—Roseville, CA
- Pleasant Grove WWTP—Roseville, CA
- Diamond Creek DC-31 131 Residential Lots—Roseville, CA
- Diamond Creek DC-31 (Parcels 1 & 2) Underground Improvements—Roseville, CA
- Parkside Way Phase 2—Roseville, CA
- Diamond Creek Parcel 32 T & O—Roseville, CA
- Diamond Creek Parcel 31 T&O—Roseville, CA
- Westfield Galleria at Roseville Expansion—Roseville, CA
- Comprehensive High School Project - PSA—Roseville, CA
- Roseville High School Performing Arts Building—Roseville, CA
- Roseville Christmas Tree Foundation—Roseville, CA
- Eskaton Village Residential Development Phase III - T&O—Roseville, CA
- Kaiser Roseville Medical Center - Site Development—Roseville, CA
- Pleasant Grove Marketplace Phase II - T&O and SI—Roseville, CA
- Roseville Parkway Widening - T&O—Roseville, CA
- Old Navy Creekside Town Center—Roseville, CA



RICHARD A. MONTALVO

Laboratory Supervisor

Mr. Montalvo joined ENGE O in 2004. His knowledge of both field work and laboratory procedures allows him to see a task through from testing to documentation. Mr. Montalvo has prepared and organized ENGE O's lab Quality Manual for rapid accreditation by outside agencies such as AMRL, CCRL and the US Army Corps of Engineers. Richard has a thorough understanding of Caltrans' test methods and frequencies and often assists our public agency clients in determining the appropriate levels of testing to comply with State and Federal transportation requirements. Mr. Montalvo leads our laboratory testing and has performed laboratory functions such as R-value testing, plasticity index, compaction and compression testing, as well as moisture and hydrometer analyses. He holds field and laboratory Caltrans certifications in most categories of public testing.

EDUCATION

BS, Mechanical Engineering,
University of California Berkeley,
1992

EXPERIENCE

Years with ENGE O: 12
Years with Other Firms: 4

REGISTRATIONS & CERTIFICATIONS

ACI:

Concrete Field Testing Technician—
Level 1
Concrete Lab Testing Technician—
Level 1
Aggregate Testing Tech—Level 1
Concrete Strength Testing
Technician—Level 1, CA, 01075368

Caltrans:

105 Calculations
106 Specific Gravity Terms
125AC Asphalt Compaction
125AGG Aggregate
125 PCC
201 Sampling
202 Sieve Analysis
205 Crushed Particle
216 Relative Compaction (Soils)
217 Sand Equivalent
226 Moisture Content
227 Cleanness Value
229 Durability
231 Relative Compaction (Soil)
234 Uncompacted Void Content of
Fine Aggregate
235 Flat-Elongated Particles in
Course Aggregate
301 Resistance "R" Value
304 Preparation of Bituminous
Mixtures

Select Project Experience

- Roseville Residential Resurfacing 2015—Roseville, CA
- Fire Station Site Grading and Class 1 Trail Project—
Roseville, CA
- Sun City Roseville Parking Improvements—Roseville, CA
- 316 Vernon Street Office Building—Roseville, CA
- Roseville Energy Park—Roseville, CA
- City of Roseville Well Pump Stations—Roseville, CA
- Eureka Road and Interstate 80 HMA Testing—Roseville,
CA
- Westpark Phase 4 GEX—Roseville, CA
- WestPark Village 15 SWPPP—Roseville, CA
- Hilltop Circle Sidewalk Testing—Roseville, CA
- Mahany Park Recycled Water Retrofit Project T&O—
Roseville, CA
- Mahany Park Shade Structure—Roseville, CA
- Royer Park Tennis Court Renovation—Roseville, CA
- Longmeadow Parksites Project—Roseville, CA
- City of Roseville Parks—Roseville, CA
- Roseville Downtown Public Improvements—Roseville,
CA
- Carnegie Museum and Library—Roseville, CA
- Roseville Fire Station No. 9—Roseville, CA
- Harry Crabb Park—Roseville, CA
- Sonata—Roseville, CA
- City of Roseville Carport Structures—Roseville, CA

308 Bulk Specific Gravity/Bituminous Mix
 309 Theoretical Max. Specific Gravity
 366 Stabilometer Value
 367 Optimum Bitumen Content
 375 Relative Compaction (AC)
 382 Asphalt Content of Bituminous Mix
 384 Combined Gradations for HMA up to 25% (RAP)
 504 Air Content (PCC)
 518 Unit Weight (PCC)
 521 Cylinder Break
 533 Ball Penetration (PCC)
 539 Sampling
 540 Concrete Specimens
 556 Slump of Fresh Concrete (PCC)
 557 Temperature (PCC)
 Certificate, Section 39 Hot Mix Asphalt Industry Training, Caltrans, 2008
 40 Hour HAZWOPER Training, CA, 121229571614/ref140104571614
 Nuclear Gauge Operator, CA, 15122

- Ovation Residential Development T & O (formerly Fiddymment Ranch)—Roseville, CA
- Galleria Boulevard Hwy 65 Improvements—Roseville, CA
- Pleasant Grove Highway 65 Interchange—Roseville, CA
- Skatetown Ice Arena Parking Expansion—Roseville, CA
- Amoruso Ranch Specific Plan—Roseville, CA
- The Orchard at Fiddymment Ranch Testing—Roseville, CA
- Reserve Drive & Berry Street Reconstruction Project—Roseville, CA
- Central Park Phase 2—Roseville, CA
- Central Park Aquatic Center—Roseville, CA
- Downtown Library - ADA Revision—Roseville, CA
- West Colonial Estates T&O Raise 6 Pads—Roseville, CA
- West Colonial Estates - T&O—Roseville, CA
- Roseville Recycled Water Storage Tank & Pump Station—Roseville, CA
- Roseville Electric Service Center Building Remodel, 2090 Hilltop Circle—Roseville, CA
- Roseville Electric Operations Building & Warehouse Expansion—Roseville, CA
- Civic Plaza Parking Garage—Roseville, CA
- Thurtle Property Bridge and Culvert T&O and SI—Roseville, CA
- Vista Oaks Residential, Parcel 16 - Stoneridge Specific Plan—Roseville, CA
- Roseville Chamber of Commerce—Roseville, CA
- West Roseville Specific Plan—Roseville, CA
- Pleasant Grove Park Bike Trails—Roseville, CA
- Miners Ravine Off-Channel Detention Basin—Roseville, CA
- Legacy Residential Development—Roseville, CA
- Eastwood Park Awning Inspection—Roseville, CA
- Project Play Phase 1 Mahany Park—Roseville, CA
- 2009 Cape Seal Project—Roseville, CA
- 2007 Bike Trail Seal Coat—Roseville, CA
- Bear Dog Park Parking Lot - Design Services—Roseville, CA
- 2007 Cape Slurry Seal Project—Roseville, CA
- Church Street USTs—Roseville, CA
- Washington Boulevard Improvement—Roseville, CA
- 2008 Roadway Projects AC Coring—Roseville, CA
- 2007 Arterial Microsurfacing Project—Roseville, CA
- 2006 RSTP Funded Arterial Overlay—Roseville, CA



MICHAEL RYAN
Senior Field Representative I

Mr. Ryan has more than 16 years of experience in the field of construction observation and materials testing services. He has significant experience in conditions involving difficult soil and complex geology. His excellent communication skills allow him to efficiently and effectively express geotechnical design recommendations to contractors, project representatives, and owners. Mr. Ryan holds field and laboratory Caltrans certifications in many categories of public testing.

EDUCATION

AA, Computer Programming, San
Joaquin Delta College, 1998

EXPERIENCE

Years with ENGEO: 16
Years with Other Firms: 0

**REGISTRATIONS &
CERTIFICATIONS**

ACI Concrete Field Testing
Technician—Level 1, CA, 00067559

Caltrans:

216 Relative Compaction (Soils)
231 Relative Compaction (Soil)
375 Relative Compaction (AC)
504 Air Content (PCC)
518 Unit Weight (PCC)
521 Cylinder Break
533 Ball Penetration (PCC)
539 Sampling
540 Concrete Specimens
556 Slump of Fresh Portland Cement
Concrete
557 Temperature (PCC)
40 Hour HAZWOPER Training, CA,
120421560780
Nuclear Gauge Operator, CA, 13072

Select Project Experience

- Roseville Residential Resurfacing 2015—Roseville, CA
- Fire Station Site Grading and Class 1 Trail Project—Roseville, CA
- 316 Vernon Street Office Building—Roseville, CA
- City of Roseville Well Pump Stations—Roseville, CA
- Roseville Parkway Widening—Roseville, CA
- West Oaks Blvd Extension, Phase I—Roseville, CA
- Eskaton Village Residential Development—Roseville, CA
- Westfield Galleria at Roseville Expansion—Roseville, CA
- Paul Dugin Park—Roseville, CA
- Pleasant Grove Bike Trail—Roseville, CA
- Historic District Streetscape and Infrastructure Improvement Project—Roseville, CA
- Roseville Energy Park—Roseville, CA
- West Roseville Specific Plan—Roseville, CA
- Civic Plaza Office Complex—Roseville, CA
- Civic Plaza Parking Garage—Roseville, CA
- Roseville Fire Station No. 7—Roseville, CA
- Roseville Fire Station No. 9—Roseville, CA
- Harry Crabb Park—Roseville, CA
- Central Park Aquatic Center—Roseville, CA
- Westbrook Phases 1 and 2—Roseville, CA
- WestPark Phase 3 Village 15 T&O—Roseville, CA
- Mahany Park Shade Structure—Roseville, CA
- Royer Park Tennis Court Renovation—Roseville, CA
- NC-55B Parksites Project—Roseville, CA
- Weber Park Renovation—Roseville, CA
- Roseville Downtown Public Improvements—Roseville, CA
- Carnegie Museum and Library—Roseville, CA



EXPERIENCE

Years with ENGEO: 1
Years with Other Firms: 0

REGISTRATIONS & CERTIFICATIONS

ACI Concrete Field Testing
Technician—Level 1, CA
Nuclear Gauge Operator, CA, 17948

CHASE A. AGUILAR, JR. **Field Representative**

Mr. Aguilar joined ENGEO in 2015 and performs construction observation and materials testing services. He serves projects in transportation, infrastructure, water resources and development.

Select Project Experience

- 316 Vernon Street Office Building—Roseville, CA
- Eskaton Village 4C—Roseville, CA
- Fire Station Site Grading and Class 1 Trail Project—Roseville, CA
- Hilltop Circle Sidewalk Testing—Roseville, CA
- HP Master Plan—Roseville, CA
- Mahany Park Recycled Water Retrofit Project—Roseville, CA
- Roseville Residential Resurfacing 2015—Roseville, CA
- Whitney Ranch Parkway/Highway 65 Interchange Project—Rocklin, CA
- 2370 Ackley Place Consultation—Woodland, CA
- 99 Ranch Market Consultation—Folsom, CA
- Anton Arcade Apartments—Sacramento, CA
- Chambers Drive Sewer and Nicolaus Rd PS FM Improvements Project—Lincoln, CA
- Chestnut Street Corridor Improvement Project—Fort Bragg, CA
- Curtis Park Village—Sacramento, CA
- Parklane Residential Development—Dixon, CA
- Phase I Reclamation Project—Lincoln, CA
- Sacramento Railyards Central Shops—Sacramento, CA
- Sorrento Village 3 and 7 Due Diligence Review—Lincoln, CA
- TRLIA Evaluation of Dredge Tailing Mounds Within the Yuba Goldfields—Marysville, CA
- Twelve Bridges Village 9, Unit 1 Selected Lots—Lincoln, CA
- Twelve Bridges Village 9—Lincoln, CA
- ULDC Analysis and Identification of Deficiencies—Lathrop, CA
- Village Parkway Extension North—West Sacramento, CA
- Walerga Road Tank and Booster Station—Antelope, CA
- Woodland Water Transmission Main East (CIP 11-14) and West (CIP 12-05)—Woodland, CA



JONATHAN C. BOLAND, GE, QSD

Associate Engineer

Mr. Boland has more than 15 years of experience working directly with public agencies, developers, and land owners, providing geotechnical consulting, project management, and quality assurance materials testing for residential communities, hospitals, schools, water storage, levees and other public works projects throughout northern California and western Nevada.

Mr. Boland has extensive experience with managing and coordinating field testing operations during mass grading activities, underground utility construction, and asphalt concrete paving in accordance with local and state specifications. He has performed analysis of levee embankments for seepage and stability and has prepared design recommendations for deep pile foundation systems including vertical pile capacity, lateral pile deflection analysis, consideration for pile groups, and long term settlement potential.

EDUCATION

MS, Civil Engineering, Geotechnical Engineering, University of California at Davis, 2001

BS, Civil Engineering, California Polytechnic University, San Luis Obispo, 1999

EXPERIENCE

Years with ENGEO: 11

Years with Other Firms: 4

REGISTRATIONS & CERTIFICATIONS

Geotechnical Engineer, CA, 2763

Professional Engineer, CA, 65916

Professional Engineer, NV, 018031

CASQA QSD Certified, CA, 22595

SPECIALIZATIONS

- Compressible Soils
- Construction Observation
- Deep Foundations
- Earth Retaining Structures
- Foundation Design
- Hillside Grading
- Landslide Investigations and Repairs
- Levee Analyses
- Liquefaction Analyses
- Pavement Evaluation and Design
- Port and Harbor Facilities
- Seepage Evaluation
- Subgrade Stabilization

Select Project Experience

2015 Residential Resurfacing Project—Roseville, CA

Project Manager. Mr. Boland provided geotechnical consulting, coordinated field testing, and reviewed field and laboratory data. The residential resurfacing project includes quality assurance field testing of chip seal, slurry seal and fog seal aggregates and asphalt emulsions on multiple streets in the West Roseville area. Project challenges included rapid turn around for emulsion and liquid asphalt laboratory testing as detailed in the project specifications.

Roseville Comprehensive High School #6—Roseville, CA

Project Manager. Mr. Boland provided geotechnical engineering and reviewed field and laboratory data for the geotechnical and geohazard report. His work included subsurface investigation, field infiltration testing, and development of geotechnical recommendations, including foundations, retaining walls, earthwork, utility trench backfill, and pavements. The Roseville Comprehensive High School #6 is located on approximately 53 acres in the Westpark area of Roseville. Improvements include five, three-story classroom buildings, office facilities, administration buildings, a gymnasium/multi-purpose room, baseball fields, soccer fields,

a depressed football field, underground utilities, exterior concrete flatwork and asphalt concrete parking areas. The footprint of the classroom buildings and gymnasium are approximately 10,000 and 55,000 square feet, respectively. Earthwork for these improvements includes cuts extending to an approximate depth of 14 feet and fills up to approximately 11 feet in thickness. The project design considers draining the majority of the roof areas into drywells to leach stormwater into the subsurface soil.

Project challenges included detailed seismic and geologic hazards review as outlined in the California Geological Survey Note 48 checklist. Additionally, the proposed grading included a depressed football field and the project team was concerned about subsurface lateral water migration from a nearby tributary to Pleasant Grove Creek.

Pleasant Grove Highway 65 Interchange—Roseville, CA

Group Leader. Mr. Boland provided oversight and technical support for field and materials testing. Project challenges included working on an active freeway overpass and within the Caltrans right-of-way. The project consists of the widening of the existing Highway 65 overpass to provide three through lanes of traffic in each direction, construction of a new southbound loop on-ramp and widening and extension of the northbound Highway 65 off-ramp. The widening and related work is within the State right-of-way and includes oversight by Caltrans District 3.

Sutter Roseville Patient Tower GEX and GeoHazard—Roseville, CA

Project Manager. Mr. Boland managed our construction quality control services. The project consists of a four-story hospital tower of approximately 88,000 gross square feet (approximately 22,000 square foot building footprint) with a partial basement of approximately 4,000 to 5,000 square feet. The steel-frame tower is supported on spread footings with a slab-on-grade bottom floor. The project was subject to and received approval from the California Division of State Architects.

Eskaton Village Residential Development—Roseville, CA

Assistant Project Manager. Mr. Boland was assistant project manager for the project and provided geotechnical design recommendations as well as oversight during earthwork and underground utility construction. Project challenges included grading during the winter season, very wet soil conditions, preservation of heritage oaks, and sheet grading adjacent to an existing creek. The project includes over 300 one and two story residential units within a master planned, senior community. Development includes a detention basin, underground utilities, asphalt concrete paved streets, and an arch culvert bridge.

Galleria at Roseville Expansion—Roseville, CA

Assistant Project Manager. Mr. Boland provided consultation for the project geotechnical report including foundation design recommendations and earthwork construction specifications. The Westfield Galleria mall expansion includes 230,000 square feet of new retail space, along with two and a five-story parking garages, both of which add over 2,000 additional parking spaces.



PAUL J. COTTINGHAM, CEG
Senior Engineering Geologist

Mr. Cottingham, conducts field investigations, develops recommendations, completes geotechnical and geologic reports, and manages earthwork construction projects. His expertise includes project management of public and private sector projects, including infrastructure.

Paul's management of earthwork construction projects has included diligent oversight of field staff providing testing and observation for monitoring earthwork construction. Paul is adept at developing engineering solutions for problems that arise during construction as well as preparing construction-related documents.

EDUCATION

BS, Geology, Humboldt State University, 2002

EXPERIENCE

Years with ENGEO: 13
Years with Other Firms: 0

REGISTRATIONS & CERTIFICATIONS

Certified Engineering Geologist, CA, 2505
Professional Geologist, CA, 8320
Nuclear Gauge Operator, CA, 14677
Post Disaster Safety Assessment Program (SAP), CA, SAP62681

SPECIALIZATIONS

- Geologic Hazard Evaluation
- Geomorphology
- Geotechnical/Geologic Instrumentation
- Grading Project Management
- Landslide Investigations and Repairs
- Levee Analyses
- Seepage Evaluation
- Subgrade Stabilization

Select Project Experience

Harry Crabb Park—Roseville, CA

Project Manager. Mr. Cottingham was responsible for providing engineering support, overseeing field staff, reporting, and budget tracking as a part of our on-call geotechnical services. The park project included construction of sports fields, playgrounds, shade structures, flatwork, and utilities. ENGEO provided rapid turnaround on-call laboratory and field testing.

Phase I Reclamation Project, Lincoln—Lincoln, CA

Project Manager. Mr. Cottingham was responsible for overseeing field staff, reporting, and budget tracking for testing and special inspection, as a part of our on-call services. The project included construction of reclaimed water pipelines along Joiner Parkway and Moore Road, reclaimed water pump station concrete slab and associated patch paving.

Chambers Dr Sewer and Nicolaus Rd PS FM Improvements Project—Lincoln, CA

Project Manager. Mr. Cottingham was responsible for overseeing field staff, reporting, and budget tracking for testing and special inspection, as a part of our on-call services. The project included the extension of a sanitary sewer force main along Waverly Drive, construction of a 30-inch diameter sanitary sewer pipeline along Chambers Drive to Moore Road.

Placer County Water Agency On-Call Inspection and Material Testing—Rocklin, CA

Project Manager. Mr. Cottingham provided project management and technical oversight for on-call construction services and geotechnical design for Placer County Water Agency. Construction services consisted of soil compaction testing, special inspections, and laboratory testing. The projects have included a wide variety of water infrastructure improvements including: canals, pipelines, water treatment plants, tanks, roadway improvements, and slope protection. Project challenges have included being able to respond rapidly to field service requests often with less than 24 hour notice. Also, the project required quick review project plans, develop scope, and produce a not-to-exceed budget for upcoming projects.

Northeast Area Bicycle Lane Connection—Galt, CA

Project Manager. Mr. Cottingham performed the subsurface exploration, developed recommendations, and prepared the report. The project consists of road widening along East Stockton Boulevard to include approximately 2,500 lineal feet of paved bicycle lane. The roadway will be widened in the improvement areas by approximately 16 feet and require 2 to 4 foot fills.

Eskaton Village—Roseville, CA

Project Geologist. Mr. Cottingham was responsible for performing site exploration, overseeing field staff during construction, developing field recommendations, and budget tracking. The project involved selective mass grading, underground improvements, and roadway improvements. Challenges during grading included keeping expansive clay out of the upper foot of the building pads and mitigating unstable sensitive silts. The project includes over 300 one and two story residential units within a master planned, senior community. Development includes a detention basin, underground utilities, asphalt concrete paved streets, and an arch culvert bridge.

Skatetown Ice Arena Parking Expansion—Roseville, CA

Project Manager. Mr. Cottingham performed the site reconnaissance, developed recommendations, prepared the geotechnical report update, and managed testing and observation for earthwork construction. The project consists of a parking lot expansion that includes a 20-foot-deep fill, storm drain, and outfall structure. Grading included a cleanout of an approximately 20-foot-deep, heavily vegetated swale.

Fiddymont Road Sinkhole—Roseville, CA

Project Manager. Mr. Cottingham performed a geotechnical exploration for several sinkholes that developed in a roadway median above a 36-inch diameter, 26 foot deep sewer line. The settlement was up to 18 inches resulting in tilted trees and voids beneath the roadway. The purpose of our investigation was to characterize the subsurface conditions in the distressed area, evaluate potential causes, and develop geotechnical recommendations for repair.

Field characterization included drilling borings and utilizing geophysical techniques including ground penetrating radar. We concluded that the settlement was likely due to poor soil compaction within the trench zone of the deep sewer. Compaction grouting was chosen to stabilize the soil. ENGEO assisted in developing the plans and specifications for the repair and monitored field operations during the compaction grouting operations.



NICHOLAS S. BROUSSARD, PE
Project Engineer

EDUCATION

MS, Geotechnical Engineering,
University of California Davis, 2012
BS, Civil Engineering, California
Polytechnic State University - San
Luis Obispo, 2010

EXPERIENCE

Years with ENGEO: 5
Years with Other Firms: 0

**REGISTRATIONS &
CERTIFICATIONS**

Professional Engineer, CA, 81322
24 Hour HAZWOPER Training, CA,
120707257469

SPECIALIZATIONS

- Compressible Soils
- Foundation Design
- Geotechnical/Geologic Instrumentation
- Grading Project Management
- Levee Analyses
- Liquefaction Analyses
- Pavement Evaluation and Design
- Slope Stability

PUBLICATIONS

Broussard, N., 2011, "Estimating Rigidity Index Based on Cone Penetrometer Measurements", (Masters Thesis), UC Davis, California.

Mr. Broussard joined ENGEO in 2011 and provides geotechnical consultation, project management and construction management services for public facilities and infrastructure, levee projects, transportation projects, residential and commercial developments. He performs geotechnical explorations, coordinates closely with public agencies and prepares geotechnical reports. He is experienced with analyses for slope stability, liquefaction, settlement, seepage, pavement and foundations for projects in and around Sacramento and the Bay Area and has managed numerous earthwork and special inspection projects.

Select Project Experience

City of Roseville Parks—Roseville, CA

Project Manager. Mr. Broussard managed the projects by coordinating closely with the City of Roseville Parks Department. He was responsible for attending pre-construction meetings, reviewing and organizing all test results and daily field reports and notifying the City project manager of any items that required attention. The Park sites have included mass grading, construction of underground utilities, sidewalks, basketball courts, softball fields, shade structures, pedestrian bridges and masonry restrooms. Special inspections have included welding, concrete sampling, reinforcing steel inspections, masonry grout placement observation and sampling, and drilled pier observation. Projects have included:

- Park Site W-53
- Park Site NC55B
- Mahany Park Shade Structure
- Royer Park Tennis Court Renovation
- Diamond Oaks Golf Course Restroom Replacement
- George GOTO Park Shade Structure
- Mahany Park Recycled Water Retrofit Project
- Hilltop Circle Sidewalk and Parking Lot Improvements

316 Vernon Street Office Building—Roseville, CA

Project Manager. Mr. Broussard coordinated the field exploration, prepared the geotechnical report, managed the geotechnical testing and observation services and coordinated closely with the contractor and the City. To accommodate the

large structural loads and eliminate the need for a deep foundation system, Mr. Broussard assisted with site specific recommendations to compact deeper fills to a higher relative compaction, deepen the footings, and over excavate the footings to or close within the native cemented soil. The project includes the demolition of the former City Hall building and adjacent parking lot to construct a four story office building. The pre-cast concrete office building is intended for use by Sierra College and the City of Roseville. Project challenges included undocumented fills associated with former site use, discovery of a below-grade structure and underground storage tank, discovery of contaminated soil during construction with associated delineation and coordination with the Fire department, demolition of existing structures, and large structural loads.

Village Parkway Extension North—West Sacramento, CA

Project Manager. Mr. Broussard attended meetings, reviewed daily field reports and laboratory test results, assisted in identifying items of non-conformance, and submitted documentation to the resident engineer and City of West Sacramento. The roughly \$5 million dollar, federally funded, project consists of the extension of Village Parkway from the current terminus at Stonegate Drive to the Mike McGowan Bridge over the Yolo Barge Canal within the City of West Sacramento.

City of Livermore On-Call Services—Livermore, CA

Staff Engineer. Mr. Broussard performed quality assurance testing and observation for numerous projects and assisted the project manager with document preparation, review and submittal. On-call geotechnical engineering and construction quality control services for various capital improvement projects include roadway widening and reconstruction, underground construction, improvements at the water treatment plant, and city improvements at residential tracts.

Upper Northwest Interceptor Sections 1&2 Ground Improvement Project, Phase 2—Natomas, CA

Assistant Project Manager. Mr. Broussard assisted with project management and coordinated and performed hundreds of CPT probes during the initial three month geotechnical exploration phase of the project. Following the initial investigation, Mr. Broussard managed all field work associated with potholing and performing a supplemental exploration of nearly 50 CPT probes. The project included field exploration using Cone Penetration Test (CPT) methods to assess sinkhole susceptible soils or voids located along the Upper Northwest Interceptor Tunnel 1&2.

Stockton Courthouse—Stockton, CA

Project Manager. Mr. Broussard became project manager for the project in 2013. He analyzed the drilled piers for final design documents, observed and interpreted load test results of the drilled displacement piles proposed by the contractor, oversaw and compiled the installation records for the piles, reviewed and submitted site observation reports and test results to the inspector of record and design team, and attended meetings throughout the construction process. The project includes construction of a new 14 story courthouse building with a footprint covering approximately 80 percent of the 55,000-square-foot property. The building will have a 2-level basement, underground utilities, paved entry and exit drives, below grade retaining walls, and exterior concrete flatwork and landscaping areas.



ABRAM A. MAGEL, PE
Project Engineer

Mr. Magel joined ENGEO in 2013. He coordinates and performs field investigations, engineering analysis, assists in providing design recommendations, and communicates with various project team members in providing geotechnical services. He specializes in computer modeling, compressible soils, instrumentation and slope stability analyses.

Select Project Experience

316 Vernon Street Office Building—Roseville, CA

Staff Engineer. Mr. Magel coordinated field work for the geotechnical investigation of the site. He logged soil borings and provided technical support for analysis and report preparation. The project includes the demolition of the former City Hall building and adjacent parking lot to construct a four story office building. The pre-cast concrete office building is intended for use by Sierra College and the City of Roseville. Project challenges included undocumented fills associated with former site use, discovery of a below-grade structure and underground storage tank, discovery of contaminated soil during construction with associated delineation and coordination with the Fire department, demolition of existing structures, and large structural loads.

Gold Tailings Court Sinkhole—Rancho Cordova, CA

Staff Engineer. Mr. Magel coordinated the field work to investigate the cause of a sinkhole. He logged soil borings at the site and reviewed historical aerial photographs. Mr. Magel worked with the City and client to develop potential mitigation measures. The 30- to 50-foot-diameter sinkhole developed at the end of a cul-de-sac. The settlement was up to 1-1/2 feet and caused damage to pavement and sidewalks, as well as causing water to pond after rain events.

Sacramento Commons—Sacramento, CA

Project Engineer. Mr. Magel was one of the field engineers in charge of supervising the subsurface investigation which included deep borings and CPTs. The approximately 11.17-acre site will consist of Parcels 1, 2A, 2B, 3, 4A and 4B. At this time, the proposed improvements will likely consist of various high-rise residential, mid-rise residential, condominium, hotel, parking and retail structures including the construction of three 7-story mid-rise, one 22-story high-

EDUCATION

MS, Geotechnical Engineering,
University of California, Berkeley,
2013

BS, Civil and Environmental
Engineering, University of California,
Berkeley, 2012

BA, Environmental Studies,
University of California, Santa Cruz,
2012

EXPERIENCE

Years with ENGEO: 3
Years with Other Firms: 0

**REGISTRATIONS &
CERTIFICATIONS**

Professional Engineer, CA, 84352
24 Hour HAZWOPER Training, CA,
130916286961

SPECIALIZATIONS

- Compressible Soils
- Deep Foundations
- Flood Control Structures
- Foundation Design
- Geotechnical/Geologic Instrumentation
- Groundwater Modeling
- Levee Analyses
- Liquefaction Analyses
- Seepage Evaluation
- Slope Stability
- Water Resources
- Water Wells/Hydrogeology

rise and one 24-story high-rise structures. Long- and short-span parking structures up to five stories are also considered. The Tentative Subdivision Map indicates the proposed land use will result in approximately 1,100 to 1,400 apartment homes, up to 300 condominiums, 200 to 400 hotel rooms, 35,000 to 63,000 square feet of retail space, and 37,000 to 59,000 square feet of live/work space. One structure may have an elevator shaft that would extend one level below the ground surface, with the other structures at grade. Improvements will also include paved streets, parking, drive lanes, flatwork, and underground utilities. The site is currently occupied primarily by multi-family apartments that are planned to be demolished and the 15-story Capital Towers building that is to remain.

Sorrento- Moore Road Sewer and Road Construction—Lincoln, CA

Staff Engineer. Mr. Magel provided quality control oversight during placement of soil-cement slurry. The project involved the installation of approximately 3,100 lineal feet of 36-inch diameter sewer line by open cut trench south of Moore Road and bore-and-jack methods beneath Moore Road. The sewer line was approximately 20 to 23 feet deep. Sewer line backfill consisted of soil-cement slurry around the pipe and to approximately 7 feet above the top of pipe in the vertically-cut portion of the trench. The soil-cement slurry was produced on-site by mixing cement and water with the trench spoils. The upper portion of the trench above the slurry placement was sloped back and backfilled with compacted soil. The project also included reconstructing a portion of Moore Road near the Sorrento Parkway intersection. The Moore Road construction included minor cuts and fills, shallow utility installation, cement treatment of the subgrade, aggregate base placement, curb gutter and sidewalk placement, and hot mix asphalt (HMA) paving.

Upper Northwest Interceptor Sections 1&2 Ground Improvement Project, Phase 2—Natomas, CA

Staff Engineer. Mr. Magel coordinated multiple CPT crews, including a track-mounted limited-access rig. He processed and evaluated the CPT data in real-time on a laptop and sent the information to the project manager and client. The project included field exploration using Cone Penetration Test (CPT) methods to assess sinkhole susceptible soils or voids located along the Upper Northwest Interceptor Tunnel 1&2. The project also included potholing services. The over 19,000-foot long, 12-foot diameter tunnel extends from Bridgecross Drive to the Natomas Pump Station near Interstate 80 in Natomas. The tunnel, which lies 15 to 30 feet deep below the ground surface, parallels and crosses under a drainage canal, parallels an RD 1000 project levee, and crosses under multiple roadways.

Stockton Courthouse—Stockton, CA

Staff Engineer. Mr. Magel provided quality control oversight during pile installation which included logging individual piles and writing daily field reports. The project includes construction of a new 14 story courthouse building with a footprint covering approximately 80 percent of the 55,000-square-foot property. The building will have a 2-level basement, underground utilities, paved entry and exit drives, below grade retaining walls, and exterior concrete flatwork and landscaping areas.



SHAWN MUNGER, CHG
Principal Geologist

Since joining ENGEO in 1985, Mr. Munger has been managing groundwater supply evaluations, hydrogeologic studies, chemical assessments, Phase I and II Site Assessment projects, UST site investigations, risk based corrective action (RBCA), VOC remediation, and agricultural impact evaluations. He serves as Principal-in-Charge or Project Manager for environmental and hazardous materials projects involving groundwater hydrology, contaminant fate and transport, and remediation. He is Principal-in-Charge of our on-call contract with DTSC and the environmental components of our on-call contracts with the City of Sacramento and the County of Sacramento.

EDUCATION

BS, Geology, U.C. Davis, 1985

EXPERIENCE

Years with ENGEO: 31
Years with Other Firms: 0

**REGISTRATIONS &
CERTIFICATIONS**

Certified Hydrogeologist, CA, 413
Professional Geologist, CA, 5810
Certified Environmental Manager,
NV, 1332
40 Hour HAZWOPER Training, CA,
100830513934

SPECIALIZATIONS

- Environmental Assessments and Remediation
- Environmental Restoration
- Water Quality Studies
- Water Wells/Hydrogeology

Select Project Experience

Riverside Avenue Property—Roseville, CA

Principal in Charge. Mr. Munger provided principal oversight of a Phase II Environmental Site Assessments and site characterization. The project site consists of an active auto sales and service facility. The historic use of the facility for industrial purposes resulted in soil and groundwater impacts beneath the site. The City of Roseville revised its plans for acquiring and redeveloping the site due to the identified soil and groundwater impacts.

Riverside Streetscape Project—Roseville, CA

Project Manager. Mr. Munger conducted historical research and prepared a contingency plan for potential underground storage tanks. The Project area is approximately 0.5 miles in length and extends from Darling Avenue on the south to Vernon Street and Douglas Boulevard to the north (Figure 1). Construction will include repair and replacement of sidewalks, improved street lighting, signage and street furniture.

Gold Rush Ranch and Golf Resort—Sutter Creek, CA

Principal in Charge. Mr. Munger provided principal oversight during the preparation of a Preliminary Endangerment Report, including soil, groundwater and surface water sampling. The project site consists of 945 acres of undeveloped land located near the City of Sutter Creek, California. The proposed development plan for the site involves the Gold Rush Ranch and Golf Resort, which includes an 18-hole championship golf course, 1,334 new homes, a commercial center, and open space. The client has entered into a VCA with the Department of Toxic Substances Control (DTSC) to address historic mine

tailings at the site. A PEA was prepared to evaluate human health risks associated with elevated arsenic in tailings, soil, and surface water at the site. The PEA was approved by DTSC in 2009. Based on the findings of the PEA, a removal action workplan (RAW) will be prepared to address the human health risks associated with the arsenic impacts.

Southchase Property—West Sacramento, CA

Project Manager. Mr. Munger provided environmental consultation regarding soil contamination and site characterization work. The property is a former farm headquarters with storage structures and orchards.

Value Marine Facility—Sacramento, CA

Principal in Charge. Mr. Munger provided principal oversight and quality control services. The project site consists of a former gasoline service station and is in the State Leaking Underground Storage Tank (LUST) program, with lead agency oversight provided by the Sacramento County Environmental Health Department. Soil and groundwater impacts resulted from four former underground storage tanks. Remediation of vadose zone soil impacts (source) is currently being performed with a soil vapor extraction (SVE) system.

620 North Ninth Street - Remedial Action Plan—San Jose, CA

Principal in Charge. Mr. Munger provided oversight of soil, groundwater and soil gas characterizations, risk evaluations and Remedial Action Plan preparation. Mr. Munger also closely interacted with RWQCB staff to achieve approval for residential development. The property is a former fruit packing plant and food preparation facility. The proposed development consists of a single-family residential subdivision.

6953 Jarvis Avenue, Newark, Soil and GW Assessment—Newark, CA

Principal in Charge. Mr. Munger provided data analysis, quality control and regulatory agency consultation. The project consists of an undeveloped parcel zoned for industrial use.

Arroyo Crossing, 470-AC - Geotechnical and Environmental Services—Livermore, CA

Principal in Charge. Mr. Munger provided oversight, data analysis and regulatory consultation while ENGEO provided geotechnical and environmental engineering services for this 34-acre site. This former corporation yard and quarry site was developed into a single-family residential subdivision.

Idaho-Maryland Mine—Grass Valley, CA

Principal in Charge. Mr. Munger provided principal oversight, data review and quality control. The evaluation included sampling of the waste rock and laboratory analysis of cyanide, metals, and acid generating/neutralization potential. The data will be used to compile the WDR application that will be submitted to the CRWQCB. The WDR will provide requirements for managing mine waste generated during the re-opening of the mine.

TAB D: PROJECT UNDERSTANDING

We consider ourselves an extension of the City staff
and are available to handle even the smallest tasks.

Having worked with a variety of City personnel over the years, we appreciate the wide range of challenges that you face in evaluating, expanding, and maintaining the City's valuable infrastructure. From developing geotechnical recommendations for a cast-in-place foundation for the City's annual Christmas Tree to rapid-turnaround materials testing for City residential street resurfacing, we are willing and able to serve you continuously.

With the economy improving and the pace of private development increasing, we understand the City of Roseville will continue to need support for materials testing, inspection, and consulting services. For this reason, we are committed to:

- Perform services for any of the City departments including Public Works, Environmental Utilities, Parks and Recreation, Central Services, and Roseville Electric.
- Provide services in accordance with City Design/Construction Standards, and State Standard Specifications.
- Perform testing on a "test by test basis" or by an entire project.
- Maintain necessary personnel and lab certifications for each test performed prior to testing.
- Store material specimens for a minimum of 3 months following testing.
- Provide daily sampling during roadway resurfacing projects with laboratory testing every other day or weekly; testing results may be required as soon as 24 hours after testing.
- No billing minimums. You pay only for the actual time we are involved with the project. Many other firms bill in 2-, 4- or 8-hour increments regardless of the actual time spent on a project.
- Performing multiple inspections with each site visit, whenever practical.
- Compensation on a time-and-expense basis.

We understand that the City cannot assign any particular amount of work or number of projects to ENGEO, and that the City reserves the right to request proposals from other consultants during the period of this agreement.

Rapid Response

We all have smart phones, access to phone, email and texts during and after normal business hours. We consider this standard operating procedure in serving you. Our field representatives are equipped with laptop computers and printers to email or print reports directly from the field, as needed.

The close proximity of our office and laboratory allows us to respond rapidly to the City's project needs in the field and in the laboratory. **ENGEO can easily respond within several hours of a request; however, we have been known to respond to City of Roseville On-call projects within as little as 30 minutes.**

When necessary, laboratory test results will be reported as soon as possible, constrained only by the time required for the Caltrans and ASTM Test Methods. We have demonstrated that we can provide test results with a turn-around time that will accommodate the construction schedule.

Additional Services

We understand the current scope includes materials testing. However, being a full-service engineering firm, we can provide the following to assist the City:

Geotechnical Engineering	Geotechnical engineering for design of any type of new public facility.
Environmental Engineering	Environmental services including: Phase I/II Environmental Site Assessment Reports (ESA), soil and groundwater remediation, underground tank removal, SWPPP preparation and monitoring, groundwater monitoring, well installation, and regulatory consultation. We have included a resume for our environmental principal.
Stormwater	Post-construction Stormwater Management consulting, including assistance with permitting requirements, if needed.

TAB E: PROJECT PLAN

Project Management Approach

We believe in giving the City flexibility on how to utilize ENGEO's services in a timely and cost-effective manner. We recognize that a single point of contact can provide consistency in service and delivery but can also restrict your ability to work directly with any of our staff you wish to engage. For this reason, we will set up a single Client Manager to oversee the ongoing on-call services and maintain consistency in invoicing, schedules, and quality. However, we encourage the City personnel to contact any one of our staff for arranging services or requesting tests. As we develop project deliverables, we will maintain high quality and consistency through appropriate review by senior staff.

Utilizing our Vision accounting software, we will set up the City on-call with a unique job number that will allow us to track total invoiced amounts and work within the allotted 2-year budget. We will assign our agreed-upon rate schedule and lab fees for each project to maintain consistency on all invoices. Invoices are reviewed by the Client Manager for general on-call assignments but may instead be reviewed by an assigned Project Manager for large projects or where existing relationships are preferred. We generally have one project assistant assigned to generate all our City of Roseville invoices to maintain additional consistency in our regular invoicing.

Quality Assurance

We recognize that properly certified personnel and clear documentation of testing on your public projects is critical in preserving public safety and complying with applicable local, State and Federal Codes. We maintain internal quality through time-tested business systems, ongoing personnel training, and continually expanding our knowledge of applicable codes and building standards.

Samples delivered to our laboratories are logged, tested, and the results are submitted to the laboratory manager for review before being submitted to the project engineer for final approval. Test results are produced by the use of various computer programs that process the test data collected in the lab. The test data is recorded on written form and then entered into the computer programs for processing.

Laboratory equipment is calibrated annually using an independent outside calibration service. We participate in quality assurance programs such as Caltrans, AMRL and CCRL for laboratory control and quality assurance. We also participate in laboratory sample proficiency programs by AMRL, CCRL, and Caltrans. Daily field reports, laboratory results and all final reports are reviewed by appropriate senior professionals.

We are aware of the applicable testing and sampling codes and procedures and follow them when performing materials testing services. We have ICC and ACI certified field representatives who sample concrete. We have AWS/CWI certified field representatives who inspect and test welds non-destructively in the field and in the shop. We follow ASTM and Caltrans standards when sampling and performing our laboratory testing.

EXHIBIT "B"



Expect Excellence

GEOTECHNICAL
ENVIRONMENTAL
WATER RESOURCES
CONSTRUCTION SERVICES

**CITY OF ROSEVILLE ON-CALL 2016
SUMMARY OF LABORATORY FEES**
Effective March 2016

Our Laboratories are accredited by AASHTO, CCRL, Caltrans, and the US Army Corps of Engineers

Lab Code	Test Specification	Unit Pricing
SOIL AND ROCK		
880	Caltrans Relative Compaction, CT216	\$270
910	Clay Lumps and Friable Particles, ASTM C142	\$100
913	Cleanness Value, CT 227 each	\$150
965	Collapse Test, ASTM D5333-03	\$250
831B	Compaction Point, AASHTO T272	\$310
831	Compaction, ASTM D1557 (A-C)	\$310
831C	Compaction, ASTM-1557 (A-D) or ASTM-D698 with Correction	\$350
831V	Compaction, ASTM D4253, Vibratory Table	\$350
822	Consolidation – Incremental Loading ASTM D2435, Method A	\$475
822A	Consolidation – Incremental Loading ASTM D2435, Method B	\$400
823	Consolidation, ASTM D2435 Unload – Reload Cycle	\$40
841	Consolidation – CRS, ASTM D4186	\$510
845	Direct Shear – CD, Residual (3-points, 3-cycles per point) ASTM D3080 Modified	\$1,260
820A	Direct Shear – CD, Slow Additional Cycles (each) ASTM D3080	\$110
820B	Direct Shear – CD, (2-points) ASTM D3080	\$420
820C	Direct Shear – CD, (3-points) ASTM D3080	\$630
820D	Direct Shear – CD, (4-points) ASTM D3080	\$840
890	Durability Index, CT229	\$210
832	Expansion Index, ASTM D4829	\$270
832A	Expansion Index, ASTM D4829 - Lime Treated in Lab	\$375
963	Fine Aggregate Angularity Percentage, CT 234, AASHTO T304 – Method A	\$150 Based on prior completion of Sieve Analysis
899	Laboratory Miniature Vane Shear, ASTM D4648	\$75
897	Lime-Treated R-Value, CT301	\$500
816	Moisture Content & Unit Weight, ASTM D7263	\$55
814	Moisture Only, ASTM D2216, CT 226	\$30
815	Moisture Only, ASTM D4643, CT 370 (By Microwave oven)	\$100
959	Organic Content of Soil ASTM D2974	\$125
909	Organic Impurities, ASTM C40	\$75
912	Percent Crushed Particles, CT205	\$150 Based on prior completion of Sieve Analysis
911	Percent Flat or Elongated Particles, ASTM D4791, CT 235	\$150 Based on prior

Lab Code	Test Specification	Unit Pricing
		completion of Sieve Analysis
898	Soil pH, percent Lime for Stabilization, ASTM D6276 (Eades and Grimm)	\$225
804	Permeability, Falling Head or Constant Head, ASTM D5084, D2434	\$400
887	Soil pH, ASTM D4972, CT 643	\$75
819	Plasticity Index, Dry Method - ASTM D4318	\$190
819A	Plasticity Index, Wet Method - ASTM D4318 (ASTM Default method)	\$225
851	Rock Core Unconfined Compressive Strength, ASTM D7012	\$250
829	R-Value, ASTM 2844, CT301	\$375
828	Sand Equivalent, CT 217, ASTM D2419	\$175
826A	Dry Sieve, ASTM D1140, C117	\$90
826B	#200 Wash, ASTM D1140, C117	\$85
826C	Sieve & #200 Wash, ASTM D422, C136, CT202	\$150
826D	Sieve & Hydrometer, ASTM D422	\$250
853	Special Testing/Sample Description (ASTM D2487)	\$120
825	Specific Gravity, ASTM C127 or C128 or D854	\$125
866	Specimen Remolding and/or Lab Mixing (per test)	\$110
907	Sulfate Soundness, CT 214, ASTM C88	\$185/ Fraction
811	Sulfate Testing in Soils CT417	\$70
811A	Sulfate Testing in Soils ASTM C1580	\$180
850	Swell Test B, ASTM D4546	\$180
835	Isotropic Triaxial Compression – CU, Single Specimen, Multistage Test ASTM D4767 - Modified	\$400/Stage
834	Isotropic Triaxial Compression – CU (1 point) ASTM D4767	\$475
834A	Isotropic Triaxial Compression – CU (2- points) ASTM D4767, USACE	\$950
834B	Isotropic Triaxial Compression – CU (3- points) ASTM D4767, USACE	\$1,425
834C	Isotropic Triaxial Compression – CU (4- points) ASTM D4767, USACE	\$1,900
833	Isotropic Triaxial Compression – UU (per point) ASTM D2850, USACE	\$175
833A	Triaxial UU back pressure saturation per point	\$100
818	Unconfined Compression - Soils, ASTM D2166	\$110
818A	Unconfined Compression, Lime/Cement-Treated Soil ASTM D1633	\$325 First point
818B	Unconfined Compression, Lime/Cement-Treated Soil CTM 373	\$900 First point
818C	Unconfined Compression, Lime/Cement -Treated Soil, Additional points	\$50
849	Swell Test A, ASTM D4546	\$275
CONCRETE		
922	Absorption, ASTM C642	\$450
901	Compression Test, Cores, ASTM C42	\$65
932	Compression Test, per 6" x 12" cylinder, ASTM C39	\$36

Lab Code	Test Specification	Unit Pricing
933	Compression Test, per 4" x 8" cylinder ASTM C39	\$30
927	Compression, Shotcrete Panel, (5 Cores/Panel) ASTM C42	\$350
934	Compressive Strength of Lightweight Insulating Concrete (ASTM C495)	\$120
902	Core Trimming, In Laboratory	\$50
906	Laboratory Trial Batch, ASTM C192, Including Test Cylinders	\$650
908	Length Change (3 bars, 4 readings, up to 90 days), ASTM C157 modified	\$415
905	Slab Moisture Determination Test Kit	\$30
900	Unit Weight of Lightweight Concrete Cylinders (ASTM C495)	\$45
CONCRETE BLOCK		
916	Compression, ASTM C140	\$80
914	Moisture Content as Received, Absorption ASTM C140	\$80
MASONRY PRISMS		
919	Compression Test, Grouted Prisms, ASTM C1314	\$155
921	Masonry Core Shear Test (CBC Title 24, 2105A.4)	\$90
920	Trimming Grouted Prisms	\$45
MORTAR & GROUT		
925	Compression Test 2" Mortar Cubes, ASTM C109	\$31
924	Compression, Grout Prisms, ASTM C39	\$40
923	Compression, Mortar Cylinder, ASTM C39	\$31
ASPHALTIC CONCRETE		
801	AC Correction Factor, ASTM D6307, CT 382	\$525
802	RAP Aggregate Gradation Correlation Factor, Caltrans LP-9	\$2,850
807	AC Maximum Density (Avg. of 5 Briquettes) D1188, CT308	\$525
807A	AC Maximum Density (Avg. of 5 Briquettes) D1188, CT 308 (S-Value is performed prior to LTMD)	\$413
809	AC Maximum Theoretical Unit Weight ASTM D2041, CT 309 (Rice Specific Gravity)	\$250
946	Asphalt Core Density (4"-6" Core), ASTM D1188, CT308	\$75
853C	Extraction by Centrifuge ASTM 2172	\$375
853B	Extraction by Ignition Oven, ASTM D6307, CT 382	\$240
853D	Extraction by Reflux Extractor, ASTM D2172 – Method B	\$675
805	Stability Test (Avg. of 3 Briquettes), ASTM D1560, CT 366, (w/o Max. Density test)	\$750
VOLUMETRIC PROPERTIES OF HMA		
966	Absorbed Asphalt Binder CT 367	\$200
960	Air Void Content	\$200
967	Bulk Specific Gravity – Admixture Blend CT 367	\$200
964	Dust Proportions, CT 367, Caltrans LP-4	\$200
968	Effective Asphalt Binder of Volume, CT 367	\$200
969	Effective Binder Content, CT 367	\$200
958	Effective Specific Gravity of Aggregate-Admixture Blend, CT 367	\$200
962	Void Filled With Asphalt CT 367, LP-3	\$200
961	Voids in Mineral Aggregate CT 367, LP-2	\$200

Lab Code	Test Specification	Unit Pricing
HIGH STRENGTH BOLT TESTS		
980	Bolt Proof and Ultimate Load	\$110
981	Nut Proof Load	\$70
982	Hardness (bolts, nuts, washers, each)	\$45
FIREPROOFING		
999	Oven Dry Density, Fireproofing, per sample	\$65

- Prices exclude field collection and transportation to the laboratory.
- Supplemental fees for laboratory preparation of specimens are charged on an hourly basis.
- Test duration implies the amount of time required to perform the test once started. Test start times are dependent on available labor and equipment.
- Testing fees and the test durations listed reflect standard business hours required to perform the test. Samples requiring premium handling will incur additional hourly personnel charges in accordance with the Laboratory Technician Rate presented on our Fee Schedule.
- Sample storage is \$20 per month per cubic yard of storage space.

CITY OF ROSEVILLE ON-CALL 2016 FEE SCHEDULE PROFESSIONAL SERVICES Effective March 2016

President.....	\$295.00 per hour
Principal Engineer/Geologist.....	\$230.00 per hour
Associate Engineer/Geologist.....	\$220.00 per hour
Senior Engineer/Geologist.....	\$195.00 per hour
Project Engineer/Geologist/Manager.....	\$175.00 per hour
Environmental Scientist.....	\$170.00 per hour
Staff Engineer/Geologist.....	\$155.00 per hour
Assistant Engineer.....	\$130.00 per hour
Construction Services Manager.....	\$155.00 per hour
Field Representative (non-prevailing wage).....	\$140.00 per hour**
Field Representative (prevailing wage).....	\$160.00 per hour**
Laboratory Technician.....	\$125.00 per hour
CAD Specialist.....	\$125.00 per hour
Network Administrator.....	\$175.00 per hour
Project Assistant.....	\$90.00 per hour

- * Travel time, pick-up and delivery will be billed based on normal hourly rates, portal to portal.
- * **OVERTIME RATES:** Rates increased by factor of 1.5 for all hours worked in excess of eight (8) Monday through Friday, and the first eight (8) hours worked on Saturday. Rates increased by factor of 2.0 for all hours worked in excess of twelve (12) Monday through Friday, all hours worked in excess of eight (8) on Saturday and all hours worked on Sunday and holidays.
- ** Rate includes field representative, equipment, nuclear gauge, vehicle, mileage, and administrative support.
- ** Rates increased by factor of 1.25 for night shift hours (hours commencing after 4:00 p.m. or before 4:00 a.m.); rates increased by factor of 1.875 (an additional factor of 1.5) for all night shift hours in excess of eight (8).

ADDITIONAL SERVICES OFFERED

In addition to our core services of geotechnical, hydrologic and environmental engineering, including construction-phase testing and observation, ENGEO provides clients with services for establishment and management of Geologic Hazard Abatement Districts (GHAD) and for Entitlement and Permitting Support (EPS). For more information about these services and associated pricing, please contact ENGEO at (925) 866-9000.

OTHER FEES

- Equipment and materials will be charged in addition to the above hourly rates.
- Outside Consultants, Subcontracted Services and Equipment RentalCost plus 20%
- Deposition, Mediation, Arbitration, or Court Appearance (Minimum Charge)\$2,000.00 half day, \$4,000.00 full day

TERMS

Invoices will be submitted at completion of work or at approximately four week intervals and are due and payable upon receipt. Statements will be issued at monthly intervals. Charges not paid within 30 days of invoice date will accrue a late charge at a rate of 1.5 percent per month. In the event it becomes necessary to commence suit to collect amount due, Client agrees to pay attorney's fees and costs, as the court may deem reasonable until amount is paid. Fees will be applicable for one year from the effective date above; thereafter, fees will be adjusted annually. Our fees will be billed using an invoice format produced by a standardized accounting software package. A more customized itemization of charges and backup data will be provided upon Client's requests, but at additional fees. Final reports may be withheld until outstanding invoices are paid in full.

EQUIPMENT AND MATERIALS CHARGES



DESCRIPTION	COST PER UNIT (\$)	UNIT
Air Content Meter	7.00	hour
All-Terrain Vehicle (Mule)	25.00	hour
Bailers (Disposable)	8.00	each
Camera - Video	10.00	hour
Concrete Crack Monitor	20.00	each
Coring Machine	25.00	hour
Electronic Water Level Indicator	5.00	hour
Engineering Analysis Software	20.00	hour
Equipment Transport(er)	100.00	hour
Exploration Equipment (Percussion Penetrometer)	50.00	hour
Floor Flatness/Floor Level Equipment	20.00	hour
Generator	15.00	hour
GPS Hand Held (Garmin)	5.00	hour
GPS Survey Grade (Trimble)	90.00	hour
Hand Auger and Soil Sampler	15.00	hour
Hydraulic Pull-Test Equipment	15.00	hour
Interface Probe	2.00	hour
Magnetic Particle Test Equipment	8.00	hour
Moisture Content Test Equipment	6.00	hour
Multi-Parameter Water Meter	15.00	hour
pH Meter/Turbidity Meter	10.00	hour
Photo Ionization Detector	15.00	hour
R Meter (Pachometer)	15.00	hour
Sampling Tubes	10.00	each
Schmidt Hammer	20.00	hour
Skidmore Wilhelm Bolt Tension Calib.	10.00	hour
Slope Inclinator/Settlement Indicator/VW Readout	50.00	hour
Torque Wrench	12.00	hour
Transfer Pump	3.00	hour
Ultrasonic Equipment	25.00	hour
Vapor Emission Test Kit	25.00	kit
Water Sampling Pumps	20.00	hour
Mileage	0.78	mile
AutoCAD, Terramodel (Hardware & Software)	20.00	hour



COUNCIL COMMUNICATION

CC #: 7629
File #: 0800-06

Title: On-Call Materials Testing - Professional Services Agreement
Contact: Guy Howes 916-774-5430 ghowes@roseville.ca.us

Meeting Date: 5/4/2016
Item #: 7.15.

RECOMMENDATION TO COUNCIL

1. Adopt the attached resolution approving the professional service agreement with Blackburn Consulting to provide On-Call material testing services for development and Capital Improvement Projects; and,
2. Authorize the City Manager to execute the agreement on behalf of the City for a not-to-exceed fee of \$300,000.00.

BACKGROUND

From the late 1990's, Engineering staff has utilized professional service agreements for material testing services to ensure future roadway infrastructure improvement materials supplied and placed within City right-of-way and public utility easements met the requirements of City Standards. Past service contract durations have ranged from one to two year terms with optional provisions for a one-year extension option. In all cases, staff solicited services through a formal Request of Proposal (RFP), selection process where qualified firms were evaluated, ranked, and ultimately contracted with the professional services.

The City's current On-Call material testing contract will expire in June, 2016. In anticipation of this occurrence, Staff is proactively preparing for another busy construction season by soliciting RFP's prior to the expiration of the present contract. The results of the RFP process produced thirteen (13) proposals which were individually evaluated and ranked by a selection committee panel consisting of Staff members. From this process, two firms ranked highest in terms of service, experience, and available staffing, Blackburn Consulting and Engeo. Since both of these firms provide similar services and conduct business locally, the likelihood of them having pre-existing private contracts with City developers was acknowledged. As such, in the best interest of the City and consultant, Staff will pursue two separate agreements with these top ranked firms. Staff will prepare a separate staff report for Engeo under separate cover.

This agreement with Blackburn also provides for the City the ability to select key field personnel for upcoming major CIP's and specific plan construction scheduled for this coming summer, including; Roseville Road Realignment, The 2016 Residential Resurfacing Project, and the Sierra

Vista Specific Plan subject to issuance of pending environmental permitting.

Likewise, major roadway backbone and subdivision improvements within The Westbrook Specific Plan are also scheduled for construction in 2016. These improvements consist of underground utilities, collector streets with traffic signals, and landscaping corridors. Consequently, utilization of material testing consultants will continue to play a vital role in City inspection services to the development community and Capital improvement Program.

FISCAL IMPACT

The actions requested as part of this item have a no impact to the City's General Fund. Development agreements between the City and developers require the owners/developers to reimburse the City for actual costs of providing plan check and inspection services. Similarly, Capital Improvement Projects budgets include funds for construction management services. The entire amount of this agreement is considered "pass-through" in which all construction services would be reimbursed by either owners/developers or allocated CIP budgets with no incurred expenses to the General Fund.

ECONOMIC DEVELOPMENT / JOBS CREATED

Note a national economic development study has shown that for every \$92,000 invested in public projects 1 job is created.

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 (CEQA Guidelines § 15061(b) (3)). The professional services agreement does not include the potential for a significant environmental effect, and therefore is not subject to CEQA.

Respectfully Submitted,

Guy Howes, Senior Engineer

Kevin Payne, Development Services Director



Rob Jensen, City Manager

ATTACHMENTS:

Description

Resolution No. 16-140

RESOLUTION NO. 16-140

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

WHEREAS, a professional services agreement regarding Master Agreement for On-Call Material Testing Services project, by and between the City of Roseville and Blackburn Consulting, 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

Project: Master Agreement for On-Call Material Testing Services

THIS AGREEMENT is made and entered into this ____ day of _____, 20__,
by and between the City of Roseville, a municipal corporation ("CITY"), and Blackburn
Consulting, a California corporation ("CONSULTANT"); and

W I T N E S S E T H:

WHEREAS, CITY desires professional services consisting of on-call material testing
services; and

WHEREAS, CITY desires to have ready, on an on-call basis, a qualified consultant to
provide material testing services under agreements subservient to this Agreement, to be executed
as task agreements; and

WHEREAS, CONSULTANT has prepared a proposal dated February 10, 2016, which
describes the scope of work to be performed by CONSULTANT and the budget for the work, as
applicable; and

WHEREAS, CONSULTANT is qualified and experienced to provide professional
services related to material testing.

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 three hundred thousand dollars (\$300,000.00).

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.

Individual tasks will be awarded on an as-needed basis. CITY may assign work to one or, more than one CONSULTANT from an approved Qualified List. CITY reserves the right to unilaterally assign work to any CONSULTANT(s), as it deems prudent or, if no services are required, no work. CITY makes no specific guarantee of a minimum or maximum number of hours or amount of tasks or services, which shall be required of any single CONSULTANT. In addition, the inclusion of any CONSULTANT on any Qualified List, if so utilized by CITY, shall in no way be considered an exclusive agreement to provide service for CITY.

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, to the extent caused by 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.

<u>COVERAGE</u>	<u>LIMITS OF LIABILITY</u>
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 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 work 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. Access to Records. Duly authorized representatives of CITY shall have right of access during normal business hours to CONSULTANT's files and records relating to the

services performed hereunder, and may review the files and records at appropriate stages during performance of the services.

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, rules, regulations, ordinances and policies as may be applicable to the performance of services under this Agreement. This Agreement may result in individual tasks, services, and/or projects, arising out of this Agreement, but agreed to and executed by and through a separate sub-agreement, or task agreement, that utilizes federal funds. If federal funds are utilized, the task agreement will be subject to 49 CFR, Part 26 entitled "Participation by Disadvantaged Business Enterprises in Department of Transportation Financial Assistance Programs" (DBE). The goal for DBE participation, if so made applicable, will be set forth in each task agreement issued under this Agreement. Participation by DBE CONSULTANT or subconsultants shall be in accordance with information contained in Exhibits incorporated as part of the task agreement. If a DBE subconsultant is unable to perform, CONSULTANT must make a good faith effort to replace him/her with another DBE subconsultant, if the goal is not otherwise met. DBEs and other small businesses, as defined in 49 CFR, Part 26 are encouraged to participate in the performance of task agreements financed in whole or in part with federal funds. CONSULTANT shall not discriminate on the basis of race, color, national origin, or sex in the performance of this Agreement. CONSULTANT shall carry out applicable requirements of 49 CFR, Part 26 in the award and administration of federal-assisted agreements. Failure of CONSULTANT to carry out these requirements is a material breach of this Agreement which may result in the termination of this Agreement or such other remedy as CITY deems appropriate.

8. Prevailing Wage. CONSULTANT shall comply with all applicable prevailing wage laws, including, but not limited to, any and all applicable federal prevailing wage requirements for task agreements that utilize federal funds. Additionally, CONSULTANT shall require its subcontractors, if any, to comply with all applicable prevailing wage laws for services performed under this Agreement. In accordance with Section 1775 of the California Labor Code CONSULTANT shall forfeit as a penalty to CITY fifty dollars (\$50.00), and/or such other penalty amounts required by statute, for each calendar day or portion thereof, for each worker paid less than the prevailing wage rates for such work or craft in which such worker is employed for any work done under this Agreement by CONSULTANT or by any subcontractor under CONSULTANT in violation of the provisions of the California 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 CONSULTANT. Moreover, CITY shall have the right to withhold payment in such amounts as directed by the Department of Industrial Relations or Labor Commissioner. Prevailing wage rates may be obtained from the State Department of Industrial Relations and/or the follow website address: <http://www.dir.ca.gov/DLSR/PWD/Northern.html>. During the performance of this Agreement, CONSULTANT and its subcontractors, if applicable, shall have a continuing legal obligation to maintain current registration with the Department of Industrial Relations pursuant to Labor Code Section 1725.5. CONSULTANT is hereby notified that certain tasks may be subject to compliance monitoring and enforcement by the Department of Industrial Relations.

9. Ability to Perform. CONSULTANT agrees and represents that it has the time, ability and professional expertise to perform the services required under this Agreement, including, DBE requirements. If CONSULTANT is not able to perform the scope of work for a particular task, service, or project, for any reason, including failure to satisfy any applicable federal laws, rules, regulations or policies, CITY may seek other qualified consultants.

10. 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.

11. 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.

12. 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.

13. 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.

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

15. 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.

16. Termination of Agreement. 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.

17. 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.

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

19. 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.

20. 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

Development Service Department
311 Vernon Street
Roseville, CA 95678

CONSULTANT

Thomas Blackburn
Blackburn Consulting
11521 Blocker Drive, Suite 110
Auburn, CA 95603

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

21. Term of Agreement. The term of this Agreement shall be two (2) years. The City Engineer may extend this Agreement an additional one (1) year upon written approval by both parties.

22. 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: _____
ROB JENSEN
City Manager

BLACKBURN CONSULTING, a
California corporation

BY: 
its: Tom Blackburn, President

and

BY: 
Its: Grace Blackburn, Secretary

ATTEST:

BY: _____
SONIA OROZCO
City Clerk

[SIGNATURES CONTINUED ON THE NEXT PAGE]

APPROVED AS TO FORM:

BY: _____
ROBERT R. SCHMITT
City Attorney

APPROVED AS TO SUBSTANCE:

BY: 
KEVIN PAYNE
Development Services Director

EXHIBIT "A"

Auburn Office:
11521 Blocker Drive, Suite 110 ▪ Auburn, CA 95603
(530) 887-1494



Fresno Office: (559) 438-8411
Modesto Office: (209) 522-6273
West Sacramento Office: (916) 375-8706

Geotechnical ▪ Geo-Environmental ▪ Construction Services ▪ Forensics

February 10, 2016

Guy Howes, PE, Senior Engineer
City of Roseville, Development Services Department
311 Vernon Street
Roseville, CA 95678

Subject: Proposal for On-Call Materials Testing Services

Dear Mr. Howes,

Thank you for reviewing Blackburn Consulting's (BCI) Proposal for On-Call Materials Testing Services to the City of Roseville. As a local, established firm, BCI offers quality materials testing services by experienced technicians.

Our primary strengths for this contract include:

- **Qualified Materials Testing Technicians**
BCI employs experienced and efficient field technicians who are cross-trained and certified to perform testing on many different material types.
- **On-Call Experience**
BCI has provided and is currently providing materials testing services to other public agencies from cities, counties, Caltrans, and Levee districts. We are proud of how we've serviced these clients and encourage you to contact our references.
- **Local Presence**
BCI will service this contract from our Auburn and West Sacramento office. Our locations' proximity to the City will translate into good communication, less travel, and fast response times.
- **Efficient Management**
BCI's management team for this contract is comprised of individuals with 14-32 years of experience. We know infrastructure and public works projects and how to support materials testing services with skilled leadership and engineering insight.
- **DBE Goal Achievement**
BCI has partnered with Inspection Services, Inc (ISI) in order to help the City achieve any DBE goals on federally-funded task orders under this contract. ISI is DBE certified and will supplement BCI's services with welding inspection and laboratory testing services as needed.

BCI will perform the services and adhere to the requirements described in this RFP, including any addenda. After review of our Proposal, please call if you have any questions. We look forward to continuing our successful partnership with the City of Roseville.

Sincerely,
BLACKBURN CONSULTING

A handwritten signature in black ink, appearing to read "Tom Blackburn".

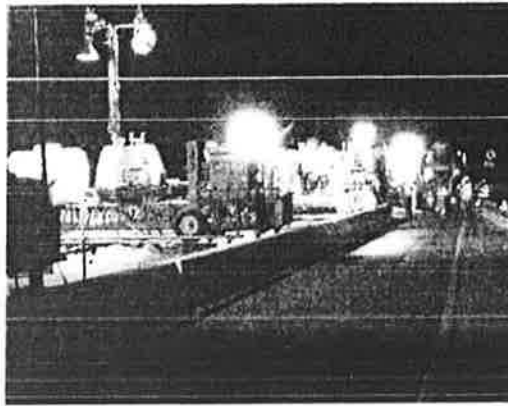
Thomas W. Blackburn, PE, GE
President

A handwritten signature in black ink, appearing to read "David J. Noel".

David J. Noel, RCI, QSP
Project Manager

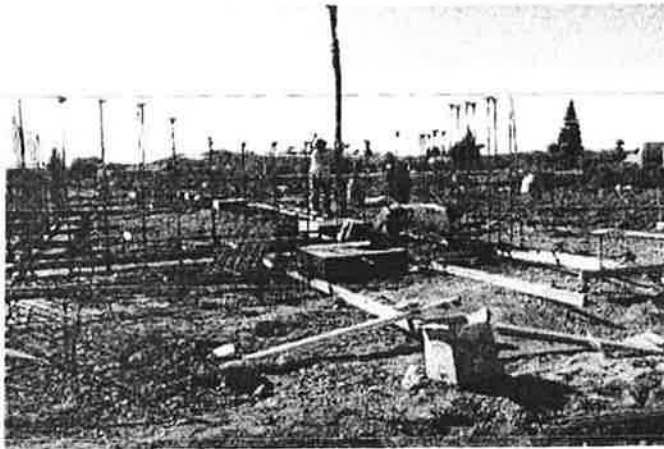
A handwritten signature in black ink, appearing to read "Bryce Moore".

Bryce Moore
Field Services Manager
brycem@blackburnconsulting.com
(916) 833-9688 cell
(916) 375-8709 fax



Proposal to the City of Roseville for On-Call Materials Testing Services

February 11, 2016



11521 Blocker Drive, Suite 110
Auburn, CA 95603
(530) 887-1494

**blackburn
consulting**

2491 Boatman Avenue
West Sacramento, CA 95691
(916) 375-8706

Firm Qualifications

Firm Profile



Founded in 1998, Blackburn Consulting (BCI) provides materials testing, geotechnical and environmental consulting, and construction management services from offices in West Sacramento, Auburn, Fresno, and Modesto. BCI concentrates on public sector projects and specializes in roadways, bridges, water tanks, pipelines, water/wastewater treatment plants, levees, dams, and landslide mitigation. BCI's unique commitment to public sector projects results in an up-to-date knowledge of state and local agency requirements, which leads to efficient analysis, less review time, and practical solutions. BCI's staff of over 40 includes material testers, field and laboratory technicians, inspectors, civil engineers, geotechnical engineers, geologists, engineering geologists, construction managers, drafters, and support staff. Most of BCI's registered professionals have over 20 years of experience in northern and central California.

For this contract, BCI will be the prime consultant and will provide materials testing and laboratory testing services.

On-Call Materials Testing Qualifications

BCI has a proven track record with on-call materials testing services for public agencies. We currently provide on-call materials testing and laboratory services for the City of Elk Grove, Placer County Water Agency, and Caltrans District 3, and have provided these services in the past for other agencies including Caltrans District 4 and 9, and Placer County. Managing these contracts has given us a familiarity with the demands and fluctuations of an on-call contract. BCI will provide field and laboratory testing of soils, concrete, and asphalt concrete by experienced and certified materials testers.

We know the importance of quick response time, clear communication, and flexibility when it comes to meeting agencies' staffing needs. We are proud of how we've served our clients on past and current on-call materials testing contracts, and encourage the City to contact our references listed in Tab B to hear directly from them about our performance.

Sub-Consultants



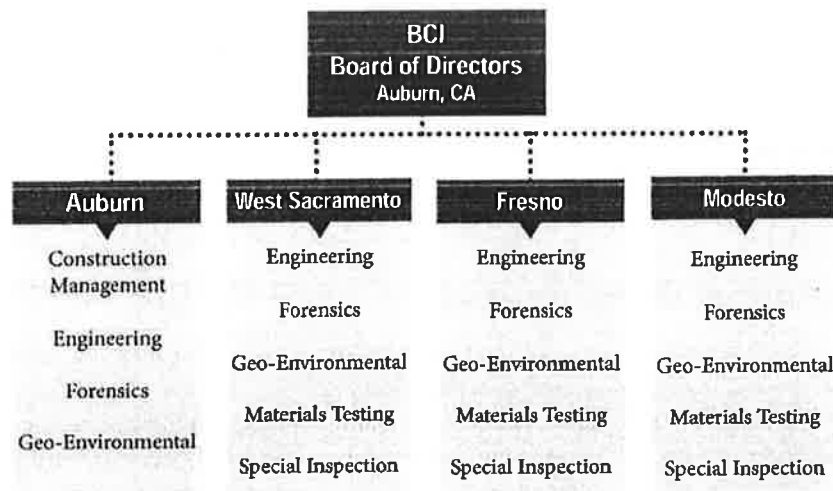
On federally-funded projects that include a DBE requirement, BCI will use Inspection Services Inc (ISI) to supplement our own. ISI is a certified SBE / MWBE / DBE company and provides special inspection, materials testing, and laboratory services from offices in Berkeley, Torrance, San Francisco, and Oakland, California. BCI will retain ISI to perform welding inspection and supplemental laboratory testing as needed to fulfill any DBE requirements on City projects.

Firm Qualifications (cont'd)

Firm Organization

BCI has a relatively flat organizational structure. Our Board of Directors provides vision and oversight for our four offices, all located within northern and central California. BCI has maintained a staff of 35-45 employees over the last five years.

BCI Organizational Chart



Experience and References

Materials and Laboratory Testing Experience

BCI has extensive experience with field inspection and materials testing including mass grading, soils, aggregate base, chemical treatment, concrete, hot mix asphalt, concrete pavement, cold in-place recycling, and full depth reclamation observation and testing. Our familiarity with on-call materials testing contracts enables us to support an efficient construction process. We maintain local testing laboratories capable of testing aggregates, hot mix asphalt (HMA), concrete, soil, and rock. We provide high quality, cost-effective materials testing solutions.

See our relevant project descriptions below:

City of Elk Grove On-Call Materials Testing - Elk Grove CA

BCI currently provides a variety of services for the City of Elk Grove through an on-call services contract. Services include geotechnical consulting, environmental consulting, laboratory testing, materials testing, and inspection in support of development and permitting by the City. BCI provides these same services for Capital Improvement Program planning, design, and construction. We also provide special inspection as required by the adopted City Building Codes for grading, reinforcing steel, high strength bolting, masonry, and epoxy or expansion anchors. We perform these services in conformance with the City of Elk Grove Local Agency Quality Assurance Program (QAP) Manual and City Standard Specifications.

Serving this on-call contract often presented the challenge of managing multiple projects with varied testing requirements simultaneously. BCI met the flexible staffing needs by providing staff who were not only Caltrans



certified, but also cross-trained in soils, concrete, and asphalt testing. BCI

covered several different types of projects at the same time by using one materials testing technician. These staffing practices ensured effective staffing for all of the city's project needs at a lower cost.

Project Similarities
- On-Call Materials Testing - Laboratory Services - Fluctuating Staffing Needs - Federal Aid Projects
Client
City of Elk Grove
Reference
Juan Chavez Development Services & Drainage Engineering Manager 8401 Laguna Palms Way Elk Grove, CA 95758 (916) 478-3661
Project Dates
2011-Present

Experience and References (cont'd)

Caltrans District 3 On-Call Construction Inspection and Materials Testing

For the last 10 years, BCI has provided "on-call" construction services to Caltrans' District 3 under contracts 03A1075 and 03A1811, which includes construction engineering services on an "as needed" basis in support of construction of state highways, interchanges and bridges. BCI provides Caltrans certified personnel to perform these construction services which include materials testing, laboratory, and inspection. Under these contracts, BCI personnel perform quality assurance construction inspection of roadway, batch plants, paving, striping, retaining walls, and utilities. BCI performs materials testing of concrete, soil, aggregate base, structure backfill, and Hot Mix Asphalt.

BCI personnel performed construction services on several projects including:

- SR 89 Squaw Valley to Tahoe City
- SR 89 Animal Crossing at Sierraville
- SR 89 Lakeside (Tahoe City to Meeks Bay)
- Hwy 28 from Tahoe City to Kings Beach
- SR 267 Improvements Kings Beach
- Hwy 80 Truckee River Canyon
- Hwy 80 Bonded Wearing Course from Hirschdale Rd to Floriston Rd.
- Hwy 80 at Donner Summit Phases 1-3
- Hwy 80 Gold Run III
- Hwy 80 Emigrant Gap
- US 50 Widening and Pedestrian Overcrossing Bass Lake and Missouri Flat
- US 50 Lake Tahoe Trout Creek to Ski Run Blvd.
- US 50/89 Meyers to Alpine County Line
- Hwy 65 Lincoln Bypass
- SR 49 Downieville

Project Similarities
▪ On-Call Materials Testing ▪ Fluctuating Staffing Needs
Client
Caltrans District 3
Reference
Salah Bouzid Senior Resident Engineer 10960 West River Street Truckee, CA 96161 (530) 415-6843
Project Dates
2008-2015



Experience and References (cont'd)

Feather River West Levee Rehabilitation Project - Sutter and Butte Counties - CA

BCI provides Quality Assurance Materials Testing and Inspection services for the Feather River West Levee Rehabilitation Project areas B, C, and D. The scope of the project includes correction of levee slope geometry, installation of shallow and deep cutoff walls, reconstruction of pump stations and canals, embankment construction, levee patrol roads, and access ramps over 37 miles of levee. BCI is currently performing all aspects of quality assurance for the CM team related to embankment fill, clay core, pipe removal and realignments, pump station realignments, open trench soil bentonite and deep mix method cutoff walls, borrow site analysis, relief well repair and levee road reconstruction.

BCI has provided a flexible level of staffing for this project according to each seasons' needs, with staffing levels ranging from 4-15 field and laboratory technicians each year, along with 24 hour operations on portions of the project.



BCI set up and maintains a fully accredited USACE laboratory at the project site to expedite laboratory analysis and turnaround time of results.

Project Similarities

- On-Call Materials Testing
- Laboratory Testing
- Fluctuating Staffing Needs

Client

Sutter Butte Flood Control Agency

Reference

Michael Bessette
Director of Engineering
1227 Bridge Street, Suite C
Yuba City, CA 95991
(530) 823-4850

Project Dates

2013- Present

The Cannery - Davis, CA

Project Similarities

- On-Call Materials Testing
- Laboratory Testing
- Developer-Funded

Client

City of Davis

Reference

Michael Mitchell
Principle Civil Engineer
1717 5th Street
Davis, CA 95616
(530) 757-5686

Project Dates

2014- Present

BCI is performing QA/QC materials testing and special inspection for the City of Davis for this 100 plus acre site which includes mixed density housing, commercial space, open space, on-site drainage facilities, and storm drain pump station. BCI is performing all materials testing during construction of site infrastructure including utilities, streets, storm drain basin, pump station, surface improvements, frontage improvements, and park development. BCI is performing reinforced concrete and masonry special inspection during construction of the storm drain pump station, headwalls, detention basin ramps, and box culverts.



Qualifications of Team

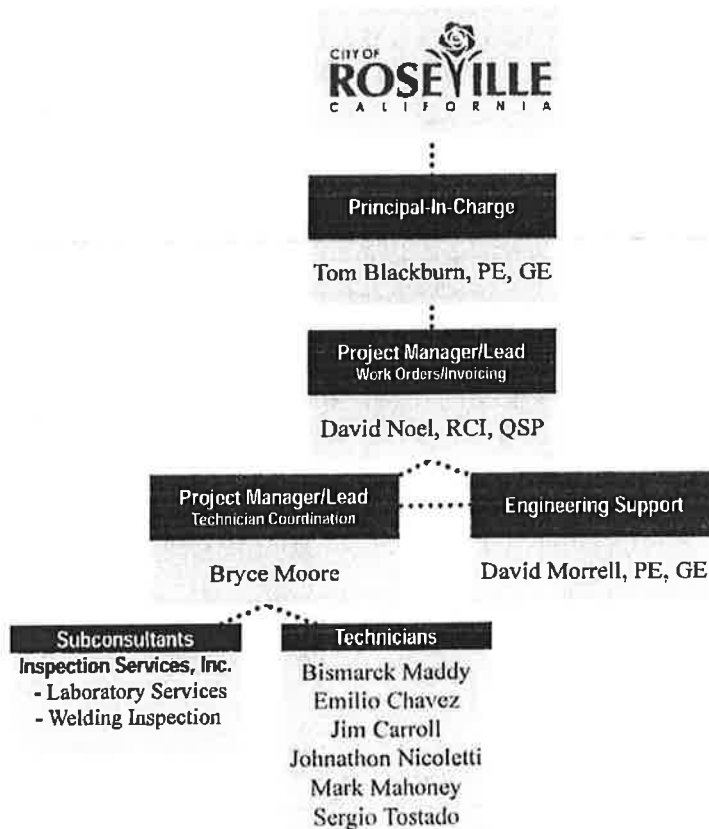
Project Organization

For this contract, Tom Blackburn, PE, GE, will serve as Principal-in-Charge. Tom will provide contract and overall project oversight as needed. Dave Noel will serve as the project manager/lead for all work orders, invoicing, and related requests. Bryce Moore will serve as our project manager/lead for materials testing services and will be the point of contact for day to day communication, technician coordination, and scheduling. Dave Morrell, PE, GE will provide engineering support during construction when geotechnical engineering recommendations are needed. Tom Blackburn and Dave Noel work out of BCI's Auburn office. Bryce Moore, Dave Morrell, and all materials testing technicians assigned to this contract will work from our West Sacramento office. Laboratory services will also be provided out of our certified laboratory in West Sacramento.

Laboratory Support Services

BCI tests aggregates, hot mix asphalt (HMA), concrete, soil and rock. BCI participates in the Caltrans Independent Assurance Sampling and Testing (IAST) program and maintains Caltrans certifications for applicable laboratory/field tests and equipment calibration. Our laboratory also maintains accreditations with AMRL, CCRL, DSA, and USACE.

Project Organizational Chart



Qualifications of Team (cont'd)

Project Team Members

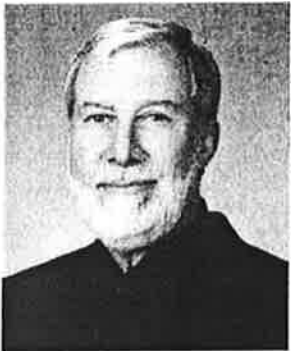


Thomas W Blackburn, PE, GE - Principal in Charge

Tom founded BCI in 1998 and services as CEO. Tom Blackburn is proactive and results oriented. He strives for excellence both personally and professionally, and his style keeps employees energized. As a seasoned construction manager and geotechnical engineer, Tom's project experience includes Caltrans inspection and testing for roadways, infrastructure for master planned communities, treatment plants, complex static/dynamic stability analyses for cut and fill slopes, seismicity studies, deep foundations for high rise structures, and retaining walls.

Tom served as Principal in Charge on the following Projects

- Caltrans District 3 On-Call – Caltrans District 3, CA
- PCWA On Call Inspection Services – Placer County, CA
- Elk Grove On Call Engineering Support Services – Materials Testing, CA
- Caltrans District 9 & 10 On-Call Professional and Technical Construction Engineering Services
- Placer County On-Call Materials Testing – Placer County, CA



David Noel, RCI, QSP - Project Manager/Lead for Contracts and Invoicing

Mr. Noel has been with BCI for six years. Dave has a reputation of providing a quality product and superior customer service resulting in many repeat clients on extensive highway realignments and improvements. Dave served as Supervising Observer for the City of Roseville with responsibility for observation of capital improvements including roadways, commercial, industrial, and residential projects. He coordinated observations by outside consultants, maintained daily field reports, and verified progress payments for City projects.

Dave also worked for a general engineering contractor as a construction superintendent who supervised three construction crews. His responsibilities included project scheduling, performing quality control, resolving field problems, project acceptance, serving as company safety officer, and assisting with estimating, scheduling, staging, and site preparation.

Dave served as Project Manager on the following projects:

- On Call Public Works Inspection Services – City of Rocklin, CA
- On Call Inspection Services – PCWA, Auburn, CA
- On Call Engineering Support Services – City of Elk Grove, CA
- On Call Construction Management and Inspection – County of Placer, CA
- On Call Construction Inspection – City of Roseville

Qualifications of Team (cont'd)

Project Team Members (cont'd)



Bryce Moore - Project Manager/Lead for Technician Coordination

Bryce Moore serves as Blackburn Consulting's Field Services Manager and has been with the company for over 9 years. Bryce's experience of over fifteen years includes management, inspection, and materials testing for city and county roadways, public works infrastructure, levees, Caltrans roadways and bridges, subdivisions, schools, and pipeline projects. Bryce provides inspection and certified testing of concrete, soils and asphalt. He is Caltrans, ICC, and ACI certified. Bryce's recent roadway/bridge materials testing experience includes work on the Grant Line Road Interchange Project and the Sacramento Railyards Project.

Bryce served as Field Services Manager/Materials Tester on the following projects:

- Feather River West Levee Rehabilitation, Projects B, C, & D - Sutter & Butte Counties, CA
- Grant Line Road Widening, Phase 1 – Elk Grove, CA
- City of Elk Grove On-Call Materials Testing – Elk Grove, CA
- 5th St. Viaduct, 6th St. Road Improvements – City of Sacramento, CA
- The Cannery – Davis, CA
- ARRA Overlay Project – Placer County, CA
- Caltrans District 3 On-Call – Truckee, CA



David Morrell, PE, GE - Engineering Oversight

David Morrell is a Senior Project Manager with Blackburn Consulting and has been with the company for over 13 years. He has 26 years of geotechnical engineering and materials testing/special inspection project experience on infrastructure, bridge, residential, commercial, school, and hospital projects in the Sacramento Valley area. His experience includes management of materials testing and special inspection projects for roadway improvements, interchanges and bridges, wastewater treatment facilities, schools, hospitals, commercial and residential developments. Mr. Morrell's experience also includes providing geotechnical analysis and recommendations for shallow and deep foundation design, embankment settlement, retaining walls, slope stability and landslide repair, pavement design, and expansive soil mitigation.

Dave provided Engineering Oversight on the following materials testing projects:

- City of Elk Grove On Call Services – Elk Grove, CA
- Interstate 5/County Road 102 Interchange – Woodland, CA
- Sacramento Railyards Bridges – Sacramento, CA
- The Cannery – Davis, CA
- Joiner Parkway Overcrossing Bridge at State Route 65 – Lincoln, CA

Qualifications of Team (cont'd)

Project Team Members (cont'd)

Emilio Chavez - Senior Materials Tester/Inspector

Emilio Chavez is a highly-qualified materials tester with over 20 years of experience throughout California. He has been with BCI for two years. His expertise includes earthwork, concrete, and pavement observation on project types such as roadways, bridges, airports, wastewater treatment plants, landfills, levees, schools, and buildings. Emilio has provided quality assurance testing on many large, successful projects and has worked with various cities, counties, and other agencies such as Caltrans.

Emilio provided materials testing/inspection services on the following projects:

- Feather River West Levee Rehabilitation – Sutter and Butte Counties, CA
- Caltrans Northern Reg. Admin. Contract – Modoc County, CA
- Interstate 80 Projects – Placer & Nevada Counties, CA
- Interstate 5 / Magic Mountain Parkway Interchange – Santa Clarita, CA
- Ventura and Los Angeles County WWTP and Landfill – Ventura & Los Angeles Counties, CA
- Caltrans Northern Reg. Admin. Contract – Lassen, Butte, and Placer Counties, CA

Jim Carroll - Materials Tester/Inspector

Mr. Carroll has over 20 years of experience in the materials testing/construction inspection field and has been with BCI for almost 10 years. His background includes Caltrans & county roadways, public works infrastructure, bridges, subdivisions, schools and essential services projects. He has provided construction inspections and certified testing of concrete, soils, and asphalt. He understands construction principles, techniques, use of materials, plans, and construction standards, and is familiar with OSHA and CalOSHA regulations.

Jim provided materials testing/inspection services on the following projects:

- Emerald Trunk Line Rehabilitation Project - Modesto, CA
- Caltrans On-Call District 10 – Merced County, CA
- Caltrans On-Call District 9 – Inyo County, CA
- Caltrans On-Call District 3 – Placer & El Dorado Counties, CA
- ARRA Overlay Project - Placer County, CA
- Woodland Heritage Subdivision - Woodland, CA
- Hwy. 65 Bypass, Caltrans District 3 – Placer County, CA

Qualifications of Team (cont'd)

Project Team Members (cont'd)

Johnathon Nicoletti - Materials Tester/Inspector

Johnathon Nicoletti has over six years of experience working in a quality assurance/quality control capacity and has been with BCI for 2 years. He has performed structural inspections and materials testing on a large spectrum of projects. Johnathon holds special certification for inspecting precast prestressed concrete, reinforced concrete, and structural steel. Johnathon understands the important role communication plays in keeping projects on schedule and in compliance, and employs timely and thorough record-keeping habits.

Johnathon provided materials testing/inspection services on the following projects:

- City of Elk Grove On Call – Elk Grove, CA
- Mid-Western Placer Regional Sewer Project – Placer County, CA
- Feather River West Levee Rehabilitation Project Area C - Sutter & Butte Counties, CA
- Interstate 80 Emigrant Gap – Placer County, CA

Sergio Tostado, EIT - Materials Tester/Inspector

Sergio Tostado is an experienced, conscientious, and hard-working field technician. He has been with BCI for over 4 years. He has performed quality assurance materials testing in support of a variety of different public works projects, capital improvement programs, and development projects. He is well-versed in all aspects of construction materials testing including soils, concrete, and asphalt. He also has laboratory analysis experience including soils and material testing in accordance with the American Society for Testing and Materials (ASTM) and California Department of Transportation (Caltrans).

Sergio provided materials testing/inspection services on the following projects:

- Sacramento Railyards – City of Sacramento, CA
- City of Elk Grove On Call – Elk Grove, CA
- Feather River West Levee Improvements – Sutter and Butte Counties, CA
- Electric Street Tank and Pipeline – Auburn, CA

Will Doll - Materials Tester/Inspector

Mr. Doll is a Materials Tester/Inspector with Blackburn Consulting and has been with the company for 2 years. Will provides inspection and certified testing of concrete, soils, and asphalt on various projects for cities and counties. He has observed and tested soil cement per ASTM, provided earthwork, concrete, and pavement observations, and performed testing during mass grading, placement of engineered fill, street/parking lot sub grade and base-rock, utility trench backfill along with slope repair and building pad subgrade.

Will provided materials testing/inspection services on the following projects:

- Midwestern Placer Regional Sewer Project - Lincoln, Placer County, CA
- The Cannery-- Davis, CA
- City of Elk Grove On Call – Elk Grove, CA
- Dixon Wastewater Treatment Facility - Dixon, CA

Qualifications of Team (cont'd)

Subconsultant Qualifications

With over 80 employees, ISI has the depth of resources and breadth of knowledge to deliver high quality and responsive service to clients. ISI is well-versed in the Standard Specifications for Public Works Construction, Caltrans Specifications, California Building Code, and the International Building Code. ISI employs California Licensed Civil, Geotechnical, and Quality Engineers and ICC, OSHPD, DSA, AWS, ASNT, ACI and NICET certified inspectors and technicians to support their testing services.

Lorenzo Lawson - ISI Lab Manager

As ISI's Berkeley Laboratory Supervisor, Lorenzo Lawson applies more than 27 years of experience in a wide range materials testing and inspection of asphalt, concrete and soils. He is certified in Caltrans Test Procedures, and experienced in ASTM and AASHTO test procedures for soils and asphalt. Lorenzo is dedicated to running a quality laboratory and the training and supervision of his staff of laboratory technicians. Lorenzo's project experience includes:

- State Route 237/I-880, Alameda County
- I-580/I-680, Alameda County
- State Route 4 (Antioch / Brentwood)
- Bay Bridge Extension
- Concord Buchanan Field Airports

Resumes

Please see **Appendix A** for full resumes of key team members.

Project Understanding

Services Requested

The City of Roseville (City) plans to select one or more on-call geotechnical engineering firms to perform materials testing for all City infrastructure improvements within City right-of-way or City easements. Tasks may be authorized by various City departments on a test-by-test basis or by an entire project assignment. Anticipated project types include major arterial streets, capital improvements, specific plan infrastructure improvements, Community Facility District improvements, private development projects that include City improvements, and special inspections. Materials testing will be primarily provided for soils, concrete and hot mix asphalt concrete, although other material such as roller compacted concrete will require materials testing.

Approach

BCI has assembled a highly qualified project team to pro-actively manage and perform materials testing and special inspections for this on-call contract. We take a partnering approach to construction materials testing and special inspection services, encouraging open and frequent communication between all parties regarding known or potential project issues and constraints in order to provide timely and effective support and solutions. BCI will provide value to the City through our efficient technician scheduling, our flexible staffing including technicians cross-trained and certified to test different materials, and our experience with applicable local and regulatory issues. BCI requires thorough and timely documentation by our inspectors and material testing technicians in order to accurately document conditions on every project. We track all deficiencies and non-conforming tests for each project separately and will work diligently with City Inspector's and the contractor to resolve failing tests as soon as possible.

Major Challenges and Strengths

BCI understands private and public construction, and the major challenge of anticipating field staffing levels and providing sufficient field personnel on a day-by-day or project-by-project basis. BCI handles these staffing challenges on our other on-call materials testing and inspection contracts and anticipates mitigating similar challenges during this on-call contract. Peak project staffing needs typically occur during the summer and fall months. To respond to these needs, BCI cross-trains and certifies our field staff, laboratory staff, and junior engineers in materials testing techniques involving soil, concrete, and asphalt concrete so we can provide additional qualified staff as necessary. One technician on multiple projects and test types supports efficiency and clear communication. Additionally, our Field Services Manager performs testing and inspections when last minute unscheduled testing requests occur.

Project Understanding (cont'd)

Major Challenges and Strengths (cont'd)

A second major challenge of on-call contracts is the often unforeseen conditions that occur during construction of roadways and public works projects, especially those related to unstable subgrade during or shortly following the rainy season. BCI's civil and geotechnical engineers have over 20 years of experience in providing engineering solutions and flexible recommendations to expedite construction in the Placer County region. Our unique knowledge of local soil conditions, material suppliers, and specifications allow us to provide quick response to conditions that may arise and identify potential problems early. BCI's flat organizational structure provides our Field Services manager and field personnel with direct and quick access to senior engineers to resolve problems in an effective manner, preventing unnecessary construction delays and added cost.

Project Plan

BCI's project plan to successfully complete this contract relies on effective methodologies throughout each individual task order stage, from the task order proposal through task order closeout. We describe key elements of our project plan below.

Task Order Proposal

When BCI receives a proposal request from the City for a task order, BCI's Field Services Manager will determine specific technical skills and certifications that will be required to successfully complete the work. The Field Services Manager will submit a cost proposal and detailed scope of work to the City for each task order request. The proposal will include:

1. Our understanding of the project and the anticipated construction schedule.
2. A detailed scope of services including the types of materials testing and/or special inspection services to be performed.
3. A detailed cost estimate to complete our task order services, including a breakdown of our costs by the associated construction phase and/or type of material to be tested or inspected.
4. The name(s) of BCI field personnel proposed for the materials testing and/or special inspection services on the task order, including the basis for selecting a particular BCI staff member.
5. A discussion of the DBE requirements (for federally funded projects) and our DBE utilization to meet specified DBE goals.

Staffing Estimates and Scheduling

BCI will develop a master task order schedule for this on-call contract in order to evaluate staffing needs and provide sufficient qualified field personnel to the City throughout the year. The master schedule will include all task orders that are active and in the proposal development phase, including a breakdown of our field personnel man hour estimates by week for each task order based on the estimated construction schedule and our experience on similar projects.

BCI will schedule and assign projects in specific geographical areas to a primary materials tester to minimize staffing where practical. If construction schedules dictate additional materials testers are necessary, BCI will add selected staff to a project to ensure all materials testing needs are met as scheduled. Whenever possible, BCI will perform concrete sample pickup and short site visits using staff who reside in the greater Roseville area but who commute to our West Sacramento office to reduce cost to the City.

Field and Laboratory Test Documentation

BCI equips all of our field staff with laptops and cellular WIFI connection devices to enable each materials tester to complete and transmit draft field reports and test results electronically on a daily basis. BCI's Field Services Manager and/or Geotechnical Engineer will perform quality control review of each draft daily field report, and submit final, signed reports weekly for each project. Laboratory test results will also be reviewed by our Field Services Manager and/or Geotechnical Engineer, and then transmitted electronically to City representatives on a timely basis.

Project Plan (cont'd)

Field and Laboratory Test Documentation (cont'd)

Intentional and clear communication with City staff and the contractor are critical to ensure that failing tests and deficient materials are corrected as soon as possible to reduce associated schedule and cost impacts. When deficiencies or test failures occur, BCI's field personnel will notify the contractor and City representative immediately, and our Field Services Manager will track each case including location, the type of deficiency, and when the deficiency was corrected. BCI will maintain a deficiency log for each task order for City Inspectors and Project Managers as requested.

Budget Tracking

BCI will track each task order budget separately on a month by month basis, and forecast our anticipated future task order billing using our task order schedule and the anticipated remaining construction schedule. This will allow us to give an up to date account to the City regarding our budget status. If our forecasting indicates that our budget could be exceeded, then we can work with the City early to possibly adjust our services and avoid budget overruns. BCI will also track retesting/re-inspection costs to correct deficient or non-conforming work in case the City desires to pass these costs onto the Contractor or Developer.

Invoicing Procedures

BCI will provide invoicing that meets the City's needs regarding format and content. We can customize invoicing for individual projects as needed if there are special requirements such as certified payroll and other federal funding requirements. At a minimum, BCI will provide invoices to the City on a monthly basis that will include the following: Project name, City Project Number, task order #, Invoice #, date of service, types of services rendered, contractor, person performing the task, test rate, and/or hourly rate. Invoiced hourly rates will be billed at no less than 0.25 hour increments.

Depending on the City's needs, BCI can provide a single invoice each month broken down into task order phases or provide individual invoices for each task order.

BCI has concentrated on public works projects since the company's founding. We have an in-depth knowledge of invoicing and payroll requirements with regards to federally-funded projects. BCI has performed labor compliance oversight on multiple federal aid projects, and BCI Principal Grace Blackburn is an active member of the ACEC Prevailing Wage Law Committee.

Task Order/Project Closeout

After completion of each task order, BCI will keep electronic and hard copy files of all relevant information regarding each project. BCI can provide summary letters of work performed, test results, and lab results if requested. If needed, we will also provide support for federally-funded project audits.

Project Plan (cont'd)

Proposed 2016 Work Schedule

BCI anticipates supplying one to two full-time technicians to the City during peak construction in the summer months, with additional staff assigned on an as-needed basis. The table below represents our anticipated workload:

Staff/ Position	2016											
	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Project Manager					AN	AN	AN	AN	AN	AN	AN	AN
Field Svs Manager					AN	AN	AN	AN	AN	AN	AN	AN
MT 1					PT	FT	FT	FT	FT	FT	PT	PT
MT 2						PT	FT	FT	PT	PT		
MT 3						PT	PT	PT				
MT 4							PT	PT				
Lab Testing	Performed as needed at submitted unit cost.											

MT = Materials Tester AN = As Needed FT = Full-time PT = Part-time

The table above indicates anticipated work load and is based on assumptions of current and planned development and public works projects that are known at this time. BCI will provide the necessary staffing to accommodate all on-call materials testing requests and could be more or less than what is shown above.

The staff we will assign are identified in Tab C: Qualifications of Team and detailed resumes for each team member can be found in Appendix A. (omitted)

EXHIBIT “B”

Auburn Main Office:

11521 Blocker Drive, Suite 110
Auburn, CA 95603
(530) 887-1494 Fax (530) 887-1495

West Sacramento Office:

2491 Boatman Avenue
West Sacramento, CA 95691
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www.blackburnconsulting.com

Modesto Office:

1016 12th Street
Modesto, CA 95354
(209) 522-6273

Fresno Office:

360 W. Bedford Avenue, Suite 101
Fresno, CA 93711
(559) 438-8411

2016 SCHEDULE OF FEES - City of Roseville On-Call

Geotechnical ▪ Geo-Environmental ▪ Construction Services ▪ Forensics

PROFESSIONAL HOURLY RATES:

Senior Project Manager	\$200	Technician Manager	\$132
Principal	\$226	Clerical	\$73

SPECIAL INSPECTION PERSONNEL HOURLY RATES:

Prevailing Wage

	Regular	Overtime	Sunday/2x
Materials Tester/Group 3	\$126	\$151	\$167
Nighttime Materials Tester/Group 3	\$131	\$158	\$177

Non-Prevailing Wage

	Regular	Overtime	Sunday/2x
Materials Tester/Group 3	\$98	\$123	\$140
Nighttime Materials Tester/Group 3	\$102	\$129	\$148

MINIMUM BASIC CHARGES:

Outside Equipment & Services	Cost plus 15%
Technician Services	Charge includes time from office and return to office, minimum charge - 2 hours
Overtime	Before 7:00am or after 4:00pm Saturday: Overtime Hourly Rate Sunday & Holiday: 2.0 x Hourly Rate
Report Copies	4 Report copies provided

EQUIPMENT: (personnel not included)

Hand Sampling Equipment	\$237 / Day	Double Ring Infiltrometer Equipment	\$278 / Day
pH Test Strip Package	\$46 / Ea	Liquid Level Equipment	\$232 / Day
6" Sand Cone Testing	\$36 / Test	Pachometer	\$118 / Day
12" Sand Cone Testing	\$180 / Test	Rock Point Load Test Equipment	\$118 / Day
Coring Bit Charge	\$36 / Core	Roto Hammer	\$113 / Day
Coring Machine	\$227 / Day	Schmidt Hammer	\$93 / Day
Dynamic Cone Penetrometer	\$258 / Day	Torque Wrench	\$57 / Day
Electrical Resistivity Equipment	\$227 / Day	Seismic Refraction: 12 Channel	\$443 / Day
Generator	\$57 / Day	Traffic Control/Safety	\$278 / Day
Groundwater Level Indicator	\$57 / Day	Concrete Vapor Emission Test Kit	\$24 / Ea
Inclinometer Survey Equipment	\$567 / Day		

Revised 02-10-16

Auburn Main Office:
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(559) 438-8411

2016 LABORATORY FEE SCHEDULE

Geotechnical ▪ Geo-Environmental ▪ Construction Services ▪ Forensics

Page 1 of 2

SOIL CLASSIFICATION		
#200 Sieve Wash	ASTM D1140	\$113
Sieve Analysis to #200	ASTM D6913, CAL 202	\$175
Standard Hydrometer with Sieve Analysis	ASTM D422	\$345
Plasticity Index	ASTM D4318	\$252
Specific Gravity - Soils	AASHTO T100	\$108
MOISTURE / DENSITY		
Moisture Content	ASTM D2216, CAL 226	\$41
Moisture/Density		\$77
SOIL COMPACTION		
Standard Proctor (4" or 6" mold)	ASTM D698	\$314
Modified Proctor (4" or 6" mold)	ASTM D1557	\$314
California Impact	CAL 216	\$314
Check Point (Standard or Modified)		\$144
VOLUME CHANGE		
One-Dimensional Consolidation	ASTM D2435	\$494
<i>(6 load increments, includes 2 time rate curves and 2 rebound decrements)</i>		
Additional Load or Rebound Decrement		\$33/ea
Additional Time Rate Curves		\$108/ea
Expansion Index	ASTM D4829	\$258
Settlement Swell	ASTM D4546	\$155
STRENGTH		
Unconfined Compression	ASTM D2166	\$144
Compression, Rock <i>Prep & Photos included</i>	ASTM D7012	\$273
Rock Point Load (up to six points)	ASTM D5731	\$67
Compression Test of Cored Concrete Spec.		\$77
California Bearing Ratio (CBR), with curve	ASTM D1883	\$783
California Bearing Ratio (CBR), without curve	ASTM D1883	\$469
Resistance Value	CAL 301, ASTM D2844	\$340
Direct Shear: (per point)		
Undisturbed	ASTM D3080	\$196
Remolded	ASTM D3080	\$252
Triaxial Compression: (per point) Photos of failure upon request		
Undrained, Unconsolidated w/out Pore Pressure	ASTM D2850	\$175
Consolidated, Undrained w/ Pore Pressure Measurements	ASTM D4767	\$515
Consolidated, Drained		\$742
Consolidated, Undrained, no Pore Pressure Measurements		\$288
Specimen Remolding		\$113

CORROSION ANALYSIS

Corrosion Analysis Package	CAL 643, 417, 422	\$319
<i>Includes Soil Resistivity, Soil pH, Sulfates / Chlorides. Minimum size is 1,000 grams</i>		
pH	CTM643	\$41
Resistivity	CTM643	\$134

PERMEABILITY

Flex-wall Permeability	ASTM D5084	
<i>Either Constant head or Falling Head / rising Tail Water. Method depends on soil type</i>		\$453
Each Additional Effective Stress		\$113
Specimen Remodeling		\$113

TREATED SOIL TESTS

% Lime for Stabilization - per point (%)	ASTM D6276	\$124
pH of Soil	CTM643	\$41
Modified Proctor	ASTM D1557	\$376
Unconfined Compression Test	ASTM D5102	\$211
One Dimensional Swell	ASTM D4546	\$211

AGGREGATES

Bulk Specific Gravity - Course & Fine Aggregate	ASTM C127 & 128, CAL 206, 207	\$108
Coarse Durability	CAL 229	\$185
Fine Durability	CAL 229	\$185
Sand Equivalent	CAL 217, ASTM D2419	\$129
Cleanliness Value	CAL 227	\$175
Moisture Content	CAL 226/370	\$98
Percent of Crushed Particles (per size fraction)	CAL 205	\$165
Fine Aggregate Angularity	AASHTO T304, Method A	\$165
Flat and Elongated Particles (per size)	AASHTO D 4791	\$165
Combined Grading 1" through no. 200	CAL 201/202	\$175
Bin Grading (First 2 Bins)	CAL 201/202	\$175
Each Bin Thereafter		\$67
LP-9 (RAP) Burn	LP-9, CT382	\$108

ASPHALT

Bulk Specific Gravity - Compacted Hot Mix Asphalt	CAL 308	\$52
Theoretical Max Specific Gravity (Rice)	CAL 309	\$191
LTMD (Set of 5)	CAL 375	\$381

Binder Content

Ignition Oven Correction Factor	CAL 382	\$324
Ignition Oven	CAL 382	\$191
Solvent	AASHTO T164	\$242
Stability (Set of 3)	CAL 366	\$340

Void Content

With Stability and Rice	CAL 367	\$36
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CONCRETE & MASONRY

Concrete Compression Test 6" x 12" or 4" x 8"	ASTM C39	\$36
Masonry or Grout Compression		\$52

Other Tests Quoted Upon Request



COUNCIL COMMUNICATION

CC #: 7635

File #: 0400-04-12-1

Title: Sierra Vista Specific Plan Correctory Irrevocable Offers of Dedication

Contact: Kerry Andrews 916-774-5339 kandrews@roseville.ca.us
Chris Kraft 916-774-5373 ckraft@roseville.ca.us

Meeting Date: 5/4/2016

Item #: 7.16.

RECOMMENDATION TO COUNCIL

Consent to the recordation of the irrevocable offers of dedication (IODs) from KV Sierra Vista, LLC, and reserve the right to accept the IODs or any portion thereof at a later date.

BACKGROUND

On July 15, 2015, the City consented to the recordation of irrevocable offers of dedications (IODs) from the landowners within the Sierra Vista Specific Plan. Following the City's approval, the IODs were then recorded at the Placer County Recorder's office on July 25, 2015.

Sometime during this process, and before the IODs were recorded, one of the landowners, Baseline P&R, transferred ownership of three of their parcels located within the Sierra Vista Specific Plan to KV Sierra Vista. This transfer of ownership invalidated the IODs tied to the three parcels since Baseline P&R was no longer the fee title owner when the IODs were recorded. To correct this error, new IODs were prepared and signed by the KV Sierra Vista, LLC. (See attached)

Staff has reviewed the new IODs presented by KV Sierra Vista, LLC, and has determined that they meet the requirements of the backbone infrastructure requirements per the Development Agreement for the Sierra Vista Specific Plan.

The IODs for the Sierra Vista Specific Plan are for various backbone infrastructure that supports the development of the plan area. These IODs were required as part of the Development Agreement for the Sierra Vista Specific Plan and provide the ability for development of necessary infrastructure across private property. Upon completion and acceptance of the public improvements the City will accept the dedications as part of the City owned right-of-way.

FISCAL IMPACT

This action will have no fiscal impact to the General Fund.

ECONOMIC DEVELOPMENT / JOBS CREATED

None

ENVIRONMENTAL REVIEW

Approval of the irrevocable offers of dedication for Sierra Vista Specific Plan development is an action that is subject to CEQA. Project level CEQA compliance for the Sierra Vista Specific Plan project was accomplished with the preparation of the Sierra Vista Specific Plan Final EIR (Adopted: May, 2010) (SCH: 2008032115). Because the irrevocable offers of dedication are consistent with the project evaluation in the Sierra Vista Specific Plan Final EIR, no new effects would be expected to occur and applicable mitigation measures from the Final EIR will be implemented. As such, no additional CEQA action is required at this time.

Respectfully Submitted,

Kerry Andrews, Assistant Engineer

Kevin Payne, Development Services Director



Rob Jensen, City Manager

ATTACHMENTS:

Description

Resolution No. 16-146

Irrevocable Offer Of Dedication in Fee Title

Irrevocable Offer of Dedication of Easement

Irrevocable offer of Dedication of Easement

RESOLUTION NO. 16-146

CONSENTING TO THE RECORDATION OF IRREVOCABLE OFFERS OF DEDICATION
FOR BACKBONE INFRASTRUCTURE FOR THE SIERRA VISTA SPECIFIC PLAN

WHEREAS, the Development Agreements (DAs) for the Sierra Vista Specific Plan Area required the landowners to irrevocably offer for dedication right of way for public access, easements for public utilities, and land for open space and various public backbone purposes; and

WHEREAS, the DAs also required that the Irrevocable Offers of Dedication (IODs) be recorded prior to the recordation of any Large Lot Final Map; and

WHEREAS, KV Sierra Vista, LLC has submitted three Irrevocable Offers of Dedication for right of way and public utility easements; and

WHEREAS, the IODs have been reviewed by the City Council; and

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Roseville that Council hereby consents to the recordation of said Irrevocable Offers of Dedication and hereby authorizes the City Clerk to submit said IODs for recordation on behalf of the City of Roseville; and

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,
RETURN TO:

City Clerk
CITY OF ROSEVILLE
311 Vernon Street
Roseville, CA 95678

SPACE ABOVE THIS LINE RESERVED FOR RECORDER'S USE

IRREVOCABLE OFFER OF DEDICATION IN FEE TITLE

FOR VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

KV Sierra Vista, LLC a California Limited Liability Company

("GRANTOR"), hereby GRANT(s) to THE CITY OF ROSEVILLE, a municipal corporation, an Irrevocable Offer of Dedication in Fee Title to the following described real property in the City of Roseville, County of Placer, State of California:

See Exhibit "A" attached hereto and incorporated herein by reference.

This Irrevocable Offer of Dedication is made pursuant to Section 7050 of the Government Code of the State of California and all or any portion of this Irrevocable Offer of Dedication may be accepted at any time by the City Council of the City of Roseville.

This Irrevocable Offer of Dedication may be terminated and the right to accept such offer abandoned in the same manner as is prescribed for the vacation of streets or highways by Part 3 of Division 9 of the Streets and Highways Code of the State of California.

This Irrevocable Offer of Dedication shall be irrevocable and shall be binding on GRANTOR, its heirs, executors, administrators, successors and assigns.

This Irrevocable Offer of Dedication is being recorded to correct that certain Irrevocable Offer of Dedication in Fee Title, dated April 13, 2015, as Instrument No. 2015-0064318, Official Records of Placer County. This correction is in relation to that certain property now owned by KV Sierra Vista LLC, more particularly described in the attached Exhibit A, as to Areas R-1, R-2, R-6 and O-2.

Dated this 23rd day of February, 2016

SIGNATURE PAGE TO IRREVOCABLE OFFER OF DEDICATION IN FEE TITLE

KV SIERRA VISTA, LLC
a California limited liability company

By:



Name: Chris Vrame

Its: Manager

(Notarization Required)

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 Sacramento) ss.

On February 23, 2016 before me, Kari C. Hawkins
Notary Public personally appeared Chris N. Vrame

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 Kari C. Hawkins



EXHIBIT "A"

IRREVOCABLE OFFER OF DEDICATION (RIGHT OF WAY)

All that real property situated in the City of Roseville, County of Placer, State of California, as described as follows:

All that portion of the real properties described within those certain Grant Deeds filed for record in Document No.'s 2014-0033001, 2014-0010533 & 2014-0010535, Placer County Records, lying within the Areas described as follows:

Areas R-1, R-2, R-6, R-7, R-8, R-9 and R-10 as said Areas are shown on that Record of Survey filed for record in Book 22 of Surveys, at Page 135, Placer County Records.

IRREVOCABLE OFFER OF DEDICATION (OPEN SPACE)

All that real property situated in the City of Roseville, County of Placer, State of California, as described as follows:

All that portion of the real properties described within those certain Grant Deeds filed for record in Document No.'s 2014-0033001, 2014-0010533 & 2014-0010535, Placer County Records, lying within the Areas described as follows:

Areas O-1 and O-2 as said Areas are shown on that Record of Survey filed for record in Book 22 of Surveys, at Page 135, Placer County Records.

RECORDING REQUESTED BY
AND WHEN RECORDED,
RETURN TO:

City Clerk
CITY OF ROSEVILLE
311 Vernon Street
Roseville, CA 95678

SPACE ABOVE THIS LINE RESERVED FOR RECORDER'S USE

IRREVOCABLE OFFER OF DEDICATION OF EASEMENT

FOR VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

KV Sierra Vista, LLC a California Limited Liability Company

("GRANTOR"), hereby GRANT(s) to THE CITY OF ROSEVILLE, a municipal corporation, an Irrevocable Offer of Dedication of Easement for the purpose and purposes appurtenant thereto, on, over, under, and across the following described real property in the City of Roseville, County of Placer, State of California:

See Exhibit "A" attached hereto and incorporated herein by reference.

This Irrevocable Offer of Dedication is made pursuant to Section 7050 of the Government Code of the State of California and all or any portion of this Irrevocable Offer of Dedication may be accepted at any time by the City Council of the City of Roseville.

This Irrevocable Offer of Dedication shall convey to the City of Roseville upon its acceptance, a superior right of easement over any facility or facilities located within or under the aforementioned parcel of land. The above-described easement shall be kept open, clear and free from buildings or structures of any kind.

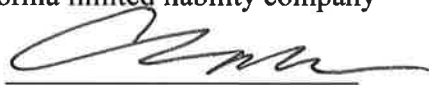
This Irrevocable Offer of Dedication may be terminated and the right to accept such offer abandoned in the same manner as is prescribed for the vacation of streets or highways by Part 3 of Division 9 of the Streets and Highways Code of the State of California.

This Irrevocable Offer of Dedication shall be irrevocable and shall be binding on GRANTOR, its heirs, executors, administrators, successors and assigns.

This Irrevocable Offer of Dedication is being recorded to correct that certain Irrevocable Offer of Dedication of Easement, dated April 13, 2015, as Instrument No. 2015-0064325, Official Records. This correction is in relation to that certain property now owned by KV Sierra Vista LLC, more particularly described in the attached Exhibit A, as to Areas E-3, E-21, E-22, R-1 and R-2.

Dated this 10th day of March, 2016.

KV SIERRA VISTA, LLC
a California limited liability company

By: 

Name: Chris Vrame

Its: Manager

(Notarization Required)

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 Sacramento) ss.

On March 10, 2016 before me, Kari C. Hawkins
Notary Public personally appeared Chris N. Vrame

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 Kari Hawkins



EXHIBIT "A"

IRREVOCABLE OFFER OF DEDICATION (EASEMENT)

All that real property situated in the City of Roseville, County of Placer, State of California, as described as follows:

All that portion of the real properties described within those certain Grant Deeds filed for record in Document No.'s 2014-0033001, 2014-0010533 & 2014-0010535, Placer County Records, lying within the Areas described as follows:

Areas E-3, E-4, E-21 and E-22 as said Areas are shown on that Record of Survey filed for record in Book 22 of Surveys, at Page 135, Placer County Records.

Area E-4, E-21 and E-22 as Public Utility Easement and Area E-3 for Water Line and Sanitary Sewer purposes.

IRREVOCABLE OFFER OF DEDICATION (PUBLIC UTILITY EASEMENT)

All that real property situated in the City of Roseville, County of Placer, State of California, as described as follows:

All that portion of the real properties described within those certain Grant Deeds filed for record in Document No.'s 2014-0033001, 2014-0010533 & 2014-0010535, Placer County Records, lying within the Areas described as follows:

Areas R-1, R-2, R-7, R-8, R-9 and R-10 as said Areas are shown on that Record of Survey filed for record in Book 22 of Surveys, at Page 135, Placer County Records.

RECORDING REQUESTED BY
AND WHEN RECORDED,
RETURN TO:

City Clerk
CITY OF ROSEVILLE
311 Vernon Street
Roseville, CA 95678

SPACE ABOVE THIS LINE RESERVED FOR RECORDER'S USE

IRREVOCABLE OFFER OF DEDICATION OF EASEMENT

FOR VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

KV Sierra Vista, LLC a California Limited Liability Company

("GRANTOR"), hereby GRANT(s) to THE CITY OF ROSEVILLE, a municipal corporation, an Irrevocable Offer of Dedication of Easement for the purpose and purposes appurtenant thereto, on, over, under, and across the following described real property in the City of Roseville, County of Placer, State of California:

See Exhibit "A" attached hereto and incorporated herein by reference.

This Irrevocable Offer of Dedication is made pursuant to Section 7050 of the Government Code of the State of California and all or any portion of this Irrevocable Offer of Dedication may be accepted at any time by the City Council of the City of Roseville.

This Irrevocable Offer of Dedication shall convey to the City of Roseville upon its acceptance, a superior right of easement over any facility or facilities located within or under the aforementioned parcel of land. The above-described easement shall be kept open, clear and free from buildings or structures of any kind.

This Irrevocable Offer of Dedication may be terminated and the right to accept such offer abandoned in the same manner as is prescribed for the vacation of streets or highways by Part 3 of Division 9 of the Streets and Highways Code of the State of California.

This Irrevocable Offer of Dedication shall be irrevocable and shall be binding on GRANTOR, its heirs, executors, administrators, successors and assigns.

This Irrevocable Offer of Dedication is being recorded to correct that certain Irrevocable Offer of Dedication of Easement, dated April 13, 2015, as Instrument No. 2015-0064326, Official Records. This correction is in relation to that certain property now owned by KV Sierra Vista LLC, more particularly described in the attached Exhibit A, as to Areas E-2, E-5, E-9, and R-6.

Dated this 10th day of March, 2016.

KV SIERRA VISTA, LLC
a California limited liability company

By:



Name: Chris Vrame

Its: Manager

(Notarization Required)

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 Sacramento) ss.

On March 10, 2016 before me, Kari C Hawkins
Notary Public personally appeared Chris N. Vrame

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 Kari C Hawkins



EXHIBIT "A"

IRREVOCABLE OFFER OF DEDICATION (CITY OF ROSEVILLE EASEMENT)

All that real property situated in the City of Roseville, County of Placer, State of California, as described as follows:

All that portion of the real properties described within those certain Grant Deeds filed for record in Document No.'s 2014-0033001, 2014-0010533 & 2014-0010535, Placer County Records, lying within the Areas described as follows:

Areas E-2, E-5, E-9 and R-6 as said Areas are shown on that Record of Survey filed for record in Book 22 of Surveys, at Page 135, Placer County Records.

Area E-2, E-5, E-9 and R-6 as Electrical, Drainage, Sewer & Water purposes.



COUNCIL COMMUNICATION

CC #: 7625
File #: 0721-05

Title: Harding to Royer Bike Trail Segment 3 Project - Professional Services Agreement Amendment
Contact: Cathy Gosalvez 916-746-1300 cgosalvez@roseville.ca.us

Meeting Date: 5/4/2016
Item #: 7.17.

RECOMMENDATION TO COUNCIL

Staff recommends that City Council approve the First Amendment to the Professional Services Agreement with ICF Jones & Stokes, Inc. for Environmental Permitting Services for the Harding to Royer Bike Trail Segment 3 Project, and authorize the City Manager to execute it on behalf of the City.

BACKGROUND

The Harding Boulevard to Royer Park Bikeway is identified in the Bicycle Master Plan as a priority project. This Class I bikeway is located along the north side of Dry Creek and will connect the Miner's Ravine Bike Trail to Royer Park. Project construction has been phased into three segments due to funding and right-of-way challenges.

Segment 1 provided a Class 1 Bikeway connection from Miner's Ravine Trail at Harding Boulevard to East Street. This segment also included the construction of the Dry Creek Bridge, located immediately to the west of the Harding Boulevard Bridge. Construction of this segment was completed in November 2008.

Segment 2 continued the Class 1 Bikeway from East Street to Folsom Road, providing an important connection between the Miners Ravine Bike Trail and the downtown area. Construction of Segment 2 was completed in November 2010.

Segment 3 will provide a Class 1 Bikeway connection from Folsom Road to the bike trail that was constructed at the rear of relocated Fire Station No. 1 on Lincoln Street. Construction of this segment requires the purchase of additional right of way from three properties and environmental resource permitting. Construction is expected to start in July of 2017 with completion by September 2017.

In July 2015, the City entered into an agreement with ICF for \$16,742 to perform environmental permitting services for Segment 3 of the bike trail project. The original scope of work from ICF assumed that no additional studies would be required to process the National Environmental Policy Act (NEPA) re-validation and that the existing Historic Property Survey Report and Archaeological Survey Report that was prepared for the Harding to Royer Park Bike Trail project

would be adequate. After submitting the NEPA documents to Caltrans for review, Caltrans staff requested additional technical information to cover both biological and cultural resource issues. The City of Roseville – Public Works Department requested and received a supplemental scope of work from ICF for this additional work. The cost of the additional work is \$28,915, bringing the total budget of the amended contract with ICF to \$45,657.

FISCAL IMPACT

The cost of the additional services is \$28,915, bringing the total contract amount to \$45,657. Sufficient funding already exists in the project's budget, so no budget adjustment is necessary. The project is being funded with Transportation Development Act (TDA) funds and Congestion Mitigation and Air Quality (CMAQ) funds. No General Funds are being used for this project.

ECONOMIC DEVELOPMENT / JOBS CREATED

Based on Federal guidelines, there is one job created for every \$92,000.00 in direct government spending. Based on that, this amended contract will generate approximately one third of a job.

ENVIRONMENTAL REVIEW

CEQA compliance for this trail project was achieved in 2004 with certification of the Harding Boulevard to Royer Park Bikeway Project Final EIR (State Clearinghouse No. 2000122078). No further CEQA action is required to implement the project.

Respectfully Submitted,

Cathy Gosalvez, Assistant Engineer

Rhon Herndon, Public Works Director



Rob Jensen, City Manager

ATTACHMENTS:

Description

Resolution No. 16-137

PSA Amendment 1

Bike Trail Exhibit

RESOLUTION NO. 16-137

APPROVING A FIRST AMENDMENT TO PROFESSIONAL SERVICES AGREEMENT
BETWEEN THE CITY OF ROSEVILLE AND ICF JONES & STOKES, INC., AND
AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF
ROSEVILLE

WHEREAS, a first amendment to professional services agreement regarding the Environmental Permitting for Harding to Royer Bike Trail Project, by and between the City of Roseville and ICF Jones & Stokes, 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
PROFESSIONAL SERVICES AGREEMENT**

Project: Environmental Permitting for Harding to Royer Bike Trail

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 ICF Jones & Stokes, Inc., a Delaware 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 July 20, 2015 ("Agreement") regarding Environmental Permitting for Harding to Royer Bike Trail ("Project"); and

WHEREAS, CITY desires to amend the Agreement to include additional services as described in CONSULTANT's letter/proposal dated February 24, 2016, which is attached hereto as Exhibit "A" and incorporated herein by reference; and

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

NOW, THEREFORE, the parties agree as follows:

1. CONSULTANT shall provide additional services as described in Exhibit "A" of this First Amendment to Agreement.
2. Paragraph 2 of the Agreement is amended by adding an additional paragraph to read as follows:

"CITY shall pay twenty-eight thousand, nine hundred fifteen dollars (\$28,915), in consideration of the additional services as set forth in Exhibit "A" to the First Amendment to Agreement. This brings the total not to exceed contract amount to forty-five thousand, six hundred fifty-seven dollars (\$45,657)."

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 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

ICF JONES & STOKES, INC., a
Delaware corporation

BY: _____
ROB JENSEN
City Manager

BY: 
its: Vice President

ATTEST:

and

BY: _____
SONIA OROZCO
City Clerk

BY: 
its: Asst. Secretary

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

APPROVED AS TO FORM:

BY: _____
ROBERT R. SCHMITT
City Attorney

APPROVED AS TO SUBSTANCE:

BY:  _____
RHON HERNDON
Public Works Director

EXHIBIT "A"



February 24, 2016

Ms. Cathy Gosalvez
Alternative Transportation Analyst - Bikeways
Public Works - Alternative Transportation
City of Roseville
401 Vernon St.
Roseville, CA 95678

Subject: Request for an Augmentation to Support Additional Documentation for Segment 3 of the Harding to Royer Bike Trail Project, City of Roseville

Dear Cathy:

ICF Jones & Stokes, Inc. (an ICF International company, herein referred to as ICF) is submitting a request for an augmentation to cover additional permitting efforts, update the cultural resources report, and provide additional Native American coordination in support of the Caltrans NEPA re-validation process for Segment 3 of the Harding to Royer Bike Trail Project. As you are aware, Caltrans (Cara Lambirth, District 3 Environmental Planner) requested a Supplemental Historic Property Survey Report (HPSR)/Archeological Survey Report (ASR), including new Native American consultation, an updated record search, and an updated pedestrian survey. As you requested, we also are providing an optional task to conduct an Extended Phase I Investigation (XPI) for buried cultural resources, if requested by Caltrans.

Our original May 11, 2015 scope of work assumed that Caltrans would determine that no additional studies will be required to process the re-validation and that the existing HPSR/ASR that was prepared for the Harding Boulevard to Royer Park Bike Trail Project would be adequate to support the NEPA re-validation process for Segment 3 of the bike trail.

Scope of Services

As part of this augmentation, ICF will provide the following activities to support Caltrans' request:

- Conduct an updated cultural records search for Segment 3 of the bike trail.

- Support Native American consultation by sending letters to the Native American tribes.
- Prepare an updated Area of Potential Effects (APE) map for Segment 3 of the bike trail and obtain Caltrans' approval of the APE.
- Assemble information gathered during field survey and prepare draft and final versions of a supplemental HPSR/ASR package. This supplemental document will focus on resources found in the APE of Segment 3 of the bike trail.
- Support State Historic Preservation Office (SHPO) consultation.
- Conduct a stem count of the elderberry shrub and provide in a separate memo to Caltrans (per their request).
- Revise maps to showing work area and potential effects, based on direction from CDFW (Angela Calderaro) (as part of the LSAA application request for additional information via telephone).

Optional Task – Cultural Resources Extended Phase I Investigation

Based on the project's proximity to Dry Creek and the presence of known prehistoric archaeological sites in the project region, Caltrans may request a XPI survey to determine if there are any sites in the project's area of potential effects (APE). If requested by Caltrans, ICF will conduct the following tasks to implement the XPI under Caltrans' direction.

Prepare XPI Work Plan (Caltrans XPI Proposal)

ICF archaeologists will prepare an XPI Work Plan to guide the XPI excavations. This document is required by Caltrans per the Standard Environmental Reference (SER) guidelines prior to initiation of fieldwork. The work plan will consist of a summary of the findings of the Archaeological Survey Report, a discussion of any known sites in the vicinity and the archaeological sensitivity of the area. Based on this information, the report will provide recommendations for field methods (including numbers and locations of test excavations), a discussion of decision thresholds, and a plan for Native American involvement. The XPI Work Plan will be sent to the City for review and comments will be incorporated prior to sending it to Caltrans for review and approval.

Conduct XPI Fieldwork

After Caltrans approves and finalizes the XPI Work Plan, ICF will implement field methods and complete archaeological excavations in portions of the project's APE in accordance with the Caltrans-approved XPI Work Plan. It is anticipated that Caltrans will approve the

general scope included here upon which the cost estimate is based. Hand excavation would be used to characterize the sediments and soils in order to determine the presence or absence of and potential for subsurface deposits. We anticipate that this work would be done within one day.

Shovel probe units, approximately 0.50 by 0.50 meters in size, will be excavated at various locations and be situated in order to cover different depths of construction. Shovel probe units will be terminated at 100 centimeters below surface or once a subsurface cultural deposit is identified. All matrix will be passed through a ¼" screen. Auger holes are needed to access older soil horizons that are located deeper than a standard shovel probe unit. Augers will also more easily reach the depths of construction anticipated by project activities.

If artifacts or cultural features are identified they will be mapped, photographed, and described before being reburied. Artifacts will not be collected and we will notify the City immediately (via telephone and email) if unearth any artifacts. Excavation will not continue past the depth needed to characterize the find and excavation will not be extended out from the shovel probes for evaluation purposes. Should human remains be found, work will stop in the vicinity of the find and the archaeological field director will follow the course of action prescribed for the unanticipated discovery of human remains in the XPI Work Plan.

Each shovel probe unit and auger hole will be given a unique field designation and their locations will be recorded using a GPS unit.

Each shovel probe unit will be immediately backfilled upon completion, and no open units will be left unattended. We will make every effort to return the shovel probe areas to original conditions; however, there will be dirt areas remaining at the shovel probe locations.

The associated cost estimate does not include costs for Native American monitors. However, Caltrans (Erin Dwyer, Caltrans District 3 archeologist, via email on May 26, 2015) indicated previously for the Downtown Bridges and Class I Trail Project that Caltrans will cover the costs associated with having one Native American monitor on-site during the XPI. This will need to be confirmed with Caltrans as part of this optional task.

Prepare XPI Report

In accordance with Caltrans' SER guidance, ICF archaeologists will prepare an XPI Report that documents the methods and results of the XPI fieldwork and discussing the conclusions. The XPI Report will be forwarded to the City for review and comments will be incorporated prior to sending the document to Caltrans.

Ms. Cathy Gosalvez
February 24, 2016
Page 4 of 4

If no cultural materials are located within the APE as a result of the XPI fieldwork, the report will describe the negative results and no further work will be necessary. If subsurface components are located it will be necessary to evaluate the resource(s) for eligibility to the National Register of Historic Places NRHP.

Our proposal for providing the additional services (including optional task) described in this proposal is provided in Table 1. ICF will provide these additional services under the terms and conditions of its current contract with the City for Environmental Permitting for Harding to Royer Bike Trail. We look forward to continuing to provide the City with environmental services for this project. If you have any questions related to this scope of services or cost estimate, please contact Sue Bushnell at 916-752-0959 or Susan.Bushnell-Bergfalk@icfi.com.

Sincerely,

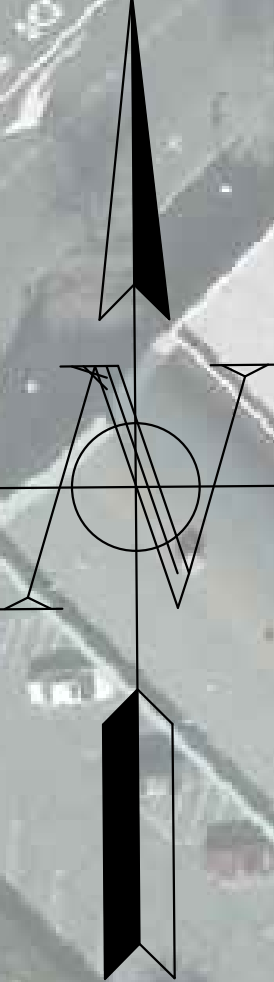


Jodi Young
Contract Manager

Table 1. Cost Estimate for Preparing Supplemental Cultural Resources Documentation for the Harding to Royer Bike Trail Project (Segment 3)

Task	Employee Name	Project Role	Labor Classification	Consulting Staff										Production Staff			Direct Expenses	Total Price
				Bushnell	Sorvall T	Lemon D	Giffen T	Alcala A	Andolina D	Allen E	Angier A			Production Staff	Subtotal	Labor Total		
Prepare Supplemental Cultural Resources Documentation and Consultation Support	Bergfolk S	Project Manager	Assoc Consult II	12	50	50	6							8	\$640	\$15,460		
Conduct VELB Stem Count and Prepare Memo				2				8							\$0	\$1,560		
Revise Impact Map for LSAA				2				6							\$0	\$1,260		
															\$0	\$0		
Optional Task: Cultural Resources XPI				4	24	24	2		24	12	6			6	\$640	\$9,920	\$150	
Total hours				20	74	50	8	14	24	12	6			16				
ICF E&P 2015 Billing Rates				\$180	\$130	\$110	\$110	\$150	\$140	\$100	\$110			\$80				
Subtotals				\$3,600	\$9,620	\$5,500	\$880	\$2,100	\$3,360	\$1,200	\$660			\$1,280	\$1,280	\$28,200		
Direct Expenses																		
523.05 Travel, Auto, incltd, Mileage at current IRS rate (.575/mile)																		
529.00 Other Reimbursable Expenses																		
Mark up on all non-labor costs and subcontractors: 10%																		
Cultural Resources Records Search																		
Direct expense subtotal																		
Total price																		
\$28,915																		

HARDING TO ROYER BIKE TRAIL SEGMENT 3



EXISTING BIKE TRAIL

TREE SERVICE BUSINESS
CURRENTLY ACCESSSES THE
BACK OF BUILDING FROM THIS
SERVICE ROAD OFF OF FOLSOM
ROAD

LINDA DRIVE

EASEMENT NEEDED
FOR ACCESS RD

PROPOSED ACCESS ROAD
THROUGH PUBLIC PARKING
LOT AND PRIVATELY OWNED
PROPERTY

NEW FIRE STATION #1 SITE

LINCOLN AVE.

CITY MUNICIPAL
PARKING LOT

DRY CREEK

BIKE TRAIL TO BE
CONSTRUCTED W/
FIRE STATION GRADING

EXISTING PROPERTY LINES
EXTEND INTO CREEK

PROPOSED
BIKE TRAIL
ON EXISTING
SERVICE ROAD

FOLSOM RD.

L10115



COUNCIL COMMUNICATION

CC #: 7645

File #: 0800-06 & 0800-02

Title: Storm Water Design Manual Update
Contact: Chris Kraft 916-774-5373 ckraft@roseville.ca.us

Meeting Date: 5/4/2016

Item #: 7.18.

RECOMMENDATION TO COUNCIL

It is recommended that the City Council adopt the attached resolution approving the West Placer Storm Water Quality Design Manual and authorize the Development Services Director to approve minor modifications and revisions as may be required in the future.

BACKGROUND

The Clean Water Act of 1987 was amended by the Water Quality Act to formally include storm water runoff. Congress subsequently authorized the U.S. Environmental Agency (EPA) to administer the National Pollutant Discharge Elimination System (NPDES) program and issue storm water permits to municipalities regulating storm water discharges. In California, this authority was delegated by the EPA to the California State Water Resources Control Board (SWRCB) and associated Regional Water Quality Control Boards (RWQCB's).

On February 5, 2013 the State Water Resources Control Board adopted a Statewide General Storm Water Permit (SWP) for all Phase 2 communities (SWRCB Water Quality Order No 2013-001-DWR, NPDES General Permit No. CAS000004, Waste Discharge Requirements for Storm Waste Discharges for Small MS4s). The permit, which is very prescriptive, outlines the compliance requirements for local jurisdictions and the timing for the completion of certain mandates during each year of the 5-year permit term. This term became effective on July 1, 2013. At the July 2, 2014 City Council Meeting, the Council approved and adopted Resolution No. 14-288 authorizing the City Manager to execute a Memorandum of Understanding (MOU) between; City of Roseville, Placer County, Auburn, Rocklin, Lincoln, and Loomis for the shared costs of developing a Storm Water Design Manual for the South Placer Region in compliance with the State of California's General Storm Water Permit.

Over the past year and a half City Staff cooperatively worked with the local jurisdictions of Placer County, the City of Lincoln, the City of Auburn, and the Town of Loomis along with a local Technical Advisory Committee represented by developer interests, engineers, and other professionals to produce a design manual that can be consistently applied within all participating jurisdictions. The draft manual was presented to the public on several occasions starting in July 2015, with outreach to the Building Industry Association (BIA) and the Placer County Conservation Plan (PCCP) stakeholder committee. All of the participating local jurisdictions are preparing resolutions for their respective Boards and Council(s) to adopt the manual in May.

The West Placer Storm Water Quality Design Manual completes our efforts with our local jurisdictional neighbors and fulfills one of the permit requirements by establishing a guidance manual for new and redeveloped properties which includes the use of Low Impact Development (LID) strategies and hydro modification practices that further mitigate the hydrological and water quality effects that land development projects have on storm water. This design manual replaces the current design manual adopted by Council on August 1, 2007 (Resolution 07-432) and provides a standardized format for complete and arcuate analysis that can be used by the development community to meet the intent of the State Permit.

FISCAL IMPACT

There is no impact to the General Fund. The adoption of the West Placer Storm Water Quality Design Manual facilitates development projects and provides guidance in conformance with State Storm Water Mandates. The use of manual by City plan review staff will continue to be paid by development applications on a time and materials basis.

ECONOMIC DEVELOPMENT / JOBS CREATED

The adoption of the West Placer Storm Water Quality Design Manual will not directly create new jobs, but supports current employment levels within the development community.

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 (CEQA Guidelines §15061(b)(3)). Approval of the West Placer Storm Water Quality Design Manual does not include the potential for a significant environmental effect, and therefore is not subject to CEQA.

Respectfully Submitted,

Chris Kraft, Engineering Manager

Kevin Payne, Development Services Director



Rob Jensen, City Manager

ATTACHMENTS:

Description

Resolution No. 16-152

West Placer Storm Water Design Manual

RESOLUTION NO. 16-152

ADOPTING THE WEST PLACER STORM WATER QUALITY DESIGN MANUAL

WHEREAS, on February 5, 2013, the State Water Resources Control Board adopted a Statewide General Storm Water Permit (SWP) for all Phase 2 communities, outlining compliance requirements and timing of completion; and

WHEREAS, on July 2, 2014 City Council authorized the City Manager to execute a Memorandum of Understanding (MOU) between the City of Roseville, Placer County, the City of Auburn, the City of Rocklin, the City of Lincoln and the Town of Loomis; and

WHEREAS, staff has worked with these local agencies along with a local Technical Advisory Committee to produce a design manual to be consistently applied within all participating jurisdictions; and

WHEREAS, the West Placer Storm Water Quality Design Manual is to be adopted by each of the participating agencies; and

WHEREAS, the draft manual, for all new development and redevelopment projects within the City, has been presented to the public on several occasions starting in July 2015; and

WHEREAS, the West Placer Storm Water Quality Design Manual, has been reviewed by the City Council; and

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Roseville that said West Placer Storm Water Quality Design Manual is hereby adopted on behalf of the City of Roseville; and

BE IT FURTHER RESOLVED, that the Development Services Director is hereby authorized to approve any future minor modifications and revisions to the West Placer Storm Water Quality Design manual 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

West Placer

Storm Water Quality Design Manual



April 2016

Acknowledgements

Project Sponsors and Funding

Preparation of this document was funded in part from the Cooperative Endangered Species Conservation Fund (Section 6) Planning Grants administered by the California Department of Fish and Wildlife through Agreement No. P1382019. The Agreement is for several work products including this document. Additional funding and in-kind services were provided by the County of Placer, the City of Roseville, the City of Auburn, the City of Lincoln, and the Town of Loomis. In-kind services were provided by the Technical Advisory Committee members. Paid consultants were cbec eco engineering, inc., and CDM Smith.

Steering Committee

Jennifer Byous, Placer County	Jennifer Hanson, City of Lincoln
Rebecca Taber, P.E., Placer County	Gorman Lau, P.E., Larry Walker Associates, representing City of Lincoln
Mary Keller, P.E., CFM, QSD, Placer County	Brit Snipes, Town of Loomis
Candace Rousselet, Placer County	Bernie Schroeder, City of Auburn
Chris Kraft, P.E., City of Roseville	Edgar Medina, City of Auburn

Technical Advisory Committee

Jack Paddon, Williams and Paddon Architects + Planners, Inc.	Harvey Oslick, Wood Rogers, Inc.
Craig Seltenrich, Dudek	Thomas Plummer, Civil Engineering Solutions, Inc.
Ryan O'Keefe, West Park Communities	Steve Fuhrman, Fuhrman Leamy Land Group
Gregg Bates, Dry Creek Conservancy	Ron Enz, McKay & Soms
Ron Wood RFE Engineering, Inc.	

Consultant Team

cbec eco engineering, inc.	CDM Smith
Chris Bowles, PhD, P.E., Melanie Carr, M.S., P.E., Scott Walls, MLA.EP	Stefan Schuster, P.E. Steven Wolosoff, BCES Russell Vadenais, P.E. Nola Mitchell, EIT

Questions or comments about the Manual should be directed to local jurisdiction storm water program staff in the jurisdictional agency where the proposed project is located.

Web Site (download Manual here):

<http://www.placer.ca.gov/lowimpactdevelopment>

Disclaimer

The contents of this Manual do not necessarily represent the policies of the supporting agencies as identified on the cover page. Although every reasonable effort has been made to ensure the integrity of the document, the supporting agencies do not make any warranty or representation, expressed or implied, with respect to the accuracy or completeness of the information contained herein.

The storm water controls described herein are intended to meet the minimum standard of “reducing the discharge of pollutants from their MS4s to waters of the U.S. to the maximum extent practicable” as required the State Water Resources Control Board Water Quality Order No. 2013-001-DWQ National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000004 Waste Discharge Requirements for Storm Water Discharges from Small MS4s. Other permit requirements may apply and it is the responsibility of the project owner to ensure compliance with all applicable regulations.

Mention of trade names or commercial products does not constitute endorsement or recommendation of those products.

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Appendix B	Site Design Measures Fact Sheets
Appendix C	Source Control Measures Selection Table
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Chapter 1

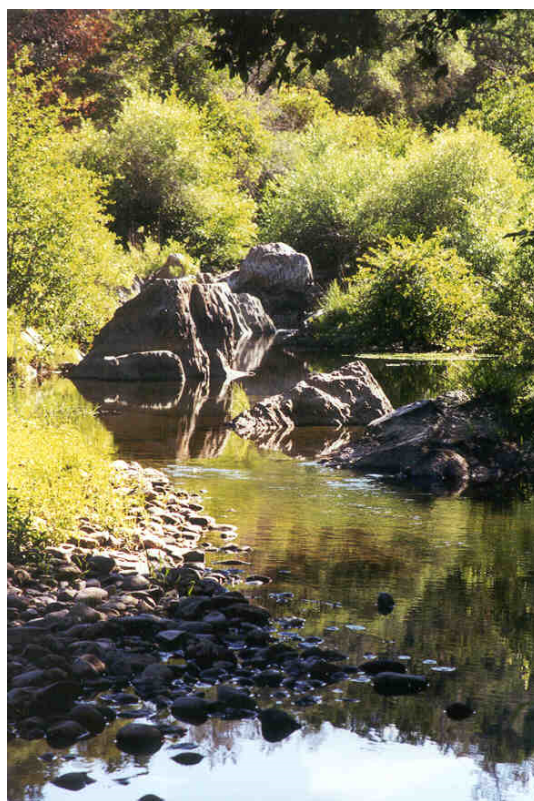
Introduction

This Storm Water Quality Design Manual (Manual) has been developed cooperatively between Placer County, the City of Roseville, the City of Lincoln, the City of Auburn, and the Town of Loomis to provide a consistent approach to address storm water management within the West Placer region. For the purposes of this Manual, the West Placer region refers to the areas of Placer County subject to the requirements of this Manual as described in Chapter 2.

As development transforms undeveloped lands with impervious surfaces such as pavement, concrete, buildings, or even compacted soils, the natural infiltration of rainfall into the soil and absorption of rainfall by vegetation is inhibited. This reduction of natural retention of rainfall increases the frequency and intensity of surface runoff which can mobilize and transport sediment and pollutants into our lakes, streams and wetlands. The resulting changes in runoff patterns can also disrupt natural streams through a process known as hydromodification, causing impacts such as increased channel erosion, flooding, loss of habitat, and damage to aquatic ecosystems.

The State of California, together with local municipalities, have developed storm water management strategies to address the adverse effects of development by implementing regulations and storm water management programs to preserve our waterways and natural hydrologic processes. Storm water permits across the country now include requirements for low impact development (LID) strategies that focus on preserving key elements of a project site's pre-development hydrologic function.

LID is a design strategy where storm water runoff is treated as a valuable resource that can recharge groundwater supplies, protect and enhance natural habitat and biodiversity, and add value to new development or redevelopment projects. Rather than discharging storm water runoff as a waste product, projects are designed to include a diverse set of



Hydrologic changes caused by development can damage our natural waterways.
Photo Credit – Placer County

post-construction storm water controls, or Best Management Practices (BMPs) that infiltrate, evapotranspire, or biotreat storm water runoff. By retaining storm water runoff on-site, downstream receiving waters are provided with protection from increased pollutant loads and alterations of hydrologic functions otherwise impacted by increased impervious surfaces and human activities. By protecting receiving waters, LID strategies help maintain beneficial uses of these resources including potable water sources, recreational uses and fisheries. LID can also add value to new development and redevelopment by integrating storm water management features with landscaping and other improvements rather than the more traditional approach of constructing drainage impact mitigation measures (e.g., detention basins) as disconnected, often fenced off, features.

The intent of this Manual is to promote the following LID goals:

- Minimize adverse impacts of storm water runoff on water quality, biological integrity of receiving waters, and beneficial uses of water bodies.
- Minimize the percentage of impervious surfaces on land development projects and implement mitigation measures to approximately preserve the overall pre-development water balance through infiltration, evapotranspiration, and capture and use of storm water.
- Minimize pollutant loadings from impervious surfaces such as roof tops, parking lots, and roadways through the use of properly designed, technically appropriate storm water controls, including source control measures or good housekeeping practices, LID planning and design strategies, and treatment control BMPs.
- Guide proper selection, design and maintenance of storm water BMPs to address pollutants generated by land development, minimize post-development surface flows and velocities, assure long-term functionality of BMPs, and avoid vector breeding.



By directing storm water to natural or landscaped areas, rather than efficiently conveying it to the nearest water body, we protect our natural water resources.

Photo Credit – Greg Bates

1.1 Regulatory Background

Local storm water regulations originate from federal regulations that began in 1987 when the Clean Water Act (CWA) was amended by the Water Quality Act to formally

include storm water runoff. Congress subsequently authorized the U.S. Environmental Protection Agency (EPA) to administer the National Pollutant Discharge Elimination System (NPDES) program and issue storm water permits to municipalities regulating storm water discharges. In California, this authority was delegated from EPA to the California State Water Resources Control Board (SWRCB) and associated Regional Water Quality Control Boards (RWQCBs).

In addition to storm water regulations, RWQCBs certify that permits under Section 404 of the CWA issued by the U.S. Army Corps of Engineers (Corps) meet state water quality requirements pursuant to Section 401 of the CWA. The 401 certification program provides for protection of the physical, chemical, and biological integrity of waters. Also, pursuant to the Porter-Cologne Water Quality Act, adopted by the state, RWQCBs also regulate activities that impact “Waters of the State,” which include certain wetlands and waters not regulated by the Corps.

The Central Valley RWQCB (CVRWQCB) is responsible for issuing NPDES permits and 401 certifications in the West Placer region. NPDES Municipal Separate Storm Sewer System (MS4) Permits require municipalities to implement a variety of programs to prevent pollution, improve and protect storm water quality, reduce storm water runoff, and enhance the ecologic vitality of local creeks and waterways. MS4 Permits also require that municipalities regulate new development and redevelopment projects within their jurisdiction.

1.2 Purpose of this Manual

This Manual provides guidance for projects that are required to comply with CWA regulations and presents LID design standards to reduce runoff, treat storm water, and provide baseline hydromodification management. This Manual is a regulatory compliance tool that addresses the requirements of the SWRCB Water Quality Order No. 2013-001-DWQ, NPDES General Permit No. CAS000004, Waste Discharge Requirements for Storm Water Discharges from Small MS4s (Phase II MS4 Permit).

Consistent with the CWA and the Phase II MS4 Permit, this Manual requires storm water controls to reduce pollutants to the maximum extent practicable (MEP). The MEP standard is an ever-evolving, flexible, and advancing concept, which considers technical and economic feasibility. Interpretation of the MEP standard will be by the jurisdictional agency that has discretion over the project.

The process of developing a Storm Water Quality Plan (SWQP) for new and redevelopment projects is outlined in this Manual and a SWQP Template is provided in Appendix A. The SWQP documents a project’s compliance with the Phase II MS4 Permit and provides a standardized format for complete and accurate analyses which will result in more efficient design, review, and project approval.

The following websites are available to view additional information regarding each jurisdiction’s storm water program activities:

www.placer.ca.gov/stormwater

www.roseville.ca.us/stormwater

The reader is encouraged to review Section E.12 - Post Construction Storm Water Management Program of the Phase II MS4 Permit which can be found at the following website:

http://www.waterboards.ca.gov/water_issues/programs/stormwater/phase_ii_municipal.shtml

In addition to the Phase II MS4 Permit, this Manual addresses requirements under Placer County Aquatic Resources Program (CARP). The CARP is currently under development and, once the program is approved, this Manual will be updated to incorporate guidance for using LID strategies to minimize impact to aquatic resources. The reader is encouraged to review the draft CARP document, which can be found at the following website:

<http://www.placer.ca.gov/~media/cdr/Planning/PCCP/PolicyDoc2011/Appendix%20M.pdf>

1.3 Use of Outside References.

Throughout this Manual, several website references are made to assist the designer with the SWQP development. The following websites provide certain baseline information that is applicable to the understanding and development of the plan:

- Placer County Stormwater Management Manual (SWMM)
<http://www.placer.ca.gov/~media/dpw/flood%20control/documents/Swmm2004.pdf>
- Placer County Planning Division
<http://www.placer.ca.gov/Departments/CommunityDevelopment/Planning.aspx>
- Natural Resources Conservation Service Web Soil Survey
<http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm>
- Natural Resources Conservation Service TR-55 Manual
<http://www.hydrocad.net/pdf/TR-55%20Manual.pdf>
- California State Water Resources Control Board Database of Registered Contaminated Sites
SWRCB: <http://geotracker.waterboards.ca.gov/>
- U.S. EPA Brownfields Information
EPA Brownfield: <http://www.epa.gov/brownfields>

- CA Department of Toxic Substances Control Former Brownfields and Agricultural Sites
<http://www.dtsc.ca.gov/SiteCleanup/Brownfields/>
http://www.dtsc.ca.gov/SiteCleanup/Cortese_List.cfm
- California Stormwater Quality Association
www.casqa.org/resources/bmp-handbooks/
- California State Water Resources Control Board Impaired Water Bodies Information
www.waterboards.ca.gov/water_issues/programs/water_quality_assessment/#impaired

1.4 How This Manual Relates to Other Requirements

This Manual is intended to satisfy the specific requirements of the Phase II MS4 Permit and CARP, as discussed above. Additional design requirements imposed by other regulations and permits, such as construction and industrial permits, local grading ordinances, CAL Green, California Environmental Quality Act (CEQA), and hydraulic design for flood control, still apply as appropriate. The governing agencies overseeing these regulations may, at their discretion, determine that designs in accordance with this Manual satisfies another requirement. Additionally, coverage under another regulation may trigger the requirement to design in accordance with this Manual. Please check with the local governing agency for specific requirements.

1.5 Manual Revision Process

It is recognized that LID is an emerging field, and that while every effort has been made to ensure that this Manual is complete and accurate, revisions and/or amendments may be necessary. In addition, the Phase II MS4 Permit and CARP are on a 5-year reissuance cycle, which may trigger required updates to this Manual. It is anticipated that Manual revisions will generally coincide with Phase II MS4 Permit revisions following a 5-year revision schedule. The current Phase II MS4 Permit expires in June 2018.

Administrative revisions to improve permit processing and correct problems outside of the next scheduled Phase II MS4 Permit revision shall be authorized cooperatively by the participating jurisdictions' Directors (or their designee responsible for Storm Water compliance). These jurisdiction include the County of Placer, the City of Roseville, the City of Lincoln, the City of Auburn, and the Town of Loomis.

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Chapter 2

Projects Subject to Requirements

The post-construction storm water control requirements described herein apply to new development and redevelopment projects approved after July 1, 2015. These requirements vary depending on the project's location and the amount of impervious surface that is being created. This chapter introduces a categorization process to define the project type and then determine the corresponding storm water requirements.

2.1 Project Location

The Phase II MS4 Permit compliance boundary defines the areas that are subject to the requirements of this Manual. The boundary encompasses the urbanized areas of western Placer County and projects within this boundary (except the City of Rocklin), as well as major planning project areas under review by the participating jurisdictional agencies. Projects located outside of the Phase II MS4 Permit compliance boundary and planning project areas, but within the CARP compliance boundary will be addressed in a future revision to this Manual upon adoption of the CARP. Projects located outside of the Phase II MS4 Permit, CARP, and planning project area boundaries are not subject to the requirements of this Manual, but may be subject to other post-construction storm water requirements (e.g., construction general permit, industrial general permit). The Phase II MS4 Permit and planning project areas are presented in Figure 2-1 and the CARP compliance areas are presented in Figure 2-2. The union of these areas plus any major planning project areas defines the West Placer region for the purposes of this Manual.

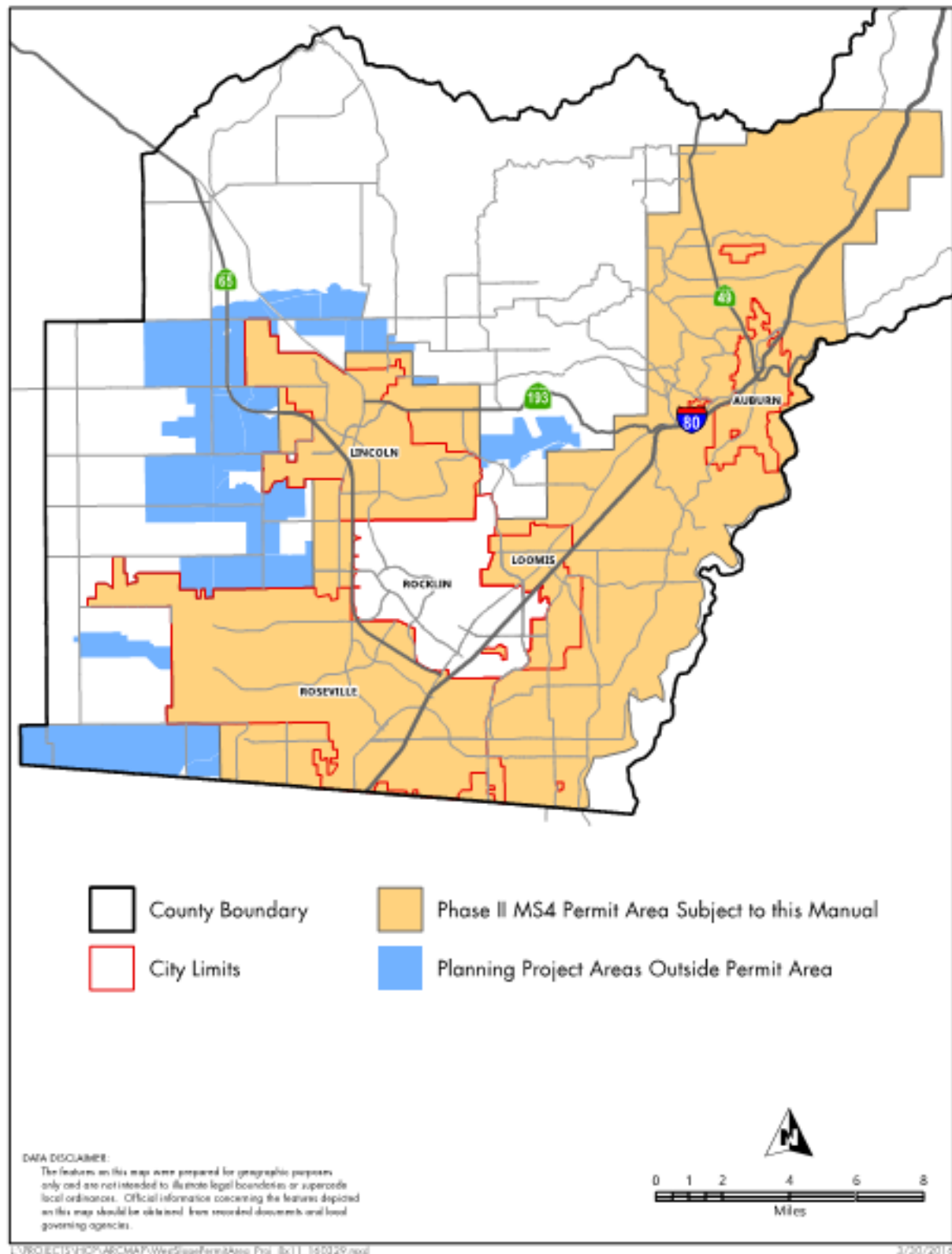


Figure 2-1
Phase II MS4 Permit Regulatory Boundaries

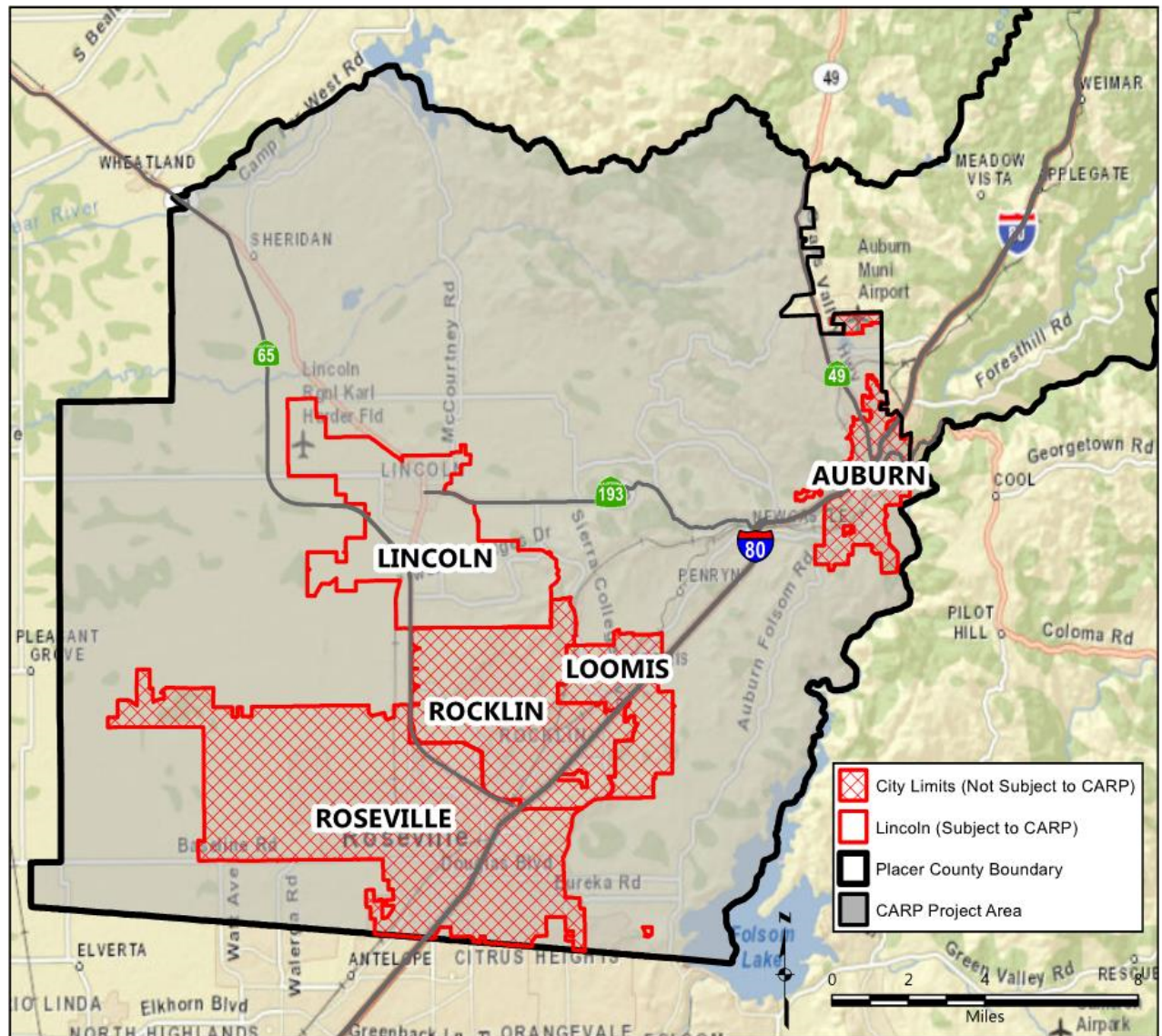
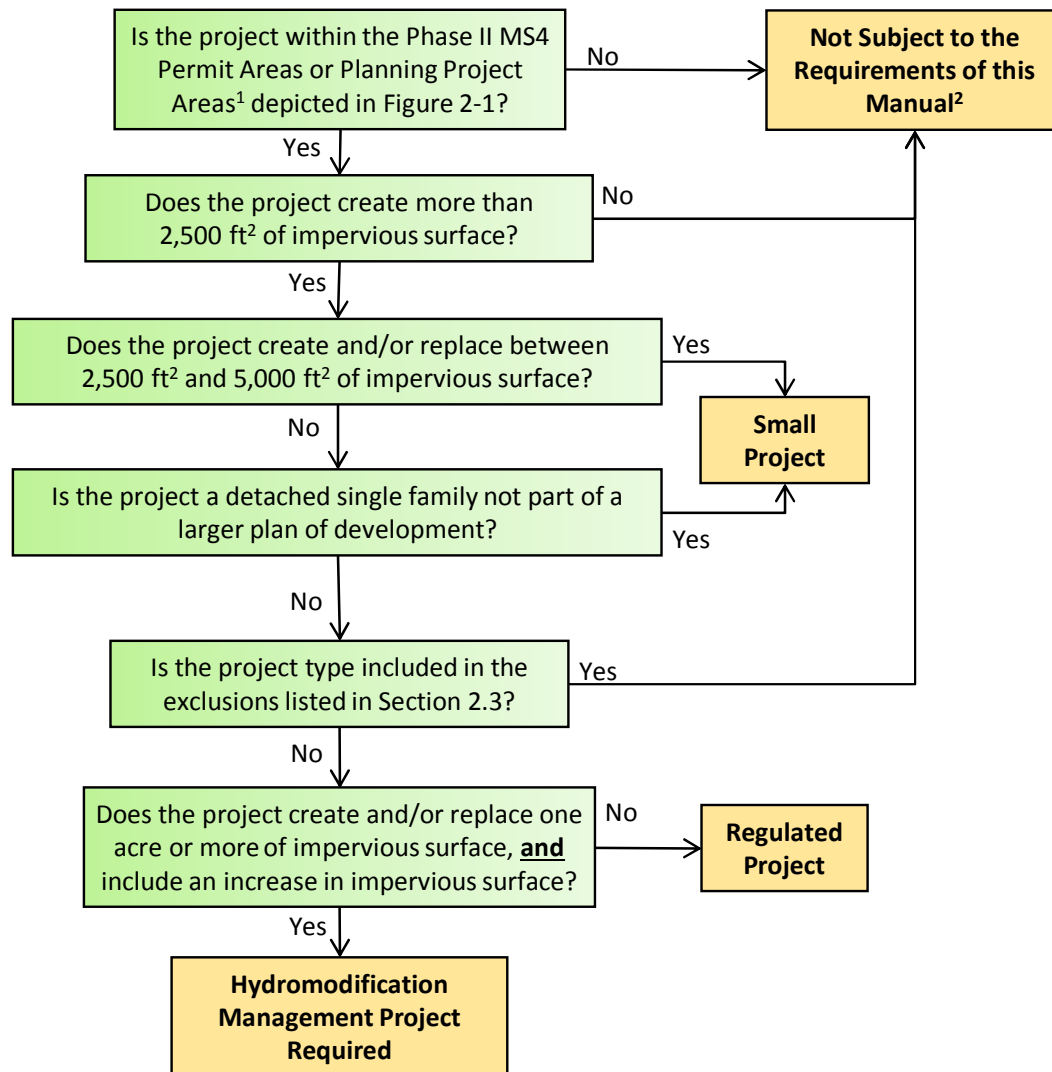


Figure 2-2
CARP Regulatory Boundaries

2.2 Project Categorization

The distinction between Small Projects and Regulated Projects is based on the amount of impervious surface that is created or replaced. The decision tree, below, may be used to assist in determining the project category.



1. Future planning projects not shown on Figure 2-1 may be subject to this Manual as determined by the jurisdictional agency.

2. Projects located within the CARP Boundary in Figure 2-2 may be subject to future requirements upon adoption of the CARP. Other SWRCB General Orders (e.g., Construction General Permit, Industrial General Permit) may apply to a project.

Figure 2-3
Project Category Decision Tree

The definitions of the project categories and a summary of the associated storm water requirements are presented in Table 2-1. Supplemental information for special case Regulated Projects is presented in Table 2-2.

Table 2-1 Project Categories

Project Category	Definition	Post-Construction Requirements	Reference for Additional Information
Small Projects	All projects that create and/or replace (including projects with no net increase in impervious footprint) more than 2,500 and up to 5,000 square feet of impervious surface, including detached single family homes that create and/or replace 2,500 square feet or more of impervious surface and are not part of a larger plan of development.	Minimum of one Site Design Measure	Section 4.1
Regulated Projects	All projects that create and/or replace 5,000 square feet or more of impervious surface. Includes new development and redevelopment projects on public or private land that fall under the planning and permitting authority of the jurisdictional agency.	Site Assessment and Layout to optimize for capture and treatment of storm water	Chapter 3
		Source Control Measures	Section 4.2.2
		Site Design Measures to the extent technically feasible	Section 4.2.3
		Storm Water Treatment and Baseline Hydromodification Measures	Section 4.2.4
		Operations and Maintenance Plan	Section 5.1

Table 2-2 Special Case Regulated Projects

Project Category	Definition	Post-Construction Requirements
Regulated Redevelopment Projects	Any land-disturbing activity that results in the creation, addition, or replacement of 5,000 square feet or more exterior impervious surface area on a site on which some past development has occurred.	Where a redevelopment project results in an increase equal to or greater than 50 percent of the impervious surface of a previously existing development, runoff from the entire project, consisting of all existing, new, and/or replaced impervious surfaces, must be treated per the requirements for Regulated Projects to the extent feasible.
		Where a redevelopment project results in an increase of less than 50 percent of the impervious surface of a previously existing development, only runoff from the new and/or replaced impervious surface, must be treated per the requirements for Regulated Projects.
Regulated Road Projects and Regulated Linear Underground/Overhead Projects (LUPs)	Any of the following types of projects that create 5,000 square feet or more of newly constructed contiguous impervious surface and that are public road projects and/or fall under the building and planning authority of a Permittee: 1. New streets or roads, including sidewalks and bicycle lanes built as part of the new streets or roads. 2. Widening of existing streets or roads with additional traffic lanes. 3. LUPs	▪ Infiltrate impervious surface runoff onsite from the post-construction 85th percentile 24-hour storm event. ▪ Treatment of runoff that cannot be infiltrated onsite shall follow U.S. EPA guidance regarding green infrastructure to the extent feasible (EPA, 2008). ▪ Where the addition of traffic lanes results in an alteration of equal to or greater than 50 percent of the impervious surface of an existing street or road, runoff from the entire project, consisting of all existing, new, and/or replaced impervious surfaces, must be included in the treatment system design. ▪ Where the addition of traffic lanes results in an alteration of less than 50 percent of the impervious surface of an existing street or road, only runoff from the new, and/or replaced impervious surface must be included in the treatment system design.

Table 2-2 Special Case Regulated Projects

Project Category	Definition	Post-Construction Requirements
Hydromodification Management Projects	Regulated Projects that create and/or replace one acre or more of impervious surface. Projects that do not increase impervious surface area over the pre-project condition are not Hydromodification Management Projects.	Same as for Regulated Projects plus: ▪ Post project runoff shall not exceed estimated pre-project flow rate for the 2-year, 24-hour storm.

2.3 Exclusions

Projects located outside of the West Placer region (Figures 2-1 and 2-2) and projects that create and/or replace less than 2,500 square feet of impervious surface are excluded from the requirements of this Manual. The following additional specific project cases are also excluded:

- Interior remodels;
- Routine maintenance and repair activities that are conducted to maintain original line and grade, hydraulic capacity, and original purpose of facility such as: exterior wall surface replacement, reroofing, and pavement resurfacing within the existing footprint;
- Sidewalks and bicycle lanes built as part of new streets or roads and built to direct storm water runoff to adjacent vegetated areas;
- Impervious trails built to direct storm water runoff to adjacent vegetated areas, or other non-erodible permeable areas, preferably away from creeks or towards the outboard side of levees;
- Sidewalks, bicycle lanes, or trails constructed with permeable surfaces;
- Trenching, excavation and resurfacing associated with LUPs, unless the LUP has a discrete location that has 5,000 square feet of more of newly constructed contiguous impervious surface.
- Pavement grinding, surface treatments, and repaving and/or resurfacing of existing roadways and parking lots;
- Construction of new sidewalks, pedestrian ramps, or bike lanes on existing roadways;

- Emergency redevelopment activities required to protect public health and safety; and,
- Routine replacement of damaged pavement such as pothole repair or replacement of short, non-contiguous sections of roadway.

2.4 Project Submittal and Approval Process

Once it is determined that a project is required to incorporate post-construction storm water controls in accordance with this Manual, a Preliminary SWQP is required to be developed and submitted as part of the project entitlement application package and entitlement approval process, followed by a Final SWQP prior to the approval of construction plans/improvement plans or the issuance of a building permit.

The flowchart in Figure 2-4 provides an overview of the SWQP development and submittal process. Each step is summarized below and then described in further detail in the applicable chapters that follow. This process is similar for Small and Regulated Projects; although the SWQP submittal for Small Projects is simpler.

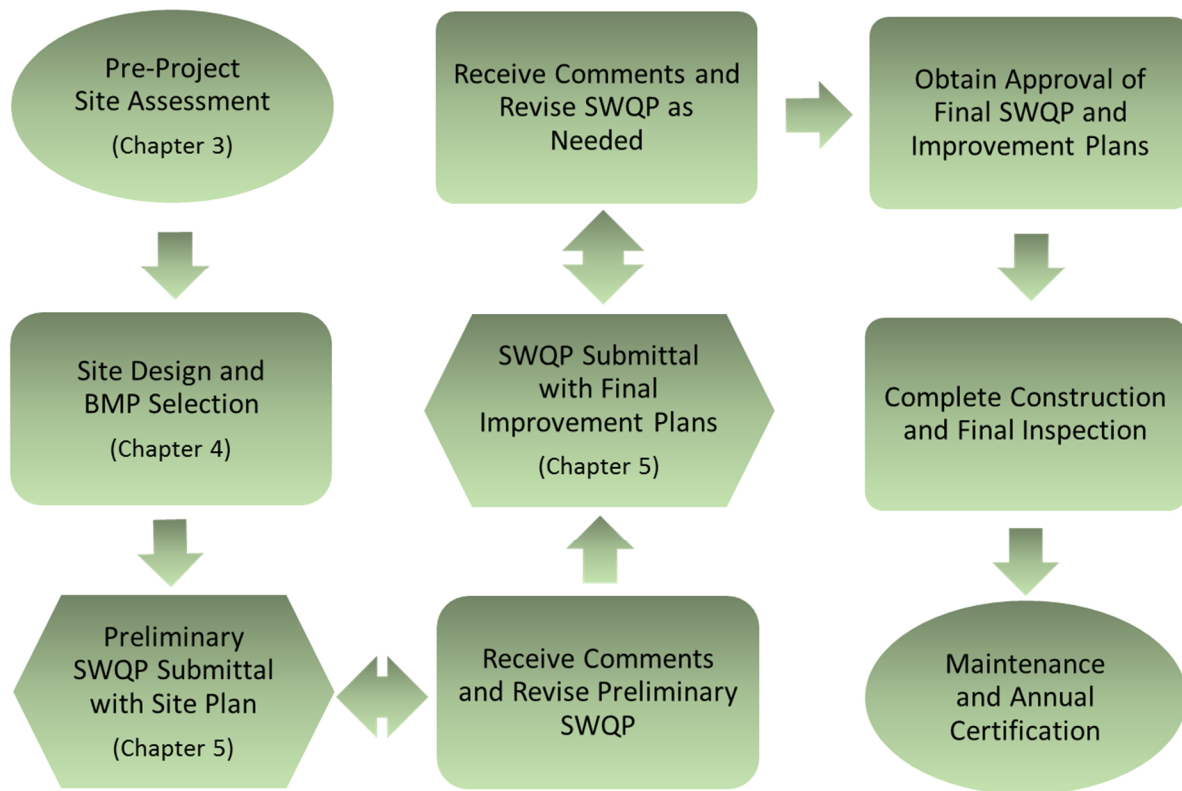


Figure 2-4
SWQP Development and Submittal Process

Detailed guidance for developing a SWQP is provided in the following sections and by using the electronic SWQP Template provided in Appendix A. The SWQP must be

submitted as a Preliminary and Final document. The Preliminary SWQP is submitted with the Entitlement Application Package for Tentative Map (or equivalent) while the Final SWQP is submitted with the Final Improvement Plans and Building Permit Application Package (or equivalent). Both the Preliminary and Final SWQP submittals must include all of the forms in the template as required for the determined project category.

The Preliminary SWQP contains a site plan identifying selected BMPs, their locations, tributary drainage areas, preliminary sizing calculations, and preliminary inspection and maintenance documentation.

The Final SWQP includes the Final Improvement Plans showing all BMPs and necessary design details on the appropriate sheets. The BMP Checklist from the SWQP Template must be included on the cover sheet of the Final Improvement Plans. The Final SWQP also includes final sizing calculations, inspection and maintenance schedules and procedures, identification of responsible parties, and all required signatures. The Final SWQP serves as the Project Maintenance Agreement between the owner and the permitting jurisdictional agency and provides permission to access for jurisdictional agency staff to conduct BMP inspections.

SWQP preparation consists of systematically collecting and documenting project specific information that includes the following key components.

General Project Information – Documentation of permitting jurisdictional agency, project name and other identifying information.

Responsible Parties – Project owner and engineer certifications of responsibility and Permission to Access.

Site Assessment – Documentation of existing site conditions and storm water quality management opportunities and constraints. Detailed information on conducting an LID-based site assessment and developing a site layout that supports the retention of storm water runoff on-site is provided in Section 3.

Design Documentation – Project plans showing the location and size of storm water management measures and sizing calculations. Detailed information on the selection of source control measures, site design measures, and storm water treatment and baseline hydromodification measures is provided in Section 4. Design guidance is provided in the SWQP Template (Appendix A) and the BMP Fact Sheets (Appendix B).

Operations and Maintenance (O&M) Documentation – O&M Plan listing BMP-specific inspection and O&M requirements. See the BMP Fact Sheets in Appendix B for guidance on O&M requirements.

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Chapter 3

Pre-Project Site Assessment

During the early planning stages of any project, a thorough site assessment can provide valuable information for planning the layout of site improvements. Developing a site layout considering storm water management to the extent feasible can provide substantial reductions in cost and improve the effectiveness of the project's storm water control measures. Consideration of terrain, required buffer areas, and other natural features can lead to efficient location of BMPs. Additionally, a site layout that keeps clean flows separated from contaminated flows can reduce the need for, and size of, downstream treatment controls. To the extent feasible, projects can be configured to direct storm water runoff from impervious surfaces to landscaped or natural areas, rather than to convey it directly to a discharge location, which may require a structural BMP.

3.1 Site Assessment

A site assessment must be completed for all Regulated Projects and considered for Small Projects during the earliest stages of project planning to appropriately plan the site layout for the capture and treatment of storm water runoff. The incorporation of storm water features is more effective, and often less costly, when site conditions such as soils, vegetation, and drainage characteristics are considered when determining the placement of buildings, paved areas, drainage facilities and other improvements. Site assessments consist of collecting and evaluating data from a variety of sources including, but not limited to, surveys, topographic maps, geotechnical investigations, groundwater records, and site-specific measurements and field observations. The site assessment should evaluate the following key site characteristics:

- Soil, Geologic, and Groundwater Characteristics;
- Topography, Hydrology, and Drainage Characteristics;
- Existing Vegetation and Natural Areas;



A careful evaluation of a site's pre-developed condition is key to minimizing the impacts of development.

Photo Credit – Placer County

- Contaminated Soil or Groundwater;
- Existing Improvements and Easements; and.
- Opportunities and constraints for preserving or enhancing existing natural resources.

The subsections below provide reference information and guidance for evaluating each key site characteristics and incorporating the results into the layout of improvements and the development of a site plan.

3.1.1 Soil, Geologic, and Groundwater Characteristics

Soil and geologic characteristics and information are necessary for determining the feasibility of infiltrating storm water runoff on a site and will assist in identifying appropriate locations for proposed improvements and the required storm water management measures. Where feasible, buildings, pavement, and other impervious surfaces should be located in areas where soils have lower infiltration rates while infiltration facilities should be installed in more permeable soil areas where there is an average separation of 10 feet between the bottom elevation of the infiltrating BMP and the groundwater surface elevation. At no time shall the separation between the bottom elevation of the infiltrating BMP and the seasonal high groundwater surface elevation be less than 5 feet.

Some information regarding soil types and their potential suitability for infiltrating storm water can be obtained from the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey (WSS) at the following website:

<http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm>

Soils are categorized into one of four Hydrologic Soil Groups (HSGs) A, B, C or D based on their capacity to percolate water. Type A soils are well drained and highly permeable, while Type D soils consist of low permeability materials such as clays that infiltrate water very slowly. A soils map illustrating the HSGs and their general locations in West Placer region is provided in Figure 3-1. As shown, much of the region's soils are classified as Types C and D indicating high clay content with slow to very slow infiltration rates. Although not ideal for infiltration, LID measures can still be implemented effectively on sites with HSG C and D soils as long as these constraints are considered during the design process. Ideally, site designs allow infiltration to occur to the maximum extent that the native soil will accept and allow for the safe bypass of overflows. In some cases, native soils can be amended to increase their storage and infiltration capacity by mixing organic mulches and/or sandy materials with the less permeable native soils. Additional information on the use of soil amendments is provided in the Fact Sheet SDM-2 in Appendix B.

The WSS provides planning level information such as soil type, HSG, typical infiltration rates, saturated hydraulic conductivity, typical depth to restrictive layers, and typical

depth to groundwater. The Placer County Stormwater Management Manual¹ (SWMM) (Placer County, 1994) provides additional guidance in determining soil infiltration rates based on the HSG and the type and condition of ground cover. This information may be used for pre-project runoff calculations, but a site-specific geotechnical evaluation is recommended to obtain more accurate soil characteristics and infiltration rates for the design of infiltration facilities. It should be noted that saturated hydraulic conductivity can be used for designing infiltration facilities, but a site specific infiltration rate measurement of soils underlying the infiltration facilities is strongly recommended for final design.

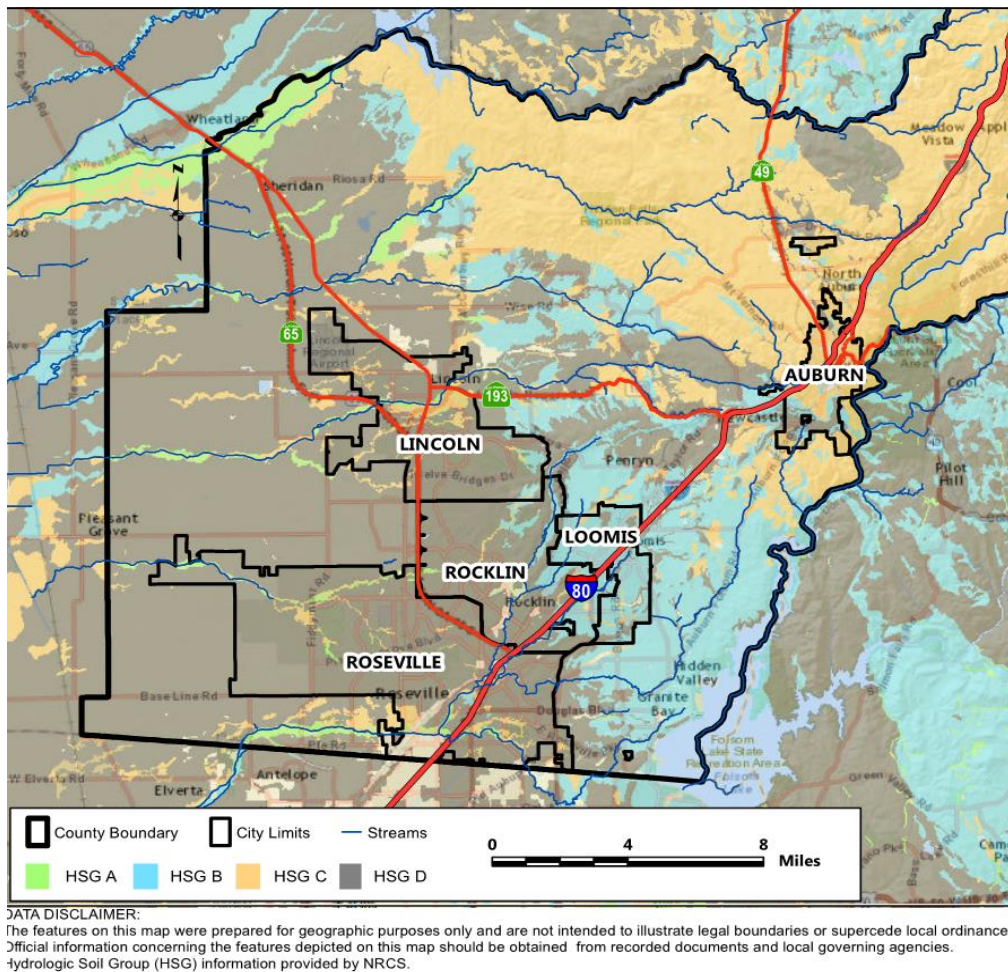


Figure 3-1
NRCS Hydrologic Soil Groups

¹ The Placer County Stormwater Management Manual is available for download at:

<http://www.placer.ca.gov/~media/dpw/flood%20control/documents/Swmm2004.pdf>

A site-specific geotechnical investigation should be conducted under the guidance of a licensed geotechnical, soils, or civil engineer and include digging test pits and conducting infiltration rate measurements in locations where infiltration-based BMPs may be located. Test pits will help confirm the types of soils present onsite, identify soil layers that may impede infiltration, and locate the depth to seasonally high groundwater. Testing should be performed at the soil surface as well as the approximate bottom depth of the infiltration BMP to determine appropriate infiltration rates for design. The infiltration measurement methodology must be selected by an appropriately licensed engineer and applied in a manner that adjusts for the relative influence of sidewall flow in the test configuration to the effectiveness of the sidewall flow in the proposed BMP configuration. The potential for long-term degradation of the infiltration rate and the ability to monitor performance and rehabilitate facilities must also be considered. In many cases, the design rate will be no more than one-half of the adjusted measured rate.

The geological assessment must also evaluate a site's susceptibility to landslides. Landslides occur when the stability of a slope changes from a stable to an unstable condition due to natural and/or anthropogenic causes. Soil saturation is a primary cause of landslides, and infiltration should be limited in areas of high landslide risk, especially when downhill structures, roads, and infrastructure are at risk of being damaged. LID design in areas prone to landslides, especially those that utilize infiltration, should be carefully considered and must be prepared by a licensed civil or geotechnical engineer.

3.1.2 Topography, Hydrology, and Drainage Characteristics

Site topography, hydrology, and drainage characteristics are also critical factors in developing an appropriate site layout for LID implementation. Clearing, grading, and building should be avoided on slopes greater than 25 percent, and, as discussed above, steep slopes and landslide-prone areas are not recommended for infiltration facilities. The design of storm water conveyance and treatment measures relies on existing, or constructed, grades to direct runoff to the desired locations and provide adequate hydraulic head (pressure) to drive flows through treatment measures.

The topography of upstream and downstream sites should be considered for any potential contribution to the total runoff generated during a storm event. Designing effective LID into new or existing sites requires a careful analysis of the topography and how and where storm water runoff will concentrate and flow. Site assessment of the pre-developed site during a storm event is highly recommended to observe and map areas of natural infiltration, concentration, flow, and offsite discharge points.

For previously developed sites, record, or as-built, drawings should be reviewed if available. In the event that topographic data does not already exist for the site or the accuracy of available data is inadequate, a professional topographic survey should be performed prior to proceeding with project design. The survey should produce a detailed topographic base map of the site with contour lines for each foot of elevation change. The survey should also identify the location and elevation of any existing improvements,

utilities, and storm water structures (e.g. curb and gutter, swales, catch basins, storm drain pipe inverts, outfalls). This base map provides the starting point in the development of the site plan.

Hydrologic and drainage characteristics of the site should be identified and assessed including:

- **Onsite streams and water bodies:** Streams and water bodies should be delineated for the project site to locate setbacks and buffer zones. The presence and extent of receiving waters, wetlands, environmentally sensitive areas (ESAs), and impaired water bodies on the 303(d) list or with established Total Maximum Daily Loads (TMDLs) should be clearly defined (see the SWRCB website below for identification of pertinent water bodies).

www.waterboards.ca.gov/water_issues/programs/water_quality_assessment

- **Floodplains and drainage hazards:** Floodplains on the site should be delineated to identify areas where significant flooding may occur. LID principles may be effectively implemented in floodplains, where allowed by the jurisdictional agency, but the impacts of potential flooding on proposed LID improvements should be assessed. Development within the floodplain should be avoided to the extent practicable. Areas of the site with other potential drainage hazards such as erosion and landslides should also be identified.
- **Drainage areas, flow paths, and run-on/runoff locations:** For the pre-project condition, define the area(s) within the site that drain to common discharge location(s). For undeveloped sites, these areas are defined by the natural topography of the site. For previously developed sites, any existing drainage improvements must be considered since they can alter the locations of drainage area boundaries.

The key characteristics of existing flow paths include locations, direction of flow, and capacity. It is also critical to identify all locations where storm water might enter a site (run-on) and where it discharges from a site.

3.1.3 Existing Vegetation and Natural Areas

LID design strategies include the preservation or enhancing the quality of existing native, and other high quality vegetation to the maximum extent practicable. The designer should identify existing natural and environmentally sensitive areas on the site and consider how these areas can be preserved and integrated into the site design. Avoiding sensitive areas and preserving natural open space may reduce the need for other permits and provides opportunities for reducing the amount of storm water runoff that needs to be treated. Storm water runoff can sometimes be directed to these areas for infiltration and irrigation. Preservation of existing trees and other vegetation that help intercept

rainfall and reduces runoff. Where vernal pools are present, it may be necessary to maintain natural runoff quantities to these sensitive areas.

3.1.4 Contaminated Soil or Groundwater

If a site is influenced by contaminated soils and/or groundwater, special consideration of LID design needs to be made. Infiltration of storm water runoff in areas with contaminated soils and/or groundwater should be avoided to prevent mobilization and dispersion of the pollutants. Sites must be reviewed to ascertain if there is a potential that contamination is present. Redevelopment sites must be investigated for underground storage tanks and other potential sources of contamination. If soil and/or groundwater contamination is suspected, LID implementation must avoid further infiltration of storm water runoff and focus on flow-through type treatment devices.

As part of the Preliminary SWQP, the site must be evaluated for the presence of contamination. The SWRCB maintains a database of registered contaminated sites through their Geotracker® program. Sites with soil contamination (brownfields) and former agriculture sites are managed by EPA and the California Department of Toxic Substances Control. For preliminary investigation of site contamination, the websites for these agencies can be accessed as follows:

- SWRCB: <http://geotracker.waterboards.ca.gov/>
- EPA Brownfield: <http://www.epa.gov/brownfields>
- California Department of Toxic Substances Control:
<http://www.dtsc.ca.gov/SiteCleanup/Brownfields/>
http://www.dtsc.ca.gov/SiteCleanup/Cortese_List.cfm

3.1.5 Existing Improvements and Easements

Existing improvements from previous on-site development, adjacent properties, public infrastructure, and underground or overhead utilities must be identified and evaluated when planning the site layout. If available, as-built or record drawings should be reviewed and compared to actual site conditions to verify site features such as buildings and structures, parking lots, roads, drainage systems, landscaped areas.

Previously developed sites may have existing underground utilities, including storm water conveyance/detention, sanitary sewers, and/or gas lines, as well as underground or overhead electrical and/or communications lines. Locations of utilities, whether below ground or overhead, must be noted on the site plan so that any conflicts with storm water, or other improvements may be readily identified.

All easement encumbrances for existing or proposed utilities should also be identified and shown on the site plan as they may indicate a future utility, road, or other structure that may conflict with LID features.



Existing improvements and easements can constrain storm water management alternatives.

Photo Credit – Placer County

Chapter 4

Site Planning and BMP Selection

Selection of an effective set of integrated storm water control measures, or BMPs, can be challenging. Each site is unique, and the application of BMPs will vary depending on site characteristics and proposed use of the site. The storm water management requirements vary depending on the different project categories (i.e., Small, Regulated, Hydromodification Management Projects). This chapter provides a step-wise process for selecting complementary BMPs to complete an effective and integrated design.

This chapter is organized by project categories as described in Chapter 2. Information in the corresponding subsection(s) below provides guidance for selection of BMPs that are appropriate for the site and project type.

4.1 Small Projects

For Small Projects, a site plan showing the layout of improvements and storm water control measures is required to demonstrate consideration of the following:

- Define the development envelope and protected areas, identifying areas that are most suitable for development and areas to be landscaped, or left undisturbed, and used for infiltration. (Sections 3.1.1 through 3.1.4).
- Minimize overall impervious coverage (paving and roofs) of the site.
- Set back development from creeks, wetlands, and riparian habitats in accordance with local ordinances. (Sections 3.1.2 and 3.1.3)
- Preserve significant trees and native vegetation. (Section 3.1.3).
- Conform the site layout along natural landforms. (Section 3.1.2).
- Avoid excessive grading and disturbance of vegetation and soils and stabilize disturbed areas.
- Replicate the site's natural drainage patterns. (Section 3.1.2).

Implementation of one or more Site Design Measure, listed in Table 4-1, is required to reduce project site runoff. The Site Design Measure(s) must be included on the site plan and final improvement plans that are submitted with the building permit application.

Note that some of the Site Design Measures for Small Projects are required to be designed by an appropriately qualified professional engineer licensed in the State of California.

Fact Sheets in Appendix B provide detailed descriptions and design requirements for each Site Design Measure listed.

Additional guidance for incorporating the required storm water measures into Small Projects is provided in Chapter 6 and the SWQP Template in Appendix A.

Table 4-1 Selection of Site Design Measures for Small Projects¹

Small Projects must incorporate at least one Site Design Measure	Fact Sheet (Appendix B)	Selection Considerations
Adjacent/On-Site Stream Setbacks and Buffers	SDM-1	Applicable for sites with streams on, or directly adjacent to the property.
Soil Quality Improvement and Maintenance	SDM-2	Consult a qualified professional before using in areas of high groundwater, soil or groundwater contamination, or slopes greater than 10 percent.
Tree Planting and Preservation	SDM-3	Irrigation requirements Defensible space for wildfire
Rooftop and Impervious Area Disconnection	SDM-4	Roof drain discharge must be at least six (6) feet from a basement and at least two (2) feet from a crawl space or structural foundation.
Porous Pavement	SDM-5	Consult a professional engineer before using in areas of high groundwater, soil or groundwater contamination, or slopes greater than 10 percent.
Vegetated Swales	SDM-6	Consult a professional engineer before using in areas of high groundwater, soil or groundwater contamination, or slopes greater than 10 percent.
Rain Barrels and Cisterns	SDM-7	Operation and Maintenance requirements

1. The Phase II MS4 Permit also allows the use of green roofs. This Site Design Measure has been omitted from this Manual as a practice that may not be suitable due to the climate of the region and water conservation requirements. However, project applicants may propose green roofs as a Site Design Measure for consideration on a case-by-case basis.

4.2 Regulated Projects

This section provides guidance for site design considerations and selection and layout of storm water control measures for Regulated Projects. The approach consists of applying information from the site assessment to lay out improvements and BMPs to reduce storm water runoff volumes and pollutant concentrations. This information is intended as a

reference source for the development of SWQPs for Regulated Projects which are required to be completed by an appropriately qualified professional engineer licensed in the State of California.

Requirements for Regulated Projects include the following:

- Completing a site assessment to evaluate local conditions and identify LID opportunities and constraints,
- Developing a site layout that incorporates LID storm water management strategies,
- Implementing Site Design Measures to reduce surface runoff by infiltration, evapotranspiration, and/or harvesting and use as close to its source as possible,
- Implementing Storm Water Treatment and Baseline Hydromodification Measures using bioretention-based facilities or facilities of demonstrated equivalent effectiveness,
- Implementing biotreatment/media filters for special case exceptions to bioretention or facility of demonstrated equivalent effectiveness,
- Implementing hydromodification management measures to control post-project runoff rates (required for projects that create or replace more than one (1) acre of impervious surface and result in a net increase in impervious area), and
- Maintaining and implementing an O&M Plan.

For maximum effectiveness, the BMPs listed above should be designed to work together in an integrated system. BMPs can be designed in series to provide multiple treatment steps for pollutant removal and volume reduction. Pretreatment, which refers to design features that provide settling of large particles before storm water enters a storm water treatment facility, is important to ensure proper operation of the facility and reduce the long-term maintenance burden. Perhaps the most common example is a sediment trap placed upstream of another BMP to remove bulk coarse solids in a location that is easily accessed for maintenance upstream from a facility that provides further treatment and runoff reduction. By reducing sediment loads entering a bioretention facility or other infiltration-based facility, pretreatment protects the engineered planting media and/or underlying soil from being occluded prematurely and maintains the infiltration rate of the facility. Another example is installing an oil/water separator upstream of another BMP to remove potential hazardous materials prior to infiltrating runoff. The Phase II MS4 Permit requires that additional treatment steps be considered in high-risk areas such as fueling stations, truck stops, auto repairs, and heavy industrial sites to protect groundwater quality.

The completed SWQP for Regulated Projects provides a multi-layered approach to protect water quality and downstream water bodies. The following sections describe the site planning and BMP selection processes that must be used to develop an effective, integrated SWQP.

4.2.1 Site Plan Layout

The results of the site assessment are used to develop the layout of improvements and site plan, which is submitted with the Preliminary SWQP (see Figure 4-1 for an example). A list with the information required to be included on the site plan is provided in Chapter 6 under the Form 3-4 guidance. The site plan, together with the SWQP, documents consideration of the following items:

- Define the development envelope and protected areas, identifying areas that are most suitable for development and areas to be left undisturbed. (Sections 3.1.2 through 3.1.4)
- Concentrate development on portions of the site with less permeable soils and preserve areas that can promote infiltration. (Section 3.1.1)
- Minimize overall impervious coverage (paving and roofs) of the site.
- Set back development from creeks, wetlands, and riparian habitats in accordance with local ordinances. (Sections 3.1.2 and 3.1.3)
- Preserve significant trees. (Section 3.1.3)
- Conform the site layout along natural landforms. (Section 3.1.2)
- Avoid excessive grading and disturbance of vegetation and soils.
- Replicate the site's natural drainage patterns. (Section 3.1.2)
- Detain and retain runoff throughout the site.

4.2.1.1 Drainage Management Areas

As the proposed new or replaced impervious surfaces are laid out, the associated drainage management areas (DMAs) are defined and identified on the site plan. DMAs are the tributary areas within the project site that drain to a common location where BMPs can be implemented to reduce and treat storm water runoff. DMAs must be carefully defined for each BMP that receive storm water runoff (from both pervious and impervious surfaces) so that they may be appropriately designed. Ideally, DMAs are defined and identified by separating areas that may drain pervious and impervious surfaces. However, depending on the project site grading, it may not be possible to completely separate pervious and impervious surfaces when defining and identifying DMAs. If multiple types of surfaces are present in a DMA, an appropriate composite storm

water runoff coefficient must be used. The placement of BMPs and identification of DMAs is typically an iterative process as alternative layouts and storm water management strategies are developed.

As described previously, LID storm water management strategy can involve implementation of various BMP combinations in series. Generally, upstream BMPs, or Site Design Measures, are smaller, distributed measures that function to slow and reduce runoff. Downstream BMPs, or Storm Water Treatment and Baseline Hydromodification Measures, function to remove pollutants from the remaining runoff and provide additional runoff flow and volume control. In some cases, DMAs that discharge to separate upstream BMPs must be combined for the design of BMPs located further downstream in the site's drainage system.

The site plan provided in Figure 4-1 presents an example of a new development project consisting of an office building, driveway, and parking lot. The site was separated into four discrete DMAs. DMA 1 consists of the western portion of the office building roof, DMA 2 consists of the eastern portion of the office building roof, DMA 3 consists of a paved driveway, and DMA 4 consists of a paved parking lot.

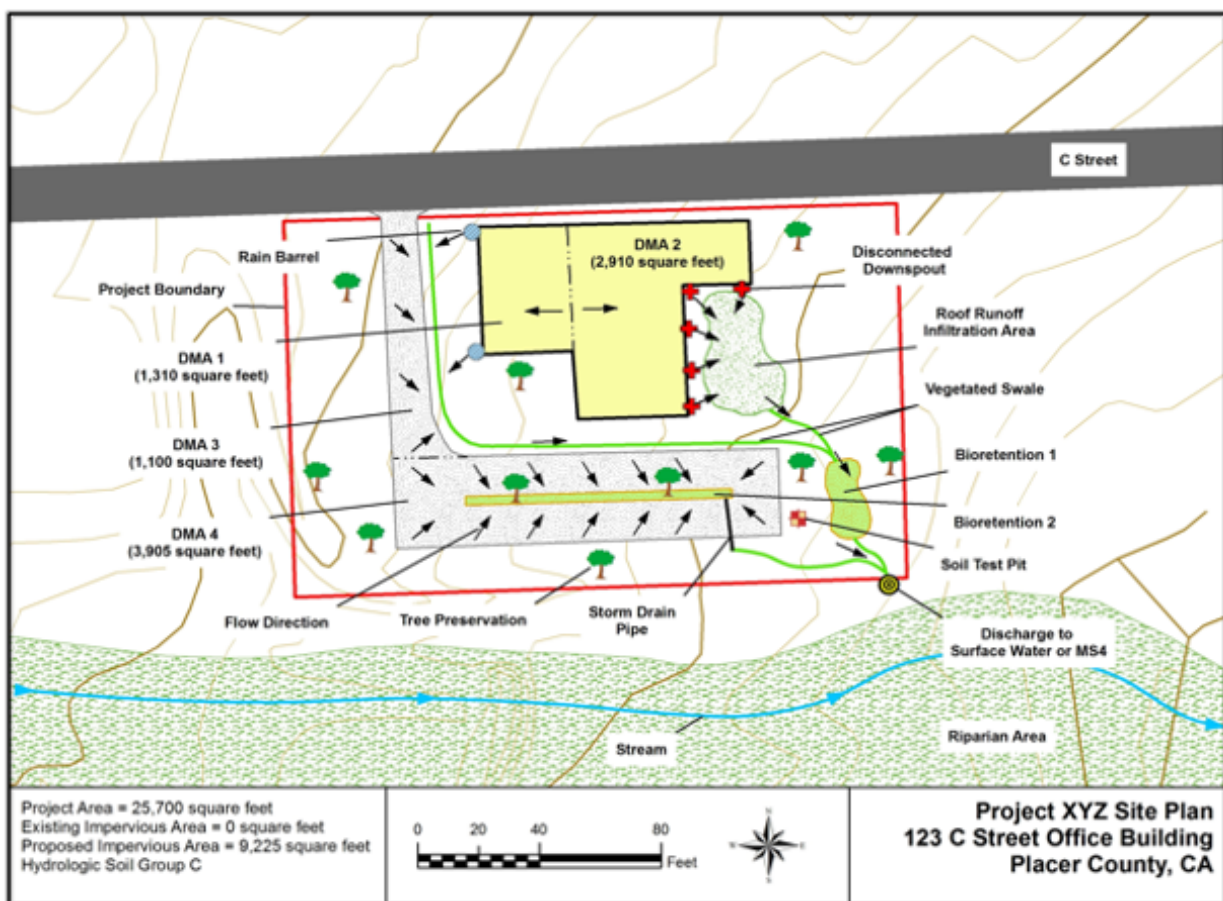


Figure 4-1
Site Plan Example

Site Design Measures and storm water treatment/baseline hydromodification BMPs (bioretention) to manage runoff from each DMA are also included in Figure 4-1. Roof runoff from DMA 1 discharges to two rain barrels. The rain barrels overflow to a vegetated swale which discharges to a bioretention BMP during larger storm events. Roof downspouts from DMA 2 discharge away from the building to a natural depression where infiltration occurs. The natural depression area overflows into a vegetated swale which conveys runoff to a bioretention BMP. Driveway runoff from DMA 3 slopes towards a vegetated swale which also conveys runoff to a bioretention BMP during larger storm events. In this example, DMAs 1, 2, and 3 all discharge to the same bioretention BMP which would need to be designed to treat flows from all three DMAs. Parking lot runoff from DMA 4 flows to a separate bioretention BMP (parking lot landscaped area) which contains two existing trees to be preserved. Treated storm water and overflow from both bioretention BMPs is combined at a single discharge point and released offsite into the municipal storm drain system or natural drainage way.

4.2.2 Source Control Measures

After properly assessing a site and refining the layout, source control measures are implemented to reduce the potential for storm water runoff and pollutants from coming into contact with one another. The goal of source control measures is to KEEP CLEAN WATER CLEAN.

Source control measures can include both structural and operational measures. Structural source control measures include a physical or structural component for controlling the pollutant source such as installing an efficient irrigation system to prevent overspray and off-site runoff or covering trash enclosures or fuel dispensing operations. Operational source control measures involve practices such as storm water management training, trash management and litter control practices, and general good housekeeping practices. When properly implemented, source control measures are effective in preventing pollutants from entering storm water runoff and are typically less expensive than other types of storm water BMPs.

Regulated Projects with potential pollutant-generating activities and sources are required to implement applicable structural and/or operational source control measures. Selection of source control measures must be based on an assessment of potential pollutant generating activities or sources that are anticipated to occur at the site. Depending on the site operations and activities, typical pollutants of concern that can be mobilized and transported by storm water runoff may include, but are not limited to, microbial pathogens (bacteria and viruses), metals, nutrients, toxic organic compounds, suspended solids/sediment, trash and debris, and oil and grease. Some examples of source control measures include trash enclosures, street or parking lot sweeping, and proper materials storage practices.

In some areas, downstream water bodies may be impaired, or subject to TMDL requirements (Chapter 3). In these situations, the pollutant(s) of concern must be identified along with any additional actions that may be required to control potential releases of the pollutant(s).

The Source Control Measures Selection Table (Appendix C) shall be used as a guideline to identify and select source control measures for inclusion in the SWQP. In some cases, multiple source control measures will be used in combination. The table does not include all possible pollutant generating project characteristics/activities that may warrant the consideration of source control measures and additional operational or structural source control measures may be required.

The California Stormwater Quality Association (CASQA) Storm Water BMP Handbooks, or an accepted equivalent reference document, provide recommended guidance for design of source control measures. CASQA has published several storm water BMP handbooks for various project applications and settings, and the source control measures identified in Appendix C reference fact sheets in one or more of these handbooks. The identification codes in the table correspond to the CASQA fact sheets which can be referenced for more information on each source control measure. The CASQA Storm Water BMP Handbooks are available for purchase at:

www.casqa.org/resources/bmp-handbooks/

4.2.3 Site Design Measures (LID BMP Selection)

Site Design Measures are generally small-scale, distributed BMPs that are intended to reduce and treat surface runoff volumes by managing storm water as close to its source as possible. Site Design Measures often incorporate vegetation which can further reduce runoff through evapotranspiration. These storm water controls are critical for maintaining a site's predevelopment hydrology, which is a primary goal of LID.

Regulated Projects are required to incorporate the Site Design Measures listed in Table 4-3 to the extent technically feasible with the objective of retaining the impervious runoff volume generated by the post-construction 85th percentile, 24-hour storm event by means of infiltration, evapotranspiration, and/or harvesting and use. Typical feasibility considerations are included in the table, but technical feasibility can vary based on a wide variety of site specific conditions that must be evaluated and determined by a professional engineer. Technical feasibility also requires approval by the jurisdictional agency.

If Site Design Measures applied are demonstrated to completely treat and retain the impervious runoff from the post-construction 85th percentile, 24-hour storm event, then no additional downstream BMPs are required. This determination is made during the development of the SWQP (Appendix A). The Site Design Measure Fact Sheets (Appendix B) provide detailed descriptions and design requirements for each measure listed in Table 4-2.



Distributed Site Design Measures, such as this cistern, can provide significant reductions in site runoff.

Photo Credit – U.S. EPA

Table 4-2 Selection of Site Design Measures for Regulated Projects¹

Regulated Projects must incorporate Site Design Measures to the Extent Technically Feasible	Fact Sheet (Appendix B)	Feasibility Considerations
Stream Setbacks and Buffers	SDM-1	▪ Applicable for sites with streams on or directly adjacent to the property.
Soil Quality Improvement and Maintenance	SDM-2	▪ Not suitable in areas of high groundwater, soil or groundwater contamination, or slopes greater than 10 percent.
Tree Planting and Preservation	SDM-3	▪ Irrigation requirements ▪ Defensible space for wildfire
Rooftop and Impervious Area Disconnection	SDM-4	▪ Roof drain discharge must be at least six (6) feet from a basement and at least two (2) feet from a crawl space or structural foundation.
Porous Pavement	SDM-5	▪ Not suitable in areas of high groundwater, soil or groundwater contamination, or slopes greater than 10 percent. ▪ Not ideal for sites with infiltration rates less than 0.5 in/hr. ▪ Not suitable in areas with heavy equipment or traffic loads. ▪ Sediment deposition will cause clogging.
Vegetated Swales	SDM-6	▪ Not suitable in areas of high groundwater, soil or groundwater contamination, or slopes greater than 10 percent.
Rain Barrels and Cisterns	SDM-7	▪ Must be emptied to re-establish storage volume between storm events.

1. The Phase II MS4 Permit also allows the use of green roofs. This Site Design Measure has been omitted from this Manual as a practice that may not be suitable due to the climate of the region and water conservation requirements. However, project applicants may propose green roofs as a Site Design Measure which will be evaluated on a case-by-case basis.

4.2.4 Storm Water Treatment and Baseline Hydromodification Management

After implementation of Site Design Measures, remaining runoff that is not retained by the Site Design Measures must be directed to storm water treatment/baseline hydromodification facilities sized to manage the remaining portion of the post-construction 85th percentile, 24-hour storm event runoff. These treatment facilities, also



Bioretention can be integrated into a site's landscaping to provide water quality and aesthetic benefits while also reducing project costs.

Photo Credit – Greg Bates

known as bioretention facilities, are designed to infiltrate, evapotranspire, and/or bioretain the remaining storm water similar to the LID principles of the Site Design Measures. Depending on site characteristics, infiltrating or non-infiltrating flow-through bioretention facilities are typically used to meet this requirement. Infiltrating systems are preferred, and the use of flow-through systems with impervious liners to prevent infiltration is only permitted in several specific cases. These specific circumstances include shallow groundwater conditions, the existence of underlying groundwater or soil contamination, when infiltration creates the potential for geotechnical hazards, or when the facility is located on an elevated plaza or other structure. Bioretention facilities provide pollutant removal through several mechanisms including sedimentation, filtration, and biological processes. Additionally, they reduce runoff volumes and peak flow rates to mitigate the potential hydromodification effects of development.

The determination of which type of storm water treatment/baseline hydromodification control measure(s) to implement can be made using the following flow chart in Figure 4-2. As shown, infiltrating bioretention BMPs are required in the majority of cases. Once the appropriate storm water treatment BMP(s) is (are) selected, refer to the corresponding Fact Sheet (Appendix B) for further design considerations and allowable variations.

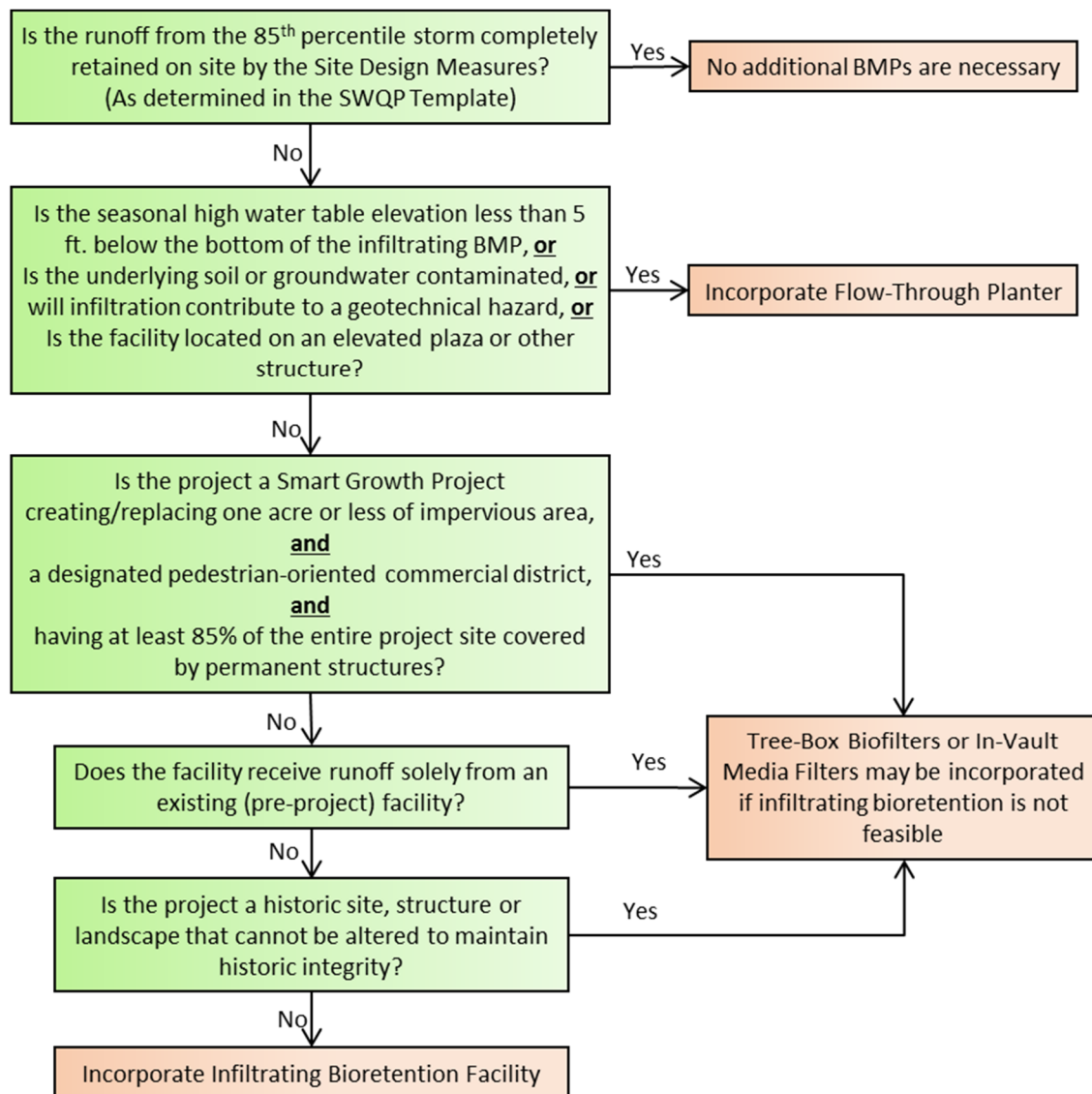


Figure 4-2
Selection of Storm Water Treatment/Baseline Hydromodification Controls

Alternative storm water treatment and baseline hydromodification facilities may be proposed by the designer if the designer can demonstrate that the proposed facility meets all of the following measures of equivalent effectiveness criteria when compared to bioretention facilities:

- Equal or greater amount of storm water runoff infiltrated or evapotranspired for alternatives to infiltrating bioretention facilities
- Equal or greater rate of storm water treatment for flow-through facilities

- Equal or lower pollutant concentrations in storm water runoff that is discharged after biotreatment
- Equal or greater protection against shock loadings and spills
- Equal or greater accessibility and ease of inspection and maintenance

Proposed alternative storm water treatment and baseline hydromodification facilities will be reviewed on a case-by-case basis by the jurisdictional agency.

4.3 Hydromodification Management Projects

The term “hydromodification” is used to define the changes that occur to the natural hydrologic systems of streams and watersheds and how they have the potential to disrupt the natural balances within the watershed. Hydromodification resulting from land development has the potential to create impacts such as excessive erosion, sediment transport and deposition, stream bed instability, loss of habitat, pollutant loading, and damage to the overall ecosystem in downstream reaches of watershed systems. The dynamics of development projects have historically decreased groundwater recharge, increased runoff volume and peak flow frequencies, and altered the natural hydraulic loading of the receiving water (creek system) hydrology. Most LID principles incorporated into this Manual begin to address and minimize these impacts. In the event that storm water runoff reductions do not meet post-construction condition requirements, as demonstrated with the runoff reduction calculator (made part of the Storm Water Template – Appendix A), additional hydromodification treatment measures are required for Regulated Projects creating and/or replacing one acre or more of impervious surface that create a net increase in impervious surface.

The required performance standard for hydromodification control consists of maintaining post-project runoff at or below pre-project flow rates for the 2-year, 24-hour storm event. If this standard can be achieved through the implementation of Site Design Measures and storm water treatment/baseline hydromodification controls (as referenced in Section 4.2 above), then no further storm water controls are required. If post-construction peak flows do not meet this standard, then additional storage capacity with flow control at the discharge point must be incorporated into the design.

For hydromodification management projects in sensitive environmental locations, and/or larger sized projects with complex hydrologic characteristics, the jurisdictional agency may require an alternative approach to using the template forms. In these cases, additional hydrologic modeling analyses, such as a HEC-1 or HEC-HMS discrete storm analysis, may be required to compare pre- and post-project discharge rates for compliance. In these cases, the Section 4 form should be replaced with model results documentation showing that post-construction runoff is less than or equal to the pre-construction runoff rate for a 2-year, 24-hour storm event.

BMP selection for hydromodification controls should be based on the amount of additional storage needed. Additional storage capacity for hydromodification management can be provided by either increasing the size of the control measures (e.g., Site Design Measures or storm water treatment and baseline hydromodification facilities) that are already incorporated in the design or by adding separate structures such as detention basins or vaults.

Follow the procedures outlined in Chapter 6 and the SWQP Template to determine the additional storage volume needs to select the preferred alternative. If relatively little additional storage is needed, then increasing the capacity of the Site Design and/or storm water treatment measures is likely to be the preferred alternative. For larger additional storage requirements, separate detention facilities are recommended.

4.4 In Lieu Program

Storm water management requirements must be met to the MEP standard as specified in this Manual and within and on the project site. If the storm water management goals specified in this Manual cannot be fully met on the project site due to feasibility constraints, then an In Lieu Project may be identified to satisfy the remaining requirements. All projects that utilize the In Lieu program require review and approval by the CVRWQCB in addition to the jurisdictional agency.

The In Lieu program provides two options:

Option 1- In Lieu Projects

A separate LID, or other environmental protection/enhancement, project may be selected from the list of pre-approved projects developed by the jurisdictional agency, and approved by the CVRWQCB. If an In Lieu Project option is chosen, the jurisdictional agency will identify the In Lieu Project in the Conditions of Approvals to ensure that the requirement is documented in case the property and/or project is sold. The pre-approved list of In Lieu Projects may be amended periodically on a case-by-case basis with approval from both the CVRWQCB and jurisdictional agency.

In Lieu Projects should treat the same type of pollutants that are generated by the untreated portion of the new development or redevelopment project. For example; if the untreated portion of the new development or redevelopment site is roadway, then the In Lieu Project selected should treat runoff from a roadway.

In Lieu Projects should be located within the same jurisdiction or unincorporated area in which the new development or redevelopment project causing the impact is located. Projects located in other areas may be approved on a case-by-case basis. Projects that have the potential to cause a significant impact to a particular water body, as determined

by the jurisdictional agency, either because of the size of the project or the sensitivity of the water body, will need to choose an In Lieu Project in the same watershed, if feasible.

In Lieu Projects must be completed within two years of the completion of the qualifying new development or redevelopment project. If additional time is needed to complete the In Lieu Project, an extension may be requested and approved on a case-by-case basis. To compensate for long-term water quality and hydromodification impacts downstream of the project, penalties, in the form of additional fees or additional treatment areas, may be imposed on projects requiring time extensions by the jurisdictional agency.

Option 2 - In Lieu Fee

An In Lieu Fee may be paid toward the completion of a larger project from the pre-approved list. The amount of the In Lieu Fee will be calculated based on the treatment and/or volume capture not achieved on the project site, including maintenance costs, times a multiplier.

Chapter 5

BMP Inspection, Operation and Maintenance

Structural BMPs required for Regulated Projects must *meet manufacturers' or designer's recommendation for operation and maintenance* to ensure that the facilities are functioning as designed and do not create health and safety hazards.

To support these requirements, owners of Regulated Projects must provide specific operations and maintenance (O&M) related information with the SWQP during the project permitting process and submit annual self-certification reports documenting that the O&M activities are performed and BMPs are functioning properly.

5.1 Operation and Maintenance Submittal Requirements at the Permitting Stage

The following items are required to be included in the SWQP for all Regulated Projects:

- A signed statement from the project owner accepting responsibility for inspection and O&M activities for all structural BMPs at the project site until such responsibility is legally transferred to another entity.
- A signed statement from the project owner granting access to all representatives of the jurisdictional agency for the sole purpose of performing O&M inspections of the installed treatment systems(s), and hydromodification control(s) if any. Alternatively, this requirement is considered satisfied if an easement dedication or irrevocable offer of dedication is made to the jurisdictional agency providing equivalent access.
- A list of all structural BMPs on the project site and their specific inspection and O&M requirements. BMP-specific inspection and O&M requirements are included on the respective Fact Sheets (Appendix B). It is the responsibility of the project owner to review these requirements and develop a detailed site-specific O&M Plan to document these requirements and include it with the SWQP.
- A copy of any maintenance agreements that modify the BMP O&M responsibilities for the project.

5.2 Annual Self-Certification Reports

In addition to the above items, which are required at the permitting phase, Annual Self-Certification Reports must be submitted by the responsible party for the life of the project. In accordance with the Phase II MS4 Permit, the Annual Self-Certification Reports must include, at a minimum, the following information:

- Dates and findings of field observations to determine the effectiveness of the structural BMPs in removing pollutants of concern from storm water runoff and/or reducing hydromodification impacts as designed.
- Long-term plan for conducting regular maintenance of BMPs including the frequency of such maintenance.

Chapter 6

Developing a Post-Construction Storm Water Quality Plan (SWQP)

This chapter, in conjunction with the SWQP Template in Appendix A, provides project applicants, project owners, and design professionals with supplemental guidance for developing a SWQP for the various project categories defined herein.

The SWQP Template also provides planning and design review staff with a standardized submittal format to streamline the project review and approval process. In some cases, if the applicant wishes to propose alternative storm water control measures, supplemental documentation is required to be submitted to demonstrate equivalent performance per the listed criteria.

The SWQP for Regulated Projects must outline project compliance with the requirements of this Manual and include a signed certification statement by a registered professional engineer and project owner accepting responsibility for its development and implementation. SWQPs for Small Projects do not require a professional engineer's certification, however; some storm water control measures may require engineered designs. A copy of the Final SWQP shall be available at the project site for the duration of construction and then stored with the project approval documentation and improvement plans in perpetuity.

The SWQP development process begins with identifying the Project Category (see Chapter 2) and completing the corresponding sections in the SWQP template. Table 6-1 below lists the sections in the SWQP that must be completed for each Project Category.

Table 6-1 Required SWQP Sections by Project Category	
Project Category	Required SWQP Sections
Small Projects	Sections 1 and 2
Regulated Projects, Regulated Redevelopment Projects, Regulated Road Projects, and Regulated LUPs	Sections 1, 3, 5 and 6
Regulated Hydromodification Management Projects	Sections 1, 3 through 6

For Small Projects, the project owner may prepare the SWQP. If the SWQP is prepared by the project owner, then the project owner takes the responsibility for ensuring the proper design of any storm water control measures that are included in the project. For Regulated Projects, a California licensed professional engineer is required to prepare, sign, and stamp the SWQP. Storm water control measures described in this Manual must be designed by, or under the supervision of, a qualified California licensed Professional Engineer with other specialist as may be needed.

Using the SWQP Template (Appendix A)

The SWQP Template is an automated Microsoft Excel-based tool that is provided in electronic format. The user proceeds through a series of pages by opening the workbook tabs which are labeled to indicate which form they contain. Required information is entered in the shaded gray cells, while other cells will self-populate, to complete the form. Each section below provides supporting information and guidance on completing the associated forms in the SWQP Template. Other more detailed reference information is provided in the preceding Chapters of this manual and in the BMP fact sheets in Appendix B.

Title Page

The title page identifies the project, project owner, and individual or consulting firm responsible for the preparation of the SWQP. It also lists the jurisdictional agency with approval authority for the project and responsibility for implementing the requirements of the Phase II MS4 Permit.

Project identification information such as Building or Grading Permit Numbers may vary among the jurisdictional agencies and should be included as appropriate for the specific project.

The SWQP preparation date is added by the preparer and the approval date is added by the approving jurisdictional agency to the cover as they become available.

Section 1 General Project Information

Section 1 documents basic information pertaining to the project and identifies the individual(s) responsible for the development and implementation of the SWQP. The Project Category is identified here.

There are two forms to be completed in Section 1 as follows:

Form 1-1 Project Identification and Owner's Certification

Form 1-1 supplements information provided on the title page with additional detail including the project address and a brief description of the project. For larger or more complex projects, sheets may be added to describe the project.

The project owner's signature is required to certify responsibility for proper implementation of the SWQP. For Regulated Projects, the project owner signature also provides permission to access to all representatives of the jurisdictional agency for the sole purpose of performing O&M inspections of the installed treatment system(s) and hydromodification control(s), if any.

For Regulated Projects, a California licensed professional civil engineer is required to sign and stamp the SWQP. The professional engineer is responsible for designing all of the storm water control measures for the project site and developing the SWQP per the requirements set forth in the Phase II MS4 Permit and this Manual.

Form 1-2 Project Category

Form 1-2 identifies the project category. Determine the appropriate category by first quantifying the size of the newly created and/or replaced impervious surface and using the decision tree in Figure 2-3. Once the project category is determined, check the appropriate box on the form.

For redevelopment projects, determine the percent increase of impervious surface and check the appropriate box. The percent increase calculation must include both newly created and replaced surfaces.

Use the form to indicate if the project is a road or linear underground/overhead project (LUP) that creates 5,000 ft² or more of newly constructed contiguous impervious surface or is a public road project and/or falls under the building and planning authority of a jurisdictional agency.

After determining and checking the appropriate project category, enter the total new and/or replaced impervious surface area for the project.

Section 2 Requirements for Small Projects

Owners of Small Projects are required to complete the forms in Section 1 and 2 of the SWQP Template. The forms in Section 2 guide the development of the project layout, as discussed in Chapter 4, and incorporate one or more of the Site Design Measures listed in Table 4-1. Section 2 includes two forms to address these requirements.

Form 2-1 LID Site Assessment and Layout Documentation

The goal of the site assessment is to develop the site in a way that minimizes impacts to the site hydrology and other environmental functions and processes. The form lists a series of considerations that should be made when developing the layout. For each item, check the appropriate box to indicate that it has been considered and appropriately incorporated or that it is not applicable (N/A) and provide a brief explanation (use a separate sheet if necessary). To complete this form, develop and attach the site plan that illustrates the proposed site layout. The site plan may consist of a preliminary, or

conceptual level design drawing, and it is a key requirement of the Preliminary SWQP described in Section 2.

Ensure that the following items, at a minimum, are included in the site plan:

- Site boundary
- Topographic data with one-foot contours (five foot contour intervals may be used for steeper sites)
- Existing natural hydrologic features (e.g., depressions, watercourses, wetlands, riparian corridors)
- Environmentally-sensitive areas and areas to be preserved
- Proposed locations and footprints of improvements creating new or replaced impervious surfaces
- Proposed site drainage with flow directions and site run-on and discharge locations
- Proposed Site Design Measures to reduce runoff

Form 2-2 Runoff Reduction Calculator Site Design Measures on Small Projects

This form is used to identify one or more Site Design Measures to implement on Small Projects and calculate the associated storm water runoff reduction. After identifying the Site Design Measure(s), enter the associated dimensions and quantity information into the form to calculate the storm water runoff reduction and effective treated impervious area. There is no minimum runoff reduction required for Small Projects. Design guidance for Site Design Measures is provided in the Fact Sheets in Appendix B. The equations, variables and units that are used to calculate the Site Design Measure volume reductions (V_r) are presented below for reference.

Adjacent/On-Site Stream Setbacks and Buffers

$$V_r = \left(\frac{1 \text{ ft}}{12 \text{ in}} \right) \times A_{imp} \times V_{85}$$

A_{imp} (ft²) - Impervious drainage area discharging to the buffer

V_{85} (in) – Runoff volume from the 85th percentile, 24-hour design storm

Soil Quality Improvement and Maintenance

$$V_r = (A_{pond} \times D_{pond}) + (A_{sa} \times D_{sa} \times \eta)$$

A_{pond} (ft²) – Ponding area over soil improvement area

D_{pond} (ft) – Ponding depth over soil improvement area

A_{sa} (ft²) – Surface area of improved soils

D_{sa} (ft) – Depth, or thickness, of improved soil layer

η – Porosity of amended soil

Tree Planting and Preservation

$$V_r = [(218 \times n_e) + (109 \times n_d) + A_{tc}] * V_{85} * \left(\frac{1 \text{ ft}}{12 \text{ in}}\right)$$

n_e – Number of new evergreen trees

n_d – Number of new deciduous trees

A_{tc} (ft²) – A_{tc} (ft²) – Canopy area of existing trees to remain on the property

V_{85} (in) – Runoff volume from the 85th percentile, 24-hour design storm

Rooftop and Impervious Area Disconnection

$$V_r = \left(\frac{1 \text{ ft}}{12 \text{ in}}\right) \times A_{imp} \times V_{85}$$

A_{imp} (ft²) – Impervious rooftop or other area draining to pervious infiltration area

V_{85} (in) – Runoff volume from the 85th percentile, 24-hour design storm

Porous Pavement

$$V_r = A_{res} \times D_{res} \times \eta_{agg} \times C$$

A_{res} (ft²) – Area of underlying gravel storage layer

D_{res} (ft) – Depth of underlying gravel storage layer

η_{agg} – Porosity of aggregate

C – Efficiency factor (See table in Fact Sheet SDM-5)

Vegetated Swales

$$V_r = \left(\frac{1 \text{ ft}}{12 \text{ in}}\right) \times A_{imp} \times V_{85}$$

A_{imp} (ft²) – Impervious rooftop or other area draining to swale

V_{85} (in) – Runoff volume from the 85th percentile, 24-hour design storm

Rain Barrels and Cisterns

$$V_r = 0.5 \times N \times V_a$$

N - Number of rain barrels and/or cisterns

V_a (ft³) - Volume of each rain barrel and/or cistern

Form 2-2 includes storm water runoff reduction calculations that are equivalent to those in the SWRCB's SMARTS Runoff Reduction Calculator. The volume reductions calculated by these methods are dependent on the Site Design Measure(s) being designed per the requirements in the respective Fact Sheets in Appendix B.

In order to calculate runoff reductions, Form 2-2 requires the project elevation, which is inserted at the top of the form. The form then calculates the impervious runoff volume generated by the design storm. A table is included as a footnote to the form showing the design storm depths that correspond to the elevation of the project. Corresponding runoff volumes are calculated using a runoff coefficient of 0.9 for impervious surfaces.

Section 3 Requirements for Regulated Projects

This section addresses the requirements for Regulated Projects. The forms in this section are used to document project characteristics and to facilitate the selection and design of storm water control measures. Projects in this category are required to implement the following storm water control measures to the maximum extent practicable:

- LID site assessment to appropriately plan the layout of improvements for capturing and retaining storm water runoff;
- Source control measures to mitigate potential pollutant generating activities and sources that are anticipated at the site;
- Site Design Measures to infiltrate, evapotranspire, and/or harvest and use the impervious runoff from the post-construction 85th percentile, 24-hour storm runoff event; and
- Storm Water Treatment and Baseline Hydromodification Measures to infiltrate, evapotranspire, and/or bioretain remaining runoff from impervious surfaces, if necessary, after implementation of Site Design Measures.

Section 3 contains seven forms to address each of the above requirements.

Form 3-1 Site Location and Hydrologic Features

Enter the project specific information to document the site location and elevation to calculate the 85th percentile, 24-hour design storm depth. For reference, the table below provides the 85th percentile, 24-hour design storm depths for three elevation increments within the West Placer region.

85 th Percentile, 24-Hour Design Storm Depth
Elevation <500 feet = 0.9 inch
Elevation 500-1,000 feet = 1.0 inch
Elevation 1,000-1,500 feet = 1.1 inch

Identify the ultimate receiving waters and provide a general description of their location and distance in relation to the project site.

If the receiving waters are listed as impaired on the state 303(d) list, identify the pollutant(s) of concern. Refer to SWRCB website for the most current information:

www.waterboards.ca.gov/water_issues/programs/water_quality_assessment/#impaired

For phased projects, the form clarifies requirements for defining DMAs and incorporating storm water control measures as each phase is developed.

This form is also used to define the project's DMAs, as described in Chapter 4. For projects with more than one DMA, a conceptual level schematic should be developed showing the DMAs that have been defined for the project and their hydrologic connections to the site discharge location(s). The conceptual DMA diagram in this form should be referenced when laying out DMAs and conveyances in the project's site plan as required in Form 3-2.

Form 3-2 LID Site Assessment and Layout Documentation

A site assessment must be conducted as early as possible in the project planning process to appropriately plan the site layout for the capture and treatment of storm water runoff. The goal is to develop a site layout that minimizes impacts to site hydrology and other environmental systems, functions, and processes.

The form lists a series of considerations that should be evaluated when developing the site layout. For each item, check the appropriate box to indicate that it has been considered and appropriately incorporated, or that it is not applicable (N/A) and provide a brief explanation (use a separate sheet if necessary). To complete this form, develop and attach a site plan that illustrates the proposed site layout. The site plan may consist of a preliminary or conceptual level design drawing, but it is a key requirement of the Preliminary SWQP described in Section 2.

Ensure that the following items are included in the site plan:

- Site boundary
- Soil types and areal extents, test pit and infiltration test locations
- Topographic data with 1-foot contours (5-foot contour intervals may be used for steeper sites)
- Existing natural hydrologic features (e.g., depressions, watercourses, wetlands, riparian corridors)
- Environmentally-sensitive areas and areas to be preserved
- Proposed locations and footprints of improvements creating new, or replaced, impervious surfaces
- Potential pollutant sources areas
- DMAs for the proposed BMPs that will receive storm water runoff
- Existing and proposed site drainage network with flow directions and site run-on and discharge locations
- Proposed design features and surface treatments used to minimize imperviousness and reduce runoff
- Proposed locations and footprints of treatment and hydromodification management facilities
- Design features for managing authorized non-storm water discharges
- Areas of soil and/or groundwater contamination
- Existing utilities and easements
- Maintenance areas

Form 3-3 Source Control Measures

Source control measures are required on all Regulated Projects to prevent onsite pollutants from being mobilized and transported by storm water runoff. The goal of source control is to keep clean water clean. For each item listed in the form, check the box for activities and sources that may occur on the project and use the Source Control Measures Selection Table (Appendix C) to identify permanent structural, and/or operational source control measures. Add project specific descriptions of how each measure will be implemented on the project and attach additional pages if necessary. Be sure to describe any special features, materials, or methods of construction that will be used to implement the source control measures. The identification codes in the table correspond to the CASQA fact sheets which can be referenced for more information on

each source control measure. The CASQA Storm Water BMP Handbooks are available for purchase at:

www.casqa.org/resources/bmp-handbooks/

Form 3-4 Runoff Reduction Calculator for Site Design Measures on Regulated Projects

On Regulated Projects, Site Design Measures must be implemented, to the extent technically feasible, to infiltrate, evapotranspire, and/or harvest and use the impervious surface runoff from the post-construction 85th percentile, 24-hour storm event.

For each DMA, identify the Site Design Measure(s) for implementation and enter the associated dimensions and quantity information into the form to calculate the resulting runoff reduction and the effective treated impervious area. Design guidance for Site Design Measures is provided in the Fact Sheets in Appendix B. The equations, variables and units that are used to calculate the Site Design Measure volume reductions (V_r) are presented below for reference.

Adjacent/On-Site Stream Setbacks and Buffers

$$V_r = \left(\frac{1 \text{ ft}}{12 \text{ in}} \right) \times A_{imp} \times V_{85}$$

A_{imp} (ft²) - Impervious drainage area discharging to the buffer

V_{85} (in) - Runoff volume from the 85th percentile, 24-hour design storm

Soil Quality Improvement and Maintenance

$$V_r = (A_{pond} \times D_{pond}) + (A_{sa} \times D_{sa} \times \eta)$$

A_{pond} (ft²) - Ponding area over soil improvement area

D_{pond} (ft) - Ponding depth over soil improvement area

A_{sa} (ft²) - Surface area of improved soils

D_{sa} (ft) - Depth, or thickness, of improved soil layer

η - Porosity of amended soil

Tree Planting and Preservation

$$V_r = [(218 \times n_e) + (109 \times n_d) + A_{tc}] * V_{85} * \left(\frac{1 \text{ ft}}{12 \text{ in}} \right)$$

n_e - Number of new evergreen trees

n_d - Number of new deciduous trees

A_{tc} (ft²) - Canopy area of existing trees to remain on the property

V_{85} (in) - Runoff volume from the 85th percentile, 24-hour design storm

Rooftop and Impervious Area Disconnection

$$V_r = \left(\frac{1 \text{ ft}}{12 \text{ in}} \right) \times A_{imp} \times V_{85}$$

A_{imp} (ft²) - Impervious rooftop or other area draining to pervious infiltration area

V_{85} (in) – Runoff volume from the 85th percentile, 24-hour design storm

Porous Pavement

$$V_r = A_{res} \times D_{res} \times \eta_{agg} \times C$$

A_{res} (ft²) – Area of underlying gravel storage layer

D_{res} (ft) – Depth of underlying gravel storage layer

η_{agg} – Porosity of aggregate

C – Efficiency factor (0.5 recommended)

Vegetated Swales

$$V_r = \left(\frac{1 \text{ ft}}{12 \text{ in}} \right) \times A_{imp} \times V_{85}$$

A_{imp} (ft²) - Impervious rooftop or other area draining to swale

V_{85} (in) – Runoff volume from the 85th percentile, 24-hour design storm

Rain Barrels and Cisterns

$$V_r = 0.5 \times N \times V_a$$

N - Number of rain barrels and/or cisterns

V_a (ft³) - Volume of each rain barrel and/or cistern

Form 3-4 includes runoff reduction calculations that are equivalent to those in the SWRCB's SMARTS Runoff Reduction Calculator. The volume reductions calculated by these methods are dependent on the Site Design Measure(s) being designed per the requirements in the respective Fact Sheets in Appendix B.

Form 3-4 calculates the impervious runoff volume generated by the design storm using a runoff coefficient of 0.9 for impervious surfaces.

The form calculates the effective treated impervious area by dividing the runoff reduction by the 85th percentile, 24-hour design storm depth.

If the post-construction 85th percentile, 24-hour storm event runoff from all impervious surfaces in a DMA is treated, no additional storm water control measures are required for that DMA. If there is untreated impervious area remaining, then Storm Water Treatment and Baseline Hydromodification Measures are required.

Form 3-5 Computation of Water Quality Design Criteria for Storm Water Treatment and Baseline Hydromodification Measures

After implementation of Site Design Measures, any remaining storm water runoff for each DMA must be directed to one or more facilities designed to infiltrate, evapotranspire, and/or bioretain these remaining storm water flows. This form calculates the target Water Quality Volumes and Flows (WQV and WQF, respectively) using the tributary drainage area sizes and characteristics and local rainfall statistics. The Unit WQV referenced in the form is based on the site elevation and a 48 hr. drawdown time as follows:

Project Elevation (ft. above mean sea level)	Unit Water Quality Volume (WQV) (inches)
Over 1,000 ft.	0.9
500 ft – 1,000 ft.	0.75
Under 500 ft	0.65

Storm water runoff entering a site from adjacent properties (run-on) becomes the responsibility of the owner. When entering the DMA sizes in this form, all offsite areas that may contribute run-on flows to the treatment facility must be included.

For DMAs containing multiple types of land cover, the form requires the user to enter a composite, area-weighted, runoff coefficient representing the DMA. The composite runoff coefficient can be calculated as:

$$C_w = \frac{\sum_{j=1}^n C_j A_j}{\sum_{j=1}^n A_j}$$

- C_w = weighted runoff coefficient
- C_j = runoff coefficient for area j
- A_j (ft²) = area for land cover j
- n = number of distinct land covers

The equations, variables, and units that are used to calculate the WQV and WQF are presented below for reference.

Water Quality Volume (WQV)

$$WQV (ft^3) = \left(\frac{1 ft}{12 in} \right) \times A \times R_c \times WQV_u$$

A (ft²) – Tributary Area to BMPR_c – Runoff coefficientWQV_u (in) - Unit Water Quality Volume**Water Quality Flow (WQF)**

$$WQF (ft^3/s) = \left(\frac{1 ft}{12 in} \right) \times \left(\frac{1 hr}{3600 s} \right) \times A \times i_u \times R_c$$

$$WQF (ft^3/s) = A_{untreated} * I_u * (1ft/12in) * (1hr/3600s)$$

A (ft²) – Tributary Area to BMPi_u (in/hr) – Uniform Rainfall Intensity = 0.2 in/hrR_c – Runoff coefficient**Form 3-6 Infiltrating Bioretention Measures**

Form 3-6 is a sizing tool for volume-based, infiltrating bioretention facilities. Enter the dimensions and other required design parameters for each bioretention facility to calculate volume reductions and determine if the required performance criteria have been achieved. The form is intended to be used in conjunction with the bioretention BMP Fact Sheet(s) in Appendix B which provide additional design guidance.

The following inputs must be determined by the designer and entered into the appropriate cells:

- DMA ID No. – Previously defined DMAs for the Site Design Measures should be combined if they are draining to a single bioretention measure. Enter a unique identifier for the combined DMAs.
- Water Quality Volume (WQV) – If multiple DMAs are combined, as described above, the WQVs for each DMA must be summed.
- Surface Loading Rate (R_{surf})(in/hr)
- BMP Surface Area (top of BMP)(SA_{top}) (ft²)
- Infiltration rate of soils underlying the BMP (use field measurement at the level where infiltration will occur)(in/hr).
- Maximum ponding depth (d_{max}) (ft)

- Infiltrating surface area (bottom of BMP) (SA_{bottom}) (ft^2)
- Planting media depth (d_{media}) (ft)
- Planting media porosity (n_{media})
- Gravel depth (d_{gravel}) (ft)
- Gravel porosity (η_{gravel})
- Total Treated Flow Rate for Project (Q_{total}) (ft^3/s) – Enter the total sum of all treated flows from all DMAs

Calculated values in Form 3-6 include the following:

Ponding depth (d_{pond}) (ft) – This is determined by comparing the depth of water infiltrated within the drawdown time and the maximum ponding depth. The lesser value is taken as the ponding depth.

Retention Volume (V_d) (ft^3) – This is the total runoff volume reduction achieved by the bioretention measure. Retention volume is calculated as follows:

$$V_r = SA_{bottom} \times \left[d_{pond} + d_{media} \times \eta_{media} + d_{gravel} \times \eta_{gravel} + \left(\frac{1 \text{ ft}}{12 \text{ in}} \right) \times T_f \times I \times 0.5 \right]$$

The time of filling (T_f) represents the amount of time typically required for the bioretention measure to fill after the initial onset of rain. A value of 3 hours is assumed and is incorporated into the calculation.

A safety factor of 0.5 is applied to the field measured infiltration rate (I) to account for the degradation of this rate as the facility ages.

Untreated Volume ($V_{untreated}$) (ft^3) – This is the difference between the WQV and retention volume. The retention volume must be greater than or equal to the WQV for each DMA so that “Yes” can be checked as the final item to complete the form.

Treated Flow Rate ($Q_{treated}$) (ft^3/s) – This is the volumetric treatment rate achieved by the bioretention facility. The treated flow rate is calculated as follows:

$$Q_{treated} = \left(\frac{1 \text{ ft}}{12 \text{ in}} \right) \times \left(\frac{1 \text{ hr}}{3600 \text{ s}} \right) \times R_{surf} \times SA$$

If an alternative to bioretention is proposed, the designer must submit separate documentation to demonstrate that the proposed facility meets all of the following measures of equivalent effectiveness criteria when compared to bioretention facilities:

- Equal or greater amount of storm water runoff infiltrated or evapotranspired
- Equal or lower pollutant concentrations in storm water runoff that is discharged after biotreatment
- Equal or greater protection against shock loadings and spills
- Equal or greater accessibility and ease of inspection and maintenance

Form 3-7 Flow-Through Planters, Tree Box and Media Filters

This form provides a tool for flow-based sizing of biotreatment and filtration facilities. Enter the dimensions and other required design parameters for each biotreatment facility to calculate volume reductions and determine if the required performance criteria have been achieved. The form is intended to be used in conjunction with the Fact Sheets found in Appendix B for flow-through facilities to help determine the required dimensions of the structure.

The following inputs must be determined by the designer and entered into the appropriate cells:

- DMA ID No. – Previously defined DMAs for the Site Design Measures should be combined if they are draining to a single treatment measure. Enter a unique identifier for the combined DMAs.
- Water Quality Flow (WQF) – If multiple DMAs are combined, as described above, the WQFs for each DMA must be summed.
- Surface loading rate (R_{surf}) (in/hr) – A maximum of 5 in/hr is allowed.
- Maximum ponding depth (d_{max}) (ft)
- Soil/media surface area (SA) (ft^2)
- Soil/media depth (d_{media}) (ft)
- Soil/media porosity (η_{media})
- Gravel depth (d_{gravel}) (ft)
- Gravel porosity (η_{gravel})

- Total Treated Flow Rate for Project (Q_{total})(ft³/s) – Enter the total sum of all treated flows from all DMAs

Calculated values in Form 3-7 include the following:

Detention Volume (V_d) – This is the volume of storm water runoff detained by the flow-through facility for filtration and discharge. Detention volume is calculated as follows:

$$V_d = SA \times \left[d_{pond} + d_{media} \times \eta_{media} + d_{gravel} \times \eta_{gravel} + \left(\frac{1 \text{ ft}}{12 \text{ in}} \right) \times R_{surf} \times T_f \right]$$

The time of filling (T_f) represents the amount of time typically required for the bioretention measure to fill after the initial onset of rain. A value of 3 hours is assumed and is incorporated into the calculation.

Treated Flow Rate ($Q_{treated}$) (ft³/s) – This is the volumetric treatment rate achieved by the flow-through planter or filter. The treated flow rate is calculated as follows:

$$Q_{treated} = \left(\frac{1 \text{ ft}}{12 \text{ in}} \right) \times \left(\frac{1 \text{ hr}}{3600 \text{ s}} \right) \times R_{surf} \times SA$$

Untreated Flow Rate ($Q_{untreated}$) (ft³/s) – This is the difference between the WQF and the treated flow rate. The treated flow rate must be greater than or equal to the WQF for each DMA so that “Yes” can be checked as the final item to complete the form.

Form 3-7 also provides a line item for entering the treated flow rate for proprietary devices that do not follow the design approach specified in this form. For proprietary devices, the treated flow rate is entered and the product specifications and design documentation must be included in the SWQP to justify and document the flow rates used.

If an alternative to flow-through planters or tree box or media filters is proposed, the designer must demonstrate that the proposed facility meets all of the following measures of equivalent effectiveness criteria when compared to flow-through planters or tree box or media filters:

- Equal or greater rate of storm water treatment
- Equal or lower pollutant concentrations in storm water runoff that is discharged after biotreatment
- Equal or greater protection against shock loadings and spills
- Equal or greater accessibility and ease of inspection and maintenance

Section 4 Requirements for Hydromodification Management Projects

This section covers the additional requirements for Hydromodification Management Projects. Projects in this category must meet the same requirements as other Regulated Projects and also confirm that post-construction peak runoff rates are less than or equal to the pre-construction peak runoff rate for a 2-yr, 24-hr storm event.

This section incorporates the hydrology methods in Section V of the Placer County SWMM. There are three forms in this section which are used to determine the pre-project peak flows and demonstrate compliance.

For projects in sensitive environmental locations, such as those discharging to impaired waters or wetlands, and/or larger sized projects (> 200 acres) with ponding, where flow routing through sub-basins is required, or other projects with complex hydrologic characteristics, the jurisdictional agency may require an alternative approach to using the template forms. In these cases additional hydrologic modeling analyses, such as a HEC-1 or HEC-HMS discrete storm analysis may be required to compare pre- and post-project discharge rates for compliance. In these cases, the Section 4 forms should be replaced with model results documentation showing that post-construction runoff is less than or equal to the pre-construction runoff rate for a 2-yr, 24-hr storm event.

Hydromodification DMAs

The hydromodification analysis is performed at the project outlet points and requires that outlet level DMAs be defined for the project outlet points. These outlet level DMAs may be different than the previously defined DMAs used for BMP design, and will typically consist of combinations of these previously defined DMAs.

Form 4-1 Peak Runoff Response Time

Complete the form utilizing the reference information in the Placer County SWMM to calculate peak runoff response time for each outlet level DMA. The following inputs must be determined by the designer and entered into the appropriate cells:

- Length of longest overland flow path (L_o) (ft) – A maximum value of 100 feet is recommended since storm water runoff will typically concentrate and form rivulets or small gullies within this distance rather than staying in a sheet flow type regime.
- Slope of overland flow path (S_o) (ft/ft)
- Manning's roughness coefficient for the overland flow surface (n_o)
- Hydrologic soil group (HSG)
- Current Land Cover Type(s)

- Pervious Area Condition
- Infiltration Rate (I)(in/hr) – The rates for the newly define outlet level DMA are required to be entered. These may vary from the infiltration rates for the previously developed DMAs used for BMP design.
- Length of collector flow path (L_c)(ft)
- Cross-sectional area of collector flow facility (ft^2)(A)
- Wetted perimeter of collector flow facility (ft) (P)
- Manning’s roughness coefficient for collector flow facility (n_c)
- Slope of collector flow facility (S_c)(ft/ft)

Calculated values in Form 4-1 include the following:

Overland flow response time (T_o)(min) – This is the response time of the overland flow areas for each DMA.

$$T_o = \left(\frac{0.355(nL)^{0.6}}{S_o^{0.3}} \right)$$

Channel flow velocity (V) (ft/s) – This is used to calculate the response time of the flow conveyances for each DMA and is calculated using Manning’s equation as follows:

$$V = \frac{1.49}{n_c} \times \left(\frac{A}{P} \right)^{2/3} \times S^{0.5}$$

Collector flow facility response time (T_c) (min) – This is the response time of the flow conveyances for each DMA.

$$T_c = \left(\frac{1 \text{ min}}{60 \text{ s}} \right) \times \frac{L_c}{V}$$

Total response time (T_t) (min) – This is combined overland and collector flow response time.

$$T_t = T_c + T_o$$

Form 4-2 Hydromodification Target for Peak Runoff

Form 4-2 computes the peak pre- and post-construction storm water runoff rates for each outlet level DMA. This form also provides a comparison of the pre-project peak flows to the post-project peak flows and requires flow control at the BMP discharges to be modified, if necessary, to meet the hydromodification management performance criteria.

The following inputs must be determined by the designer and entered into the appropriate cells:

- Drainage Area (A) (ft^2) – This is the total area of each outlet level DMA including pervious and impervious surfaces.
- Impervious Area (A_i) (ft^2) – This is the total impervious area of each outlet level DMA.
- Rainfall depth (P_r) (in) – This is the depth of the 2-yr, 24-hour storm event with a duration equal to the total response time calculated in Form 4-1.
- Total Pre-Project Peak Runoff (ft^3/s) – This is the combined total of the pre-project peak runoff rates for each DMA.

Calculated values in Form 4-2 include the following:

Unit peak runoff (q) ($\text{ft}^3/\text{s}/\text{acre}$)

$$q = 60 \times P_2 \times \frac{1}{T_t}$$

Infiltration factor (F_i) ($\text{ft}^3/\text{s}/\text{acre}$)

$$F_i = \left(1 + \frac{1}{1.3 \times 0.005 \times \text{Site Elevation}} \right)$$

Peak Runoff (Q_p) (ft^3/s)

$$Q_p = A \times q - F_i \times (A - A_i)$$

Form 4-3 Detention Volumes for Hydromodification Management

Form 4-3 is used to demonstrate whether the combined detention capacity of the project's Site Design Measures and Storm Water Treatment and Baseline Hydromodification Measures is sufficient to meet the hydromodification requirements. The NRCS TR-55 Manual is utilized and referenced for information to complete this form and is available at the following website:

<http://www.hydrocad.net/pdf/TR-55%20Manual.pdf>

The following inputs must be determined by the designer and entered into the appropriate cells:

- Land cover and hydrologic condition
- Curve number (CN)
- Precipitation depth (P_2) (in) – This is the depth of the 2-yr, 24-hr storm event.

- Equalization factor (V_s/V_r) – The ratio of storage capacity to runoff volume. This is determined by using the attenuation factor and the nomograph in Figure 6-1 of the NRCXS RR-55 Manual for Type 1A rainfall distribution.
- Site Design Measure volume (ft^3) – This is the combined volume of all Site Design Measures within each of the outlet level DMA.
- Bioretention volume (ft^3) – This is the combined volume of all bioretention facilities within each of the outlet level DMA.
- Flow-Through Detention Volume (ft^3) - This is the combined volume of all flow-through treatment facilities within each of the outlet level DMA.
- Supplemental volume (ft^3) – This is the volume of any additional detention facilities that have been incorporated into the outlet level DMA to meet the hydromodification management performance criteria.

Calculated values in Form 4-3 include the following:

Post-development soil storage capacity (S) (in)

$$S = \frac{1000}{CN} - 10$$

Post-development runoff volume (V_{runoff}) (ft^3)

$$V_{\text{runoff}} = \left(\frac{1 \text{ ft}}{12 \text{ in}} \right) \times A \times \frac{(P_2 - 0.2 \times S)^2}{P_2 + 0.8 \times S}$$

Attenuation factor ($q_{\text{out/in}}$) – The ratio of the target outflow rate (pre-development peak discharge) to the peak inflow rate (post-development peak discharge).

$$q_{\text{out/in}} = \frac{\text{Pre-development } Q_p}{\text{Post-development } Q_p}$$

Runoff detention capacity required to achieve hydromodification management performance criteria (D_{hydromod}) (ft^3)

$$D_{\text{hydromod}} = \frac{V_s}{V_r} \times V_{\text{runoff}}$$

Combined Detention Volume (ft^3) – This is the combined volume of all Site Design Measures, bioretention facilities, and any supplemental volume in each outlet level DMA.

The combined detention volume must be greater than or equal to the required runoff detention capacity to achieve hydromodification management performance criteria so that “Yes” can be checked as the final item to complete the form.

Section 5 Inspection and Maintenance of Post-Construction BMPs

An O&M Verification Program will be implemented for all structural storm water control measures. Project owners must provide a signed statement, prior to Improvement Plan or Grading Permit approval, accepting responsibility for O&M requirements until the responsibility is legally transferred to another entity. A signed statement must also be provided that grants access to all representatives of the jurisdictional agency for the sole purpose of performing O&M inspections of the installed treatment systems(s) and hydromodification control(s) if any.

Form 5-1 BMP Inspection and Maintenance

For Regulated Projects, the Final SWQP serves as a Maintenance Agreement and Permission to Access Agreement unless the jurisdictional agency has a separate mechanism in place such as the City of Roseville. The City of Roseville requires a separate agreement according to its ordinance. The Final SWQP is recorded with the property ownership documentation to ensure that the maintenance responsibilities and access agreement are transferred to the subsequent owner(s) upon sale of the property.

For all BMPs included in the SWQP, assess the site-specific conditions and reference the Fact Sheets in Appendix B to develop BMP inspection and maintenance requirements and complete Form 5-1. For proprietary BMPs, reference the standard inspection and maintenance documents for the product. SWQPs are required to include a detailed O&M Plan for all BMPs (attach O&M Plan) and a signed certification statement accepting responsibility for its implementation.

Section 6 Compliance Checklist

The purpose of this section is to provide a mechanism for ensuring that all of the storm water control measures identified in the SWQP are also included on the approved Improvement Plans and will be constructed with the project.

Form 6-1 Post-Construction Storm Water BMPs

List each BMP included in the SWQP and the corresponding plan sheet number on the Improvement Plans. Create a copy of Form 6-1 and include it on the cover of the Improvement Plans.

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Glossary

Baseline Hydromodification Management Measures – Storm water control measures designed to mitigate hydromodification on Regulated Projects that are not Hydromodification Management Projects.

Best Management Practices (BMPs) – Methods, measures, or practices designed and selected to reduce or eliminate the discharge of pollutants to surface waters from point and non-point source discharges including storm water. BMPs include structural, which are permanent, and non-structural controls and operation and maintenance procedures, which when implemented prevents, controls, removes, or reduces pollution from entering surface waters.

Bioretention – Post-construction storm water treatment BMP that treats storm water runoff vertically through an engineered soil filter media and vegetation and retains storm water runoff on-site through infiltration or evapotranspiration.

Bioswale – Shallow channels lined with grass and used to convey and store runoff.

Brownfields - Sites with soil contamination.

Buffer – A forested or otherwise vegetated area located between water bodies such as streams, wetlands, and lakes that provides a permanent barrier against runoff from development, agriculture, construction, and other land uses. Buffers are designed to filter pollutants in storm water runoff before the pollutants reach surface waters.

California Environmental Quality Act (CEQA) Approval – Formal approval of a proposed project under CEQA (California environmental legislation that establishes procedures for conducting an environmental analysis for all projects in California [California Public Resources Code, Section 21000, et. seq.]).

California State Water Resources Control Board (SWRCB) - The state-level entity that regulates storm water runoff and treatment in California.

California Stormwater Quality Association (CASQA) – Statewide association of municipalities, storm water quality managers, and other interested parties. Publisher of the California Stormwater Best Management Practices Handbooks, available at www.cabmphandbooks.com. Successor to the Storm Water Quality Task Force (SWQTF).

Check Dam – Structures constructed of a non-erosive material, such as suitably sized aggregate, wood, gabions, riprap, or concrete, used to slow water to allow sedimentation, filtration, evapotranspiration, and infiltration into the underlying native soil. Check dams can be employed in practices such as dry and enhanced grass swales.

Clean Water Act (CWA) – (33 U.S.C. 1251 et seq.) The Federal Water Pollution Control Act.

Common/Larger Plan of Development or Sale – A contiguous area, plan area, specific plan, subdivision or any other project site that has evaluated storm water management and may be phased in the future or where multiple, distinct construction activities may be taking place at different times under one plan.

Conveyance System – Any channel, swale, gutter, or pipe for collecting and directing storm water.

Curb Cuts – Curb openings that allow storm water runoff to enter landscaped areas, vegetated swales, planters, rain gardens, and other BMP features.

Design Engineer – Engineer responsible for preparing the SWQP for Regulated Projects, site design, and site plan.

Design Storm – A synthetic rainstorm based on historic rainfall data. For purposes of this Manual, the design storm is defined as the volume of runoff produced from the 85th percentile, 24-hour storm event. In the West Placer County Phase II MS4 Permit area, the 85th percentile, 24-hour storm event varies with elevation as follows:

Elevation	85 th Percentile 24-Hour Storm Depth (Inches)
< 500 ft.	0.9
500 – 1,000 ft.	1.0
1,000 – 1,500 ft.	1.1

Detached Single-family Home Project – The building of one single new house or the addition and/or replacement of impervious surface associated with one single existing house, which is not part of a larger plan of development.

Storm Water Detention – The practice of temporarily storing peak storm water flows in basins, ponds, vaults, within berms, or in depressed areas and controlling the discharge rates into the storm drain system or receiving water. The detention process allows sediment and associated pollutants to settle out of the runoff.

Development – Any construction, rehabilitation, redevelopment, or reconstruction of any public or private residential project (whether single-family, multi-unit or planned unit development); industrial, commercial, retail and other non-residential projects, including public agency projects; or mass grading for future construction. It does not include routine maintenance to maintain original line and grade, hydraulic capacity, or

original purpose of facility, nor does it include emergency construction activities required to immediately protect public health and safety.

Direct Discharge – A discharge that is routed directly to waters of the United States by means of a pipe, channel, or ditch (including a municipal separate storm sewer system), or through surface runoff.

Directly Connected Impervious Area (DCIA) or Surface – Any impervious surface which drains directly into the storm drain system without first allowing flow through a pervious area (e.g., lawn).

Discharger – Any responsible party or site owner or operator within the Permittees' jurisdiction whose site discharges storm water or non-storm water runoff.

Disconnected Pavement – An impervious area that drains through a pervious area prior to discharge to the storm drain system.

Drainage Management Area (DMA) – A discrete area within a project site that contributes all precipitation falling within its boundaries to a single common outflow point, and is defined for the purpose of siting and designing storm water control measures in accordance with the Phase II MS4 Permit.

Drawdown Time – The time required for a storm water detention or infiltration BMP to drain and return to the dry-weather condition. For detention BMPs, drawdown time is a function of basin volume and outlet orifice size. For infiltration BMPs, drawdown time is a function of basin volume and infiltration rate.

Environmentally Sensitive Area (ESA) – A designated area that requires special protection because of its landscape, wildlife, and/or historical value.

Erosion – The physical detachment of soil due to wind or water. Often the detached fine soil fraction becomes a pollutant transported storm water runoff. Erosion occurs naturally, but can be accelerated by land disturbance and grading activities such as farming, development, road building, and timber harvesting.

Evapotranspiration (ET) – The general uptake and release of water by vegetation to the atmosphere.

Existing Road Project – Proposed redevelopment street/road project that will modify or redevelop an existing transportation surface in a manner that increases the surface footprint or impervious area of the roadway.

Filter Strip – Bands of closely-growing vegetation, usually grass, planted between pollution sources and downstream receiving water bodies.

Filtration Rate – The rate at which fluid passes through a porous medium (or media).

Flow-Based Treatment Control Measures – Storm water quality treatment measures that rely on flow capacity to treat storm water. These measures remove pollutants from a moving stream of water through filtration, infiltration, adsorption, and/or biological processes (e.g., vegetated swales and filter strips).

Flow-Through Planters – Structural landscaped reservoirs placed on impervious surfaces used to collect, filter, and temporarily store storm water runoff, allowing pollutants to settle and filter out as the water percolates through the planter soil until flowing through to an approved conveyance.

Green Roof – Conventional rooftops that include a thin covering of vegetation allowing the roof to function more like a vegetated surface. The layer thickness varies between 2-6 inches and consists of vegetation, waterproofing, insulation, fabrics, growth media, and other synthetic components.

Green Street – A Green Street uses a natural systems approach to reduce storm water flow, improve water quality, reduce urban heating, enhance pedestrian safety, reduce carbon footprints, and beautify neighborhoods. Green Street features include vegetated curb extensions, sidewalk planters, landscaped medians, vegetated swales, permeable paving, and street trees. (EPA, 2009)

Groundwater – Water that is underground in cracks and spaces in soil, sand, and rocks. The layers of soil, sand, and rocks are also known as aquifers.

Groundwater Recharge – The replenishment of existing natural water bearing subsurface layers of porous stone, sand, gravel, silt or clay via infiltration.

Hydrograph – Runoff flow rate plotted as a function of time.

Hydrologic Cycle – The movement of rainfall from the atmosphere to the land surface, to receiving waters and then back to the atmosphere through evaporation.

Hydrologic Soil Group – A soil classification system created by the National Resource Conservation Service (formerly Soil Conservation Service) based on the ability to convey and store water; divided into four groups:

- A – well drained sands and gravel, high infiltration capacity, high leaching potential and low runoff potential;
- B – Moderately drained fine to coarse grained soils, moderate infiltration capacity, moderate leaching potential and moderate runoff potential;
- C – Fine grained, low infiltration capacity, low leaching potential and high runoff potential;

- D – Clay soils, very low infiltration capacity, very low leaching potential and very high runoff potential.

Typical Infiltration Rates

Soil Type (Hydrologic Soil Group)	Infiltration Rate (in/hr.)
A	1.00 – 8.3
B	0.5 – 1.00
C	0.17 – 0.27
D	0.02 – 0.10
Infiltration rates shown represent the range covered by multiple sources, e.g., ASCE, BASMAA, etc.	

Hydrology – The science dealing with the waters of the earth, their distribution on the surface and underground, and the cycle involving evaporation, precipitation, and flow to the seas.

Hydromodification – Modification of hydrologic pathways (precipitation, surface runoff, infiltration, groundwater flow, return flow, surface-water storage, groundwater storage, evaporation and transpiration) that results in negative impacts to watershed health and functions. Hydromodification results in an artificially altered rate of natural channel erosion and sedimentation processes.

Impaired Water Body – A waterbody (i.e., stream reaches, lakes, waterbody segments) with chronic or recurring monitored violations of the applicable numeric and/or narrative water quality criteria. An impaired water is a water that has been listed on the California 303(d) list or has not yet been listed but otherwise meets the criteria for listing. A water is a portion of a surface water of the state, including ocean, estuary, lake, river, creek, or wetland. The water currently may not be meeting state water quality standards or may be determined to be threatened and have the potential to not meet standards in the future. The State of California's 303(d) list can be found at <http://www.swrcb.ca.gov/quality.html>.

Impervious Surface – A surface covering or pavement of a developed parcel of land that prevents the land's natural ability to absorb and infiltrate rainfall/storm water.

Infiltration – The entry of water into the soil. Infiltration rate (or infiltration capacity) is the maximum rate at which a soil in a given condition will absorb water.

Jurisdictional Agency – The municipal agency/agencies with approval authority for private and public projects that fall under the requirements of the Phase II MS4 Permit.

Linear Underground/Overhead Projects (LUPs) – Include, but are not limited to, any conveyance, pipe, or pipeline for the transportation of any gaseous, liquid (including water and wastewater for domestic municipal services), liquescent, or slurry substance; any cable line or wire for the transmission of electrical energy; any cable line or wire for communications (e.g., telephone, telegraph, radio, or television messages); and associated ancillary facilities. Construction activities associated with LUPs include, but are not limited to, (a) those activities necessary for the installation of underground and overhead linear facilities (e.g., conduits, substructures, pipelines, towers, poles, cables, wires, connectors, switching, regulating and transforming equipment, and associated ancillary facilities); and include, but are not limited to, (b) underground utility mark-out, potholing, concrete and asphalt cutting and removal, trenching, excavation, boring and drilling, access road and pole/tower pad and cable/wire pull station, substation construction, substructure installation, construction of tower footings and/or foundations, pole and tower installations, pipeline installations, welding, concrete and/or pavement repair or replacement, and stockpile/borrow locations.

Low Impact Development (LID) – A sustainable practice that benefits water supply and contributes to water quality protection. Unlike traditional storm water management, which collects and conveys storm water runoff through storm drains, pipes, or other conveyances to a centralized storm water facility, LID takes a different approach by using site design and storm water management to maintain the site's pre-development runoff rates and volumes. The goal of LID is to approximate a site's pre-development hydrology by using design techniques that infiltrate, filter, store, evaporate, and detain storm water runoff close to the source of rainfall.

Maximum Extent Practicable (MEP) – The minimum required performance standard for implementation of municipal storm water management programs to reduce pollutants in storm water. Clean Water Act § 402(p)(3)(B)(iii) requires that municipal permits "shall require controls to reduce the discharge of pollutants to the maximum extent practicable, including management practices, control techniques and system, design and engineering methods, and such other provisions as the Administrator or the State determines appropriate for the control of such pollutants." MEP is the cumulative effect of implementing, evaluating, and making corresponding changes to a variety of technically appropriate and economically feasible BMPs, ensuring that the most appropriate controls are implemented in the most effective manner. This process of implementing, evaluating, revising, or adding new BMPs is commonly referred to as the iterative process.

Municipal Separate Storm Sewer System (MS4) – The regulatory definition of an MS4 (40 CFR 122.26(b)(8)) is "a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains): (i) Owned or operated by a state, city, town, borough, county, parish, district, association, or other public body (created to or pursuant to state law)

including special districts under state law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the Clean Water Act that discharges into waters of the United States. (ii) Designed or used for collecting or conveying storm water; (iii) Which is not a combined sewer; and (iv) Which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2."

In practical terms, operators of MS4s can include municipalities and local sewer districts, state and federal departments of transportation, public universities, public hospitals, military bases, and correctional facilities. The Storm Water Phase II Rule added federal systems, such as military bases and correctional facilities by including them in the definition of small MS4s.

National Pollutant Discharge Elimination System (NPDES) – A national program for issuing, modifying, revoking and reissuing, terminating, monitoring and enforcing permits, and imposing and enforcing pretreatment requirements, under sections 307, 402, 318, and 405 of the Clean Water Act.

Natural Resources Conservation Service (NRCS) – NRCS provides technical expertise and conservation planning for farmers, ranchers and forest landowners wanting to make conservation improvements to their land.

Non-Storm water Discharge – Any discharge to a storm drain that is not composed entirely of storm water. Certain non-storm water discharges are authorized per the NPDES Municipal Stormwater Permits.

Open Space – Pervious area within the project that is subtracted from the total project area to reduce the area used in sizing treatment and LID BMPs. For LID implementation, open space includes, but is not limited to, natural storage reservoirs, drainage corridors, buffer zones for natural water bodies, and flood control detention basins.

Operations and Maintenance (O&M) – Continuing activities required to keep storm water management facilities and their components functioning in accordance with design objectives.

Outfall – A point source, as defined by 40 CFR 122.2, at the point where an MS4 discharges to waters of the United States and does not include open conveyances connecting two MS4s, or pipes, tunnels or other conveyances which connect segments of the same stream or other waters of the United States and are used to convey waters of the United States.

Peak Discharge Rate – The maximum instantaneous rate of flow (volume of water passing a given point over a specific duration, such as cubic feet per second) during a storm, usually in reference to a specific design storm event.

Permeable – Soil or other material that allows the infiltration or passage of water or other liquids.

Permeable or Pervious Pavement – Asphalt or concrete rendered porous by the aggregate structure surfaces that allow water to pass through voids in the paving material and/or between paving units while providing a stable, load-bearing surface. An important component to permeable pavement is the reservoir base course, which provides stability for load-bearing surfaces and underground storage for runoff.

Permittee/Permittees – Municipal agency/agencies and non-traditional small MS4s that are named in and subject to the requirements of the Phase II MS4 Permit.

Phase II MS4 Permit - SWRCB Water Quality Order No. 2013-001-DWQ, NPDES General Permit No. CAS000004, Waste Discharge Requirements for Storm Water Discharges from Small MS4s.

Placer County Aquatic Resources Program (CARP) – A multidisciplinary approach for identifying, classifying, ranking, and protecting the aquatic resources of western Placer County. Broadly defined, aquatic resources are those now regulated by the U.S. Army Corps of Engineers, CVRWQCB, the California Department of Fish and Game, and the City of Lincoln and Placer County General Plans.

Placer County Conservation Plan (PCCP) – A Placer County-proposed solution to coordinate and streamline the permitting process by allowing local entities to issue state and federal permits. The proposed PCCP is a Habitat Conservation Plan (HCP) under the Federal Endangered Species Act and a Natural Community Conservation Plan (NCCP) under the California Natural Community Conservation Planning Act.

Placer County Stormwater Management Manual (SWMM) – A guidance manual produced by the Placer County Flood Control District and Water Conservation District to provide consistent, specific guidance and requirements for storm water management, including regulation of the development process, to achieve storm water management objectives.

Pollutant – Those substances defined in CWA §502(6) (33.U.S.C. §1362(6)) and incorporated by reference into California Water Code §13373.

Porosity – Ratio of pore volume to total solids volume.

Project Owner – Owner of a parcel proposed for development or redevelopment.

Rain Event or Storm Event – Any rain event greater than 0.1 inch in 24 hours except where specifically stated otherwise.

Rain Garden – A lot-level bioretention cell designed to receive and detain, infiltrate, and filter storm water runoff, typically used for discharge from roof leaders.

Rainwater Harvesting – The practice of intercepting, conveying, and storing rainwater for future use. Captured rainwater is typically used for outdoor non-potable water uses such as irrigation and pressure washing, or in the building to flush toilets or urinals or other uses that do not require potable water.

Receiving Water – Surface water that receives regulated and unregulated discharges from activities on land.

Recharge – The infiltration and movement of surface water into the soil, past the vegetation root zone, to the zone of saturation or water table.

Reconstruction – The removal and replacement of paving material down to subgrade.

Redevelopment – Land-disturbing activity that results in the creation, addition, or replacement of exterior impervious surface area on a site on which some past development has occurred. Redevelopment does not include trenching, excavation and resurfacing associated with LUPs; pavement grinding and resurfacing of existing roadways; construction of new sidewalks, pedestrian ramps, or bike lanes on existing roadways; or routine replacement of damaged pavement such as pothole repair or replacement of short, non-contiguous sections of roadway.

Regional Water Quality Control Board (RWQCB) – California RWQCBs are responsible for implementing pollution control provisions of the Clean Water Act and California Water Code within their jurisdiction.

Regulated Project – Refers to projects subject to the new and redevelopment standards in Section E.12 in the Phase II MS4 Permit.

Regulated Small MS4 – A Small MS4 that discharges to a water of the United States or to another MS4 regulated by an NPDES permit and has been designated as regulated by the SWRCB or RWQCB under criteria provided in the Phase II MS4 Permit.

Retention – The practice of holding storm water in ponds or basins and allowing it to slowly infiltrate to groundwater. Some portion will evaporate. Also see infiltration.

Retrofitting – Improving pollution and/or flow control at existing developments and facilities to protect or restore beneficial uses and watershed functions.

Riparian Areas – Plant communities contiguous to and affected by surface and subsurface hydrologic features of perennial or intermittent waterbodies. Riparian areas have one or both of the following characteristics: 1) distinctively different vegetative species than adjacent areas, and 2) species similar to adjacent areas but exhibiting more vigorous or robust growth forms. Riparian areas are usually transitional between wetland and upland.

Runoff – Water flowing across the land that does not infiltrate the soil, but drains into surface or groundwater, or when rainfall exceeds the infiltration capacity of the land.

Run-on – Storm water surface flow or other surface flow that enters property that did not originate onsite.

Setback – The minimum distance that design elements must be placed from other elements. For example, houses usually have front, side, and rear yard setbacks from streets and other buildings.

Site Design Measure – Typically small, distributed structural or non-structural measures that aim to reduce the volume of storm water runoff close to the source of the rainfall.

Soil Amendment – Minerals and organic material added to soil to increase its capacity for absorbing moisture and sustaining vegetation.

Source Control – Land use or site planning practices, or structural or non-structural measures, that aim to prevent pollution of runoff by reducing the potential for contact with runoff at the source of pollution. Source control measures minimize the contact between pollutants and urban runoff.

Storm Water – Storm water is generated when precipitation from rain and snowmelt events flows over land or impervious surfaces and does not percolate into the ground. As storm water flows over the land or impervious surfaces, it accumulates debris, chemicals, sediment or other pollutants that could adversely affect water quality if the storm water is discharged untreated.

Storm Water Management – The process of collecting, conveying, storing, treating, and disposing of storm water to ensure control of the magnitude and frequency of runoff to minimize the hazards associated with flooding and the impact on water quality caused by manmade changes to the land.

Storm Water Quality Plan (SWQP) – The SWQP documents a project's compliance with the Phase II MS4 Permit and provides a standardized application form that produces complete and accurate submittals which result in more efficient reviews and project approvals.

Surface Loading Rate (R_{surf}) – A hydraulic loading factor, expressed in terms of flow over surface area, representing the flow rate of storm water runoff over the surface area of the treatment measure (i.e. a bioretention cell).

Swale – A shallow storm water channel that can be vegetated with some combination of grasses, shrubs, and/or trees designed to slow, filter, and often infiltrate storm water runoff.

Total Maximum Daily Loads (TMDLs) – The maximum amount of a pollutant that can be discharged into a water body from all sources (point and nonpoint) and still meet water quality standards. Under CWA section 303(d), TMDLs must be developed for all water bodies that do not meet water quality standards even after application of technology-based controls, more stringent effluent limitations required by a state or local authority, and other pollution control requirements such as BMPs.

Treatment – The application of engineered systems that use physical, chemical, or biological processes to remove pollutants. Such processes include, but are not limited to, filtration, gravity settling, media absorption, biodegradation, biological uptake, chemical oxidation, and ultraviolet light radiation.

Treatment Control Measure – Any engineered system designed to remove pollutants by simple gravity settling of particulate pollutants, filtration, biological uptake, media absorption, or any other physical, biological, or chemical process.

Tributary Area – The physical area that drains to a specific BMP or drainage feature.

Underdrain – A perforated pipe used to assist the draining of soils in some LID applications that have impaired infiltration.

Urban Runoff – Any runoff from urbanized areas that enters the MS4 including storm water and dry weather flows from a drainage area that reaches a receiving water body or subsurface. During dry weather, urban runoff may be comprised of groundwater base flow and/or nuisance flows, such as excess irrigation water.

Vegetated Filter Strip – Gently sloping, densely vegetated areas that treat runoff as sheet flow from adjacent impervious areas. They function by slowing runoff velocity and filtering out suspended sediment and associated pollutants, and by providing some infiltration into underlying soils. Also known as buffer strips and grassed filter strips.

Vegetated Swale – A long and narrow, trapezoidal or semicircular channel, planted with a variety of trees, shrubs, and grasses or with a dense mix of grasses. Storm water runoff from impervious surfaces is directed through the swale, where it is slowed and in some cases infiltrated, allowing pollutants to settle out. Check dams are often used to create small ponded areas to facilitate infiltration.

Volume-Based Treatment Control Measures – Storm water quality treatment measures that rely on volume capacity to treat storm water runoff. These measures detain or retain runoff and treat it primarily through settling or infiltration. Examples: detention and infiltration basins, porous pavement and storm water planters (bioretention).

Water Quality Flow (WQF) – For storm water treatment BMPs that depend on flow-through processes, such as filtration, to work, the flow rate of water that must be passed through the facility to achieve maximum extent practicable pollutant removal.

Water Quality Volume (WQV) – For storm water treatment BMPs that depend on detention to work, the volume of water that must be detained to achieve maximum extent practicable pollutant removal.

Water Table – Subsurface water level defined by the level below which all the spaces in the soil are filled with water; the entire region below the water table is called the saturated zone.

Web Soil Survey (WSS) – An interactive, internet-based soils database developed and administered by NRCS.

Wet Season (Rainy Season) – For the West Placer region, the calendar period beginning October 1 and ending April 30. Note: This differs from the California Department of Fish and Wildlife's wet weather definition, which is October 15 – April 15.

Appendix A
Automated Template for Post-Construction Storm
Water Quality Plan

(Provided in Electronic Format Only)

<http://www.placer.ca.gov/lowimpactdevelopment>

Appendix B
BMP Fact Sheets

STREAM SETBACK AND BUFFERS

Fact Sheet SDM-1

Also known as: Aquatic buffers, riparian setbacks

DESCRIPTION

Stream setbacks and buffers are vegetated areas that exist or are established along a stream system, lake, reservoir, or wetland area where development is restricted or prohibited. They consist of trees, shrubs, and herbaceous vegetation that separates and physically protects aquatic ecosystems and habitats from future disturbance or encroachment. Stream setbacks and buffers can either be preserved natural areas or engineered BMPs specifically designed to treat stormwater runoff before it enters a stream, shore, or wetland.



Stream zone avoidance in south Placer County.
Source: Placer County Conservation Plan

ADVANTAGES

- Can be used as part of a treatment train with other BMPs.
- Can provide high level water quality treatment with proper design.
- Limits development in floodplain areas.
- Improves aesthetics.
- Improves quality of aquatic ecosystems and habitats.
- Serves as foundation for present or future greenways.

LIMITATIONS

- A minimum stream setback and buffer width of 500 feet is required to obtain stormwater runoff reduction credits.
- Restrictions on available space for development.
- Potential establishment of nuisance species.
- Not suitable for treating point-source stormwater discharges (i.e. end of pipe).
- Can be difficult to delineate and demarcate stream setback and buffer widths.
- Natural stream shifts may alter stream setback and buffer widths.

KEY DESIGN FEATURES

The ability of a particular stream setback and buffer to function effectively depends on how well the buffer is planned or designed. In general, the following guidelines should be followed (for more information see *The Architecture of Urban Stream Buffers*, *The Practice of Watershed Protection: Article 39*):

- Maintain the stream setback and buffer in an ungraded and uncompacted condition.
- Protect the stream setback and buffer from vehicular traffic to reduce compaction.
- The contributing overland slope should be 5% or less unless a level spreader is used.
- Adopt a vegetative target based on predevelopment plant community.
- Expand the width of the middle zone to pick up wetlands, slopes and larger streams.
- Use clear and measurable criteria to delineate the origin and boundaries of the buffer.

STREAM SETBACK AND BUFFERS

Fact Sheet SDM-1

- The number and conditions for stream and buffer crossings should be limited.
- The use of buffer for stormwater runoff treatment should be carefully prescribed.
- Buffer boundaries should be visible before, during, and after construction.
- Buffer education and enforcement are needed to protect buffer integrity.



Photo Source: USGS

A minimum stream setback and buffer width of 500 feet is required to obtain runoff volume reduction credits.

However, smaller stream setbacks and buffers may be required by local jurisdictions even if runoff volume reduction credits are not obtainable. For areas within the West Placer County Phase II MS4 Permit boundary, local ordinances should be reviewed to determine required stream setback widths at a particular site.

SIZING DESIGN GOALS AND REQUIREMENTS

The Post-Construction Storm Water Quality Plan (SWQP) Form 3-4 should be used to calculate the retention volume (V_{ret}) of the Stream Setback and Buffer. This value is then used to calculate the area of impervious surface treated, and determine if other site design measures are necessary to capture the 85th percentile, 24-hour design storm for Regulated Projects. The equation for determining V_{ret} is as follows:

$$V_{ret} = A_{imp} * V_{85} * (1/12)$$

Where:

- V_{ret} = stormwater retention volume (ft³);
- A_{imp} = impervious area draining to the stream setback (ft²); and
- V_{85} = Runoff volume from 85th percentile, 24-hour design storm (in)

RUNOFF REDUCTION CREDIT REQUIREMENTS

- A minimum stream setback and buffer width of 500 feet is required to obtain runoff volume reduction credits.

INSPECTION AND MAINTENANCE REQUIREMENTS

A maintenance plan shall be provided with the SWQP. The maintenance plan shall include recommended maintenance practices, state the parties responsible for maintenance and upkeep, specify the funding source for ongoing maintenance, and provide a site specific inspection checklist. At a minimum, maintenance shall include the following:

- Establish and manage distinctions of allowable and unallowable uses in each buffer zone.
- Clearly identify buffer boundaries and maintain clear signs or markers defining buffer extents.
- Inspect newly established vegetation semi-annually to determine if landscape maintenance is needed (reseeding, irrigation, trimming, weed removal, etc.).
- Inspect disturbed and revegetated slopes semi-annually for erosion and repair as needed.
- Inspect trails, paths, and bridges annually for erosion or structural issues and repair as necessary.

STREAM SETBACK AND BUFFERS

Fact Sheet SDM-1

REFERENCES

Schueler, T. 2000. The Architecture of Urban Stream Buffers, The Practice of Watershed Protection: Article 39. Center for Watershed Protection, Ellicott City, MD. Pages 225-233. Available for download at:

http://www.cwp.org/online-watershed-library/cat_view/63-research/70-watershed

Stormwater Center, Aquatic Buffers Fact Sheet: Buffer Zones. Available online at:

http://www.stormwatercenter.net/Assorted%20Fact%20Sheets/Tool3_Buffers/BufferZones.htm

U.S. Environmental Protection Agency. Aquatic Buffer Model Ordinance. Available online at:

http://water.epa.gov/polwaste/nps/upload/2002_09_19_NPS_ordinanceuments_Buffer_model_ordinance1.pdf

SOIL QUALITY IMPROVEMENT AND MAINTENANCE

Fact Sheet SDM-2

Also known as: Soil amendments, engineered soils

DESCRIPTION

The quality of existing soils on a project site can be improved by implementing soil amendments that alter the physical, chemical, and biological characteristics of the soil. Soil amendments can help restore disturbed soils by increasing organic matter content and reducing compaction. Amendments can also make soils with high clay content (i.e. hydrologic soil groups [HSG] C and D) more suitable to receive and filter/infiltrate site runoff. Soil amendments consist of humus such as compost and aged manure; fibrous materials such as peat, wood chips, and hardwood bark; inorganic materials such as vermiculite and perlite; and other soil conditioners and fertilizers as appropriate. The practice can increase infiltration rates, plant survival rates and health, enhance root growth, provide erosion stabilization, and decrease need for irrigation and fertilization.



Photo Source: U.S. EPA

ADVANTAGES

- Improves soil infiltration rates.
- Reduces surface runoff quantities and erosion.
- Improves soil filtration capabilities and pollutant removal.
- Enhances plant survival rates and health.
- Decreases need for landscape irrigation and fertilization.

LIMITATIONS

- Not recommended for slopes steeper than 3:1.
- Could result in increased water table elevations, lateral groundwater flows and other conditions that may create unwanted seepage or flooding at down gradient locations.

KEY DESIGN FEATURES

The type, mix, and amounts of soil amendments will vary from site to site in response to the local soil conditions and type of desired vegetation. Existing soils must be sampled and analyzed to determine soil characteristics and identify appropriate amendment types and quantities. Soil amendments should consist primarily of compost mixed with other materials as necessary. Detailed material and testing specifications for compost are provided in the [Low Impact Development Center's Soil Amendment – Compost Specification](#).

Before soil amendments are applied, use a rototiller, soil ripper, or other equipment to loosen existing soils to the desired depth. Loosening soils below the depth of the amended soil layer will further improve infiltration. Design depths of soil amendment areas range from 6 inches minimum to several feet. Soil amendments should then be applied over the loosened soil area and incorporated into the existing soil until fully mixed. The amended soil should then be watered thoroughly and allowed to settle for at least one week prior to final grading. Seeding and planting should be performed immediately after final grading is complete.

SOIL QUALITY IMPROVEMENT AND MAINTENANCE

Fact Sheet SDM-2

SIZING DESIGN GOALS AND REQUIREMENTS

A qualified Geotechnical Engineer, Geologist, or Hydrogeologist should be consulted for the implementation of this Site Design Measure. The Post-Construction Storm Water Quality Plan (SWQP) Form 3-4 should be used to calculate the retention volume (V_{ret}) of the soil quality improvement and maintenance area. This value is then used to calculate the area of impervious surface treated, and determine if other site design measures are necessary to capture the 85th percentile, 24-hour design storm for Regulated Projects. The equation for determining V_{ret} is as follows:

$$V_{ret} = (A_{pond} * D_{pond}) + (A_{sa} * D_{sa} * n)$$

Where:

V_{ret} = stormwater retention volume (ft³);
 A_{pond} = ponding area (ft²);
 D_{pond} = ponding depth (ft);
 A_{sa} = soil amendment area (ft²);
 D_{sa} = depth of amended soil (ft); and
 n = porosity of amended soil

Soil quality improvement and maintenance areas must meet the ideal bulk densities provided in Table 1 below. Soil porosity (n) in the above equation is calculated as follows:

$$n = 1 - (\rho_{sa} / 2.65 \text{ g/cm}^3)$$

Where:

n = porosity of amended soil; and
 ρ_{sa} = bulk density of amended soil (g/cm³)

Table 1. Ideal Bulk Densities for Amended Soils (grams/cm³)

Sands, loamy sands	<1.6
Sandy loams, loams	<1.4
Sandy clay loams, clay loams	<1.4
Silts, silt loams	<1.3
Silt loams, silty clay loams	<1.1
Sandy clays, silty clays, clay loams	<1.1
Clays (>45% clay)	<1.1

Data source: USDA NRCS

INSPECTION AND MAINTENANCE REQUIREMENTS

A maintenance plan shall be provided with the SWQP. The maintenance plan shall include recommended maintenance practices, state the parties responsible for maintenance and upkeep, specify the funding source for ongoing maintenance, and provide a site specific inspection checklist. At a minimum, maintenance shall include the following:

- Soil should be planted and mulched after installation. No part of the site should have bare soil exposed.
- Compaction of amended soils should be avoided.
- Amended soils should be inspected annually for signs of compaction, waterlogging, loss of vegetated cover, or erosion.
- Corrective actions include application of additional amendments and mechanical aeration.

SOIL QUALITY IMPROVEMENT AND MAINTENANCE

REFERENCES

Low Impact Development Center, Inc. 2003. Soil Amendment - Compost Specification. Available online at: <http://www.lowimpactdevelopment.org/epa03/soilamend.htm>

Low Impact Development Center, Inc. 2010. Low Impact Development Manual for Southern California: Technical Guidance and Site Planning Strategies. Available online at: <https://www.casqa.org/sites/default/files/downloads/socallid-manual-final-040910.pdf>

U.S. Environmental Protection Agency. 2007. The Use of Soil Amendments for Remediation, Revitalization, and Reuse. Available online at: <http://nepis.epa.gov/Exe/ZyPDF.cgi/60000LQ7.PDF?Dockkey=60000LQ7.PDF>

TREE PLANTING AND PRESERVATION

Fact Sheet SDM-3

Also known as: Interceptor Trees

DESCRIPTION

Tree planting and preservation involves planting of new trees and preservation of existing trees to reduce stormwater runoff volumes from a new development or redevelopment site. Trees intercept rain water on their leaves and branches before it lands on impervious surface below, allowing rain water to evaporate or run down the branches and trunk of the tree where it readily infiltrates into the soil. Trees absorb infiltrated runoff through their roots and further reduce stormwater runoff by means of transpiration. Trees also provide shade over impervious surfaces which reduces the “heat island” effects of urban areas. Tree planting and preservation should be implemented on residential lots, throughout landscape corridors, in commercial and industrial parking lots, and along street frontages.



Photo Source: wfrc.org

ADVANTAGES

- Reduces stormwater runoff volumes and the amount of pollutants entering downstream BMPs and the storm drain system.
- Enhances aesthetic value.
- Provides shade to cool pavement and reduces surface runoff temperatures.
- Aids in removal of air pollutants and noise reduction.
- Trees required by the permitting agency may be counted as interceptor trees.
- Establishes habitat for birds and other pollinators like butterflies and bees.
- Extends life of asphalt paving.

LIMITATIONS

- Great care must be exercised when work is conducted near existing trees to be preserved.
- New and existing trees may require irrigation.
- New and existing trees must have adequate setback from buildings, structures, and utilities.
- Incorrect tree selection can result in high irrigation costs and pest infestation.
- Runoff reductions are dependent on the canopy area over the impervious surfaces created by the project.

KEY DESIGN FEATURES

- Appropriate new trees must be selected according to site and soil characteristics. Refer to the [Local Landscape Design Guidelines](#) for more information.
- Involve an arborist in the design process.
- Fire safety must be a consideration in areas with increased risk of fire hazard.

TREE PLANTING AND PRESERVATION

Fact Sheet SDM-3

- Consider the future size/canopy and root zone of the fully-grown mature species when locating trees on the site, providing proper clearance from building foundations, pavement and overhead/underground utilities. Ideally, provide a setback of 10 to 15 feet from the expected 10-year canopy to overhead lines.
- Utilize approved root barriers when trees are planted in near proximity to infrastructure, per the local permitting agency standards.
- Evergreen trees provide the greatest benefit to water quality due to their retention of leaves throughout the rainy season.
- Install irrigation systems according to local specifications.
- Do not install grass or turf within 24 inches of the tree trunk.
- Use mulch around the base of newly planted trees to reduce irrigation needs and protect bare soils from erosion. Consult an Arborist or nursery on appropriate amounts and types.

SIZING DESIGN GOALS AND REQUIREMENTS

The Post-Construction Storm Water Quality Plan (SWQP) Form 3-4 should be used to calculate the retention volume associated with tree planting and preservation. This value is then used to calculate the area of impervious surface treated, and determine if other site design measures are necessary to capture the 85th percentile, 24-hour design storm for Regulated Projects. The equation for determining V_{ret} is as follows:

$$V_{ret} = ((n_e * 218) + (n_d * 109) + A_{tc}) * (V_{85} * 1 \text{ ft}/12\text{in})$$

Where:

V_{ret}	= stormwater retention volume (ft ³);
n_e	= number of new evergreen trees;
n_d	= number of new deciduous trees;
A_{tc}	= canopy area of existing trees to remain on the property (ft ²)
V_{85}	= runoff volume from the 85th percentile, 24-hour design storm (in)

INSPECTION AND MAINTENANCE REQUIREMENTS

A maintenance plan shall be provided with the SWQP. The maintenance plan shall include recommended maintenance practices, state the parties responsible for maintenance and upkeep, specify the funding source for ongoing maintenance, and provide a site specific inspection checklist. At a minimum, maintenance shall include the following:

- Irrigate as necessary to establish and maintain trees.
- Remove fallen leaves and debris annually to prevent materials from being transported in stormwater runoff.
- Prune dead vegetation from trees on a regular basis.
- Minimize the use of chemical fertilizers and pesticides.
- Maintain lawn and turf at least 24 inches from trunk of tree.
- Remove and replace dead trees as needed.

REFERENCES

Placer County Planning Services Division. 2013. Placer County Landscape Design Guidelines.

Available online at: <http://www.placer.ca.gov/~media/cdr/Planning/documents/DesignGuides/Landscape%20Design%20Guidelines.pdf>

Sacramento County, et al. 2014. Stormwater Quality Design Manual for the Sacramento Region. Available online at: http://www.beriverfriendly.net/docs/files/Master%20Stormwater%20Quality%20Manual%202014_FINAL_W%20APPEND_W%20COVER.pdf

ROOFTOP AND IMPERVIOUS AREA DISCONNECTION

Fact Sheet SDM-4

Including: Downspout Disconnection, Pavement Disconnection, and Flowpath Disconnection.

OVERVIEW

Rooftop and impervious area disconnection are techniques that reduce the volume of stormwater delivered to storm drains or receiving waters by disconnecting the runoff from these areas and redirecting it to permeable locations that promote soil filtration and runoff infiltration. This can be accomplished by configuring roof gutter downspouts and impervious areas (e.g., driveways, pathways, small parking areas, and patios) to discharge runoff into landscaped areas, rain barrels and cisterns, or designed stormwater management areas such as vegetated swales, stream buffers, amended soil areas, and bioretention cells.



Rooftop disconnection. Source: LID Center

This Fact Sheet is organized to include separate sections for rooftop disconnection, and impervious area disconnection. Details on specific stormwater management strategies discussed herein, including stream setbacks and buffers, soil quality improvement and maintenance, porous pavement, vegetated swales, rain barrels and cisterns, and bioretention, can be found in other Fact Sheets included in this manual.

ROOFTOP DISCONNECTION

Roof drains and downspouts can be disconnected from the storm drain system by routing discharge to vegetated areas or into subsurface infiltration systems. The two rooftop disconnection methods discussed in this Fact Sheet include splash blocks and bubble-up emitters which both provide means of dissipating flow energy and spreading flows over the pervious area. Rooftop drainage is also ideal for harvest/reuse applications; refer to the Rain Barrels and Cisterns Fact Sheet for more information.

SPLASH BLOCK

Splash blocks are a low tech and cost efficient option to hard piped downspout systems. Existing downspouts can easily be retrofitted using splash blocks that reduce the velocity and impact of runoff discharging from downspouts. This reduces soil erosion and promotes infiltration.

ADVANTAGES

- Reduces peak flow rates and total runoff volumes.
- Directs runoff away from foundations and structures.
- Simple to implement in retrofit applications.
- Reduces the size of downstream BMPs.

LIMITATIONS

- Adjacent buildings and overflow requirements need to be considered in design.
- Only appropriate for sites with pervious areas near downspouts.
- If groundwater exists within two feet of the ground surface, seasonal fluctuations may result in periods of decreased infiltration and/or standing water.
- Runoff reduction credits cannot be claimed for rooftop disconnection if credits for stream setbacks and buffers or vegetated swales are being claimed in the same sub-watershed areas (DMA).

ROOFTOP AND IMPERVIOUS AREA DISCONNECTION

Fact Sheet SDM-4

KEY DESIGN FEATURES

- Sites should be evaluated to ensure that splash blocks won't have negative impacts.
- Rain water must be directed away from foundations and footings.
- Do not compact soils in areas where infiltration of storm water is planned.
- Downspouts must extend at least six feet from a basement and two feet from a crawl space or concrete slab.
- The area of rooftop connecting to each downspout must be 600 square feet or less.
- Downspouts should not be directed to paved areas or across sidewalks.
- Landscaped areas receiving roof water should be adequately sized to prevent runoff or erosion. An impervious:pervious ratio of 2:1 should be applied.
- Flow spreaders should be implemented downstream of splash blocks for sites with steep slopes.

BUBBLE-UP EMITTER

Bubble-up emitters function very much like splash blocks, but allow for roof drainage to be discharged into vegetated areas that are not directly adjacent to the building. Downspouts are connected to underground pipes then released through a valve that opens with water pressure.

ADVANTAGES

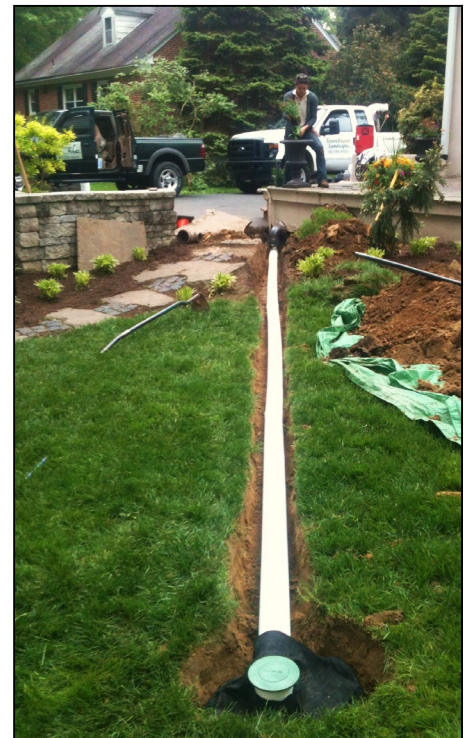
- Reduces peak flow rates and total runoff volumes.
- Directs runoff away from foundations and structures.
- Can discharge to vegetated areas not adjacent to buildings.
- Reduces the size of downstream BMPs.

LIMITATIONS

- Overflow requirements need to be considered in design.
- Increased maintenance and cost over splash blocks.
- Runoff reduction credits cannot be claimed for rooftop disconnection if credits for stream setbacks and buffers or vegetated swales are being claimed in the same sub-watershed areas (DMA).

KEY DESIGN FEATURES

- The area of rooftop connecting to each downspout should be 600 square feet or less.
- Landscaped areas receiving roof water should be adequately sized to prevent runoff or erosion. An impervious:pervious ratio of 2:1 should be applied.
- Overflow systems and backflow prevention should be incorporated into design.
- Piping and valves must be able to convey the design storm event.



Bubble-up emitter installation.
Photo Source: green-weaver.com

ROOFTOP AND IMPERVIOUS AREA DISCONNECTION

Fact Sheet SDM-4

IMPERVIOUS AREA DISCONNECTION

Disconnecting impervious areas involves routing runoff from paved areas such as roads, parking lots, pathways, courtyards, and patios to adjoining vegetated areas as sheet flow. As the sheet flow passes over vegetated areas it is filtered by the soil and infiltrated thereby reducing the volume of stormwater discharged to receiving waters or the storm drain system. Examples of vegetated areas to accept sheet flow runoff include vegetated swales, stream buffers, amended soil areas, and bioretention cells. Another alternative for disconnecting impervious surfaces involves implementation of pervious pavement; refer to the Pervious Pavement Fact Sheet for more information.



Impervious Area Disconnection.
Photo Source: City of Kitchener, ON

In general, curb and gutter should be avoided to reduce concentrated flows from impervious surfaces. However, curb cuts can be effectively implemented to direct runoff from roads and parking lots into permeable stormwater management areas. Level spreaders should be considered for energy dissipation and promotion of sheet flow to the pervious areas. This technique works well for retrofitting existing sites at a relatively low cost. Care must be taken to provide adequate clearances between vegetated infiltration areas and building foundations and paved surfaces.

ADVANTAGES

- Reduces peak flow rates and total runoff volumes.
- Eliminates need for stormwater conveyance infrastructure.
- Promotes groundwater recharge and is aesthetically pleasing.
- Reduces the size of downstream BMPs.

LIMITATIONS

- Soil permeability may limit use of existing vegetated areas.
- Not suitable for sites with high concentrations of oil & grease or potential spills.
- Could result in increased water table elevations, lateral groundwater flows and other conditions that may create unwanted seepage or flooding at down gradient locations.
- Runoff reduction credits cannot be claimed for impervious area disconnection if credits for stream setbacks and buffers are being claimed in the same sub-watershed areas (DMA).

KEY DESIGN FEATURES

- The area of impervious surface discharging to a single vegetated area must be 5,000 square feet or less.
- The size of the pervious area receiving runoff should be at least 50% of the contributing impervious area (i.e. use a impervious:pervious ratio of 2:1).
- The maximum contributing impervious flow length should be less than 75 feet. If equal or greater than 75 feet, a storage device (e.g. French drain, bioretention area, gravel trench) should be implemented as a buffer prior to discharging to the impervious area.
- Water barriers may be required when infiltrating adjacent to paved surfaces in order to prevent undermining of pavement and baserock.
- If flow is to be introduced through curb cuts, place pavement slightly above the elevation of the the pervious area. Curb cuts should be at least 12 inches wide to prevent clogging.

ROOFTOP AND IMPERVIOUS AREA DISCONNECTION

Fact Sheet SDM-4

SIZING DESIGN GOALS AND REQUIREMENTS

The Post-Construction Storm Water Quality Plan (SWQP) Form 3-4 should be used to calculate the retention volume (V_{ret}) associated with rooftop and impervious area disconnection. This value is then used to calculate the area of impervious surface treated, and determine if other site design measures are necessary to capture the 85th percentile, 24-hour design storm for Regulated Projects. The equation for determining V_{ret} is as follows:

$$V_{ret} = A_{imp} * V_{85} * (1/12)$$

Where:

V_{ret} = stormwater retention volume (ft³);
 A_{imp} = impervious drainage area (ft²); and
 V_{85} = Runoff volume from the 85th percentile, 24-hour design storm (in)

RUNOFF REDUCTION CREDIT REQUIREMENTS

- Downspouts and any extensions must extend at least six feet from a basement and two feet from a crawl space or concrete slab.
- The area of rooftop connecting to each disconnected downspout must be 600 square feet or less.
- Roof runoff from the design storm must be fully contained in a landscaped area.
- The impervious area discharging to an impervious disconnection area must be than 5,000 square feet or less.
- The maximum contributing impervious flow path length for impervious area disconnection must be less than 75 feet or, if equal or greater than 75 feet, a storage device (e.g. French drain, bioretention area, gravel trench) is required to achieve the required disconnection length.
- Credits for roof runoff and impervious area disconnection cannot be obtained if stream setbacks and buffers are used within the same Drainage Management Area.
- Credits for roof runoff disconnection cannot be obtained if vegetated swales are used within the same Drainage Management Area.

REFERENCES

Low Impact Development Center, Inc. 2010. Low Impact Development Manual for Southern California: Technical Guidance and Site Planning Strategies. Available online at: <https://www.casqa.org/sites/default/files/downloads/socallid-manual-final-040910.pdf>

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POROUS PAVEMENTS

Fact Sheet SDM-5

Also known as: Pervious pavement and permeable pavement.

DESCRIPTION

Porous Pavement is a system comprised of a load-bearing, durable surface coupled with an underlying drainage layer that temporarily stores water prior to infiltration or drainage to a controlled outlet. The surface can be porous such that water infiltrates across the entire surface of the material, or it can be constructed of impermeable blocks separated by spaces and joints, through which the water can drain. There are many types of porous pavement including pervious concrete and asphalt, modular block, reinforced grass, cobblestone block, and gravel.



Permeable pavement. Source: EPA

Porous pavement is well-suited for low traffic roadways, parking lots, walking paths, sidewalks, playgrounds, plazas, tennis courts, and other similar uses. It has been widely applied in retrofit situations where existing standard pavements are replaced. Porous pavements should not be used in industrial and commercial applications where pavement areas are used for material storage or the potential for surface clogging is increased due to high traffic of construction vehicles.

ADVANTAGES

- Reduces peak flow rates and total runoff volumes.
- Significant flow attenuation and improvement in water quality.
- Can replace existing pavements eliminating the need for additional land.
- Roof runoff can be piped into the subsurface storage area directly, which would increase the level of flow attenuation.
- Sometimes more attractive than traditional pavement.
- Reduces size of downstream BMPs.

LIMITATIONS

- Can become clogged if improperly installed or maintained and may require replacement.
- Use should be limited level areas such as parking lots and other lightly trafficked or non-trafficked areas.
- Not suitable for areas of slope instability where infiltrated stormwater may cause failure.
- Not suitable in locations that can negatively impact building foundation or footings.
- Not suitable for sites with high concentrations of oil & grease or potential spills.
- Not suitable in industrial and commercial applications where pavement areas are used for material storage or high traffic of construction vehicles.
- High groundwater may slow infiltration, create standing water in the subsurface storage layers and destabilize pavement and/or result in seepage to the surface.

POROUS PAVEMENTS

Fact Sheet SDM-5

KEY DESIGN FEATURES

There are several types of porous pavement available, including pervious concrete, pervious asphalt, modular block, reinforced grass, cobblestone block, and gravel. The applicability of each porous pavement type should be carefully evaluated based on land uses and site characteristics. For detailed information and design guidance on all porous pavement types, refer to the [Stormwater Quality Design Manual for the Sacramento Region](#). General siting and design recommendations for all porous pavement are as follows:

- Consult a geotechnical engineer to determine what types of porous pavement are suitable for the expected traffic load, speed, and volume.
- Consult a geotechnical engineer to determine set back from building, or use 10 feet.
- Determine site soil type and permeability before selecting porous pavement as a runoff reduction strategy.
- Porous pavements are generally not suitable for sloped areas. Low points should be carefully evaluated and underdrains must be placed appropriately to avoid flooding.
- May be used over soils with low permeability in selected situations if underdrain is provided.
- Underdrains should tie into an open landscape area or treatment control measure to quickly relieve the water pressure in the pavement section and prolong the pavement life.
- Access ports should be provided for underdrain systems to allow for routine inspection and cleaning.
- Address seasonal shrink/swell in sites with expansive subgrade. Use the expansion index test (ASTM D4828) to provide insight as to degree of surface deformation in choosing paving sections.
- Consider opportunities for directing runoff from impervious surfaces across porous pavement to achieve runoff volume reduction credits. See the Rooftop and Impervious Area Disconnection Fact Sheet included in this manual.
- Select the porous pavement type based on the type of anticipated pedestrian traffic; most types of porous pavement can be designed to be Americans with Disabilities Act (ADA) compliant.
- A water barrier or interceptor drain will be required where porous material abuts regular asphalt/concrete pavement and there is concern about water infiltrating the regular pavement sub-base. The water barrier should run down the 12-inch deep excavation and 12 inches under the drain rock.
- For manufactured products, check the manufacturer's specifications for any additional siting considerations.



Source: NACTO

SIZING DESIGN GOALS AND REQUIREMENTS

The Post-Construction Storm Water Quality Plan (SWQP) Form 3-4 should be used to calculate the retention volume (V_{ret}) for porous pavement areas. This value is then used to calculate the area of impervious surface treated, and determine if other site design measures are necessary to capture the 85th percentile, 24-hour design storm for Regulated Projects. The equation for determining V_{ret} is as follows:

$$V_{ret} = A_{res} * D_{res} * n_{agg} * C$$

Where:

- V_{ret} = stormwater retention volume (ft³);
- A_{res} = area of permeable storage reservoir (ft²);
- D_{res} = depth of permeable storage reservoir (ft);
- n_{agg} = porosity of aggregate; and
- C = efficiency factor

POROUS PAVEMENTS

Fact Sheet SDM-5

Efficiency factors for different types of porous pavements are provided in Table 1 below.

Table 1. Porous Pavement Efficiency Factors

Pervious Concrete or Asphalt (15% void space)	0.60
Modular Block Pavement (20% void space)	0.75
Reinforced Grass Pavement	1.00
Cobblestone Block Pavement (8% void space)	0.40

Source: Urban Drainage and Flood Control District, Denver, CO, Urban Storm Drainage Criteria Manual Volume 3 – Best Management Practices, September, 1999 (Rev. June, 2002)

INSPECTION AND MAINTENANCE REQUIREMENTS

A maintenance plan shall be provided with the SWQP. The maintenance plan shall include recommended maintenance practices, state the parties responsible for maintenance and upkeep, specify the funding source for ongoing maintenance, and provide a site specific inspection checklist. At a minimum, maintenance shall include the following:

- Post signs identifying porous pavement areas.
- Keep landscaped areas well-maintained and prevent soil from being transported onto the pavement.
- Clean the surface using vacuum sweeping machines.
- If routine cleaning does not restore infiltration rates, then reconstruction of part of the porous pavement may be required.
- For modular and cobblestone block, periodically add joint material (sand) to replace material that has been transported or removed.
- Monitor regularly to ensure that the paving surface drains properly after storms.
- Do not seal or repave with impermeable materials.
- Inspect the surface annually for deterioration.
- Reinforced grass requires mowing and periodic reseeding to fill in bare spots.
- Clean out underdrain systems at regular intervals.
- Inspect outlets annually and maintain as needed.

REFERENCES

Low Impact Development Center, Inc. 2010. Low Impact Development Manual for Southern California: Technical Guidance and Site Planning Strategies. Available online at: <https://www.casqa.org/sites/default/files/downloads/socallid-manual-final-040910.pdf>

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VEGETATED SWALE

Fact Sheet SDM-6

Also known as: Bioretention Swale, Treatment Swale, and Grassed Swale

DESCRIPTION

Vegetated swales are essentially bioretention cells that are configured as linear channels, but are typically not designed with an engineered soil matrix and underlying gravel layer below the vegetation layer to accommodate additional treatment, storage, and infiltration. They function as a soil and plant-based filtration and infiltration feature that removes pollutants through a variety of natural physical, biological, and chemical treatment processes. Vegetated swales are open, shallow channels with vegetation covering the side slopes and bottom that collect and slowly convey stormwater runoff to downstream discharge points. They are designed to treat runoff through vegetation filtration, biological uptake, evapotranspiration, and/or infiltration into the underlying soils. They trap particulate pollutants (suspended solids and trace metals), promote infiltration, and reduce the flow velocity of storm water runoff.



Grassed swale. Photo Source: EPA

Vegetated swales can serve as part of a storm water drainage system and can replace curbs, gutters and storm sewer systems. They are best suited to capture runoff from small impervious areas and should not be implemented in areas with highly contaminated runoff. They can be used as part of treatment train approach and are effective at providing pretreatment for other BMPs.

ADVANTAGES

- Reduces peak flow rates and total runoff volumes.
- Provides effective pretreatment for downstream BMPs by trapping, filtering, and infiltrating particulates and associated pollutants.
- Can serve as a cost-effective alternative to traditional curb and gutter.
- Can be integrated into landscape design to improve aesthetic appeal.

LIMITATIONS

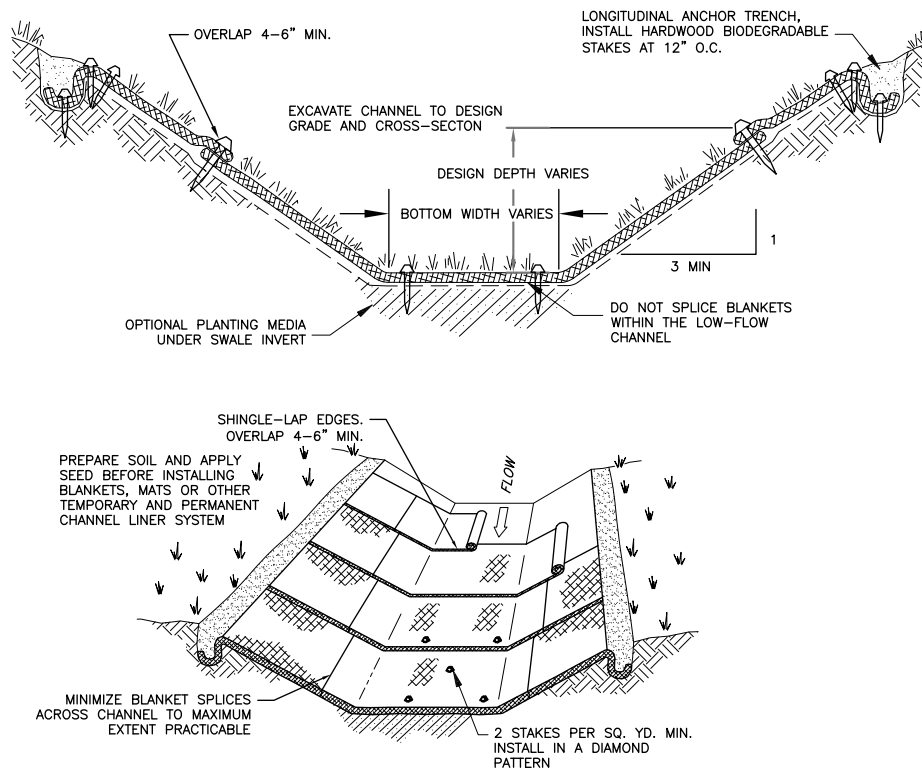
- Can be difficult to avoid channelization, which may cause erosion and limit infiltration potential.
- Not suitable for steep slopes.
- May not be appropriate for industrial sites or locations where spills may occur.
- Best suited for small drainage areas with low flow rates.
- A thick vegetative cover is needed for these features to function properly.

KEY DESIGN FEATURES

In order to receive runoff volume reduction credits, vegetated swales must be designed in accordance with Treatment Control BMP 30 (TC-30) from the California Stormwater BMP Handbook, New Development and Redevelopment. Key design elements are summarized below:

VEGETATED SWALE

Fact Sheet SDM-6



VEGETATED SWALE TYPICAL INSTALLATION

- Maximum flow velocity from the design storm event shall not exceed 1.0 foot per second.
- Vegetated swales should be designed so that the water level does not exceed 2/3rds the height of the grass or 4 inches, whichever is less, at the design treatment rate.
- Longitudinal slopes between 0.5% and 2.5% are recommended.
- Provide sufficient length to achieve a desired treatment contact time of 10 minutes. Regardless of contact time, the swale should not be less than 100 feet in length.
- Implement check dams for longitudinal slopes > 2.5% as a means to reduce slopes and promote infiltration. Space as required to maintain maximum longitudinal bottom slope < 2.5%.
- Implement entrance/outlet energy dissipation measures to limit erosion and promote retention.
- Do not compact soils beneath vegetated swales.
- Trapezoidal channels are normally recommended but other configurations, such as parabolic, can also provide substantial water quality improvement and may be easier to mow than designs with sharp breaks in slope.
- Swales constructed in cut are preferred, or in fill areas that are far enough from an adjacent slope to minimize the potential for gopher damage. Do not use side slopes constructed of fill, which are prone to structural damage by gophers and other burrowing animals.
- A diverse selection of low growing, plants that thrive under the specific site, climatic, and watering conditions should be specified. Vegetation whose growing season corresponds to the wet season are preferred. Drought tolerant vegetation should be considered especially for swales that are not part of a regularly irrigated landscaped area.
- The width of the swale should be determined using Manning's Equation, at the peak of the design storm, and a value of 0.25 for Manning's n.

VEGETATED SWALE

Fact Sheet SDM-6

- If flow is to be introduced through curb cuts, place pavement slightly above the elevation of the the vegetated areas. Curb cuts should be at least 12 inches wide to prevent clogging.
- Swales must be vegetated in order to provide adequate treatment and reduction of runoff. It is important to maximize water contact with vegetation and the soil surface. For general purposes, select fine, close-growing, water-resistant grasses. Refer to the Placer County Landscape Design Guidelines for more information.
- If possible, divert runoff (other than necessary irrigation) during the period of vegetation establishment. Where runoff diversion is not possible, cover graded and seeded areas with suitable erosion control materials. Diverted runoff must be managed and retained onsite to avoid violation of the Phase II MS4 Permit.
- Swales used as primary stormwater conveyance facilities (i.e. without high flow bypass) must be designed according to requirements in the Placer County Stormwater Management Manual. These swales will not qualify for volume reduction credits unless the design criteria specified above are also satisfied.

SIZING DESIGN GOALS AND REQUIREMENTS

The Post-Construction Storm Water Quality Plan (SWQP) Form 3-4 should be used to calculate the retention volume (V_{ret}) associated with vegetated swales. This value is then used to calculate the area of impervious surface treated, and determine if other site design measures are necessary to capture the 85th percentile, 24-hour design storm for Regulated Projects. The equation for determining V_{ret} is as follows:

$$V_{ret} = A_{imp} * V_{85} * (1/12)$$

Where:

- V_{ret} = stormwater retention volume (ft³);
- A_{imp} = impervious area draining to vegetated swale (ft²); and
- V_{85} = Runoff volume from the 85th percentile, 24-hour design storm (in)

RUNOFF REDUCTION CREDIT REQUIREMENTS

- Vegetated swales must be designed in accordance with Treatment Control BMP 30 (TC-30 - Vegetated Swale) from the California Stormwater BMP Handbook, New Development and Redevelopment (available at www.cabmphandbooks.com).
- The maximum flow velocity for runoff from the design storm event must be less than or equal to 1.0 foot per second.

INSPECTION AND MAINTENANCE REQUIREMENTS

A maintenance plan shall be provided with the SWQP. The maintenance plan shall include recommended maintenance practices, state the parties responsible for maintenance and upkeep, specify the funding source for ongoing maintenance, and provide a site specific inspection checklist. At a minimum, maintenance shall include the following:

- Inspect on a semi-annual basis to assess slope integrity, soil moisture, vegetative health, soil stability, compaction, erosion, ponding, and sedimentation.
- Mow at least once per year, but do not cut grass shorter than the design flow depth because the effectiveness of the vegetation in reducing flow velocity and pollutant removal may be reduced. Grass cuttings should be removed from the swale and composted.
- Remove accumulated sediment when it is 3" deep or higher than the turf to minimize potential concentrated flows and sediment resuspension.
- Irrigate only as necessary to prevent vegetation from dying.
- Integrated pest management should be used for pest control. The designer should ideally select vegetation that does not require fertilizers.

VEGETATED SWALE

Fact Sheet SDM-6

- Reseed periodically to maintain dense turf.
- Remove trash or obstructions that cause standing water.
- Prevent off-street parking or other activities that can cause rutting or soil compaction.

REFERENCES

California Department of Transportation (Caltrans). 2010. Treatment BMP Technology Report. CTSW-RT-09-239.06. Available online at: <http://www.dot.ca.gov/hq/env/stormwater/pdf/CTSW-RT-09-239-06.pdf>

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RAIN BARRELS AND CISTERNS

Fact Sheet SDM-7

Also known as: Rainwater Harvesting, and Rainwater Collection

DESCRIPTION

Rainwater harvesting is the practice of collecting, conveying, and storing rainfall for future indoor and outdoor use such as landscape irrigation, toilet flushing, and vehicle washing. The purpose of this harvesting is to collect high quality runoff to offset potable water demands while simultaneously reducing stormwater runoff volumes. Rooftop runoff is the stormwater most often harvested for use because it typically contains lower pollutant loads than surface runoff and provides accessible locations for collection. However, runoff from other clean impervious surfaces, such as driveways, walkways, and patios, may also be harvested effectively.

Rainwater harvesting typically utilizes rain barrels or cisterns:

- Rain barrels are small containers, typically ranging from 50 to 100 gallons installed adjacent to individual downspouts to capture rainwater runoff from roofs. Rain barrels are inexpensive, easy to install and maintain, and well suited to small-scale sites.
- Cisterns are typically much larger than rain barrels, ranging from 200 gallons for small installations to 10,000 gallons or more for large facilities. They can be installed above or below ground, or even on the roof, depending upon site conditions.



Source: EPA

The irrigation of harvested rainwater may utilize a simple gravity system for small systems or use pumps for larger systems. The pump and wet well should be automated with a rainfall sensor to provide irrigation only during periods when required infiltration rates can be realized.

ADVANTAGES

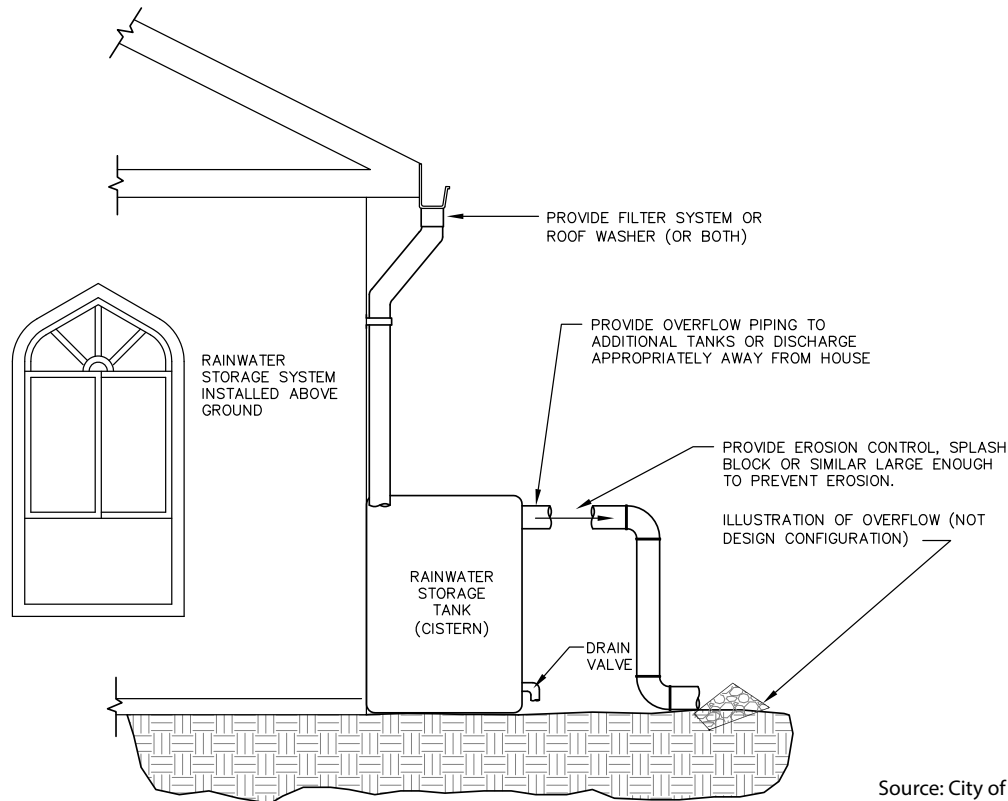
- Applicable with limited space constraints and under all soil conditions.
- Reduces runoff volumes and peak flows while disconnecting impervious surfaces.
- Does not add additional pollutants to runoff.
- Cisterns can be combined with pervious parking areas.
- Helps reduce demand on municipal treated water supplies.
- Can be retrofitted into existing property.

LIMITATIONS

- Rain barrels have limited storage capacity.
- Stored runoff must be used between storm events to maintain storage capacity.
- Does not provide water quality treatment.
- May require a system of pumps and valves to fill containers and reuse stored water.
- Irrigation systems may be expensive to operate and maintain.
- Inadequate maintenance can result in mosquito breeding and/or algae production.
- May require building permits. Contact the governing agency for requirements.
- Reuse of harvested rainwater may involve regulatory obstacles.
- May require screening or landscaping to improve aesthetics.

RAIN BARRELS AND CISTERNS

Fact Sheet SDM-7



Source: City of Salinas

KEY DESIGN FEATURES

- Site storage tanks underground, indoors, on roofs, or adjacent to buildings, outside of existing utility easement and County right-of-way.
- Make tanks water tight to avoid ponding or saturation of soils within 10' of building foundations.
- Locate rain barrels or above ground cisterns with gravity distribution systems up-gradient from irrigated areas.
- Locate underground cisterns in native, rather than fill soil for stability.
- Roof surfaces shall not include copper or materials treated with fungicides or herbicides.
- Roof gutters must be fully screened and installed at continuous grade.
- Containers must be opaque, water tight, vented, completely covered and screened.
- Pretreat runoff to remove debris, dust, leaves, and other debris. Use leaf and mosquito screens (1 mm mesh size), first-flush diverter, or in-tank filter.
- Use settling compartment for tanks over 2,500 gallons.
- Use a water pump for underground cisterns. Indoor systems usually require a pump, pressure tank, back-up water supply line and backflow preventer.
- Overflow device must be equal in size to the total of all inlets and must lead to an approved discharge location with approved air gap.
- Install safety labels (non-potable, vector hazard, drowning hazard icons).
- Refer to local ordinances for siting and size constraints.
- Both rain barrels and above-ground cisterns must be sited in a stable, flat area. Rain barrels and cisterns may not block the path of travel for fire safety access.
- Overflow locations, which can include bioretention units, additional rain barrels or cisterns, or a discharge point to the storm drain system, must be designed to both direct outflow away from building foundations and prevent nuisance flows to adjacent properties.
- Tanks should be opaque and placed in a cool or shaded area to avoid algal growth.

RAIN BARRELS AND CISTERNS

Fact Sheet SDM-7

SIZING DESIGN GOALS AND REQUIREMENTS

The Post-Construction Storm Water Quality Plan (SWQP) Form 3-4 should be used to calculate the retention volume (V_{ret}) associated with rain barrels and cisterns. This value is then used to calculate the area of impervious surface treated, and determine if other site design measures are necessary to capture the 85th percentile, 24-hour design storm for Regulated Projects. The equation for determining V_{ret} is as follows:

$$V_{ret} = N * V_a * 0.5$$

Where:

- V_{ret} = stormwater retention volume (ft³);
- N = number of rain barrels and/or cisterns; and
- V_a = average volume of rain barrels and/or cisterns (ft³)

INSPECTION AND MAINTENANCE REQUIREMENTS

A maintenance plan shall be provided with the SWQP. The maintenance plan shall include recommended maintenance practices, state the parties responsible for maintenance and upkeep, specify the funding source for ongoing maintenance, and provide a site specific inspection checklist. Maintenance requirements for rainwater harvesting systems vary according to use. At a minimum, maintenance shall include the following:

- Perform regular inspections every six months during the spring and fall seasons for the following:
 - o Confirm that all the parts, pumps, and valves are operable and not leaking;
 - o Keep leaf screens, roof gutters, and downspouts free of leaves and other debris;
 - o Check screens and patch holes or gaps;
 - o Clean and maintain first flush diverters and filters, especially those on drip irrigation systems;
 - o Inspect and clean storage tank lids, paying special attention to vents and screens on inflow and outflow spigots; and
 - o Replace damaged system components as needed.
- Clean tanks annually with a non-toxic cleaner, such as vinegar and dispose of wash water in a sink, bathtub or sewer cleanout.
- Flush cisterns annually to remove sediment. For buried structures, vacuum removal of sediments is required.
- Test all backflow prevention assemblies for proper function annually.
- Regular use of the water stored in systems between rain events is critical to ensure that storage is available for the next storm event.



Photo Source: City of Portland

RAIN BARRELS AND CISTERNS

REFERENCES

California Stormwater Quality Association (CASQA). 2003. California Stormwater BMP Handbook – New Development and Redevelopment. BMP Factsheet TC-12: Retention/Irrigation. Available online at: <https://www.casqa.org/sites/default/files/BMPHandbooks/TC-12.pdf>

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BIORETENTION

Fact Sheet TR-1

Bioretention facilities, also known as rain gardens and stormwater planters, are planted depressions that slow, treat, and infiltrate stormwater to improve water quality and manage hydromodification. They can be located in a variety of settings such as along roadsides or incorporated into a site's landscaping but should be designed by a qualified professional. Bioretention cells receive runoff from roofs and other impervious surfaces and provide treatment through settling, filtration, and biological processes as stormwater ponds and percolates through planting soil media and into a subsurface gravel storage bed. Runoff volume is reduced by evapotranspiration and, if conditions are suitable, by infiltration into the underlying soils and groundwater. Bioretention facilities are effective at removing a variety of pollutants including trash, sediment, metals, nutrients, bacteria and hydrocarbons. Bioretention areas are usually designed to allow shallow ponding, with an overflow outlet to prevent flooding during heavy storms. The overflow can be directed to a storm drain system or to another BMP.

Two general types of bioretention facilities are allowable in the Permit including infiltrating bioretention and flow-through planters. Flow-through planters are used in locations not suitable for infiltration and include impermeable liners and an underdrain pipe to collect the treated water and discharge it to the municipal storm drain or other appropriate location.



Roadside bioretention. Source: sitephocus.com

ADVANTAGES

- Protects and improves water quality by removing pollutants from stormwater runoff.
- Reduces surface runoff volumes and attenuates peak flows.
- Wide range of scales and site applicability.
- Attractive and relatively easy and inexpensive to install and maintain.
- Improves air quality and reduces heat island effects.
- Increases groundwater recharge.
- Creates habitat and increases biodiversity.

LIMITATIONS

- Infiltration of stormwater can negatively impact structural foundations and increase other geological hazards. Locations shall be approved by a licensed Geotechnical Engineer.
- High groundwater can slow infiltration rates or even seep into bioretention cells and discharge as surface water. An average 10 ft. separation, and a minimum of 5 ft., between the bottom of the BMP and groundwater is recommended.
- Contaminants in soil and groundwater can be mobilized by infiltrating water.
- Existing infrastructure such as underground utilities and drainage infrastructure may constrain bioretention design.
- Vegetation requires maintenance and can look overgrown or weedy; seasonally it may appear dead.

KEY DESIGN FEATURES

The design of bioretention facilities involves many considerations and planning activities should be started at the earliest possible stage of a project. It is critical that the facilities achieve the required performance standards while also protecting public health and safety, infrastructure and property. Bioretention design should begin during the site assessment and layout phase when determining building and parking locations and footprints and before the

BIORETENTION

Fact Sheet TR-1

site grading plan is prepared. For infiltration type planters, consult a licensed geotechnical engineer about site suitability.

The key design features and considerations for bioretention facilities include the following:

1. **Topography:** In appropriate conditions and with careful design, bioretention facilities can be located on slopes by incorporating check dams, terracing, or other methods to pond the water. Infiltration on slopes can create, or increase, the potential for downgradient seepage, landslides, and other geotechnical hazards. Infiltration is generally not recommended on slopes exceeding 10 percent.
 2. **Adjacent structures:** Where bioretention facilities are located next to structures such as curb and gutter, sidewalks, buildings, additional structural support may be required between the adjacent road or parking surface and bioretention soil media. Vertical cutoff walls or impervious liners should be considered to keep stormwater from migrating into structural fill or road base materials. In expansive (C, D) soils, locate stormwater planters far enough from structures to avoid damage to foundations (as determined by a structural or geotechnical engineer). 10 feet is a typical rule-of-thumb.
- Subsurface utilities should not be located within the bioretention facility and utility trenches should be isolated from the infiltrating areas to prevent the formation of preferential flow paths along trenches, migration of backfill materials, and flooding of utility vaults.
3. **Inlet design:** Inlets can include a variety of structures and configurations including curb cuts, open channels, and pipes. The design must provide the width and geometry needed to direct flows into the facility and its elevation must provide adequate hydraulic head for filtration and storage volume. To prevent stormwater runoff from eroding the soil surface as it enters the facility, a concrete splash pad or rock energy dissipater (3"-5" -size rounded rock, 6" depth) should be placed at the inlets.
 4. **Overflow:** Provisions to bypass flows that exceed the design ponding depth must be included in bioretention designs. Overflow systems should be located near the entrance of the bioretention facility to prevent scouring of the system and mobilization of the mulch layer. Overflow provisions shall not impact structures. Overflow structures may consist of a raised overflow structure connected via pipe to an approved discharge point, or a surface conveyance route (e.g., curb cuts, open channel, or pipe). Overflow structures must be sized to convey peak flood flows, per Placer County SWMM requirements, and include provisions for clogging. Elevations must be set to provide storage of the required water quality volume.
 5. **Surface ponding:** A minimum design depth of 6 inches is required for surface ponding to provide additional stormwater storage capacity, with a maximum depth of 12 inches. Ensure that the design does not allow ponding to persist for longer than 72 hours for vector control.



LID vegetated swale parking lot. Shellito Indoor Pool, Roseville. Photo: Greg Bates

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6. Aggregate layer: A minimum 12-inch thick layer of ¾-inch washed aggregate below the planting media increases the facility's water storage capacity and promotes positive drainage through the underdrain system. A 3-inch layer of smaller aggregate (washed pea gravel) between the planting media and ¾-inch aggregate layer can omit the need for filter fabric, which is known to cause clogging.
7. Bioretention soil media: A minimum 18-inch thick mixture of 60-70 percent sand meeting the specifications of the American Society for Testing and Materials (ASTM) C33 and 30-40 percent compost may be used to provide filtration of runoff while supporting healthy plant growth. It may be possible in some cases to use native soil or to amend the native soil so that it is suitable. Use of native soil will depend on the evaluation of the criteria in "Section 3 - Site Assessment" as well as consideration of structural needs and may require evaluation by a licensed Geotechnical Engineer.
8. Mulch: If the area will be mulched, initial excavation depth must anticipate the total combined media depth, to avoid having to reduce soil depth during construction to accommodate mulch at final grades. If mulch is used as a top dressing avoid wood chips or other material that will float and potentially clog overflow structures. Mulch should not be installed just before or during the rainy season.
9. Underdrain: An underdrain system should be included with the discharge elevation at the top of the aggregate layer to convey runoff not infiltrated into the native soil to the stormwater system or other appropriate discharge point. The underdrain may be eliminated in areas of high groundwater, rapidly infiltrating soils or where connection of the underdrain to a surface discharge point or to a subsurface storm drain are infeasible. The perforations in the underdrain must be directed down or else water flowing through the planting media into the gravel layer will immediately be collected and discharged through the underdrain. Maintenance access and cleanout ports should be provided so that underdrain system can be routinely inspected and cleaned as needed.
10. Liners: Facilities with documented high concentrations of pollutants in underlying soil or groundwater, facilities located where infiltration could contribute to a geotechnical hazard, and facilities located on elevated plazas or other structures may incorporate an impervious liner and may locate the underdrain discharge at the bottom of the subsurface aggregate layer.
11. Plants: A list of native plant species for the Sacramento Valley is provided in the table below. Use a variety of trees, shrubs and herbaceous plant materials. Native grass meadows are especially effective at controlling and treating storm water over a large area. Choose moisture-tolerant plants for the bottom of a bioretention swale or basin. Choose plants that can tolerate both fluctuating water conditions and drought conditions for the side edges. Guidance on planting and general landscape design is provided in the Placer County Landscape Design Guidelines (Placer County Planning Services Division, 2013).
12. Pre-treatment: Runoff from industrial sites or locations where spills may occur or areas with excessive erosion or sediment sources should be pre-treated to address pollutants of concern prior to discharging into bioretention systems.
13. Underlying soils: Soils beneath the facility must be protected from compaction during construction activities. If soils have been compacted previously they should be ripped as deeply as necessary to loosen the soils and re-establish natural infiltration rates.

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Botanic name	Common name	Height	Dry	Med Water	Wet	Full Sun	Part Shade	Shade	Deciduous/ Evergreen
ANNUAL PLANTS									
<i>Collinsia heterophylla</i>	Chinese Houses	1-2'		X			X		D
<i>Eschscholzia californica</i>	California Poppy	1-1.5'	X	X		X			D
<i>Gilia capitata</i>	Globe gilia	0.5-1'	X	X		X	X		D
GRASSES & GRASS-LIKE PLANTS									
<i>Bouteloua gracilis</i>	Blue gramma grass	1.5-2'	X			X			D
<i>Deschampsia caespitosa</i>	Tufted hair grass	1-2'		X	X		X		E
<i>Elymus glaucus</i>	Blue wildrye	1'	X	X		X			E
<i>Elymus triticoides</i>	Creeping wildrye	1-3'	X	X		X	X		D
<i>Festuca californica</i>	Serpentine blue California fescue	2-3'	X	X		X	X		E
<i>Festuca idahoensis</i>	Blue Idaho fescue	1'	X	X		X	X		E
<i>Festuca idahoensis</i>	'Siskiyow Blue'	2'		X		X	X		E
<i>Leymus condensatus</i>	'Canyon Prince'	4'	X	X		X	X		E
<i>Leymus triticoides</i>	Creeping wild rye	1.5-3'	X	X		X	X		E
<i>Melica californica</i>	California melic	1-3'	X			X	X		D
<i>Muhlenbergia rigens</i>	Deer grass	5'	X	X		X	X		E
<i>Sporobolus airoides</i>	Alkali sacaton	2'		X	X	X	X		D
<i>Stipa cernua</i>	Nodding needlegrass	2'	X			X	X		D
<i>Stipa lepida</i>	Foothill needlegrass	2-3"	X			X	X		D
<i>Stipa pulchra</i>	Purple needlegrass	2'	X				X		D
<i>Carex barbara</i>	Santa Barbara sedge	1-3'		X	X	X	X	X	E
<i>Carex pansa</i>	California meadow sedge	0.5'	X			X	X		E
<i>Carex praegracilis</i>	Clustered field sedge	1-2'	X	X		X	X		E
<i>Juncus balticus</i>	Baltic rush or wire rush	1-4'		X		X	X		E
<i>Juncus effusus</i>	Common rush	1.5-2'		X	X		X		E
<i>Juncus effusus var. brunneus</i>	Common rush	3-4'		X	X	X	X		E
<i>Juncus effusus var. pacificus</i>	Common rush	2-3'		X		X	X		E
<i>Juncus patens</i>	California gray rush	1.5-2.5'	X	X		X	X		E
<i>Juncus patens</i>	'Carman's Gray'	1-2'		X	X	X	X		E
<i>Scirpus robustus</i>	Alkali bull rush	5-15'			X	X	X		E
<i>Xerophyllum tenax</i>	Bear grass	2-4'		X		X			D
PERENNIAL PLANTS									
<i>Achillea millefolium</i>	Common Yarrow	1-3'	X	X		X	X		E
<i>Achillea millefolium</i>	'Island Pink'	2'	X	X			X		
<i>Acmispon glaber</i> (syn. <i>Lotus scoparius</i>)	Deerweed	3'	X			X			E
<i>Aquilegia exima</i>	Serpentine columbine	2'	X	X			X	X	D
<i>Aquilegia formosa</i>	Western columbine	1.5-3'		X	X		X	X	D
<i>Artemisia douglasiana</i>	California mugwort	3-5'	X	X	X	X	X		E
<i>Asarum caudatum</i>	Wild ginger	1'		X	X		X	X	E
<i>Asclepias cordifolia</i>	Purple Milkweed	1-3'	X	X		X	X		D
<i>Asclepias fascicularis</i>	Narrowleaf milkweed	2-3'		X		X	X		D

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Botanic name	Common name	PERENNIAL PLANTS CONT.							Part Shade	Shade	Deciduous/ Evergreen
<i>Asclepias speciosa</i>	Showy milkweed	3-6'		X				X			D
<i>Carex tumulicola</i>	Foothill Sedge	1.5'	X					X	X		E
<i>Dudleya cymosa</i>	Dudleya, Liveforever	3-6"		X				X	X		E
<i>Epilobium canum</i>	California fuchsia	1-1.5'	X								D
<i>Epilobium canum</i> 'Carman's Grey'	Carman's grey California fuchsia	2'	X					X			D
<i>Epilobium canum</i> 'Catalina'	Tall California fuchsia	1.5-3'	X					X	X		D
<i>Epilobium septentrionalis</i> 'Select	Select Mattole California fuchsia	0.25-0.5'						X	X		D
<i>Equisetum scirpoides</i>	Dwarf scouring rush	0.5'					X	X			E
<i>Erigeron glaucus</i> 'Wayne Roderick'	Seaside Daisy	0.5'					X	X	X		E
<i>Erigeron karvinskianus</i>	Mexican daisy, Santa Barbara daisy	1-1.5'					X	X	X		E
<i>Eriodictyon californicum</i>	Yerba Santa	3-6'	X				X	X			E
<i>Eriogonum gracile</i>	Wild buckwheat/ Slender	14-16"	X				X	X	X	X	D
<i>Eriogonum grande var rubescens</i>	Red-Flowered buckwheat	1-3'	X					X			E
<i>Eriogonum umbellatum var. polyanthum</i>	Sulfur buckwheat	0.5-1'	X				X	X			E
<i>Eriogonum ursinum</i>	Bear Valley buckwheat	0.25-1'	X			x		X	X		E
<i>Eriophyllum lanatum</i>	Woolly sunflower	1-2'	X					X	X		E
<i>Fragaria vesca</i>	Wild strawberry	4-6"				X	X	X		E	E
<i>Grindelia stricta venulosa</i>	Coastal gum plant	1-2'	X				X	X			E
<i>Helenium bigelovii</i>	Bigelow's sneezeweed	2-3'					X	X			D
<i>Heuchera</i> 'Canyon Quartet'	Canyon quartet alum root	1-2'	X				X	X	X		E
<i>Heuchera</i> 'Lillian's Pink'	Lillian's pink alum root	1-2'	X					X	X		E
<i>Heuchera maxima</i>	Island alum root	2-3'	X				X	X	X		E
<i>Heuchera micrantha</i>	Crevice alum root	1-2'	X				X	X	X		E
<i>Heuchera</i> 'Rosada'	Rosada alum root	2-3	X				X	X	X		E
<i>Hibiscus lasiocarpus</i>	Hibiscus	4-6'					X	X			D
<i>Iris douglasiana</i>	Douglas iris	1-2'	X				X	X			E
<i>Iris Pacific Coast Hybrid</i> 'Canyon	White Pacific Coast hybrid iris	1-2'	X				X	X			E
<i>Iris Pacific Coast Hybrid</i> 'Dorothea's	Burgundy Pacific Coast hybrid iris	1-2'	X				X	X			E
<i>Iris Pacific Coast Hybrid</i> 'Lavender'	Lavender Pacific Coast hybrid iris	1-2'	X				X	X	X		E
<i>Iris Pacific Coast Hybrid</i> 'Purple and	Purple and white Pacific Coast hybrid iris	1-2'	X				X	X	X		E
<i>Iris Pacific Coast Hybrid</i> 'Yellow'	Yellow Pacific Coast hybrid iris	1-2'	X				X	X	X		E
<i>Iris Pacific Coast Iris mixed</i>	Mixed colors Pacific Coast hybrid iris	1-2'	X				X	X	X		E
<i>Lilium pardalinum</i>	Leopard lily	3-8'					X	X			D
<i>Linum lewisii</i>	Blue Flax	2-3'	X				X	X	X	X	D
<i>Lupinus polyphyllus</i>	Streamside lupine	1-3'					X	X			D
<i>Mentzelia laevicaulis</i>	Blazing star	2-3'	X					X			D
<i>Mimulus aurantiacus</i>	Sticky monkeyflower	3-5'	X				X		X		E
<i>Mimulus aurantiacus</i> 'Verity',	Bush monkeyflower	1-4'					X		X		E
<i>Mimulus cardinalis</i>	Scarlet Monkeyflower	1 1/2-3'					X	X	X		D
<i>Monardella odoratissima</i>	Mountain pennyroyal, coyote mint	0.3-2'	X					X			E

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Botanic name	Common name	PERENNIAL PLANTS CONT.							Part Shade	Shade	Deciduous/ Evergreen
<i>Penstemon azureus</i>	Azure penstemon	0.5-1.5'	X	X				X			D
<i>Penstemon heterophyllus</i>	Foothill penstemon	1-3'	X	X				X			E
<i>Penstemon heterophyllus</i> 'Margarita BOP'	Margarita BOP foothill penstemon	1.5-2'	X	X				X			E
<i>Penstemon spectabilis</i>	Showy penstemon	3-4.5'	X					X			E
<i>Phacelia imbricate</i>	Rock Phacelia, Pine Bee Flower	1-2'	X					X			D
<i>Phyla nodiflora</i>	Lippia	2-4"		X				X			D
<i>Potentilla glandulosa</i>	Sticky cinquefoil	1-2'		X				X			D
<i>Rubus leucodermis</i>	Western raspberry	3-4'		X				X			D
<i>Rubus parviflorus</i>	Thimbleberry	3-6'		X				X	X		D
<i>Salvia</i> 'Bee's Bliss'	Bee's bliss Sonoma sage	1-1.5'	X	X				X			E
<i>Salvia sonomensis</i>	Creeping Sage	1'	X					X			E
<i>Scrophularia californica</i>	California figwort, Bee Plant	4-6'		X				X			D
<i>Sedum obtusatum</i>	Sierra sedum	0.5'	X	X				X			E
<i>Sisyrinchium bellum</i>	Blue-eyed grass	1'		X							D
<i>Solidago californica</i>	California goldenrod	1'		X				X			D
<i>Solidago californica</i> 'Cascade Creek'	Cascade Creek California goldenrod	3-4'	X					X			D
<i>Symphotrichum chilense</i>	California aster	2'	X	X				X			D
<i>Whipplea modesta</i>	Western whippiea	0.25-0.75'		X				X			D
<i>Woodwardia fimbriata</i>	Western chain fern	4-6'		X				X	X		E
<i>Wyethia angustifolia</i>	Narrowleaf mule's ears	20"	X	X				X			D
<i>Wyethia mollis</i>	Mountain mule's ears	0.5-2'	X	X				X			D
SHRUBS											
<i>Arctostaphylos bakeri</i> 'Louis	Pink manzanita	5-6'	X	X				X			E
<i>Arctostaphylos densiflora</i> 'Howard	McMinn's manzanita	5-8'	X	X				X			E
<i>Arctostaphylos densiflora</i> 'Sentinel'	Sentinel manzanita	6-8'	X					X			E
<i>Arctostaphylos edmundsii</i> 'Carmel Sur'	Carmel Sur manzanita	1-1.5'	X	X				X			E
<i>Arctostaphylos</i> 'Emerald Carpet'	Emerald carpet manzanita	1'	X	X				X			E
<i>Arctostaphylos glauca</i>	Bigberry manzanita	15'	X	X				X			E
<i>Arctostaphylos hookeri</i> 'Wayside'	Wayside Monterey manzanita	4'	X	X				X			E
<i>Arctostaphylos</i> 'John Dourley'	John Dourley manzanita	2-4'	X	X				X			E
<i>Arctostaphylos manzanita</i> 'Dr. Hurd'	Dr. Hurd's manzanita	10-12'	X	X				X			E
<i>Arctostaphylos uva-ursi</i> 'Green	Green Supreme bearberry	1'	X	X				X			E
<i>Arctostaphylos uva-ursi</i> 'Massachusetts'	Massachusetts bearberry	1'	X	X				X			E
<i>Arctostaphylos uva-ursi</i> 'Pacific Mist'	Pacific Mist bearberry	2-3'	X	X				X			E
<i>Arctostaphylos uva-ursi</i> 'Point Reyes'	Pt. Reyes bearberry	1'	X	X				X			E
<i>Arctostaphylos uva-ursi</i> 'Radiant'	Radiant bearberry	1'	X	X				X			E
<i>Arctostaphylos viscida</i>	Whiteleaf manzanita	4-12'	X					X			E
<i>Atriplex lentiformis</i>	Quail bush	3-10'	X					X			D
<i>Baccharis pilularis</i>	Coyote brush	4-8'	X					X			E
<i>Baccharis pilularis</i> 'Pigeon Point'	Pigeon Point coyote brush	1.5-3'	X	X				X			E

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<i>Botanic name</i>	Common name	SHRUBS CONT.							Part Shade	Shade	Deciduous/ Evergreen
<i>Calycanthus occidentalis</i>	Western Spicebush	8-15'		X	X			X	X		D
<i>Carpenteria californica</i>	California bush anemone	4-8'		X				X	X		E
<i>Carpenteria californica</i> 'Elizabeth'	Dr. McClintock's bush anemone	3-5'		X	X			X	X		E
<i>Ceanothus</i> 'Blue Jeans'	Blue jeans wild lilac	7-9		X			X				E
<i>Ceanothus</i> 'Centennial'	Centennial wild lilac	2'		X			X				E
<i>Ceanothus</i> 'Concha'	Concha wild lilac	6-7'		X			X				E
<i>Ceanothus cuneatus</i>	Buck brush	5-10'		X			X				E
<i>Ceanothus</i> 'Dark Star'	Dark Star wild lilac	5-6'		X			X				E
<i>Ceanothus gloriosus</i>	Pt. Reyes wild lilac	1-1.5'		X			X				E
<i>Ceanothus gloriosus</i> 'Anchor Bay'	Anchor Bay wild lilac	1-1.5'		X			X				E
<i>Ceanothus gloriosus</i> var. <i>exaltatus</i>	Emily Brown's hallelujah bush	1-2		X			X		X		E
<i>Ceanothus griseus</i> 'Louis Edmunds'	Louis Edmunds wild lilac	5-6'		X			X				E
<i>Ceanothus griseus</i> var. <i>horizon</i> . 'Yankee Point'	Yankee Point wild lilac	2-3'		X			X				E
<i>Ceanothus griseus</i> var. <i>horizontalis</i>	Carmel creeper wild lilac	1.5-2.5'		X			X				E
<i>Ceanothus integrimus</i>	Deerbrush wild lilac	3-7'		X			X		X		D
<i>Ceanothus</i> 'Joan Mirov'	Joan Mirov wild lilac	3-6'		X			X		X		E
<i>Ceanothus</i> 'Joyce Coulter'	Joyce Coulter wild lilac	2-5'		X			X				E
<i>Ceanothus</i> 'Julia Phelps'	Julia Phelps wild lilac	5-7'		X			X				E
<i>Ceanothus maritimus</i> 'Point Sierra'	Pt. Sierra wild lilac	2-3'		X			X				E
<i>Ceanothus maritimus</i> 'Valley Violet'	Valley Violet wild lilac	2-3		X			X		X		E
<i>Ceanothus</i> 'Owlswood Blue'	Owlswood blue island wild lilac	10'		X			X		X		E
<i>Ceanothus prostratus</i>	Squaw carpet	1'		X			X		X		E
<i>Ceanothus</i> 'Ray Hartman'	Ray Hartman wild lilac	12-20'		X			X				E
<i>Ceanothus thyrsifolius</i> repens 'Louis Edmunds'	Louis Edmunds prostrate blue blossom	0.5-2'		X			X		X		E
<i>Ceanothus thyrsiflorus</i>	Blue blossom	5-15'		X			X				E
<i>Ceanothus thyrsiflorus</i> 'Skylark'	Skylark compact blue blossom	3-6'		X			X				E
<i>Ceanothus thyrsiflorus</i> 'Snow Flurry'	Snow flurry wild lilac	6-10'		X			X				E
<i>Cercocarpus betuloides</i>	Mountain Mahogany, Birchleaf Mountain Mahogany	10-15'		X			X		X		E
<i>Cercocarpus betuloides</i> var. <i>blanchene</i>	Island mountain mahogany	10-12'		X			X				E
<i>Cornus stolonifera</i> (syn. <i>C. sericea</i>)	redtwig or western dogwood	7-9'					X		X		D
<i>Cornus stolonifera</i> 'Peter's Choice'	redtwig or western dogwood	7-9'					X		X		D
<i>Eriogonum fasciculatum</i> (E. f. var. <i>foliolosum</i>)	California buckwheat	1-3		X			X				E
<i>Eriogonum giganteum</i>	St. Catherine's lace	3-4'		X			X				E
<i>Frangula tomentella</i>	Hoary coffeeberry	6-10'		X			X		X		E
<i>Fremontodendron</i> 'Ken Taylor'	Ken Taylor flannel bush	4-6'		X			X				E
<i>Fremontodendron</i> 'Pacific Sunset'	Pacific Sunset flannel bush	12-15'		X			X				E
<i>Fremontodendron</i> 'San Gabriel'	San Gabriel flannel bush	15-20'		X			X				E
<i>Garrya elliptica</i> 'Evie'	Evie coast silktassel	8-15'		X			X				E
<i>Garrya elliptica</i> 'James Roof'	James Roof coast silktassel	8-15'		X			X				E
<i>Heteromeles arbutifolia</i>	Toyon	8-15'		X			X		X		E

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Botanic name	Common name	Height	Dry	Med Water	Wet	Full Sun	Part Shade	Shade	Deciduous/ Evergreen
<i>Heteromeles arbutifolia</i> 'Davis Gold'	Yellow berry toyon	8-15'	X			X	X		E
<i>Isomeris arborea</i>	Bladderpod	3-4'	X			X	X		E
<i>Lupinus arboreus</i>	Silver Bush lupine	3-5'	X			X	X		E
<i>Lupinus arboreus</i>	Yellow flowered bush lupine	4-5'	X	X		X			E
<i>Mahonia aquifolium</i>	Oregon grape	3-6'	X	X		X	X		E
<i>Mahonia aquifolium compacta</i>	Compact Oregon grape	2-4'	X	X		X	X	X	E
<i>Philadelphus lewisii</i> 'Goose Creek'	Double flowered wild philadelphus	4-8'		X	X		X		D
<i>Prunus andersonii</i>	Desert peach	3-6'	X			X			D
<i>Rhamnus californica</i>	Coffeeberry	3-15'	X			X	X		E
<i>Rhamnus californica</i> 'Mound San	Mound San Bruno coffeeberry	4-6'	X			X	X	X	E
<i>Rhamnus californica</i> 'Eve Case'	Eve Case coffeeberry	4-8'	X			X	X		E
<i>Rhamnus californica</i> ssp. <i>tomentella</i>	Coffeeberry	6-15'	X	X		X	X		E
<i>Rhamnus ilicifolia</i>	Holly-leaf Redberry	5-15'	X	X		X	X		E
<i>Rhamnus purshiana</i>	Cascara sagrada	10-15'	X	X		X	X		E
<i>Rhus integrifolia</i>	Lemonade berry	3-10'	X			X			E
<i>Rhus ovata</i>	Sugar bush	4-10'	X			X			E
<i>Ribes aureum</i> var. <i>aureum</i>	Western golden currant (mountain)	3-6'	X	X	X	X	X		D
<i>Ribes aureum</i> var. <i>gracillimum</i>	Golden currant	3-6'	X	X	X	X	X		D
<i>Ribes californicum</i>	Hillside gooseberry	3'		X			X		D
<i>Ribes malvaceum</i>	Chaparral flowering currant	3-4'	X				X		D
<i>Ribes sanguineum</i>	Winter currant	3-6'	X	X		X	X		D
<i>Ribes sanguineum</i> var. <i>glutinosum</i>	Flowering currant	3-5'	X	X		X	X		D
<i>Ribes sanguineum</i> var. <i>glutinosum</i>	Claremont flowering currant	3-6'	X	X			X	X	D
<i>Ribes sanguineum</i> 'White Icicle'	White icicle flowering currant	6-8'	X	X			X	X	D
<i>Ribes speciosum</i>	Fuchsia flowering gooseberry	3-6'	X	X		X	X		D
<i>Ribes viburnifolium</i>	Evergreen currant	2-3'	X	X			X	X	E
<i>Rosa californica</i>	California wild rose	3'		X			X	X	D
<i>Salvia apiana</i>	White sage	3-5'	X	X		X			E
<i>Salvia clevelandii</i>	Cleveland's sage	3-5'	X			X			E
<i>Salvia clevelandii</i> 'Allen Chickering'	Allen Chickering Cleveland's sage	3-5'	X			X			E
<i>Salvia clevelandii</i> 'Whirly Blue'	Whirly blue Cleveland's sage	3-5'	X			X	X		E
<i>Salvia clevelandii</i> 'Winnifred Gilman'	Winnifred Gilman Cleveland's sage	3'	X			X			E
<i>Salvia leucophylla</i>	Purple sage	3-7'	X			X			E
<i>Salvia mellifera</i>	Black sage	3-6'	X			X	X		E
<i>Salvia mellifera</i> 'Terra Seca'	Terra seca black sage	2'	X			X	X		E
<i>Sambucus caerulea</i>	Blue elderberry	6-9'		X		X	X		D
<i>Sambucus mexicana</i>	Mexican elderberry	6-12'	X	X		X	X		D
<i>Spiraea douglasii</i>	Western spiraea	4-5'	X	X		X			D
<i>Styrax redivivus</i> <i>officinalis</i>	Snow drop bush	5-7'	X	X			X		D
<i>Symphoricarpos albus</i>	Snowberry	6-12'		X	X		X	X	D
<i>Trichostema lanatum</i>	Woolly bluecurls	3-4'	X			X			E

BIORETENTION

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Sacramento Valley Native Plant List. Provided by the California Native Plant Society, Sacramento Valley Chapter, July 2015.

Botanic name	Common name	Height	Dry	Med Water	Wet	Full Sun	Part Shade	Shade	Deciduous/ Evergreen
SHRUBS CONT.									
<i>Viguera parishii</i>	Desert golden eye	1-3'	X			X	X		D
SHRUBS/TREES									
<i>Cephalanthus occidentalis</i>	Buttonbush (buttonwillow)	3-15'		X	X	X	X		D
<i>Cercis occidentalis</i>	Western redbud	15-25'	X	X		X	X		D
<i>Myrica californica</i>	Pacific wax myrtle	10-30'		X		X			E
<i>Prunus lyonii</i> (P. ilicifolia ssp. lyonii)	Catalina cherry	15-20'	X	X		X			E
<i>Salix exigua</i> (Salix hindsiana)	Coyote willow	6-20'		X		X	X		D
<i>Salix laevigata</i>	Red willow	10-25'		X		X	X		D
<i>Salix lasiolepis</i>	Arroyo willow	10-20'		X		X			D
<i>Umbellularia californica</i>	California bay	6-50'		X			X		E
TREES									
<i>Acer circinatum</i>	Vine maple	5-35'		X	X	X	X		D
<i>Acer macrophyllum</i>	Big-leaf maple	30-50'		X	X	X	X		D
<i>Aesculus californica</i>	California buckeye	10-30'	X	X		X	X		D
<i>Arbutus menziesii</i>	Madrone	20-50'	X	X		X	X		E
<i>Calocedrus deudarens</i>	Incense cedar	50-90'	X	X		X			E
<i>Cornus nuttallii</i>	mountain dogwood	20-50'		X	X		X		D
<i>Cupressus sargentii</i>	Sargent cypress	10-40'	X			X	X		E
<i>Fraxinus latifolia</i>	Oregon ash	30-40'		X	X	X	X		D
<i>Juglans californica</i> var. hindsii	Northern California black walnut	30-60'	X	X		X			D
<i>Pinus attenuata</i>	Knobcone pine	20-40"	X	X					E
<i>Pinus jeffreyi</i>	Jeffrey pine	60-120'	X						E
<i>Pinus lambertiana</i>	Sugar	60-200'	X						E
<i>Pinus ponderosa</i>	Ponderosa pine	80-100'	X						E
<i>Pinus sabiniana</i>	Foothill pine	40-80'	X						E
<i>Platanus racemosa</i>	California sycamore	40-60'		X		X			D
<i>Quercus agrifolia</i>	Coast live oak	20-70'	X			X			E
<i>Quercus berberidifolia</i>	Scrub oak	6-15'	X			X			E
<i>Quercus douglasii</i>	Blue oak	30-50'	X	X		X	X		D
<i>Quercus durata</i>	Leather Oak	10'	X			X			E
<i>Quercus kelloggii</i>	Black oak	30-80'	X			X			D
<i>Quercus lobata</i>	Valley oak	50-70'	X			X			D
<i>Quercus wislizenii</i>	Interior live oak	30-80'	X	X		X			E
VINES									
<i>Aristolochia californica</i>	California pipe vine	10-40'	X	X		X	X		D
<i>Clematis ligusticifolia</i>	Western clematis	4-30'		X	X	X	X		D
<i>Clematis</i> sp.	Virgin's Bower	10-30'	X	X			X		D
<i>Lonicera hispidula</i>	Pink Honeysuckle	8-12'	x	x			x		D
<i>Vitis californica</i>	California wild grape	10-20'	X	X			X		D

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SIZING DESIGN GOALS AND REQUIREMENTS

The Post-Construction Storm Water Quality Plan (SWQP) Form 3-5 should be used to calculate the Water Quality Volume (WQV) of bioretention areas for Regulated Projects. This value is then used to iteratively determine the necessary bioretention area sizing to capture the remainder of the 85th percentile, 24-hour design storm not retained by Site Design Measures. The equation for determining the WQV is as follows:

$$\text{WQV} = \text{Unit WQV} * A_{\text{imp}} * R_c$$

Where:

WQV	= Water Quality Volume (ft ³);
Unit WQV	= design storm based on elevation and drawdown time
A_{imp}	= impervious drainage area untreated by Site Design Measures (ft ²); and
R_c	= Runoff Coefficient (default 0.9).

Sites with documented high concentrations of pollutants in underlying soil or groundwater, sites located where infiltration could contribute to a geotechnical hazard, and sites located on elevated plazas or other structures may incorporate an impervious liner and may locate the underdrain discharge at the bottom of the gravel layer to create a “Flow-Through Planter.” These Flow-Through Planters must be sized according to Water Quality Flow (WQF) using Form 3-5 and Form 3-7 of the SWQP. The equation for determining the WQF for Flow-Through Planters is as follows:

$$\text{WQF} = A_{\text{imp}} * P_F / 43,200$$

Where:

WQF	= Water Quality Flow (cfs);
A_{imp}	= impervious drainage area untreated by Site Design Measures (ft ²); and
P_F	= flow based design storm intensity (0.2 inch/hr).

CONSTRUCTION PHASE CONSIDERATIONS

Protection and Excavation

Protecting bioretention areas during all phases of construction is a top priority. In project specifications, and during pre-bid and pre-construction meetings, communicate requirements and expectations to the contractor. From the start of construction, areas should be fenced to define limits and keep heavy equipment out. Erosion and sediment control measures should be placed so that construction sediment and wastes cannot enter the facility. Excavation activities should avoid compacting the facility base and sidewalls and should not take place during wet weather. Inlets should be blocked until construction sediment sources are removed and plants are sufficiently established to hold up to stormwater flows. Plant establishment times will depend on plant species. Storm water directed away from bioretention areas during plant establishment must be managed using temporary BMPs.

Structures and Materials

Structures such as curbs, inlets, checkdams, bypass and underdrain systems and containment walls are critical to facility function. During construction, verify that the elevations of these elements match the design drawings. For example, the raised overflow structures used in bioretention facilities may look like a plan error to contractors not

BIORETENTION

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experienced with LID. Clearly communicating design objectives will help avoid uninformed field adjustments.

The bioretention soil mix and aggregate layers are also key components to achieving the desired performance. During pre-bid and pre-construction meetings, explain the characteristics and purpose of these materials to contractors and follow up by thoroughly reviewing construction material submittals.

INSPECTION AND MAINTENANCE REQUIREMENTS

A maintenance plan shall be provided with the Final SWQP. The maintenance plan shall include recommended maintenance practices, state the parties responsible for maintenance and upkeep, specify the funding source for ongoing maintenance, with provisions for full replacement when necessary, and provide site specific inspection checklist.

At a minimum the following inspections and maintenance activities should be conducted on an annual basis or more frequently if necessary:

Maintenance Indicator	Required Maintenance Activity
Is litter, excess sediment or debris present in the upstream drainage or in the bioretention facility?	Remove litter, sediment/debris. Inspect the areas upstream of the bioretention facility to make sure the tributary area is properly stabilized.
Is standing water present in the facility for longer than 72 hours after a storm?	Remove any accumulated sediment and flush drainage system including underdrain. Remove and replace top few inches of soil. Remove and replace all soil, re-grade and re-plant.
Are dead plants, weeds present?	Remove dead vegetation and replace as necessary. Pull weeds and trim excess plant growth.
Is erosion occurring within the facility or drainage system?	Repair erosion and stabilize to prevent recurrence
Are holes or voids present in the facility?	Inspect underdrain and replace soil if needed.
Are unwanted rodents or other pests present?	Implement environmentally friendly pest control practices. Do not use pesticides or herbicides in the bioretention facility.

REFERENCES

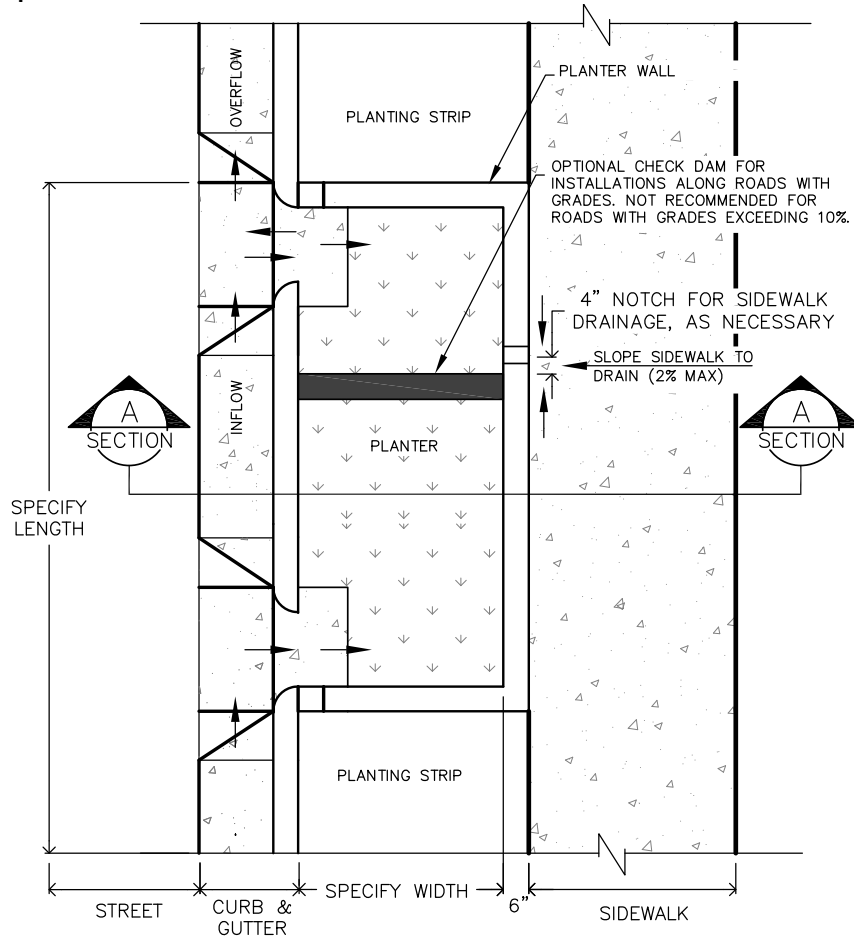
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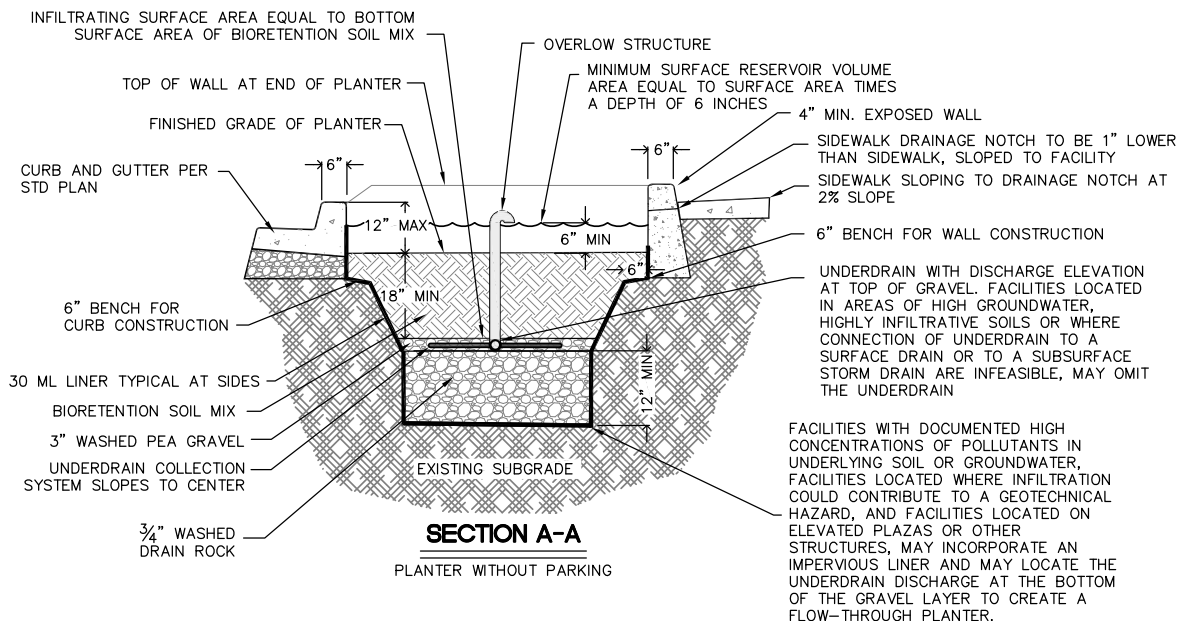
BIORETENTION FACILITIES

Fact Sheet TR-1

DESIGN DETAILS



PLAN VIEW



SECTION A-A

PLANTER WITHOUT PARKING

IN STREET BIORETENTION - WITHOUT PARKING

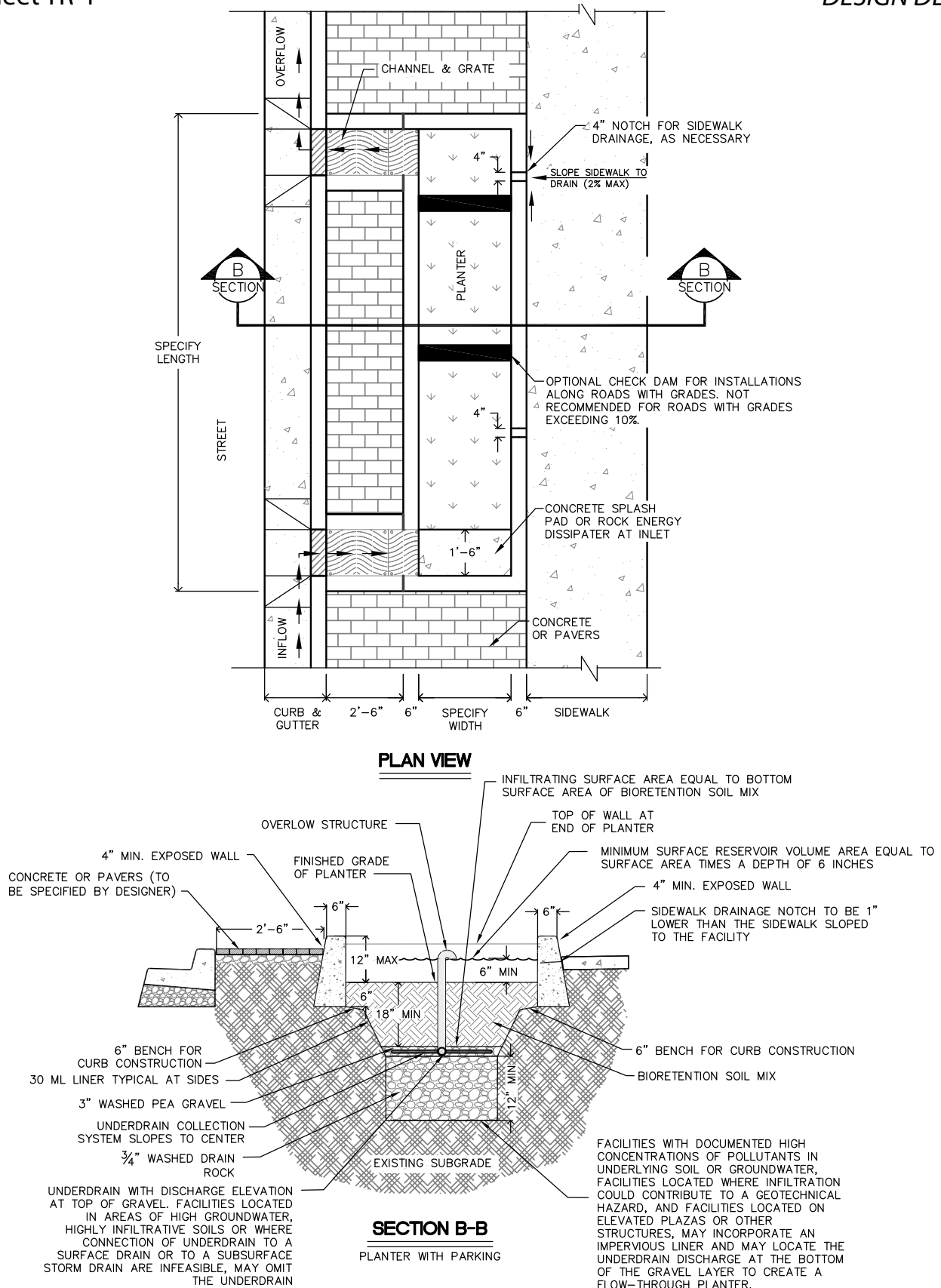
Plan & Section Views

DRAWING NOT TO SCALE
Source: Adapted from City of Salinas

BIORETENTION FACILITIES

Fact Sheet TR-1

DESIGN DETAILS



IN STREET BIORETENTION - WITH PARKING

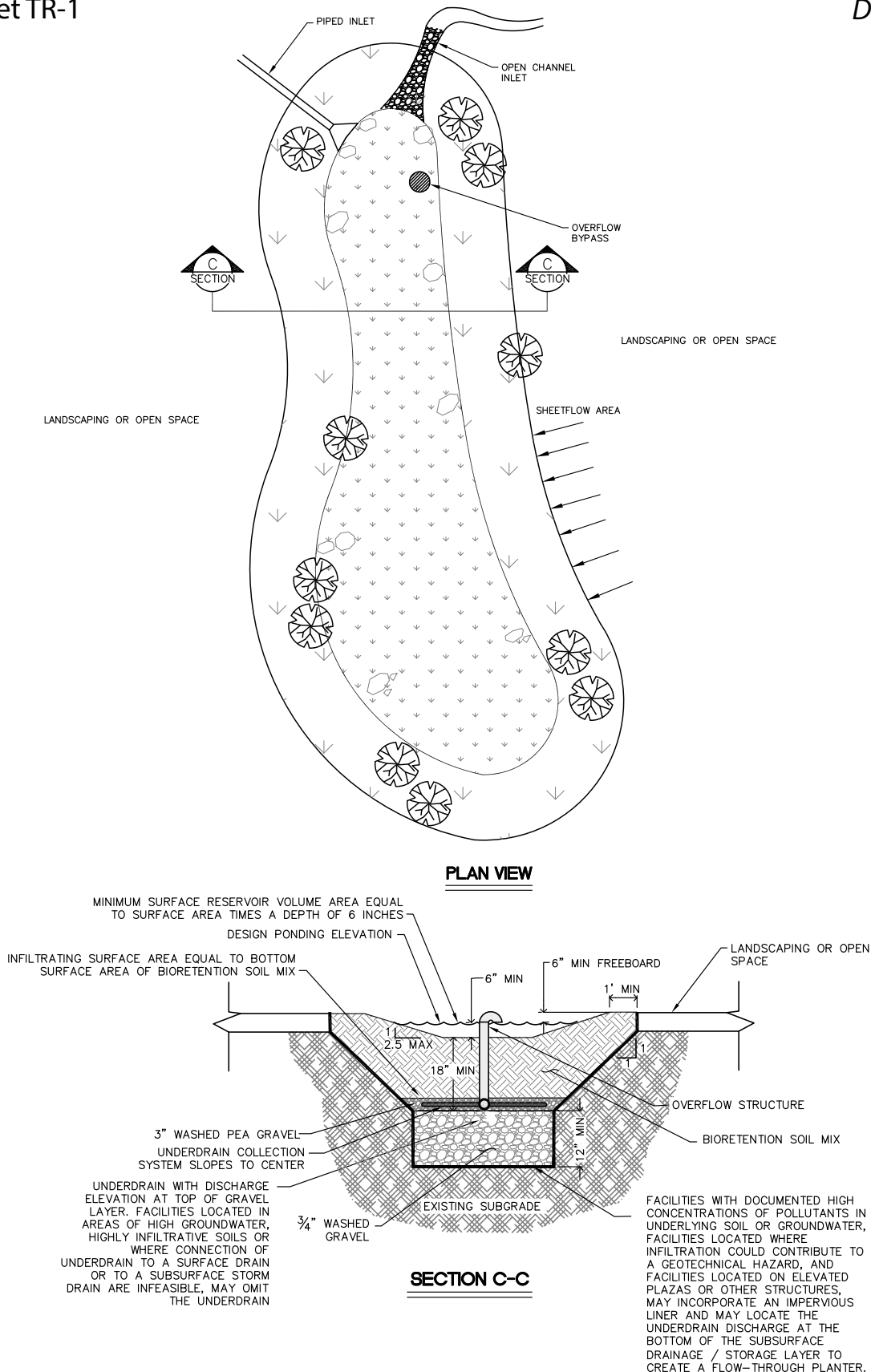
Plan and Section Views

DRAWING NOT TO SCALE
Source: Adapted from City of Salinas

BIORETENTION FACILITIES

Fact Sheet TR-1

DESIGN DETAILS



BIORETENTION IN LANDSCAPE OR OPEN SPACE AREAS

Plan and Section Views

DRAWING NOT TO SCALE
Source: Adapted from City of Salinas

MEDIA FILTER

Fact Sheet TR-2

DESCRIPTION

Storm water media filters are typically two-chambered including a pretreatment settling basin and a filter consisting of sand, gravel, or other adsorptive filtering media. As storm water flows into the first chamber, large particles settle out, and then finer particles and other pollutants are removed as stormwater flows through the filtering media in the second chamber. There are a number of design variations including the Austin sand filter, Delaware sand filter, multi-chambered treatment train (MCTT), and manufactured storm water filters. Treated storm water is collected in an effluent chamber or underdrain, and subsequently discharged to a storm water conveyance system or other appropriate location.

Manufactured storm water filters are typically underground systems that utilize membranes of various materials or cartridges filled with different types of media to filter stormwater runoff. For cartridge systems, the media used can be inert, such as sand, or adsorptive, such as peat or manufactured media. The effectiveness of these systems depends on the type of membrane or media being implemented, the filter loading rate, and the characteristics of the influent storm water. For some systems, the water chemistry will also determine the effectiveness of the filter in removing dissolved constituents.



Photo Source: Portland BES

ADVANTAGES

- Protects and improves water quality by removing pollutants from storm runoff.
- Customizable sizing (small footprint).
- Customizable filter media to target key site pollutants.
- May be located underground.
- Does not require irrigation.

LIMITATIONS

- Minimal reduction in runoff volume in comparison to other systems that promote infiltration, evaporation, or evapotranspiration.
- Designs that maintain permanent standing water may create vector concerns
- Confined space training may be required for maintenance on vault systems.
- Failure to maintain media filter may result in clogging and system failure.
- Significant head loss through filters may limit use on flat sites.
- High installation and maintenance costs.

KEY DESIGN FEATURES

Media filters may only be implemented for Regulated Projects that demonstrate use of bioretention facilities to be infeasible. Regulated Projects implementing media filters must meet the following requirements:

1. Projects creating or replacing an acre or less of impervious area, and located in a designated pedestrian-oriented commercial district (i.e., smart growth projects), and having at least 85% of the entire project site covered by permanent structures;
2. Facilities receiving runoff solely from existing (pre-project) impervious areas; and

MEDIA FILTER

Fact Sheet TR-2

3. Historic sites, structures or landscapes that cannot alter their original configuration in order to maintain their historic integrity.

The performance of any media filter is governed primarily by the following factors which should be carefully evaluated when designing the facility:

- Hydraulic Loading Rate – The application rate of untreated water to the surface of the filter media usually expressed as a flow rate per filter surface area (i.e. gpm/ft²);
- Filter Media Gradation – A finer media gradation reduces hydraulic conductivity and increases the capture efficiency for fine particulate pollutants. Finer media also has a greater surface area which increases sorption rates for chemically active media. A more homogenous media gradation increases voids volume in a media bed. Finer media is more susceptible to surface clogging.
- Residence Time - Residence time is a function of media gradation, hydraulic loading rate and the media bed depth and configuration. A longer residence time generally improves pollutant removal performance.
- Media Chemical Properties – Filter media can be inert (i.e. sand) or can be selected to target specific pollutants of concern (i.e. activated carbon for trace organics). Chemically active options may be organic, mineral or synthetic or a combination of types. Media should be selected with consideration of the type and load of pollutants requiring removal.
- Pretreatment – Integrate adequate pretreatment facilities into media filter designs to reduce sediment loading and maintenance frequency. The level of pretreatment required is dependent on the tributary drainage area, but typical pretreatment consists of a sedimentation chambers, hydrodynamic separator, vegetated buffer strips, and vegetated swales.
- Hydraulic Head – Different media filters types have varying hydraulic head requirements that must be considered during design. Certain media filter configurations may not be suitable for flat sites.

SIZING DESIGN GOALS AND REQUIREMENTS

The Post-Construction Storm Water Quality Plan (SWQP) Form 3-5 should be used to calculate the Water Quality Flow (WQF) of media filters for Regulated Projects. This value is then used in Form 3-7 to iteratively determine the necessary media filter sizing to capture the remainder of the 85th percentile, 24-hour design storm not retained by Site Design Measures. The equation for determining the WQF for media filters is as follows:

$$WQF = A_{imp} * P_F / 43,200$$

Where:

- WQF = Water Quality Flow (cfs);
- A_{imp} = impervious drainage area untreated by Site Design Measures (ft²); and
- P_F = flow based design storm intensity (0.2 inch/hr).

CONSTRUCTION PHASE CONSIDERATIONS

- Divert flow around the sand filter to protect it from sediment loads during construction. If sediment does enter the facility during construction, the sediment will require removal after the tributary area has been stabilized. Diverted flow must be managed using temporary BMPs.

MEDIA FILTER

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- Where underdrains are used, ensure that the minimum slope of the pipe is 0.5 (1/2) percent.
- Ensure that the inverts of notches, orifices, or weirs dividing chambers correspond with design elevations to ensure proper function.
- The surface of bed filters should be completely level to promote uniform filtration.
- If precast concrete lids are used, provide lifting rings or threaded sockets to allow easy removal with standard lifting equipment.
- Once construction is complete, stabilize the entire tributary area to the media filter before allowing runoff to enter the unit.

MAINTENANCE CONSIDERATIONS

Media filters may exhibit decreased effectiveness after a single year of operation, depending on the activities occurring in the drainage area and filter loading. They clog easily when subjected to high sediment loads, and sediment reducing pretreatment practices placed upstream of the filter should be maintained properly to reduce sediment loads into the filter.

Maintenance efforts will need to focus on basic housekeeping practices such as removal of sediment and debris accumulations to prevent clogs and/or ponds of standing water. To minimize the potential for clogging, frequent maintenance and inspection practices are required. Waste sand, gravel, membranes, or filter media must be disposed of properly and in accordance with all applicable laws.

Media filters can become a nuisance due to mosquito or midge breeding if not properly designed and maintained. Installations should dewater completely (recommended 96 hour or less residence time) to prevent creating mosquito and other vector habitats.

AVAILABLE VENDOR PRODUCTS

The names of vendor products listed below are for informational purposes only. Their appearance here is not an endorsement of the products or manufacturers by Placer County.

- BayFilter™
- Fabco Filter Cartridges
- Jellyfish®
- Media Filtration System (MFS)
- Perk Filter™
- Puristorm™
- Up-Flo™
- StormFilter®
- VortFilter™



Photo Source: Contech®

REFERENCES

California Department of Transportation (Caltrans). 2010. Treatment BMP Technology Report. CTSW-RT-09-239.06. Available online at: <http://www.dot.ca.gov/hq/env/stormwater/pdf/CTSW-RT-09-239-06.pdf>

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MEDIA FILTER

Fact Sheet TR-2

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Sacramento County, et al. 2014. Stormwater Quality Design Manual for the Sacramento Region. Available online at: http://www.beriverfriendly.net/docs/files/Master%20Stormwater%20Quality%20Manual%202014_FINAL_W%20APPEND_W%20COVER.pdf

TREE BOX FILTER

Fact Sheet TR-3

DESCRIPTION

Tree box filters are typically manufactured systems that provide biofiltration and media filtration to treat storm water runoff. Storm water typically flows into a pretreatment chamber to remove large sediment, debris and trash before passing into the biotreatment chamber where physical straining, and biological and chemical reactions in the mulch, root zone, and soil matrix occurs. Tree box filters are similar in concept to bioretention areas in function and application, with the major distinction that a tree box filter has been optimized for high volume/flow treatment, therefore the ratio of impervious area to treatment area is less. A tree box filter takes up little space and may be used on highly developed sites in areas such as landscaping, green space, parking lots and streetscapes.



Photo Source: Oldcastle Stormwater Solutions™

An underdrain in the tree box filter collects treated storm water to be discharged to the storm water conveyance system or other appropriate location. Manufactured tree box filters typically incorporate a high flow bypass to prevent scouring in the bioretention basin and mobilization of treated pollutants. The overflow can be directed to another treatment system or the municipal storm system.

ADVANTAGES

- Protects and improves water quality by removing pollutants from storm runoff.
- Customizable sizing (small footprint).
- Trees can reduce heat island effects.
- Can be integrated into landscaping and is aesthetically pleasing.
- Customizable vegetation.

LIMITATIONS

- Minimal reduction in runoff volume in comparison to other systems that promote infiltration.
- Designs that maintain permanent standing water may create vector concerns
- Vegetation may develop slowly, though treatment is still provided.
- Confined space training may be required for maintenance.
- Failure to maintain may result in clogging and system failure.
- High installation and maintenance costs.

KEY DESIGN FEATURES

Tree box filters may only be implemented for Regulated Projects that demonstrate use of bioretention facilities to be infeasible. Regulated Projects implementing tree box filters must meet the following requirements:

1. Projects creating or replacing an acre or less of impervious area, and located in a designated pedestrian-oriented commercial district (i.e., smart growth projects), and having at least 85% of the entire project site covered by permanent structures;
2. Facilities receiving runoff solely from existing (pre-project) impervious areas; and
3. Historic sites, structures or landscapes that cannot alter their original configuration in order to maintain their historic integrity.

TREE BOX FILTER

Fact Sheet TR-3

The performance of a tree box filter is governed primarily by the following factors which should be carefully evaluated when designing the facility:

- Hydraulic Loading Rate – The application rate of untreated water to the surface of the filter media usually expressed as a flow rate per filter surface area (i.e. gpm/ft²);
- Filter Media Gradation – A finer media gradation reduces hydraulic conductivity and increases the capture efficiency for fine particulate pollutants. Finer media also has a greater surface area which increases sorption rates for chemically active media. A more homogenous media gradation increases voids volume in a media bed. Finer media is more susceptible to surface clogging.
- Residence Time - Residence time is a function of media gradation, hydraulic loading rate and the media bed depth and configuration. A longer residence time generally improves pollutant removal performance.
- Media Chemical Properties – Filter media can be inert (i.e. sand) or can be selected to target specific pollutants of concern (i.e. activated carbon for trace organics). Chemically active options may be organic, mineral or synthetic or a combination of types. Media should be selected with consideration of the type and load of pollutants requiring removal.
- Pretreatment – Integrate adequate pretreatment facilities into media filter designs to reduce sediment loading and maintenance frequency. The level of pretreatment required is dependent on the tributary drainage area, but typical pretreatment consists of a sedimentation chambers, hydrodynamic separator, vegetated buffer strips, and vegetated swales.
- Vegetation – Choose moisture-tolerant plants that can tolerate both fluctuating water conditions and drought conditions. Guidance on planting and general landscape design is provided in the [Placer County Landscape Design Guidelines](#) (Placer County Planning Services Division, 2013). Refer to fact sheet TR-1 for more information on recommended plant species.

CONSTRUCTION PHASE CONSIDERATIONS

- Divert flow around the tree box filter to protect it from sediment loads during construction. If sediment does enter the facility during construction, the sediment will require removal after the tributary area has been stabilized. Diverted flow must be managed using temporary BMPs.
- Where underdrains are used, ensure that the minimum slope of the pipe is 0.5 (1/2) percent.
- Once construction is complete, stabilize the entire tributary area to the media filter before allowing runoff to enter the unit.

SIZING DESIGN GOALS AND REQUIREMENTS

The Post-Construction Storm Water Quality Plan (SWQP) Form 3-5 should be used to calculate the Water Quality Flow (WQF) of tree box filters for Regulated Projects. This value is then used in Form 3-7 to iteratively determine the necessary tree box filter sizing to capture the remainder of the 85th percentile, 24-hour design storm not retained by Site Design Measures. The equation for determining the WQF for tree box filters is as follows:

$$WQF = A_{imp} * P_F / 43,200$$

Where:

WQF = Water Quality Flow (cfs);

A_{imp} = impervious drainage area untreated by Site Design Measures (ft²); and

P_F = flow based design storm intensity (0.2 inch/hr).

TREE BOX FILTER

Fact Sheet TR-3

MAINTENANCE CONSIDERATIONS

Maintenance activities and frequencies are specific to each manufactured product. Semiannual maintenance is typical and should be performed per manufacturer specifications. Maintenance agreements are available from some manufacturers.

Tree box filters may exhibit decreased effectiveness after a single year of operation, depending on the activities occurring in the drainage area and filter loading. They clog easily when subjected to high sediment loads, and sediment reducing pretreatment practices placed upstream of the filter should be maintained properly to reduce sediment loads into the filter.

Maintenance efforts will need to focus on basic housekeeping practices such as removal of sediment and debris accumulations to prevent clogs and/or ponds of standing water. To minimize the potential for clogging, frequent maintenance and inspection practices are required. Waste sand, gravel, soil, mulch, or filter media must be disposed of properly and in accordance with all applicable laws.

Tree box filters can become a nuisance due to mosquito or midge breeding if not properly designed and maintained. Installations should dewater completely (recommended 72 hour or less residence time) to prevent creating mosquito and other vector habitats.



Photo Source: Contech®

AVAILABLE VENDOR PRODUCTS

The names of vendor products listed below are for informational purposes only. Their appearance here is not an endorsement of the products or manufacturers by Placer County.

- DeepRoot® Silva Cell
- Filterra® Bioretention System
- TreePod® Biofilter
- UrbanGreen™ Biofilter

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Appendix C
Source Control Measures Selection Table

Source Control Measures Selection Table

Potential Pollutant Source or Activity	Source Control Measure and General Implementation Protocols	CASQA BMP Handbook with Additional Information	CASQA Fact Sheet No.
Accidental spills or leaks	Spill Prevention, Control and Cleanup - Develop procedures to prevent/mitigate spills to storm drain systems. - Develop and standardize reporting procedures, containment, storage, and disposal activities, documentation, and follow-up procedures. - Establish procedures and/or controls to minimize spills and leaks. - Recycle, reclaim, or reuse materials whenever possible.	Industrial and Commercial (2014)	SC-11
Interior floor drains	Non-Stormwater Discharges - Visually inspect and inventory all interior floor drains. - Do not connect to MS4. Floor drains should discharge to sumps for pumping and disposal or to the sanitary sewer in compliance with local agency requirements. - For redevelopment, identify and disconnect interior floor drains from the MS4. - Isolate problem areas and plug illicit discharge points.	Industrial and Commercial (2014)	SC-10
Parking/Storage Areas and Maintenance	Parking/Storage Area Maintenance - Encourage advanced designs and maintenance strategies for impervious parking lots. - Keep accurate maintenance logs to evaluate BMP implementation.	Industrial and Commercial (2014)	SC-43
Indoor and structural pest control	Building and Grounds Maintenance - Follow all federal, state, and local laws and regulations governing the use, storage, and disposal of pesticides. - Do not mix, prepare, or apply pesticides near storm drain inlets. - Encourage use of Integrated Pest Management techniques for pest control.	Industrial and Commercial (2014)	SC-41
	Safer Alternative Products Use less toxic pesticides that will do the job when applicable. Avoid use of copper-based pesticides if possible.	Industrial and Commercial (2014)	SC-35
Pools, spas, ponds, decorative fountains, and other water features	Mobile Cleaning - Swimming Pools and Spas Never discharge wash water or wastewater from cleaning swimming pools and spas to the driveway, street, gutter, or near a storm drain.	Industrial and Commercial (2014)	BG-63

Potential Pollutant Source or Activity	Source Control Measure and General Implementation Protocols	CASQA BMP Handbook with Additional Information	CASQA Fact Sheet No.
	Follow local regulations for draining swimming pools and spas into the sanitary sewer system.		
	Fountains and Pools Maintenance - Prevent algae problems with regular cleaning, consistent adequate chlorine levels, and well-maintained water filtration and circulation systems. - Manage pH and water hardness to minimize corrosion of copper pipes. - Do not use copper-based algaecides. Control algae with chlorine or other alternatives, such as sodium bromide. - Reduce fertilizer use in areas around the water body. High nitrogen fertilizers may contribute to excessive algae growth.	Municipal (2003)	SC-72
Landscaping/outdoor pesticide use	Building and Grounds Maintenance - Follow all federal, state, and local laws and regulations governing the use, storage, and disposal of fertilizers and pesticides. - Use non-toxic chemicals to the maximum extent possible. - Encourage use of Integrated Pest Management techniques for pest control. - Encourage proper onsite recycling of yard trimmings. - Do not use pesticides if rain is expected. - Do not mix, prepare, or apply fertilizers and pesticides near storm drain inlets. - Use the minimum amount of fertilizer and pesticides needed for the job. - Calibrate fertilizer distributors to avoid excessive application. - Employ techniques to minimize off-target application (e.g., spray drift) of pesticides, including consideration of alternative application techniques. - Apply pesticides only when wind speeds are low.	Industrial and Commercial (2014)	SC-41
	Safer Alternative Products Use less toxic pesticides that will do the job when applicable. Avoid use of copper-based pesticides if possible.	Industrial and Commercial (2014)	SC-35
	Site Design and Landscape Planning Integrate and incorporate appropriate landscape planning methodologies into the project design to minimize surface and groundwater contamination from stormwater.	New Development and Redevelopment (2003)	SD-10

Potential Pollutant Source or Activity	Source Control Measure and General Implementation Protocols	CASQA BMP Handbook with Additional Information	CASQA Fact Sheet No.
	Efficient Irrigation Design and implement irrigation methods that minimize runoff of excess irrigation water into the stormwater conveyance system.	New Development and Redevelopment (2003)	SD-12
Restaurants, grocery stores, and other food service operations	Food Service Facilities - Minimize exposure of rain and runoff to outdoor cleaning and storage areas by using cover and containment. - Use good housekeeping to minimize the generation of pollutants. - Make stormwater pollution prevention BMPs a part of standard operating procedures and the employee training program. - Provide employee education materials in the first language of employees.	Industrial and Commercial (2014)	BG-30
	Mobile Cleaning – Food Service Related - Perform dry cleanup before washing with water. - Wash without soaps and solvents. - Keep polluted water out of storm drains. - Dispose of wastewater correctly and legally	Industrial and Commercial (2014)	BG-61
Refuse areas	Waste Handling and Disposal - Cover storage containers with leak proof lids. - Cover all waste piles (plastic tarps are acceptable coverage) and prevent stormwater run-on and runoff with a berm. - Recycle materials whenever possible. - Use the entire product before disposing of the container. - Take special care when loading or unloading wastes to minimize losses. Loading systems can be used to minimize spills and fugitive emission losses such as dust or mist. Vacuum transfer systems can minimize waste loss. - Use dry methods when possible (e.g., sweeping, use of absorbents. If water must be used after sweeping, collect water and discharge through grease interceptor to the sanitary sewer.	Industrial and Commercial (2014)	SC-34

Potential Pollutant Source or Activity	Source Control Measure and General Implementation Protocols	CASQA BMP Handbook with Additional Information	CASQA Fact Sheet No.
Industrial Processes	Non-Stormwater Discharges - Develop clear protocols and lines of communication for effectively prohibiting non-stormwater discharges, especially those that are not classified as hazardous. - Stencil or demarcate storm drains, where applicable, to prevent ignorant, unintentional, and illegal disposal of pollutants. Storm drain inlets should have messages such as “Dump No Waste Drains to Stream” or similar. - Manage and control sources of water such as hose bibs, faucets, wash racks, irrigation heads, etc. Identify hoses and faucets in the SWPPP, and post signage for appropriate use.	Industrial and Commercial (2014)	SC-10
Outdoor storage of equipment or materials	Outdoor Loading/Unloading - Park tank trucks or delivery vehicles in designated areas so that spills or leaks can be contained. - Limit exposure of material to rainfall whenever possible. - Prevent stormwater run-on. - Check equipment regularly for leaks.	Industrial and Commercial (2014)	SC-30
	Outdoor Liquid Container Storage - Educate employees about pollution prevention measures and goals. - Keep an accurate, up-to-date inventory of the materials delivered and stored onsite. - Try to keep chemicals in their original containers, and keep them well labeled. - Develop an operations plan that describes procedures for loading and/or unloading. - Protect materials from rainfall, run-on, runoff, and wind dispersal.	Industrial and Commercial (2014)	SC-31
	Outdoor Equipment Operations - Perform the activity during dry periods whenever possible. - Install secondary containment measures where leaks and spills may occur. - Use non-toxic chemicals for maintenance and minimize or eliminate the use of solvents. - Connect process equipment area to public sanitary sewer or facility wastewater treatment system. Do not connect drains from secondary containment areas to the storm drain.	Industrial and Commercial (2014)	SC-32

Potential Pollutant Source or Activity	Source Control Measure and General Implementation Protocols	CASQA BMP Handbook with Additional Information	CASQA Fact Sheet No.
Outdoor storage of equipment or materials (cont.)	Outdoor Storage of Raw Materials - Emphasize employee education for successful BMP implementation. - Store materials that could contaminate stormwater inside or under permanent cover and bermed to prevent stormwater contact. - Elevate and tarp solid materials such as beams, metal, etc. - Minimize the inventory of raw materials kept outside. - Keep an accurate, up-to-date inventory of the materials delivered and stored on-site. - Stormwater runoff that could potentially be contaminated by materials stored outdoors should be drained to the sanitary sewer. The drain must have a positive control such as a lock, valve, or plug to prevent release of contaminated liquids.	Industrial and Commercial (2014)	SC-33
Vehicle and equipment cleaning	Vehicle and Equipment Cleaning - If possible, use properly maintained off-site commercial washing and steam cleaning businesses whenever possible. - Use dry cleaning methods to remove debris and sweep area when possible. - Good housekeeping practices can minimize the risk of contamination from wash water discharges. - Use biodegradable, phosphate-free detergents for washing vehicles as appropriate. - Emphasize the connection between the storm drain system and runoff, help reinforce that vehicle and equipment washing activities affect local water quality through storm drain stenciling programs. - Map on-site storm drain locations to avoid discharges to the storm drain system. - Designate specific wash area with clarifier or place wash areas away from storm drain connections.	Industrial and Commercial (2014)	SC-21
Vehicle and equipment repair and maintenance	Vehicle and Equipment Repair - Designate a vehicle maintenance area designed to prevent stormwater pollution. - Minimize contact of stormwater with outside operations through berming and appropriate drainage routing. - Keep accurate maintenance logs to evaluate materials removed and improvements made.	Industrial and Commercial (2014)	SC-22

Potential Pollutant Source or Activity	Source Control Measure and General Implementation Protocols	CASQA BMP Handbook with Additional Information	CASQA Fact Sheet No.
	- Switch to non-toxic chemicals for maintenance when possible. - Choose cleaning agents that can be recycled. - Use drop cloths and drip pans.		
Fuel dispensing areas	Vehicle and Equipment Fueling - Use properly maintained off-site fueling stations whenever possible. - Focus pollution prevention activities on containment of spills and leaks, most of which may occur during liquid transfers.	Industrial and Commercial (2014)	SC-20
Loading docks	Outdoor Loading/Unloading - Develop an operations plan that describes procedures for loading and/or unloading. - Conduct loading and unloading in dry weather if possible. - Cover designated loading/unloading areas to reduce exposure of materials to rain. - Consider placing a seal or door skirt between delivery vehicles and building to prevent exposure to rain. - Design loading/unloading area to prevent stormwater run-on, which would include grading or berming the area, and position roof downspouts so they direct stormwater away from the loading/unloading areas. - Pave loading areas with concrete instead of asphalt. - Avoid placing storm drains inlets in the area. - Grade and/or berm the loading/unloading area with drainage to sump; regularly remove materials accumulated in sump.	Industrial and Commercial (2014)	SC-30
Fire sprinkler test water	Non-Stormwater Discharges Develop a plan to eliminate discharge to the storm drain system.	Industrial and Commercial (2014)	SC-10
	Building and Grounds Maintenance - Dispose fire sprinkler line test water into the sanitary sewer. - Do not allow discharge to storm drain or infiltration due to potential high levels of pollutants in fire sprinkler line water.	Industrial and Commercial (2014)	SC-41
Drain or wash water from boiler drain lines, condensate drain lines, rooftop equipment, drainage sumps, and other sources	Non-Stormwater Discharges - Manage and control sources of water from drain lines. - Eliminate discharge of water from drain lines to the storm drain system. - Repair drain line leaks immediately.	Industrial and Commercial (2014)	SC-10

Potential Pollutant Source or Activity	Source Control Measure and General Implementation Protocols	CASQA BMP Handbook with Additional Information	CASQA Fact Sheet No.
Drain or wash water from boiler drain lines, condensate drain lines, rooftop equipment, drainage sumps, and other sources (cont.)	Building and Grounds Maintenance - In situations where soaps or detergents are used and the surrounding area is paved, use a water collection device that enables collection of wash water and associated solids for subsequent removal and proper disposal. - If soaps or detergents are not used, and the surrounding area is paved, wash runoff does not have to be collected but must be screened. - If washing on a grassed area (with or without soap), runoff must be dispersed as sheet flow as much as possible, rather than as a concentrated stream. The wash runoff must remain on the grass and not drain to pavement.	Industrial and Commercial (2014)	SC-41
Unauthorized non-storm water discharges	Non-Stormwater Discharges Effectively eliminate unauthorized non-stormwater discharges to the storm water drainage system through implementation of measures to detect, correct, and enforce against illicit connections and illegal discharges of pollutants onto streets and into the storm drain system and downstream water bodies.	Industrial and Commercial (2014)	SC-10
Building and grounds maintenance	Building and Grounds Maintenance - Switch to non-toxic chemicals for maintenance to the maximum extent possible. - Choose cleaning agents that can be recycled. - Encourage proper lawn management and landscaping, including use of native vegetation. - Encourage use of Integrated Pest Management techniques for pest control. - Encourage proper onsite recycling of yard trimmings. - Recycle residual paints, solvents, lumber, and other material as much as possible.	Industrial and Commercial (2014)	SC-41

Appendix D

SWQP Examples

Small Project

Post-Construction Storm Water Quality Plan

For:

**Jones Residence
Placer County**

APN: 000-0000-000

Prepared for:

Joe Jones

Owner

Not Applicable - Private Residence

12345 X St

Placer County, CA 99999

999-999-9999

Prepared by:

Stormwater Inc.

12345 Y St

City, CA 99999

999-999-9999

Preparation Date: March 12, 2016

Approval Date: _____

Section 1 General Project Information

The undersigned owner of the subject property, is responsible for the implementation of the provisions of this plan, including ongoing operations and maintenance (O&M), consistent with the requirements of the West Placer Storm Water Quality Design Manual and the State of California Phase II Small MS4 General Permit (Order No: 2013-0001-DWQ). If the undersigned transfers its interest in the property, its successors-in-interest shall bear the aforementioned responsibility to implement the SWQP.

For all Regulated Projects (As identified in Form 1-2 below), the undersigned owner hereby grants access to all representatives of the Jurisdictional Agency for the sole purpose of performing O&M inspections of the installed treatment system(s) and hydromodification control(s) if any.

A copy of the final signed and fully approved SWQP shall be available on the subject site for the duration of construction and then stored with the project approval documentation and improvement plans in perpetuity.

Form 1-1 Project Identification and Owner's Certification		
Project Site Address:	12345 X St, Placer County, CA 99999	
Owner Name:	Joe Jones	
Title	Owner	
Company	Not Applicable - Private Residence	
Address	12345 X St	
City, State, Zip Code	Placer County, CA 99999	
Email		
Telephone #	999-999-9999	
Signature	Date	
Engineer:*	NA - Small Project	PE Stamp* (Required for all Regulated Projects)
Title		
Company	Stormwater Inc.	
Address	12345 Y St	
City, State, Zip Code	City, CA 99999	
Email		
Telephone #	999-999-9999	
Signature		
Brief Description of Project: (Attach additional sheets as necessary)	3,000 sq ft residential home.	

* Not required for Small Projects as determined in Form 1-2 below. Project owners are responsible for ensuring that all storm water facilities are designed by an appropriately licensed and qualified professional.

Form 1-2 Project Category

Development Category (Select all that apply)

¹**Small Project** – All projects, except LUPs, that create and/or replace between 2,500-5,000 ft² of impervious surface or detached single family homes that create and/or replace 2,500 ft² or more of impervious surface and are not part of a larger plan of development.

X

²Enter total new and/or replaced impervious surface (ft²)

3000

³**Regulated Project** – All projects that create and/or replace 5,000 ft² or more of impervious surface.

⁴**Regulated Redevelopment Project** with equal to, or greater than 50 percent increase in impervious area

⁵**Regulated Redevelopment Project** with less than 50 percent increase in impervious area

⁶Enter total pre-project impervious surface (ft²)

⁷Enter total new and/or replaced impervious surface (ft²)

⁸**Regulated Road or linear underground/overhead project (LUP)** creating 5,000 ft² or more of newly constructed contiguous impervious surface.

⁹Enter total new and/or replaced impervious surface (ft²)

¹⁰**Regulated Hydromodification Management Project** – Regulated projects that create and/or replace 1 acre or more of impervious surface. A project that does not increase impervious surface area over the pre-project condition is not a hydromodification management project.

¹¹Enter total new and/or replaced impervious surface (ft²)

Section 2 Small Projects

Form 2-1 Site Assessment and Layout Documentation

	Has this Item been considered in the Site Layout and depicted in the Site Plan?	
	Yes	Not Applicable (Include brief explanation)
Define the development envelope and protected areas, identifying areas that are most suitable for development and areas to be landscaped , or left undisturbed, and used for infiltration.	X	
Minimize overall impervious coverage (paving and roofs) of the site.	X	
Set back development from creeks, wetlands, and riparian habitats in accordance with local ordinances.		No creeks on sites
Preserve significant trees and native vegetation.	X	
Conform site layout along natural landforms.	X	
Avoid excessive grading and disturbance of vegetation and soils and stabilize disturbed areas.	X	
Replicate the site's natural drainage patterns.	X	

Attach a Site Plan that incorporates the applicable considerations above. Ensure that the following items are included in the Site Plan:

Site Boundary
 Topographic data with 1 ft. contours (5 ft. contours are acceptable on steeper sites).
 Existing natural hydrologic features (depressions, watercourses, wetlands, riparian corridors)
 Environmentally sensitive areas and areas to be preserved.
 Proposed locations and footprints of improvements creating new, or replaced, impervious surfaces
 Proposed site drainage with flow directions and site run-on and discharge locations
 Proposed Site Design Measures to reduce runoff

Form 2-2 Runoff Reduction Calculator for Site Design Measures on Small Projects				
¹ Project Site Elevation (ft. above seal level)	500			
Site Design Measure	Runoff Reduction Parameters			Runoff Reduction (ft³)
² Adjacent/On-Site Stream Setbacks and Buffers	A _{imp} (ft ²)	impervious drainage area		0
	V ₈₅ (in)	runoff volume from 85th percentile, 24-hour storm	0.8	
³ Soil Quality Improvement and Maintenance	A _{pond} (ft ²)	ponding area		0
	D _{pond} (ft)	ponding depth		
	A _{sa} (ft ²)	soil amendment area		
	D _{sa} (ft)	depth of amended soil		
	n	porosity of amended soil		
⁴ Tree Planting and Preservation	n _e	number of new evergreen trees	5	137
	n _d	number of new deciduous trees	4	
	A _{tc} (ft ²)	Canopy area of existing trees to remain on the property	500	
	V ₈₅ (in)	runoff volume from 85th percentile, 24-hour storm	0.8	
⁵ Rooftop and Impervious Area Disconnection	A _{imp} (ft ²)	impervious drainage area		0
	V ₈₅ (in)	runoff volume from 85th percentile, 24-hour storm	0.8	
⁶ Porous Pavement	A _{res} (ft ²)	area of gravel storage layer		0
	D _{res} (ft)	depth of gravel storage layer		
	n _{agg}	porosity of aggregate		
	C	efficiency factor		
⁷ Vegetated Swales	A _{imp} (ft ²)	impervious drainage area		0
	V ₈₅ (in)	runoff volume from 85th percentile, 24-hour storm	0.8	
⁸ Rain Barrels and Cisterns	N	number of rain barrels and/or cisterns		0
	V _a (ft ³)	volume of each rain barrel and/or cistern		
⁹ Total Volume Reduction (ft ³)				137
¹⁰ Effective Treated Impervious Area (ft ²)				2026
<u>85th Percentile, 24 Hour Design Storm Depth</u> Elevation <500 feet = 0.9 inch Elevation 500-1,000 feet = 1.0 inch Elevation 1,000-1,500 feet = 1.1 inch				

Regulated Project

Post-Construction Storm Water Quality Plan

For:

Project XYZ Placer County

Planning Permit No. 1, Improvement Plan No. 1, Grading Permit No. 1, Building Permit No. 1
Lot No. 1

Prepared for:

Joe Jones
President
Development Inc.
XX C St.
Sacramento, CA 99999
999-999-9999

Prepared by:

Development Inc.
XX C St.
Sacramento, CA 99999
999-999-9999

Preparation Date: March 15, 2016

Approval Date: _____

Section 1 General Project Information

The undersigned owner of the subject property, is responsible for the implementation of the provisions of this plan, including ongoing operations and maintenance (O&M), consistent with the requirements of the West Placer Storm Water Quality Design Manual and the State of California Phase II Small MS4 General Permit (Order No: 2013-0001-DWQ). If the undersigned transfers its interest in the property, its successors-in-interest shall bear the aforementioned responsibility to implement the SWQP.

For all Regulated Projects (As identified in Form 1-2 below), the undersigned owner hereby grants access to all representatives of the Jurisdictional Agency for the sole purpose of performing O&M inspections of the installed treatment system(s) and hydromodification control(s) if any.

A copy of the final signed and fully approved SWQP shall be available on the subject site for the duration of construction and then stored with the project approval documentation and improvement plans in perpetuity.

Form 1-1 Project Identification and Owner's Certification		
Project Site Address:	123 C Steet, Placer County, CA 99999	
Owner Name:	Joe Jones	
Title	President	
Company	Development Inc.	
Address	XX C St.	
City, State, Zip Code	Sacramento, CA 99999	
Email	Joe@email.com	
Telephone #	999-999-9999	
Signature	Date	
Engineer:*	Frank T. Storm	PE Stamp* (Required for all Regulated Projects)
Title	Civil Engineer	
Company	Development Inc.	
Address	XX C St.	
City, State, Zip Code	Sacramento, CA 99999	
Email	Frank@email.com	
Telephone #	999-999-9999	
Signature		
Brief Description of Project: (Attach additional sheets as necessary)	New office building and parking lot.	

* Not required for Small Projects as determined in Form 1-2 below. Project owners are responsible for ensuring that all storm water facilities are designed by an appropriately licensed and qualified professional.

Form 1-2 Project Category

Development Category (Select all that apply)

¹**Small Project** – All projects, except LUPs, that create and/or replace between 2,500-5,000 ft² of impervious surface or detached single family homes that create and/or replace 2,500 ft² or more of impervious surface and are not part of a larger plan of development.

²Enter total new and/or replaced impervious surface (ft²)

³**Regulated Project** – All projects that create and/or replace 5,000 ft² or more of impervious surface.

X

⁴**Regulated Redevelopment Project** with equal to, or greater than 50 percent increase in impervious area

⁵**Regulated Redevelopment Project** with less than 50 percent increase in impervious area

⁶Enter total pre-project impervious surface (ft²)

0

⁷Enter total new and/or replaced impervious surface (ft²)

9225

⁸**Regulated Road or linear underground/overhead project (LUP)** creating 5,000 ft² or more of newly constructed contiguous impervious surface.

⁹Enter total new and/or replaced impervious surface (ft²)

¹⁰**Regulated Hydromodification Management Project** – Regulated projects that create and/or replace 1 acre or more of impervious surface. A project that does not increase impervious surface area over the pre-project condition is not a hydromodification management project.

¹¹Enter total new and/or replaced impervious surface (ft²)

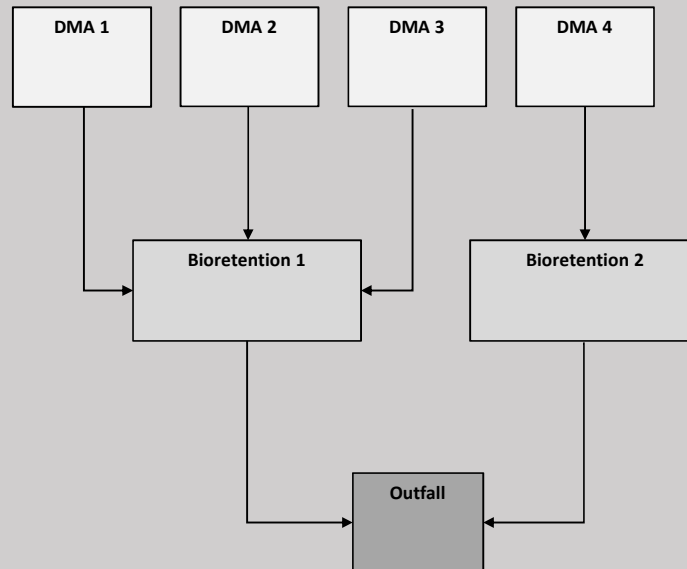
Section 3 Regulated Projects

Section 3 forms are to be completed for all Regulated Projects.

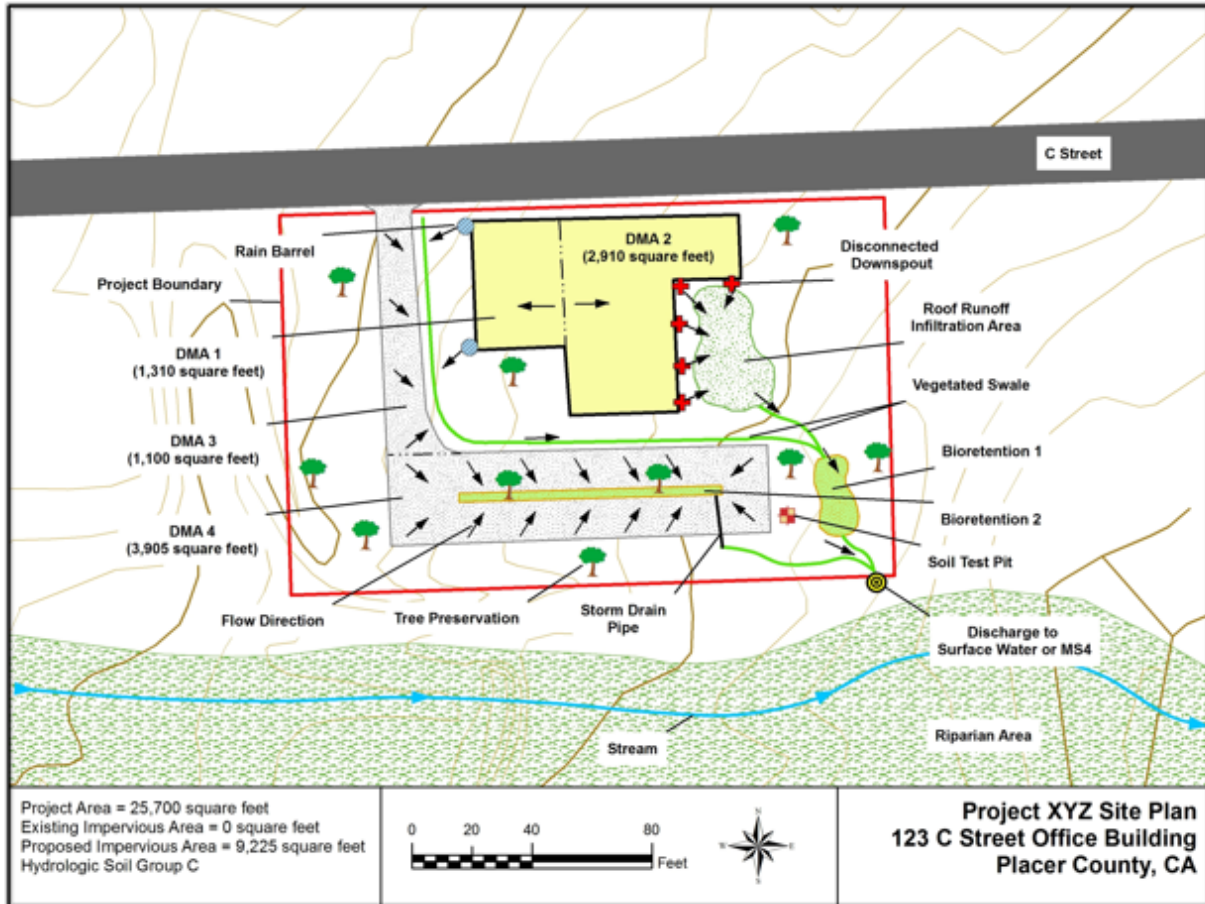
Form 3-1 Site Location and Hydrologic Features

Site coordinates: <i>Take GPS measurement at approximate center of site</i>	¹ Latitude xx	² Longitude xx	³ Elevation (ft. above sea level) 1200	⁴ 85th Percentile, 24 Hour Design Storm Depth (in): 1.1
⁵ Receiving waters <i>Name of stream, lake or other downstream waterbody to which the site runoff eventually drains</i>		Folsom Reservoir		
⁶ 303(d) listed pollutants of concern <i>Refer to State Water Resources Control Board website www.waterboards.ca.gov/water_issues/programs/water_quality_assessment/#impaired</i>		Mercury		
⁷ Is Project going to be phased? <i>If yes, ensure that the SWQP evaluates each phase with distinct DMAs, requiring LID BMPs to address runoff at time of completion.</i>				No
⁸ Use this form to show a conceptual schematic depicting DMAs and conveyance features connecting DMAs to the site outlet(s). An example is provided below that can be modified for the proposed project or a drawing clearly showing DMAs and flow routing may be attached.				

Example only
Modify for project specific SWQP
Use separate sheet if necessary



Form 3-2 Site Assessment and Layout Documentation		
	Has this Item been considered in the Site Layout and depicted in the Site Plan?	
	Yes	Not Applicable (Include brief explanation)
Define the development envelope and protected areas, identifying areas that are most suitable for development areas to be left undisturbed.	X	
Concentrate development on portions of the site with less permeable soils and preserve areas that can promote infiltration.	X	
Limit overall impervious coverage of the site with paving and roofs.	X	
Set back development from creeks, wetlands, and riparian habitats.		NA Existing stream is too close to provide 500 ft setback
Preserve significant trees.	X	
Conform site layout along natural landforms.	X	
Avoid excessive grading and disturbance of vegetation and soils.	X	
Replicate the site's natural drainage patterns.	X	
Detain and retain runoff throughout the site.	X	
Attach a Site Plan that incorporates the applicable considerations above. Ensure that the following items are included in the Site Plan:		
Site Boundary Soil types and areal extents, test pit and infiltration test locations Topographic data with 1 ft. contours Existing natural hydrologic features (depressions, watercourses, wetlands, riparian corridors) Environmentally sensitive areas and areas to be preserved. Proposed locations and footprints of improvements creating new, or replaced, impervious surfaces Potential pollutant sources and locations Entire site divided into separate DMAs with unique identifiers Existing and proposed site drainage network with flow directions and site run-on and discharge locations Proposed design features and surface treatments used to minimize imperviousness and reduce runoff Proposed locations and footprints of treatment and hydromodification management facilities Design features for managing authorized non-stormwater discharges Areas of soil and/or groundwater contamination Existing utilities and easements Maintenance areas		



Form 3-3 Source Control Measures			
Potential Pollutant Generating Activity or Source	Check One		Describe the source control measures to be implemented for each potential pollutant generating activity or source present on the project as listed in Appendix C and in the CASQA Fact Sheets. Include any special features, materials, or methods of construction that will be used.
	Present	Not Applicable	
Accidental spills or leaks	☒	☐	All materials will be stored inside and properly sealed.
Interior floor drains	☒	☐	Floor drains in basement connect to sanitary sewer.
Parking/storage areas and maintenance	☒	☐	Parking lot to be swept monthly.
Indoor and structural pest control	☒	☐	All materials will be stored inside and properly sealed.
Pools, spas, ponds, decorative fountains, and other water features	☐	☒	
Landscape/outdoor pesticide use	☒	☐	All manufacturer recommendations and regulations will be followed. Minimum amounts will be used.
Restaurants, grocery stores, and other food service operations	☐	☒	
Refuse areas	☒	☐	Trash bins to be closed and locked.
Industrial Processes	☐	☒	
Outdoor storage of equipment or materials	☐	☒	
Vehicle and equipment cleaning	☐	☒	
Vehicle and equipment repair and maintenance	☐	☒	
Fuel dispensing areas	☐	☒	
Loading docks	☐	☒	
Fire sprinkler test water	☒	☐	To be disposed in sanitary sewer.
Drain or wash water from boiler drain lines, condensate drain lines, rooftop equipment, drainage sumps, and other sources	☒	☐	To be disposed in sanitary sewer.
Unauthorized non-storm water discharges	☐	☒	
Building and grounds maintenance	☒	☐	Landscape maintenance to use minimal fertilizers.

The source control measures identified in this table shall be designed consistent with recommendations from the CASQA Stormwater BMP Handbook for New Development and Redevelopment¹, or from another equivalent manual.

^[1] California Stormwater BMP Handbook New Development and Redevelopment. California Stormwater Quality Association (CASQA). January 2003.

Form 3-4 Runoff Reduction Calculator for Site Design Measures on Regulated Projects										
¹ DMA ID No.			1		2		3		4	
Site Design Measure	Runoff Reduction Parameters			Runoff Reduction (ft ³)		Runoff Reduction (ft ³)		Runoff Reduction (ft ³)		Runoff Reduction (ft ³)
² Adjacent/On-Site Stream Setbacks and Buffers	A _{imp} (ft ²)	impervious drainage area								
	V ₈₅ (in)	runoff volume from 85th percentile, 24-hour storm	1.0	0	1.0	0	1.0	0	1.0	0
³ Soil Quality Improvement and Maintenance	A _{pond} (ft ²)	ponding area								
	D _{pond} (ft)	ponding depth								
	A _{sa} (ft ²)	soil amendment area		0		0		0		
	D _{sa} (ft)	depth of amended soil								
	n	porosity of amended soil								
⁴ Tree Planting and Preservation	n _e	number of new evergreen trees							2	
	n _d	number of new deciduous trees								
	A _{tc} (ft ²)	canopy area of existing trees to remain on the property		0		0		0		36
	V ₈₅ (in)	runoff volume from 85th percentile, 24-hour storm	1.0		1.0		1.0		1.0	
⁵ Rooftop and Impervious Area Disconnection	A _{imp} (ft ²)	impervious drainage area			2910					
	V ₈₅ (in)	runoff volume from 85th percentile, 24-hour storm	1.0	0	1.0	240	1.0	0	1.0	0
⁶ Porous Pavement	A _{res} (ft ²)	area of gravel storage layer								
	D _{res} (ft)	depth of gravel storage layer		0		0		0		0
	n _{agg}	porosity of aggregate								
	C	efficiency factor								
⁷ Vegetated Swales	A _{imp} (ft ²)	impervious drainage area	1310	108		0	1100	91		0
	V ₈₅ (in)	runoff volume from 85th percentile, 24-hour storm	1.0		1.0		1.0		1.0	
⁸ Rain Barrels and Cisterns	N	number of rain barrels and/or cisterns	10	250		0		0		0
	V _a (ft ³)	volume of each rain barrel and/or cistern	50							
⁹ Do all Site Design Measures meet the design requirements outlined in the Fact Sheets?					Yes	X	No			
¹⁰ Total Volume Reduction (ft ³)				358		240		91		36
¹¹ Effective Treated Impervious Area (ft ²)				3906		2619		990		392

Form 3-5 Computation of Water Quality Design Criteria for Stormwater Treatment and Baseline Hydromodification Measures

[illegible][illegible]

Form 3-6 Volume-Based Infiltrating Bioretention Measures

¹ DMA ID No. <i>If combining multiple DMAs from Form 3-5, enter a new unique DMA ID No.</i>	DMA1-3	DMA4		
² WQV (ft ³) Item 5 in Form 3-5 <i>If combining multiple DMAs from Form 3-5, enter the sum of their respective WQVs.</i>	87	262		
³ Surface Loading Rate Maximum 5.0 in/hr	5	5		
⁴ BMP Surface Area (ft ²) <i>Top of BMP</i>	150	225		
⁵ Infiltration rate of underlying soils (in/hr)	0.12	0.12		
⁶ Maximum ponding depth (ft) <i>BMP specific, see BMP design details</i>	0.5	0.5		
⁷ Ponding Depth (ft) <i>$d_{BMP} = \text{Minimum of } (1/12 * \text{Item 5} * 48 \text{ hrs}) \text{ or Item 6}$</i>	0.5	0.5	-	-
⁸ Infiltrating surface area, SA_{BMP} (ft ²) <i>Bottom of BMP</i>	75	225		
⁹ Planting media depth, d_{media} (ft)	1.5	1.5		
¹⁰ Planting media porosity	0.30	0.30		
¹¹ Gravel depth, d_{media} (ft) <i>Only included in certain BMP types</i>	1.0	1.0		
¹² Gravel porosity	0.30	0.30		
¹³ Retention Volume (ft ³) <i>$V_{retention} = \text{Item 8} * [\text{Item 7} + (\text{Item 9} * \text{Item 10}) + (\text{Item 11} * \text{Item 12}) + (1.5 * (\text{Item 5} / 12))]$</i>	92.3	276.8	-	-
¹⁴ Untreated Volume (ft ³) <i>$V_{untreated} = \text{Item 2} - \text{Item 13}$ If greater than zero, adjust BMP sizing variables and re-compute retention volume</i>	0	0	0	0
¹⁵ Treated Flow Rate (ft ³ /s) <i>$Q_{treated} = 1/43,200 * (\text{Item 3} * \text{Item 4})$</i>	0.0174	0.0260	0.0000	0.0000
¹⁶ Total Treated Flow Rate for Project (ft ³ /s) <i>$Q_{total} = \text{Sum of Item 15 for all DMAs}$</i>	0.043			
¹⁷ Is WQV for each DMA treated on-site?	Yes	X	No	

Form 5-1 BMP Inspection and Maintenance

BMP	Inspection Point and Frequency	Maintenance Activity Required
Rain Barrels	Roof drains/Annual	Remove debris
	Barrels/Annual	Repair leaks
	Irrigation piping/Annual	Repair leaks
Veg Swale	Embankments and channel invert/Annual or as needed	Repair erosion problems, remove debris and sediment.
Bioretention facility in parking lot	Inlets and Outlets/ Twice a year	Remove debris
	Plants/ Monthly	Irrigate, weed control, replace dead plants
	Overflow structure/ Twice a year	Remove debris to unclog

Form 6-1 Post-Construction Stormwater BMPs

Following is a summary of all BMPs included in the Project design. This checklist must be included on the cover sheet of the Improvement Plans for all Regulated Projects.

BMP		Plan Sheet Number(s)
Structural Source Controls (list BMPs)	Refuse bins	C3
	Floor drains	C6
Site Design Measures	Stream Setbacks and Buffers	
	Soil Quality Improvement and Maintenance	
	Tree Planting and Preservation	C4
	Rooftop and Impervious Area Disconnection	C4
	Porous Pavement	
	Vegetated Swales	C5
	Rain Barrels and Cisterns	C2
Stormwater Treatment and Baseline Hydromodification Measures	Bioretention with Infiltration	C8 and Detail 1
	Flow-Through Planters, Tree Box Filters and Media Filters	
Hydromodification Management Measures	Supplemental Detention	

Hydromodification Management Project

Post-Construction Storm Water Quality Plan

For:

**Big Box Store #3
Placer County**

Planning Permit No. 2

Prepared for:

Joe Jones

CEO

Big Box Inc

2000000 Baseline Rd

Placer, CA 99999

999-999-9999

Prepared by:

Stormwater Nomore Inc

1 Water Way

Placer, CA 99999

888-888-8888

Preparation Date: March 15, 2016

Approval Date: _____

Section 1 General Project Information

The undersigned owner of the subject property, is responsible for the implementation of the provisions of this plan, including ongoing operations and maintenance (O&M), consistent with the requirements of the West Placer Storm Water Quality Design Manual and the State of California Phase II Small MS4 General Permit (Order No: 2013-0001-DWQ). If the undersigned transfers its interest in the property, its successors-in-interest shall bear the aforementioned responsibility to implement the SWQP.

For all Regulated Projects (As identified in Form 1-2 below), the undersigned owner hereby grants access to all representatives of the Jurisdictional Agency for the sole purpose of performing O&M inspections of the installed treatment system(s) and hydromodification control(s) if any.

A copy of the final signed and fully approved SWQP shall be available on the subject site for the duration of construction and then stored with the project approval documentation and improvement plans in perpetuity.

Form 1-1 Project Identification and Owner's Certification		
Project Site Address:	2000000 Baseline Rd	
Owner Name:	Joe Jones	
Title	CEO	
Company	Big Box Inc	
Address	2000000 Baseline Rd	
City, State, Zip Code	Placer, CA 99999	
Email	Joe@email.com	
Telephone #	999-999-9999	
Signature	Date	
Engineer:*	Phillip Waters, P.E.	PE Stamp* (Required for all Regulated Projects)
Title	Lead Engineer	
Company	Stormwater Nomore Inc	
Address	1 Water Way	
City, State, Zip Code	Placer, CA 99999	
Email	Phil@email.com	
Telephone #	888-888-8888	
Signature		
Brief Description of Project: (Attach additional sheets as necessary)	New big box store and parting lot.	

* Not required for Small Projects as determined in Form 1-2 below. Project owners are responsible for ensuring that all storm water facilities are designed by an appropriately licensed and qualified professional.

Form 1-2 Project Category	
Development Category (Select all that apply)	
¹ Small Project – All projects, except LUPs, that create and/or replace between 2,500-5,000 ft ² of impervious surface or detached single family homes that create and/or replace 2,500 ft ² or more of impervious surface and are not part of a larger plan of development.	
² Enter total new and/or replaced impervious surface (ft ²)	
³ Regulated Project – All projects that create and/or replace 5,000 ft ² or more of impervious surface.	
⁴ Regulated Redevelopment Project with equal to, or greater than 50 percent increase in impervious area	
⁵ Regulated Redevelopment Project with less than 50 percent increase in impervious area	
⁶ Enter total pre-project impervious surface (ft ²)	
⁷ Enter total new and/or replaced impervious surface (ft ²)	
⁸ Regulated Road or linear underground/overhead project (LUP) creating 5,000 ft ² or more of newly constructed contiguous impervious surface.	
⁹ Enter total new and/or replaced impervious surface (ft ²)	
¹⁰ Regulated Hydromodification Management Project – Regulated projects that create and/or replace 1 acre or more of impervious surface. A project that does not increase impervious surface area over the pre-project condition is not a hydromodification management project.	X
¹¹ Enter total new and/or replaced impervious surface (ft ²)	392,040

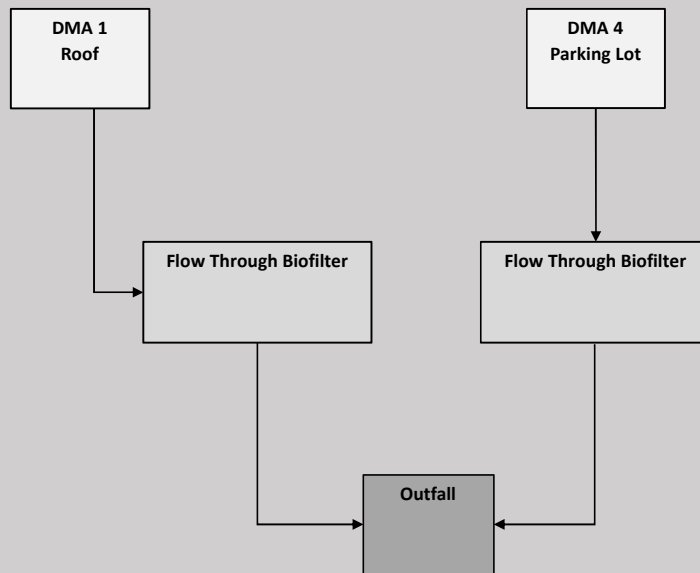
Section 3 Regulated Projects

Section 3 forms are to be completed for all Regulated Projects.

Form 3-1 Site Location and Hydrologic Features

Site coordinates: <i>Take GPS measurement at approximate center of site</i>	¹ Latitude xx	² Longitude xx	³ Elevation (ft. above sea level) 500	⁴ 85th Percentile, 24 Hour Design Storm Depth (in): 0.9
⁵ Receiving waters <i>Name of stream, lake or other downstream waterbody to which the site runoff eventually drains</i>		Folsom Lake		
⁶ 303(d) listed pollutants of concern <i>Refer to State Water Resources Control Board website www.waterboards.ca.gov/water_issues/programs/water_quality_assessment/#impaired</i>		Mercury		
⁷ Is Project going to be phased? <i>If yes, ensure that the SWQP evaluates each phase with distinct DMAs, requiring LID BMPs to address runoff at time of completion.</i>				No
⁸ Use this form to show a conceptual schematic depicting DMAs and conveyance features connecting DMAs to the site outlet(s). An example is provided below that can be modified for the proposed project or a drawing clearly showing DMAs and flow routing may be attached.				

Example only
 Modify for project specific SWQP
 Use separate sheet if necessary



Form 3-2 Site Assessment and Layout Documentation		
	Has this Item been considered in the Site Layout and depicted in the Site Plan?	
	Yes	Not Applicable (Include brief explanation)
Define the development envelope and protected areas, identifying areas that are most suitable for development areas to be left undisturbed.		NA, previous ag land. All areas are similar
Concentrate development on portions of the site with less permeable soils and preserve areas that can promote infiltration.		NA, conforming to local impervious coverage ordinances
Limit overall impervious coverage of the site with paving and roofs.		NA, no creeks or wetlands nearby
Set back development from creeks, wetlands, and riparian habitats.		NA, no trees or native vegetation present
Preserve significant trees.		NA, site is graded flat from previous use
Conform site layout along natural landforms.		NA, previously graded for ag use.
Avoid excessive grading and disturbance of vegetation and soils.		NA, previously graded flat for ag use.
Replicate the site's natural drainage patterns.	x	
Detain and retain runoff throughout the site.	x	
Attach a Site Plan that incorporates the applicable considerations above. Ensure that the following items are included in the Site Plan:		
Site Boundary Soil types and areal extents, test pit and infiltration test locations Topographic data with 1 ft. contours Existing natural hydrologic features (depressions, watercourses, wetlands, riparian corridors) Environmentally sensitive areas and areas to be preserved. Proposed locations and footprints of improvements creating new, or replaced, impervious surfaces Potential pollutant sources and locations Entire site divided into separate DMAs with unique identifiers Existing and proposed site drainage network with flow directions and site run-on and discharge locations Proposed design features and surface treatments used to minimize imperviousness and reduce runoff Proposed locations and footprints of treatment and hydromodification management facilities Design features for managing authorized non-stormwater discharges Areas of soil and/or groundwater contamination Existing utilities and easements Maintenance areas		



Form 3-3 Source Control Measures			
Potential Pollutant Generating Activity or Source	Check One		Describe the source control measures to be implemented for each potential pollutant generating activity or source present on the project as listed in Appendix C and in the CASQA Fact Sheets. Include any special features, materials, or methods of construction that will be used.
	Present	Not Applicable	
Accidental spills or leaks	☒	☐	All materials will be stored inside and properly sealed.
Interior floor drains	☒	☐	Floor drains in basement connect to sanitary sewer.
Parking/storage areas and maintenance	☒	☐	Parking lot to be swept monthly.
Indoor and structural pest control	☒	☐	All materials will be stored inside and properly sealed.
Pools, spas, ponds, decorative fountains, and other water features	☐	☒	
Landscape/outdoor pesticide use	☒	☐	All manufacturer recommendations and regulations will be followed. Minimum amounts will be used.
Restaurants, grocery stores, and other food service operations	☐	☒	
Refuse areas	☒	☐	Trash bins to be closed and locked.
Industrial Processes	☒	☐	Lumber processing and storage yard. No direct drains to storm drainage system. Outdoor areas swept daily. Staining activities
Outdoor storage of equipment or materials	☒	☐	All material storage areas are covered with secondary containment.
Vehicle and equipment cleaning	☐	☒	
Vehicle and equipment repair and maintenance	☐	☒	
Fuel dispensing areas	☐	☒	
Loading docks	☒	☐	Drains to sump. Sump is cleaned as needed and materials disposed of at landfill, or in sanitary sewer.
Fire sprinkler test water	☒	☐	To be disposed in sanitary sewer.
Drain or wash water from boiler drain lines, condensate drain lines, rooftop equipment, drainage sumps, and other sources	☒	☐	To be disposed in sanitary sewer.
Unauthorized non-storm water discharges	☐	☒	
Building and grounds maintenance	☒	☐	Landscape maintenance to use minimal fertilizers.

The source control measures identified in this table shall be designed consistent with recommendations from the CASQA Stormwater BMP Handbook for New Development and Redevelopment¹, or from another equivalent manual.

^[1] California Stormwater BMP Handbook New Development and Redevelopment. California Stormwater Quality Association (CASQA). January 2003.

Form 3-4 Runoff Reduction Calculator for Site Design Measures on Regulated Projects										
¹ DMA ID No.			1		2		3		4	
Site Design Measure	Runoff Reduction Parameters			Runoff Reduction (ft ³)		Runoff Reduction (ft ³)		Runoff Reduction (ft ³)		Runoff Reduction (ft ³)
² Adjacent/On-Site Stream Setbacks and Buffers	A _{imp} (ft ²)	impervious drainage area		0		0		0		0
	V ₈₅ (in)	runoff volume from 85th percentile, 24-hour storm	0.8		0.8		0.8		0.8	
³ Soil Quality Improvement and Maintenance	A _{pond} (ft ²)	ponding area		0		0		0		
	D _{pond} (ft)	ponding depth								
	A _{sa} (ft ²)	soil amendment area								
	D _{sa} (ft)	depth of amended soil								
	n	porosity of amended soil								
⁴ Tree Planting and Preservation	n _e	number of new evergreen trees		0		0		0		0
	n _d	number of new deciduous trees								
	A _{tc} (ft ²)	canopy area of existing trees to remain on the property								
	V ₈₅ (in)	runoff volume from 85th percentile, 24-hour storm	0.8		0.8		0.8		0.8	
⁵ Rooftop and Impervious Area Disconnection	A _{imp} (ft ²)	impervious drainage area		0		0		0		0
	V ₈₅ (in)	runoff volume from 85th percentile, 24-hour storm	0.8		0.8		0.8		0.8	
⁶ Porous Pavement	A _{res} (ft ²)	area of gravel storage layer		0		0		0		0
	D _{res} (ft)	depth of gravel storage layer								
	n _{agg}	porosity of aggregate								
	C	efficiency factor								
⁷ Vegetated Swales	A _{imp} (ft ²)	impervious drainage area		0		0		0		0
	V ₈₅ (in)	runoff volume from 85th percentile, 24-hour storm	0.8		0.8		0.8		0.8	
⁸ Rain Barrels and Cisterns	N	number of rain barrels and/or cisterns		0		0		0		0
	V _a (ft ³)	volume of each rain barrel and/or cistern								
⁹ Do all Site Design Measures meet the design requirements outlined in the Fact Sheets?					Yes		No	X		
¹⁰ Total Volume Reduction (ft ³)				0		0		0		0
¹¹ Effective Treated Impervious Area (ft ²)				0		0		0		0

[illegible][illegible]

Form 3-6 Volume-Based Infiltrating Bioretention Measures

¹ DMA ID No. <i>If combining multiple DMAs from Form 3-5, enter a new unique DMA ID No.</i>				
² WQV (ft ³) Item 5 in Form 3-5 <i>If combining multiple DMAs from Form 3-5, enter the sum of their respective WQVs.</i>				
³ Surface Loading Rate Maximum 5.0 in/hr				
⁴ BMP Surface Area (ft ²) <i>Top of BMP</i>				
⁵ Infiltration rate of underlying soils (in/hr)				
⁶ Maximum ponding depth (ft) <i>BMP specific, see BMP design details</i>				
⁷ Ponding Depth (ft) <i>$d_{BMP} = \text{Minimum of } (1/12 * \text{Item 5} * 48 \text{ hrs}) \text{ or Item 6}$</i>	-	-	-	-
⁸ Infiltrating surface area, SA_{BMP} (ft ²) <i>Bottom of BMP</i>				
⁹ Planting media depth, d_{media} (ft)				
¹⁰ Planting media porosity				
¹¹ Gravel depth, d_{media} (ft) <i>Only included in certain BMP types</i>				
¹² Gravel porosity				
¹³ Retention Volume (ft ³) <i>$V_{retention} = \text{Item 8} * [\text{Item 7} + (\text{Item 9} * \text{Item 10}) + (\text{Item 11} * \text{Item 12}) + (1.5 * (\text{Item 5} / 12))]$</i>	-	-	-	-
¹⁴ Untreated Volume (ft ³) <i>$V_{untreated} = \text{Item 2} - \text{Item 13}$ If greater than zero, adjust BMP sizing variables and re-compute retention volume</i>	0	0	0	0
¹⁵ Treated Flow Rate (ft ³ /s) <i>$Q_{treated} = 1/43,200 * (\text{Item 3} * \text{Item 4})$</i>	0.0000	0.0000	0.0000	0.0000
¹⁶ Total Treated Flow Rate for Project (ft ³ /s) <i>$Q_{total} = \text{Sum of Item 15 for all DMAs}$</i>				
¹⁷ Is WQV for each DMA treated on-site?	Yes		No	X

Form 3-7 Flow-Through Planters, Tree Box and Media Filters				
¹ DMA ID No. <i>If combining multiple DMAs from Form 3-5, enter a new unique DMA ID No.</i>	DMA 1	DMA 2		
² WQF (ft ³ /s) <i>Item 6 in Form 3-5</i> <i>If combining multiple DMAs from Form 3-5, enter the sum of their respective WQFs.</i>	1.0890	0.5450		
³ Surface Loading Rate <i>Maximum 5.0 in/hr</i>	5.0	5.0		
⁴ Maximum Ponding Depth (ft) <i>BMP Specific, see BMP design details</i>	0.5	0.5		
⁵ Soil/Media Surface Area (ft ²) <i>Top of BMP</i>	9410	4750		
⁶ Soil/Media Depth (ft)	1.50	1.50		
⁷ Soil/Media porosity	0.30	0.30		
⁸ Gravel Depth (ft)	1.00	1.00		
⁹ Gravel porosity	0.30	0.30		
¹⁰ Detention Volume (ft ³) $V_d = \text{Item 5} * [\text{Item 4} + (\text{Item 6} * \text{Item 7}) + (\text{Item 8} * \text{Item 9}) + (3 * (\text{Item 3} / 12))]$	23,525.00	11,875.00	0.00	0.00
¹¹ Manufacturers' specified flow rate for proprietary devices (ft ³ /s) (attach a copy of the product specifications)				
¹² Treated Flow Rate (ft ³ /s) $Q_{\text{treated}} = 1/43,200 * (\text{Item 3} * \text{Item 5}) \text{ or Item 11}$	1.0891	0.5498	0.0000	0.0000
¹³ Untreated Flow Rate (ft ³ /s) $Q_{\text{untreated}} = \text{Item 2} - \text{Item 12}$ <i>If greater than zero, adjust BMP sizing variables and re-compute treated flow</i>	0.0000	0.0000	0.0000	0.0000
¹⁴ Total Treated Flow Rate for Project (ft ³ /s) $Q_{\text{total}} = \text{Sum of Item 12 for all DMAs}$	1.64			
¹⁵ Is WQF for each DMA treated on-site?	Yes	X	No	

Section 4

Regulated Hydromodification Management Projects

Form 4-1 Peak Runoff Response Time (Complete Section 4 forms for Regulated Hydromodification Projects only)

Determine total runoff response time for pre- and post-construction conditions at each project outlet.

Variables	Pre-construction DMAs to Project Outlet				Post-construction DMAs to Project Outlet			
	1	2	3	4	1	2	3	4
¹ Length of longest overland flow path <i>Not to exceed 100 ft</i>	100				0			
² Slope of overland flow path (ft/ft)	0.0050							
³ Manning's roughness coefficient for overland flow surface <i>See Table 5-5 of the Placer County SWMM</i>	0.4000							
⁴ Overland flow response time (min) $(0.355 * (\text{Item 1} * \text{Item 3})^{0.6}) / (\text{Item 2}^{0.3})$	16	-	-	-	-	-	-	-
⁵ Hydrologic Soil Group <i>Refer to Section 3.1.1. or NRCS Web Soil Survey</i>	D							
⁶ Current Land Cover Type(s) <i>Select from categories shown in Table 5-3 of the SWMM</i>	Fallow							
⁷ Pervious Area Condition: <i>Based on the extent of vegetated cover Good >75%; Fair 50-75%; Poor <50% Attach photos of site to support rating</i>	Poor							
⁸ Infiltration Rate (in/hr) <i>Refer to Table 5-3 of the SWMM using Items 3, 4, and 5 above or obtain site specific field measurements (See Section 3.1.1)</i>	0.03							
⁹ Length of collector flow (ft)	700				800			
¹⁰ Cross-sectional area of collector flow facility (ft ²)	1.00				7.00			
¹¹ Wetted perimeter of collector flow facility (ft)	3.50				9.40			
¹² Manning's roughness of collector flow facility	0.0400				0.0100			
¹³ Slope of collector flow facility (ft/ft)	0.0050				0.0050			
¹⁴ Channel flow velocity (ft/sec) $V = (1.49 / \text{Item 12}) * (\text{Item 10} / \text{Item 11})^{0.67} * (\text{Item 13})^{0.5}$	1.1	-	-	-	8.7	-	-	-
¹⁵ Collector flow facility response time (min) $T_c = \text{Item 9} / (\text{Item 14} * 60)$	10.2	-	-	-	1.5	-	-	-
¹⁶ Total runoff response time or T_t (min) $T_t = \text{Item 4} + \text{Item 15}$	26.1	-	-	-	1.5	-	-	-

Form 4-2 Hydromodification Target for Peak Runoff								
Variables	Pre-construction DMAs to Project Outlet				Post-construction DMAs to Project Outlet			
	1	2	3	4	1	2	3	4
¹ Drainage Area (ft ²) <i>Sum of all outlet level DMAs should equal total project area.</i>	392,040				392,040			
² Impervious Area (ft ²) <i>Sum of all outlet level DMAs should equal total project impervious area.</i>	0				392,040			
³ Rainfall depth for 2yr storm with duration equal to response time (in) <i>See Placer County SWMM Table 5-A-1 for elevation of site and duration equal to response time</i>	0.32				0.13			
⁴ Unit peak runoff (cfs/acre) <i>$q = 60/\text{Form 4-1 Item 16} * \text{Item 3}$</i>	0.73	-	-	-	5.06	-	-	-
⁵ Infiltration factor (cfs/acre) <i>$F_i = \text{Form 4-1 Item 8} * (1 + 1/(1.3 + 0.0005 * \text{Form 3-1 Item 3}))$</i>	0.05	-	-	-	-	-	-	-
⁶ Peak runoff from DMAs (cfs) <i>$Q_p = \text{Item 1} * \text{Item 4} - \text{Item 5} * (\text{Item 1} - \text{Item 2})$</i>	6.22	-	-	-	45.95	-	-	-
⁷ Total Pre-Project Peak Runoff (ft ³ /s) <i>$Q_{total} = \text{Sum of Item 6 for all Pre-construction DMAs}$</i>	6.22							
⁸ Is the total post-project peak runoff equal to or less than the total pre-project peak runoff? <i>Yes, if Item 7 is greater than or equal to the sum of the Total Treated Flow Rates from Form 3-6 Item 16 and 3-7 Item 12.</i>	YES							

Form 4-3 Detention Volumes for Hydromodification Management

	Post-construction DMAs to Project Outlet			
	1	2	3	4
¹ Land cover and hydrologic condition <i>See NRCD TR-55 Manual Table 2-2 for types</i>	Industrial			
² Hydrologic Soil Group <i>Refer to Section 3.1.1. or NRCS Web Soil Survey</i>	-	-	-	-
³ Drainage Area (A) (ft ²)	392,040	-	-	-
⁴ Curve Number (CN) <i>Use Items 1 and 2 to select curve number from NRCS TR-55 Manual Table 2-2</i>	98			
⁵ Post-development soil storage capacity, S (in): $S = (1000 / \text{Item 4}) - 10$	0.2	#DIV/0!	#DIV/0!	#DIV/0!
⁶ Precipitation for 2-yr, 24-hr storm (in) <i>See Placer County SWMM Table 5-A-1 for elevation of site and 24-hr duration depths</i>	1.90			
⁷ Post-developed runoff volume for 2-yr – 24-hour storm, V_{runoff} (ft ³): $V_{\text{runoff}} = \text{Item 3} * (1 / 12) * [(\text{Item 6} - 0.2 * \text{Item 5})^2 / (\text{Item 6} + 0.8 * \text{Item 5})]$	54,732	#DIV/0!	#DIV/0!	#DIV/0!
⁸ Attenuation Factor, $q_{\text{out/in}}$ (ratio of target outflow rate to peak inflow rate): $q_{\text{out/in}} = \text{Form 4-2 Item 6 Pre-Construction} / \text{Form 4-2 Item 6 Post-Construction}$	0.14	#DIV/0!	#DIV/0!	#DIV/0!
⁹ Equalization Factor, V_s/V_r (ratio of storage capacity to runoff volume) V_s/V_r obtained using Item 8 and nomograph in Figure 6-1 of NRCS TR-55 Manual for Rainfall Type IA	0.40			
¹⁰ Runoff detention capacity to achieve hydromodification management criteria (ft ³) $D_{\text{hydromod}} = \text{Item 7} * \text{Item 9}$	21893	#DIV/0!	#DIV/0!	#DIV/0!
¹¹ Site Design Measure (SDM) Volume (ft ³): <i>Sum of Item 10 in Form 3-4 for all SDMs in this DMA.</i>	0			
¹² Bioretention Volume (ft ³): <i>Sum of Item 14 in Form 3-6 for all bioretention measures in this DMA.</i>	0			
¹³ Flow-Through Detention Volume (ft ³): <i>Sum of Item 10 in Form 3-7 for all flow-through facilities in this DMA.</i>	35400			
¹⁴ Supplemental Detention Volume (ft ³):	0			
¹⁵ Combined Detention Volume in this DMA (ft ³): <i>Sum of Items 11 through 14</i>	35,400	-	-	-
¹⁶ Is detention capacity to achieve hydromodification management criteria achieved at all project outlets? <i>Yes, if Item 10 is less than or equal to Item 15. If not provide additional storage capacity</i>	Yes	X	No	

Form 5-1 BMP Inspection and Maintenance		
BMP	Inspection Point and Frequency	Maintenance Activity Required
Biofilters	Inlets and outlets/annually	Remove debris as needed
	Surface of filter bed/annually and after large storms	Remove accumulations to restore filtration rate as needed
	Vegetation	Remove weeds, replace dead plants

Form 6-1 Post-Construction Stormwater BMPs

Following is a summary of all BMPs included in the Project design. This checklist must be included on the cover sheet of the Improvement Plans for all Regulated Projects.

BMP		Plan Sheet Number(s)
Structural Source Controls (list BMPs)	Loading dock containment	C1
	Refuse area cover	C2
	Floor drain sump	C3
Site Design Measures	Stream Setbacks and Buffers	
	Soil Quality Improvement and Maintenance	
	Tree Planting and Preservation	
	Rooftop and Impervious Area Disconnection	
	Porous Pavement	
	Vegetated Swales	
	Rain Barrels and Cisterns	
Stormwater Treatment and Baseline Hydromodification Measures	Bioretention with Infiltration	
	Flow-Through Planters, Tree Box Filters and Media Filters	C5 and D 5
Hydromodification Management Measures	Supplemental Detention	C6 and D6



COUNCIL COMMUNICATION

CC #: 7633

File #: 0600

Title: Safety Consulting Services - Professional Services Agreement

Contact: Dave Rawe 916-774-5207 drawe@roseville.ca.us

Meeting Date: 5/4/2016

Item #: 7.19.

RECOMMENDATION TO COUNCIL

Staff recommends City Council adopt a resolution to authorize the City Manager to execute an agreement with DFK Solutions Group for Safety Consulting Services and to perform a Safety Program Gap Analysis effective immediately.

BACKGROUND

Employee safety is a high priority for the City of Roseville. Continuously striving for a safer work environment, the Risk Management Division in the Human Resources Department, with the help of DFK Solutions Group, proactively conducted a safety assessment to determine the success of our safety programs and determine where additional measures are needed to reduce accidents and injuries.

The Assessment noted that the City has made progress in its workplace safety program and has been successful in bringing the City into compliance in a number of areas. However, there are still many specific work areas within the City that need to be assessed for workplace exposures.

The Assessment strongly recommended that the City perform a safety program gap analysis for each department and work group to identify the applicable regulatory, training and recordkeeping requirements.

In January of 2016, staff went through a competitive request for proposal (RFP) process to solicit bids from qualified safety consulting service firms to perform a safety gap analysis. A review committee consisting of representatives from City Manager's Office, Human Resources, and Risk Management reviewed the RFP responses and interviewed the safety firm responses. Based on the presentations and extensive reference checks, DFK Solutions Group was chosen.

FISCAL IMPACT

The funding for this contract is budgeted in the current FY16 Risk Management Budget. The proposed contract costs are not to exceed \$50,000.

ECONOMIC DEVELOPMENT / JOBS CREATED

No new jobs will be created by this action.

ENVIRONMENTAL REVIEW

Safety Consulting Services is not considered a “project” as defined by the California Environmental Quality Act (CEQA) (CEQA Guidelines 15378). Consequently no CEQA action is required.

Respectfully Submitted,

Dave Rawe, Risk Manager

Gayle Satchwell, Human Resources Director



Rob Jensen, City Manager

ATTACHMENTS:

Description

Resoluton No. 16-144

Agreement

RESOLUTION NO. 16-144

APPROVING A PROFESSIONAL SERVICES AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND DKF SOLUTIONS GROUP, LLC, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE

WHEREAS, a professional services agreement regarding Safety Gap Analysis and Safety Consulting Services, by and between the City of Roseville and DKF Solutions Group, LLC, 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; and

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

Project: Safety Gap Analysis and Safety Consulting Services

THIS AGREEMENT is made and entered into this ____ day of _____, 20__,
by and between the City of Roseville, a municipal corporation ("CITY"), and DKF Solutions
Group, LLC, a California limited liability company ("CONSULTANT"); and

W I T N E S S E T H:

WHEREAS, CITY desires professional services consisting of safety gap analysis and
safety consulting; and

WHEREAS, CONSULTANT has prepared a proposal dated February 19, 2016, 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 fifty thousand dollars (\$50,000).

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.

<u>COVERAGE</u>	<u>LIMITS OF LIABILITY</u>
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 work 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. Access to Records. Duly authorized representatives of CITY shall have right of access during normal business hours to CONSULTANT's files and records relating to the services performed hereunder, and may review the files and records at appropriate stages during performance of the services.

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

David Rawe, Risk Manager
City of Roseville
311 Vernon Street
Roseville, CA 95678

CONSULTANT

David Patzer, Managing Partner
DKF Solutions, LLC
170 Dogwood Lane
Vallejo, CA 94591

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

DKF SOLUTIONS GROUP, LLC, a
California limited liability company

BY: _____
ROB JENSEN
City Manager

BY: 
its: Managing Partner

and

ATTEST:

BY: 
its: Managing Partner

BY: _____
SONIA OROZCO
City Clerk

APPROVED AS TO FORM:

BY: _____
ROBERT R. SCHMITT
City Attorney

APPROVED AS TO SUBSTANCE:

BY: 
GAYLE SATCHWELL
Human Resources Director

EXHIBIT “A”

Exhibit A

SAFETY PROGRAM GAP ANALYSIS AND SAFETY CONSULTING SERVICES

SCOPE OF SERVICES

1.1 Gap Analysis

- Perform a comprehensive gap analysis of all OSHA required safety programs that affect all City employees and provide a report indicating findings and recommendations.
- Meet with each affected City department, to determine the required CalOSHA policies and procedures and present findings and recommendations for each department work group.
- Determine, by job classification, the CalOSHA training requirements.

1.2 Safety Program Administrative Support

- Review the following safety policies for deficiencies and provide recommendations for City-wide use and customization to each department:
 - Illness and Injury Prevention Program to be in compliance with Title 8 CCR Section 3203
 - Transite (asbestos) Pipe policy and provide training in accordance with Title 8 CCR Section 1529.
 - Bloodborne Pathogens policy to be in compliance with Title 8 CCR Section 5193
 - Confined Space policy
 - Fall Protection policy
 - Respiratory Protection policy in accordance with Title 8 CCR Section 5144
 - Emergency Action Plan for each regularly staffed City facility
 - Fire Prevention Plan
 - Lockout//Tagout policy to be in compliance with Title 8 CCR Section 3314
 - Hazard Communication policy and provide training in accordance with Title 8 CCR Section 5194
 - Hearing Conservation policy to be in compliance with Title 8 CCR Section 5098
 - Personal Protective Equipment (PPE) policy
 - Heat Illness Prevention policy
 - HazWoper – First Responder Operations policy
 - Electrical Safety (Low Voltage) policy in accordance with Title 8 CCR Low Voltage Electrical Safety Orders
 - Excavation and Trenching policy
 - Other safety policies as needed



February 19, 2016

Dave Rawe
Risk Manager
City of Roseville
311 Vernon Street
Roseville, CA 95678

Re: City of Roseville Request for Proposals
Safety Program Gap Analysis and Safety Consulting Services

Dear Mr. Rawe:

DKF Solutions Group, LLC is pleased to respond to City of Roseville's Request for Proposals for Safety Program Gap Analysis and Safety Consulting Services. We believe that you will find DKF Solutions Group's approach and experience makes us uniquely qualified to provide the City with outstanding services and solutions.

DKF Solutions Group has a proven track record of providing comprehensive safety and risk management services for cities and other public agencies throughout California. We have a reputation for providing superior services at competitive prices that reflect both the difficult economy in which California agencies are forced to operate, as well as our considerable experience in addressing the unique needs of the public sector.

DKF Solutions Group has decades of experience examining and evaluating safety programs throughout California and developing new policies built on best practices and current CalOSHA regulations. We have extensive knowledge of the unique needs of California public agencies and the wide scope of services they provide to the community.

Thank you for the opportunity to present our qualifications. As a Managing Partner of DKF Solutions Group, I am available to answer any questions you may have upon review of our proposal. You can reach me at the address, telephone and fax number in the footer of this page or at dpatzer@dkfsolutions.com.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Patzer", written over a circular stamp or seal.

David Patzer
Managing Partner
DKF Solutions Group



TAB A: Firm's Qualifications

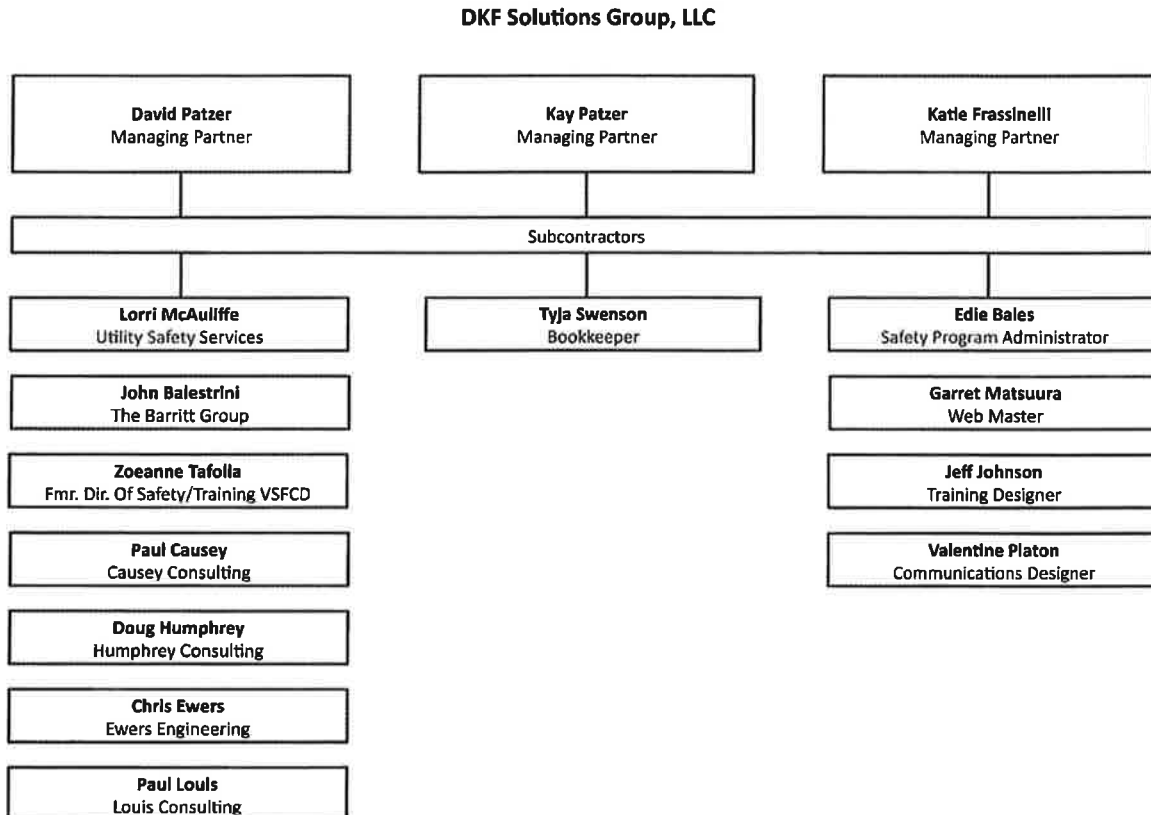
Since 2008 DKF Solutions Group, LLC has specialized exclusively in helping public agencies throughout the State of California ensure the safety of their employees, facilities and the general public. We do this by creating best-practices solutions for addressing and exceeding Cal/OSHA and other regulations.

We have worked with over 150 cities and special utility districts of all sizes performing gap analyses and safety program development. The following is a representative list of DKF Solutions Group, LLC clients:

- Bay Cities Self Insurance Fund (BCSIF)
- California Joint Powers Risk Management Authority (CJPRMA)
- Casitas Water District
- Castro Valley Sanitary District
- Central Contra Costa Sanitary District
- City of American Canyon
- City of Anderson
- City of Auburn
- City of Arcata
- City of Benicia
- City of Burlingame
- City of Cloverdale
- City of Colusa
- City of Corning
- City of Cotati
- City of Escondido
- City of Eureka
- City of Folsom
- City of Fortuna
- City of Fort Bragg
- City of Galt
- City of Gilroy
- City of Gonzales
- City of Gridley
- City of Hawthorne
- City of Healdsburg
- City of Jackson
- City of Lakeport
- City of Livermore
- City of Lodi
- City of Los Altos
- City of Marysville
- City of Merced
- City of Millbrae
- City of Modesto
- City of Oroville
- City of Patterson
- City of Petaluma
- City of Piedmont
- City of Red Bluff
- City of Redwood City
- City of Richmond
- City of Rohnert Park
- City of Roseville
- City of San Bruno
- City of San Carlos
- City of Sausalito
- City of Sebastopol
- City of Sonoma
- City of South San Francisco
- City of St. Helena
- City of Suisun
- City of Tracy
- City of Ukiah
- City of Vacaville
- City of Willits
- County of Sacramento District 1
- Delta Diablo Sanitation District
- Dublin San Ramon Community Services District
- Fairfield-Suisun Sewer District
- Fontana Unified School District
- Inland Cities Risk Management Authority (ICRMA)
- Ironhouse Sanitary District
- Mountain View Sanitary District
- Municipal Pooling Authority (MPA)
- Napa County School District
- Napa Sanitation District
- Nipomo Community Services District
- Novato Sanitary District
- Public Agency Risk Sharing Authority of California (PARSAC)
- Pipe Users Group of Northern California
- Risk Management Authority (RMA)
- Ross Valley Sanitary District
- Stege Sanitary District
- Susanville Community Services District
- Tamalpais Community Services District
- Town of Hillsborough
- Town of Windsor
- Ventura Regional Wastewater Authority
- West County Wastewater District
- West Valley Sanitation District
- Yuba County

David Patzer, one of DKF Solutions Group's Managing Partners, will oversee the completion of the project, coordinate the efforts of the entire team, and handle all of the administrative aspects of the project. The sub-contractors that will be working with DKF Solutions Group on this project are:

- Lorri McAuliffe, Utility Safety Services
- John Balestrini, The Barritt Group
- Zoeanne Tafolla, former Director of Safety/Training at Vallejo Sanitation and Flood Control District



TAB B: Experience and References

DKF Solutions Group has a proven track record for developing safety policies that are not only fully compliant with CalOSHA regulations, but also provide clear procedures and guidelines for real-world use. Our extensive experience tailoring policies to individual agencies and their departments makes us uniquely qualified to fulfill the Scope of Work for the City.

DKF Solutions Group has provided CalOSHA compliance services to over 100 individual public agencies as well as four joint powers authorities:

- California Sanitation Risk Management Authority (CSRMA) — 63 member cities
- Association of Bay Area Governments (ABAG) — 29 member cities
- Small Cities Organized Risk Effort (SCORE) — 18 member cities
- Redwood Empire Municipal Insurance Fund (REMIF) — 15 member cities

DKF Solutions Group has successfully completed many projects similar to the Scope of Work in this proposal utilizing the approach described in Tab E. Detail of staff experience related to the scope is included in Tab C.

The following are three examples for entities similar to the City of Roseville, for which DKF Solutions Group provided a full range of CalOSHA compliance services within the past five years:

City of Livermore Water Resources Division

- Description of work:
Ongoing work including a full range of CalOSHA compliance services including, but not limited to, policy development, in-person training, custom interactive computer-based training module development, and standard operating procedures.
- Service dates: 2009 to present
- Reference:
Helen Ling
City of Livermore Water Resources Division Manager
(925) 960-8168
hfling@cityoflivermore.net

City of Sebastopol

- Description of work:
Ongoing work including a full range CalOSHA compliance services including, but not limited to, policy development, in-person training, custom interactive computer-based training module development, and standard operating procedures. The City of Sebastopol is also a My Safety Officer (MSO) subscriber. My Safety Officer is DKF Solutions Group's subscription-based service that provides small and mid-size public agencies with hands-on safety program management including annual review of CalOSHA safety programs.
- Service dates: 2012 to present
- Reference: **Dante Del Prete**
City of Sebastopol Superintendent of Public Works
(707) 823-5331
ddelprete@cityofsebastopol.org

City of Concord

- **Description of work:**
Ongoing work including a full range CalOSHA compliance services including, but not limited to, policy development, in-person training, custom interactive computer-based training module development, and standard operating procedures. The City of Concord is also a My Safety Officer (MSO) subscriber. My Safety Officer is DKF Solutions Group's subscription-based service that provides small and mid-size public agencies with hands-on safety program management including annual review of CalOSHA safety programs.
- **Service dates:** 2014 to present
- **Reference: Justin Ezell**
City of Concord Director of Public Works
(925) 671-3231
Justin.Ezell@cityofconcord.org

TAB C: Qualifications of Team

The following individuals will be on the DKF Solutions Group team to complete this project. Full resumes are included in Tab J.

David Patzer is a founder and Managing Partner of DKF Solutions Group and will serve as the Project Manager and primary contact for the City. He will manage the sub-contractors and oversee and review all of the work completed.

Qualifications include:

- Managing Partner, DKF Solutions Group, LLC, incorporated 2008
- Risk Control Advisor for California Sanitation Risk Management Authority (CSRMA), 15 years
- State of California Registered Environmental Assessor
- Certified Ergonomic Evaluation Specialist
- Bachelor of Science in Biology from Oregon State University
- Master of Science in Environmental Management from University of San Francisco coursework completed
- Co-Owner, Risk Management Solutions
- Partner, Online Risk Solutions

Geographic Location: Vallejo, California

John Balestrini has been a subcontractor for DKF Solutions Group since 2009.

Qualifications include:

- Regional Safety Manager/Interim Safety Director, Solar City (San Mateo)
- Risk Management Consultant for Gregory B. Bragg & Associates
- Master of Business Administration from University of California, Davis
- Bachelor of Science in Business Administration, California State University, Sacramento
- Associate Safety Professional (ASP) certification (expected 11/2011)
- OSHA 510, OSHA 30, OSHA 10
- Fall Protection Qualified Person, Competent Person Trainer
- Safety Center Safety Specialist Certificate
- Trainer: Forklift, CPR/First Aid/AED, Defensive Driving, HAZWOPER, etc.
- Member of American Society of Safety Engineers (ASSE)

Geographic Location: Roseville, California

Zoanne Tafolla has been a subcontractor of DKF Solutions Group since 2015. Zoanne has also worked extensively with David Patzer during her tenure as a member of the Executive Board of the California Sanitation Risk Management Authority (CSRMA) from 2008-2011.

Qualifications include:

- Director of Safety/Training, Vallejo Sanitation and Flood Control District
- Safety Officer, Vallejo Sanitation and Flood Control District
- Board of Trustees and Executive Board California Sanitation & Risk Management Agency
- Board of Trustees, Treasurer, and Chair of the State Safety Committee, CWEA
- Board Member of the Public Agency Safety Management Association

- Registered Instructor in First Aid/CPR/AED through Medic First Aid International
- Certificate in Workplace Health & Safety, UC Davis
- Certified Utility Safety Administrator (CUSA) Special Endorsement in Water, National Safety Council
- Certified Occupational Safety & Health Instructor, UC San Diego OSHA Institute

Geographic Location: Folsom, California

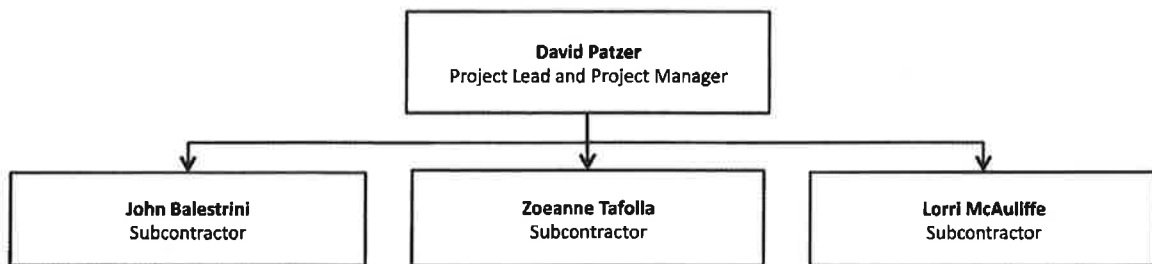
Lorri McAuliffe has been a subcontractor for DKF Solutions Group since 2008.

Qualifications Include:

- CalOSHA Safety Advisor, My Safety Officer®
- President, Utilities Safety Services
- Partner, Online Risk Solutions
- Plant Engineer/Western Region Safety Coordinator, EOS/Fairfield-Suisun Sewer District, 4 years
- Plant Manager, EOS/Burlingame Wastewater Treatment Plant, 3 years
- Linn-Benton Community College
- University of California, Berkeley

Geographic Location: Napa, California

Project Team for City of Roseville



TAB D Project Understanding

Having worked with over 150 cities and special utility districts of all sizes performing gap analyses and safety program development, DKF Solutions Group has a deep understanding of what is required for successful completion of this project. Our extensive experience affords us the ability to quickly evaluate systems and system components and identify those that are ineffective, missing or otherwise problematic, as well as those that are effective in different work environments and cultures.

The fundamental goals of the gap analysis required in the Scope of Services are:

- Compliance
Provide the City with an understanding of the current status of the City and its individual workgroups with respect to the following questions:
 - Have the required CalOSHA policies and procedures been developed?
 - Are the policies and procedures that are in place in full compliance with each program's corresponding regulation?
 - Are employees being trained in accordance with stated policy and regulatory requirements?
- Operations
Provide the City with an understanding of the current status of the City and its individual workgroups with respect to the following questions:
 - Are the existing policies and procedures being followed at all levels?
 - Are the existing policies and procedures workable? In other words, do they reflect the reality of the operational needs of each unique work group?
 - Does an effective system exist for implementation, feedback, review and adaption of all policies and procedures?
 - Do Citywide safety efforts operate as silos or as an integrated system?
 - Is employee training accurate, appropriate, effective and efficient?

The deliverable following the gap analysis activities will be specific recommendations, where appropriate, to address opportunities for improvement identified above. Recommendations will also be prioritized to help the City ensure the most effective allocation of resources following the gap analysis.

Based on our past experience with similar projects we can anticipate obstacles that may arise to impede the progress of the project such as:

- Cultural attitudes within different workgroups possibly apprehensive to change
- Reluctance to abandon existing systems that may not be effective or efficient
- Insufficient time with City staff to build trust and work candidly with the consultant

However, in our experience there are ways in which we can avoid or address potential obstacles.

- We put a priority on using the Gap Analysis process to help maintain and improve culture. We take a positive approach with staff to identify where they have a strong culture and build on what is already working. By understanding the existing culture we can build the trust necessary to help grow and strengthen safety in each work group.

- We focus on the development of self-sustaining compliance and employee safety systems that are not overly burdensome, intrusive or reliant on key individuals.

DKF staff have developed, implemented and managed safety systems for public works and utilities and have an understanding of what works in the real world and what doesn't. We focus on workability of policies and procedures rather than strictly on compliance. Simply complying with regulations in written policies does not improve safety—using the regulations as a foundation for implementing practical and effective programs and procedures does.

TAB E Project Plan

Work Plan:

DKF Solutions Group will conduct a comprehensive Environmental Health and Safety (EH&S) gap analysis and determine by work group the required Cal/OSHA policies and procedures. The process will include:

1. Initial one-hour meeting with key operational staff to review the process, points of contact, worksite locations and operations to be visited.
2. Meetings and interviews with affected workgroups to determine which CalOSHA regulations are triggered by the activities their employees perform and the hazards that they can reasonably be expected to be exposed to.
3. Determination of which required CalOSHA policies and procedures exist in a form that represents the needs of each affected work group.
4. Review of City training records for each group for past three years and reconcile against the CalOSHA training requirements for each work group.

DKF Solutions Group will conduct a review of the existing policies, procedures and training. The process will include:

1. Initial one-hour meeting with key operational staff to review the process, points of contact, worksite locations and operations to be visited.
2. Review of each of the City's existing CalOSHA policies and procedures for compliance with the corresponding regulation, industry standards, and workability.
3. Interviews with a representative sample of each work group, including staff and supervisors, to determine their understanding of the CalOSHA policies affecting them as well as their views on the workability of the programs and the quality and appropriateness of the training provided.
4. Determine best management practices for the written safety programs.

Deliverables:

DKF Solutions Group will prepare and present a report detailing the findings and recommendations. The report and presentation will include:

1. Master matrix showing a snapshot view of the City's compliance with CalOSHA regulations and the effectiveness of training. The matrix will be organized by work group and will include:
 - CalOSHA regulations that require a written policy or procedure
 - CalOSHA regulations that require training
 - Assessment of existing CalOSHA policies/procedures, including whether they are in compliance, and if they meet industry standards and workability recommendations
 - Compliance with required training frequency
 - Appropriateness of training format, content and presentation
 - Effectiveness of training
 - Effectiveness of overall training program
2. Detailed narrative for each policy including:
 - Compliance

- Reflection of best industry practices
 - Employee feedback on workability
 - Employee feedback on their understanding of the policy
 - Assessment of the workability of the policy
3. Prioritized list of policies and procedures that should be addressed. Prioritization will be determined based on relative risk to employees based on workers' compensation loss data from the following joint powers authorities:
 - Small Cities Organized Risk Effort (SCORE)
 - California Sanitation Risk Management Authority (CSRMA)
 - Northern California Cities Self-Insurance Fund (NCCSIF)
 4. Prioritized list of training recommendations based on loss data and relative risk for injury, City property damage, or third party damage.
 5. Prioritized list of implementation of additional measures for policy development and employee training.

Schedule

- Start date: April 25, 2016
- Targeted completion date: July 25, 2016
- Meeting with City staff to present findings: Week of August 1, 2016

Staff Assignments:

David Patzer will serve as the Project Manager and primary contact for the City. He will manage the sub-contractors and oversee and review all of the work completed. Additional project responsibilities will include:

- Identification of which policies apply to each work group
- Determination of training requirements for each work group
- Interviews with individual work groups, including front-line staff, to gather feedback on safety policies, procedures and training.
- Evaluation of how each work group gets safety information, how they are informed of training, how they perform training, and what systems are in place for ensuring CalOSHA compliance.

John Balestrini's project responsibilities will include:

- Identification of which policies apply to each work group
- Determination of training requirements for each work group
- Interviews with individual work groups, including front-line staff, to gather feedback on safety policies, procedures and training.
- Evaluation of how each work group gets safety information, how they are informed of training, how they perform training, and what systems are in place for ensuring CalOSHA compliance.

Zoanne Tafolla's project responsibilities will include:

- Review of existing policies for compliance and workability
- Determination of training requirements for each work group

- Interviews with individual work groups, including front-line staff, to gather feedback on safety policies, procedures and training.
- Evaluation of how each work group gets safety information, how they are informed of training, how they perform training, and what systems are in place for ensuring CalOSHA compliance.

Lorri McAuliffe's project responsibilities will include:

- Identification of which policies apply to each work group
- Review of existing policies for compliance and workability
- Determination of training requirements for each work group

EXHIBIT “B”

TAB F Cost Proposal**1.1 Gap Analysis****\$14,500 Flat Rate****Includes:**

- Comprehensive gap analysis of all OSHA-required safety programs that affect all City employees
- Findings and recommendations report including matrix of training requirements by work group
- Meeting with City staff to present findings and recommendations

1.2 Safety Program Administrative Support**\$13,300 Flat Rate*****Includes:**

- Review of each of the following policies for compliance, adherence to industry best practices, and workability:
 - Injury and Illness Prevention Program
 - Transite (Asbestos) Pipe Policy
 - Bloodborne Pathogens Policy
 - Confined Space Policy
 - Fall Protection Policy
 - Respiratory Protection Policy
 - Emergency Action Plan
 - Fire Prevention Plan
 - Lockout/Tagout Policy
 - Hazard Communication Policy
 - Hearing Conservation Policy
 - Personal Protective Equipment (PPE) Policy
 - Heat Illness Prevention Policy
 - HAZWOPER – First Responder Operations Policy
 - Electrical Safety (Low Voltage) Policy
 - Excavation and Trenching Policy
- Interviews with each affected department including a representative sample of employees to assess their understanding of the policies and procedures as well as their perception of how well the procedures are integrated with real-world operations
- Meeting with City staff to present findings and recommendations

**Any additional safety policies not listed above will be billed at \$700 per policy*

Fee Schedule

- DKF Solutions Group will bill the City directly for services rendered according to the following schedule:
 - 75% due on delivery of draft documents
 - 25% due on delivery of final documents
- Each invoice will be payable within 30 days of receipt of the invoice.
- No additional fees are charged for mileage, copies, or general administrative work completed by DKF Solutions.



COUNCIL COMMUNICATION

CC #: 7632

File #: 707

Title: Roseville Aquatics Complex - Concession Agreement

Contact: Alexa Pritchard 774-5949 apritchard@roseville.ca.us

Meeting Date: 5/4/2016

Item #: 7.20.

RECOMMENDATION TO COUNCIL

Staff recommends the City Council approve the agreement with Clover Concessionaires, Inc. dba Dave's Dawgs and authorize the City Manager to execute the contract for Dave's Dawgs to operate concession services at the Roseville Aquatics Complex for the 2016 season.

BACKGROUND

In March 2014, the City of Roseville entered into a contract with Dave's Dawgs to operate a food and beverage snack bar at the Roseville Aquatics Complex. They have proven to be a good partner and provided quality concession services throughout the first two years of operation at the facility. By contracting out the concessions, it is estimated staff has been able to direct 20% more of their time towards pool operations and programming.

Per the agreement, the City receives a portion of net sales. The contract contains an option for two additional one year renewals. This year would mark the last renewal option of the existing agreement.

FISCAL IMPACT

The agreement states that the City will receive 10% of all net sales for the 2016 Summer Season and that the City will reimburse Dave's Dawgs \$2,000.00 to offset increased insurance costs. Funds for this agreement have been approved in the FY2015/16 Aquatics Division Operations budget.

ECONOMIC DEVELOPMENT / JOBS CREATED

Dave's Dawgs could need to hire additional staff to operate the concessions at the Roseville Aquatics Complex.

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 (CEQA Guidelines §15061(b) (3). The Concession Agreement at the Roseville Aquatics Complex project does not include the potential for a significant environmental effect, and therefore is not subject to CEQA.

Respectfully Submitted,

Alexa Pritchard, Recreation Superintendent

Dion Louthan, Parks, Recreation & Libraries Director



Rob Jensen, City Manager

ATTACHMENTS:

Description

Resolution No. 16-143

Concession Agreement for Roseville Aquatics Complex Summer 2016
exhibit A

RESOLUTION NO. 16-143

APPROVING AN AGREEMENT BETWEEN THE CITY OF ROSEVILLE AND CLOVER CONCESSIONAIRES, INC DBA DAVE’S DAWGS, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE

WHEREAS, an Agreement Granting an Exclusive Revocable License to Operate a Concession Stand at the Roseville Aquatics Complex, by and between the City of Roseville and Clover Concessionaires, Inc. dba Dave’s Dawgs, 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

AGREEMENT GRANTING AN EXCLUSIVE REVOCABLE
LICENSE TO OPERATE A CONCESSION STAND
AT THE ROSEVILLE AQUATICS COMPLEX

THIS AGREEMENT is made and entered into this ____ day of _____, 2016,
by and between the City of Roseville, a municipal corporation ("CITY"), Clover
Concessionaires, Inc. dba Dave's Dawgs, a California corporation ("LICENSEE"); and

W I T N E S S E T H:

WHEREAS, in January 2014, CITY issued a Request for Proposals ("RFP") for
concession stand services at the Roseville Aquatics Complex ("RAC"); and

WHEREAS, LICENSEE prepared a proposal dated January 30, 2014 which describes
the scope of work to be performed by LICENSEE; and

WHEREAS, LICENSEE is qualified and experienced to provide concession stand
services; and

WHEREAS, CITY and LICENSEE entered into prior agreements for the operation of
concession stand services at the Roseville Aquatics Complex on or around May 7, 2014 for the
summer of 2014 and June 3, 2015 for the summer of 2015; and

WHEREAS, CITY desires that LICENSEE operate the concession stand services for
the summer of 2016 swim season at the RAC and LICENSEE agrees to perform such services
pursuant to the terms of this AGREEMENT.

NOW, THEREFORE, the parties agree as follows:

1. License. CITY hereby awards to LICENSEE, and LICENSEE hereby accepts, an exclusive revocable license to operate a concession stand ("the Stand") at the RAC in accordance with the proposal attached hereto as EXHIBIT "A" and incorporated herein by this reference. The Stand and all foodservice equipment listed in Section 8.2 of the RFP shall be provided by CITY.

2. Term. The term of this Agreement shall commence on May 1, 2016 and expire on September 30, 2016.

3. Maintenance, Repair and Utilities. LICENSEE shall provide custodial services of the interior of the Stand. CITY shall be responsible for maintaining and repairing the Stand and CITY owned foodservice equipment to the extent needed maintenance or repairs are not caused by LICENSEE's negligence or intentional misconduct. LICENSEE shall be responsible for maintenance and repairs caused by LICENSEE's negligence or intentional misconduct. CITY shall also furnish the Stand with all necessary utilities.

4. Seating Area and Trash Removal. CITY shall be responsible for setting up the seating area. The area in which the Stand is located, including the seating area, shall be kept free of trash or litter and maintained by CITY in a safe, neat, clean and orderly condition. CITY shall provide adequate garbage cans for the use of customers and shall be responsible for removal of garbage from the RAC.

5. Equipment, Merchandise and Fixtures. Except for the foodservice equipment listed in Section 8.2 of the RFP to be supplied by CITY, LICENSEE shall provide, at no expense to CITY, any other equipment necessary for the operation of the Stand. LICENSEE shall be responsible for maintaining and repairing LICENSEE owned or supplied foodservice

equipment. No merchandise other than food or drink shall be sold. No permanent fixtures of any type shall be installed or placed by LICENSEE on or in the Stand.

6. Consideration. For 2016 Season, CITY shall receive 10% of all Net Sales. Net Sales shall be defined as the gross sales less the cost of goods sold and payroll expenses. CITY's portion of Net Sales shall be paid to the CITY on September 30th of each year. In addition, CITY will reimburse LICENSEE \$2,000 to offset the increased insurance costs to operate at the RAC. LICENSEE will invoice CITY for \$2,000 on June 1, 2016 and payment shall be made within thirty (30) days.

7. Prices. Prices to be charged for food and drink shall be subject to the written consent of the Parks, Recreation & Libraries Director, or his or her designee ("Director"). The Director may also require that a price list be posted on the Stand for the benefit of the public. No other signs shall be permitted without the written consent of the Director.

8. Hours of Operation. At a minimum, LICENSEE shall operate the Stand during seasonal recreational swim times at the RAC. Additional hours of operation will be as negotiated between CITY and LICENSEE.

9. Alcohol Prohibited. No alcoholic beverages shall be consumed at or sold at the Stand.

10. Glass Prohibited. No merchandise sold by LICENSEE shall be given to the customers in glass bottles or containers.

11. Indemnification. To the fullest extent allowed by law, LICENSEE 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 LICENSEE'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.

LICENSEE'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.

12. Insurance. LICENSEE agrees to continuously maintain, in full force and effect, at a minimum the following policies of insurance during the term of this Agreement.

COVERAGE

LIMITS OF LIABILITY

Workers Compensation

Statutory

Commercial General Liability

\$3,000,000 each occurrence
\$6,000,000 aggregate
Personal Injury:
\$3,000,000 each occurrence
\$6,000,000 aggregate

Automobile Liability

\$1,000,000 combined single limit

a. Form. LICENSEE shall submit a certificate evidencing such coverage for the period covered by this Agreement and 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. LICENSEE shall also provide a separate endorsement form or section of the policy showing CITY, its officers, agents and employees as additional insureds for each type of coverage, except for Workers' Compensation. Such

insurance shall specifically cover the contractual liability of LICENSEE. The additional insured coverage under the LICENSEE's policy shall be primary and noncontributory 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 ISO CG 20 01 Endorsement. It shall be a requirement under this Agreement that 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. LICENSEE shall provide thirty (30) 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 umbrella or excess insurance. Any umbrella or 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. LICENSEE 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. Subcontractors hired by LICENSEE agree to be bound to LICENSEE

and CITY in the same manner and to the same extent as LICENSEE is bound to CITY under this Agreement. Subcontractor further agrees to include these same provisions with any tertiary subcontractor. 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. LICENSEE hereby agrees to waive subrogation which any insurer of LICENSEE may acquire from LICENSEE 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 and employees for all work performed by LICENSEE, its employees, agents and subcontractors.

h. Liability/Remedies. Insurance coverage in the minimum amounts set forth herein shall not be construed to relieve LICENSEE 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.

13. Permits and Licenses. LICENSEE shall obtain at its own expense any and all permits and licenses which may be required by law or ordinance (including, without limitation

by reason of enumeration, City of Roseville business licenses) in the conduct of the Stand and shall pay any and all taxes which may be assessed against it for whatever purposes in the operation of said concession. LICENSEE shall obtain the consent of the Placer County Health Department before and during the operation of the Stand.

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

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

16. Governing Agreement. In the event of any conflict between this Agreement and its EXHIBITS, the provisions of this Agreement shall govern.

17. Assignment. LICENSEE shall not sell, lease, assign or sublet any rights under this License Agreement without the prior written consent of CITY.

18. Independent Contractor. LICENSEE 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.

19. Termination of Agreement. Either party may terminate this Agreement without cause by giving the other party thirty (30) days advance written notice.

20. 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 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 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.

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

22. 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.

23. 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

Dominick Casey
Parks, Recreation & Libraries Director
311 Vernon Street
Roseville, CA 95678

LICENSEE

David Clover
Clover Concessionaires, Inc.
465 Homestead Court
Lincoln, CA 95648

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

24. 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 _____, 2016, and LICENSEE has caused this Agreement to be executed.

CITY OF ROSEVILLE, a
municipal corporation

CLOVER CONCESSIONAIRES, INC. dba
DAVE'S DAWGS, a California corporation

BY: _____
ROB JENSEN
City Manager

ATTEST:

BY: _____
SONIA OROZCO
City Clerk

APPROVED AS TO FORM:

BY: _____
ROBERT R. SCHMITT
City Attorney

APPROVED AS TO SUBSTANCE:

BY:  _____
DION LOUTHAN
Parks, Recreation & Libraries Director

BY:  _____
its: PRESIDENT

and

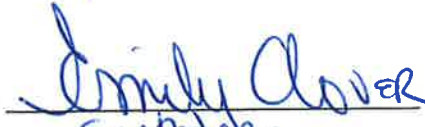
BY:  _____
its: SECRETARY

EXHIBIT “A”

EXHIBIT “A”

January 30, 2014

City of Roseville
Attn: City Clerk Department
311 Vernon Street
Roseville, CA 95678

RECEIVED

MAR 11 2014

RFP – Roseville Aquatics Complex Concessions Vendor

CITY ATTORNEY

Hello,

I am pleased to submit our proposal to operate a food and beverage snack bar at Roseville Aquatics Complex for the City of Roseville.

I am offering over 11 years of food concessionaire experience. Please note that the sole business purpose of Dave's Dawgs is mobile food vending and catering, the operation of a concession stand is a perfect fit for our business model.

After careful review of the Scope of Services outlined in your Notice for Proposals (Release date 12/2/13), I am confident we can provide all product, personnel and equipment necessary to fulfill your concession needs while adhering to all stated requirements and conditions.

Either David or Emily Clover is authorized to negotiate with the City and sign a contract on the behalf of Dave's Dawgs.

Thank you for your consideration,


David Clover
Owner

Dave's Dawgs
465 Homestead Court
Lincoln, CA 95648
Phone 916-532-3647
Fax 916-434-0347
Email: info@davesdawgs.com
www.davesdawgs.com

Tab A

Firm's Qualifications

Dave's Dawgs was established in 2002 as a mobile hot dog vending service. It is owned and operated by the husband and wife team of Emily and David Clover and currently operates four (4) mobile vehicles serving Placer, Sacramento and Yolo counties as well as the snack bar at Foscett Regional Softball Complex in Lincoln.

Dave's Dawgs is fully insured and permitted by several County Health Departments. Member of the Lincoln, Rocklin and Auburn Chambers of Commerce, Dave's Dawgs holds a City of Roseville Business License (Number 036448).

In addition to community events, corporate functions and private catering, Dave's Dawgs also provides regular lunch service to local area businesses and operates a hot dog cart at a downtown Sacramento corner location. The fact that Dave's Dawgs is invited back to events year after year is proof that they are a capable and reliable food concessionaire.

Utilizing established employees of the company to manage and operate the snack bar, Dave's Dawgs would provide the food and beverage service requested. Supplemental sub-contractors may be utilized to service and maintain the specialty equipment in the facilities (i.e. Icee machine and soda fountain).

Tab B
Experience and References

Foskett Regional Softball Complex

- **Doug Brown**
Recreation Supervisor
City of Lincoln Recreation Department
2010 First Street, Lincoln, CA 95648
916-434-3222

Operate full service snack bar for softball tournaments and city league play since 2011

SactoMoFo -- producer of street food events

- **Ernie Hernandez**
Event Coordinator
916-390-7679

Participant in Food Truck Round-Ups including Vernon Street Thursday Nights since 2011

City of Rocklin

- **Jim Crosthwaite**
Recreation Supervisor
City of Rocklin Parks and Recreation Department
5460 5th Street, Rocklin, CA 95677
916-625-5200

Mobile Food Vendor for most Rocklin community events since 2005

Tab C
Qualifications of Team

Emily Clover will act as manager/supervisor for the Roseville Aquatic Center Concession. A principal in Dave's Dawgs, she has managed the Foskett Softball Complex Concession for the past three years.

Experienced in all aspects of business management, prior to Dave's Dawgs, Emily was employed as company Controller for over 20 years.

Tab D
Project Understanding

Based on available information, field observation and experience, Dave's Dawgs will operate a concession stand at the Roseville Aquatic Center.

Open during recreational swim times, the concession will be geared toward children and families, providing hot and cold food and beverages.

The facility will be kept clean and maintained by Dave's Dawgs and their assigned staff.

Dave's Dawgs has or shall acquire necessary city, state and county permits for the purpose of food sales and concession operations.

Tab E
Project Plan

OUR MISSION STATEMENT

To provide quality products and outstanding service at a fair price

Dave's Dawgs believes that to operate the Roseville Aquatic Center Concession successfully and profitably we will need to implement a simple, yet comprehensive menu.

We intend to arrange the facilities and design a menu so that the daily operation of the snack bar can be achieved by a single, well trained and qualified employee. Additional employees may be scheduled to accommodate special events or large programs.

It is our goal to staff the facility with the same two or three employees on a rotating schedule in order to maintain continuity of operations and a consistent level of service and product quality.

Inventory management will be the responsibility of the site manager. Dave's Dawgs is committed to providing the freshest, best quality products available, featuring Hebrew National's 100% Kosher Beef hot dog, Evergood specialty sausages, Coke and/or Pepsi products as well as name brand condiments and snack products.

Tab F
Cost Proposal

The following page contains the probable menu for Contract Term 2014.

Dave's Dawgs reserves the right to revise the menu prior to the start of each contract period.

Consideration to City

A Sales Report, in spreadsheet format, will be submitted within thirty (30) days of the end of the contract term. All consideration due to the City will be paid with the submission of the Sales Report.

Net Sales shall be defined as:

Gross Sales

Less Applicable sales tax

Less Cost of Goods Sold (COGS)

Less Payroll Expense (estimated at \$3500/per contract term)

For the contract term 2014 -

After the first Two Thousand Five Hundred Dollars (\$2500.00) in Net Sales are earned at the Roseville Aquatic Center Concession, City will receive 10% of all subsequent Net Sales.

For the contract terms 2015 and 2016 -

City will receive 10% of all Net Sales earned at the Roseville Aquatic Center Concession.

DAVE'S DAWGS -MENU-

Hot Dog - 100% Beef, 1/4 lb, Hebrew National	\$ 3.50
Hot Link - 100% beef, Spicy	\$ 4.00
Veggie Dog	\$ 4.00
Cheese Nachos	\$ 3.00

-SNACKS-

Assorted Candy	\$ 0.25
Chips/Fruit Snacks/RedVines/Skittles/PixyStix	\$ 1.00
Fresh Fruit	\$ 1.00
Chocolate Candy	\$ 1.50
Ice Cream Bar	\$ 2.00

-DRINKS-

Fountain Drink	<i>sizes and price to be determined</i>
Icee	<i>sizes and price to be determined</i>
Bottled Water	\$ 1.00
Gatorade	\$ 2.50

-COMBOS -

Hot Dog "Meal Deal"	\$ 5.00
Hot Dog, Soda or Water and Chips	

Tab G

Required Statements/Documents

Section 5.0

Dave's Dawgs assures that the designated manager for the Roseville Aquatic Center Concession will be used for this project. Departure or reassignment of the project manager shall not be made without the prior approval of the City.

Section 10.4

Dave's Dawgs warrants 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.

Section 10.7

Dave's Dawgs has the ability and agrees to fulfill the indemnification and insurance requirements contained in the sample contract with the reduced Limits of General Liability Insurance Coverage as detailed in Tab H of this Proposal.

Section 10.21

Dave's Dawgs has submitted nothing of a proprietary nature in this proposal.

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.

DAVE'S DAWGS
NAME OF BUSINESS
[Signature]
SIGNATURE
DAVID CLOVER, OWNER
NAME & TITLE, TYPED OR PRINTED
4165 HOMESTEAD CRT, LINCOLN, CA 95648
MAILING ADDRESS
916-532-3647
TELEPHONE NUMBER
info@DAVESDAWGS.COM
EMAIL

Type of Organization:

☐ Sole Proprietorship ☐ Corporation ☐ State of Incorporation
☒ Partnership ☐ Limited Liability Company

Tab H
Exceptions

TENTATIVE SCHEDULE:

If Dave's Dawgs is awarded the contract, it would be our request to complete contract negotiations before February 10, 2014 or after February 28, 2014. Both David and Emily Clover will be out of the county from February 11, 2014 thru February 28, 2014.

SAMPLE CONTRACT (Attachment B):

Page 3 section 7 Prices

A sign for "Dave's Dawgs" will be permitted.

Page 4 section 12 Insurance

Request Revised Limits of Liability for Commercial General Liability Coverage to

\$1,000,000 each occurrence

\$2,000, 000 aggregate

Personal Injury:

\$1,000,000 each occurrence

\$2,000, 000 aggregate

These limits are standard and widely accepted in our industry. These are the limits we have maintained for the last ten (10) years without incident or exception.

Tab I
Competency of Proposers

Dave's Dawgs is a well established business. After the initial investment to outfit and stock the concession stand at Roseville Aquatic Center, the operation would be self sustaining.

There are no pending, filed or resolved actions in the company history.

The company has never had a contract terminated for breach.



COUNCIL COMMUNICATION

CC #: 7622
File #: 0704-01

Title: Central Park Phase 3 Project - Professional Design Services Agreement Amendment
Contact: Rjahja Canlas 916-774-5505 rcanlas@roseville.ca.us

Meeting Date: 5/4/2016
Item #: 7.21.

RECOMMENDATION TO COUNCIL

Approve the attached resolution authorizing the City Manager to execute the first amendment to the agreement for professional design services between the City of Roseville and Furhman Leamy Land Group, Inc. in the amount of \$39,250.00 for construction document preparation related to the development of phase 3 of Central Park.

BACKGROUND

In October 2014, Fuhrman Leamy Land Group was selected to provide consulting design services for the Central Park Phase 3 Project. The scope of work in that Agreement focused on construction document preparation for the phase 3 amenities. For city-wide park development, due to the cost of amenities, it is typical that regional park sites are constructed in phases. Although the original phase 3 project would have develop most of the areas of the park, it would leave several portions undeveloped. After discussions with residents and the school district, it was determined the phase 3 efforts should be modified and also address the undeveloped portions of the site to improve the overall aesthetics.

As such, the scope of work in this amendment is to include turf or landscaped areas of the undeveloped portion of the park, while also planning for ultimate build-out of the property and corresponding amenities. Revised phase 3 plans also include the design and construction of two softball fields, gravel parking lot and concrete pathways. The remaining permanent amenities will not be constructed with the phase 3 project but will be completed in a later phase, due to a lack of funding. Future phases could be many years away. The construction documents will reflect the modified phase 3 amenities based on the approved master plan and will incorporate lighting one of the two softball fields and the installation of the infrastructure to support all other future electrical requirements for build out.

Target for construction is dependent upon the drought situation (must be below a stage 2 level for turf planting) and resource allocations for general fund maintenance. The goal of the current effort is to have the project ready to bid, once drought restrictions are lifted and adequate maintenance funding is available.

FISCAL IMPACT

Allocations for the preparation of the construction documents were approved in the FY 2014-15 budget through the City Wide Park Fund and were carried forward to the current fiscal year.

Funding for maintenance would be a general fund obligation.

ECONOMIC DEVELOPMENT / JOBS CREATED

Based on Federal guidelines, there is one job created for every \$92,000 in direct government spending. Based on that guideline, no new jobs will be created with this amendment.

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 (CEQA Guidelines §15061(b)(3)). Approval of the Agreement for Professional Design Services for the Central Park Phase 3 does not include the potential for a significant environmental effect, and therefore is not subject to CEQA.

Respectfully Submitted,

Rjahja Canlas, Park Development Analyst

Dion Louthan, Parks, Recreation & Libraries Director



Rob Jensen, City Manager

ATTACHMENTS:

Description

Resolution No. 16-136

Central Phase 3 - signed agreement

RESOLUTION NO. 16-136

APPROVING A FIRST AMENDMENT TO AGREEMENT FOR PROFESSIONAL DESIGN SERVICES BETWEEN THE CITY OF ROSEVILLE AND FUHRMAN LEAMY LAND GROUP, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE

WHEREAS, a first amendment to agreement for professional design services regarding the Central Park Phase 3 project, by and between the City of Roseville and Fuhrman Leamy Land Group, 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
AGREEMENT FOR PROFESSIONAL DESIGN SERVICES**

Project: Central Park Phase 3

THIS FIRST AMENDMENT TO AGREEMENT FOR PROFESSIONAL DESIGN SERVICES ("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 Fuhrman Leamy Land Group, a California corporation ("CONSULTANT"); and

W I T N E S S E T H:

WHEREAS, CITY and CONSULTANT previously entered into a Professional Design Services Agreement dated October 15, 2014 ("Agreement"), consisting of landscape architectural services concerning the Central Park Phase 3 project ("Project"); and

WHEREAS, CITY desires to amend the Agreement to include additional services as described in CONSULTANT's letter/proposal dated April 6, 2016, which is attached hereto as Exhibit "A" and incorporated herein by reference; and

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

NOW, THEREFORE, the parties agree as follows:

1. CONSULTANT shall provide additional services as described in Exhibit "A" of this First Amendment to Agreement.

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

"CITY shall pay thirty-nine thousand, two hundred fifty dollars (\$39,250.00), in consideration of the additional services as set forth in Exhibit "A" to the First Amendment to Agreement. This brings the total not to exceed contract amount to one hundred thousand, three hundred seventy dollars (\$100,370.00)."

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 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.

[SIGNATURES ON FOLLOWING PAGE]

CITY OF ROSEVILLE, a
municipal corporation

BY: _____
ROB JENSEN
City Manager

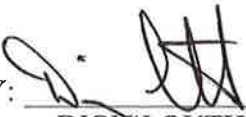
ATTEST:

BY: _____
SONIA OROZCO
City Clerk

APPROVED AS TO FORM:

BY: _____
ROBERT R. SCHMITT
City Attorney

APPROVED AS TO SUBSTANCE:

BY:  _____
DION LOUTHAN
Parks, Recreation & Libraries Director

FUHRMAN LEAMY LAND
GROUP, a California corporation

BY:  _____
its: VICE PRESIDENT

and

BY:  _____
its: CFO

EXHIBIT “A”

April 6, 2016

RE: Central Park Phase 3 – Amendment #1

Additional Scope of Work:

Item #1

Provide concepts and cost estimate to revise the scope of work to complete the park. Update construction documents to include the City of Roseville approved concept for completion of the park.

Item #2

Revise Central Park Phase 3 improvements plans to incorporate the softball field lighting and electrical improvements.

Provide the electrical engineering services for the Buildout Phase additions to be located within the City of Roseville's Central Park. The Buildout Phase will involve the addition of lighting for (2) Softball Fields (lighting design by Musco), (2) Basketball Courts (lighting design by Musco), (2) Soccer Fields (lighting design by Musco), (2) Tennis Courts (lighting design by Musco), (2) Parking Lots (lighting design by Stanton Engineering), Miscellaneous Security Pathway or decorative Lights at plaza (lighting design by Stanton Engineering), (10) vendor/event dedicated receptacles for vendor cubes at plaza area.

The Buildout Phase will also involve the coordination with Roseville Electric for a new underground electric service into the park, a new utility service transformer by Roseville Electric, design of a new electrical service and distribution pedestals, modifications/additions to the existing conduit systems within the park to provide power distribution to the lighting systems noted above and power feeder to a predesigned packaged restroom. The project will also involve the coordination with Musco for the specific requirements of the sports lighting and associated control panels.

Additional Fee Proposal:

These professional services will be billed on a time and material basis according to the terms and conditions of the original contract. The following shows the project's contract adjustments:

Original contract amount:	\$ 61,120.00
Previous additional services amount:	\$ 0.00
Current additional services amount as per this agreement:	\$ 39,250.00
Revised contract amount:	\$100,370.00



COUNCIL COMMUNICATION

CC #: 7640
File #: 0109-02

Title: Street Closure Request - May 14, 2016 - Woof, Wine & Dine Event
Contact: Jamie Hazen 916-774-5978 jhazen@roseville.ca.us

Meeting Date: 5/4/2016
Item #: 7.22.

RECOMMENDATION TO COUNCIL

Staff is requesting the City Council adopt a resolution authorizing the City Manager to sign the agreement with the Placer County Society for the Prevention of Cruelty to Animals (SPCA), a California non-profit corporation, for special events and temporary street closures and approve the following for Saturday, May 14, 2016:

- Closure of S. Grant Street between Vernon Street and Oak Street. The closure times will be 4:00 – 6:00 p.m. and 9:30 – 11:00 p.m. for the Woof, Wine & Dine event.

The street closures will ensure the event is a safe, traffic-free environment for vendors and bands to set up and take down their items. The streets will be open during the hours of the event from 6:30 – 9:30 p.m.

These approvals are contingent upon the applicant submitting proof of insurance that meet the City of Roseville's requirements and have been approved by Risk Management staff.

BACKGROUND

The Placer County SPCA has submitted a special event application to host their annual Woof, Wine & Dine event in the Vernon Street Town Square. The event will feature food sampling from local restaurants, wine and beer tasting from local breweries and wineries and music for attendees to enjoy. Special areas are being organized for dogs to drink, as well as a place for waste disposal. Security guards will be in attendance to monitor the event.

Last year the Placer County SPCA held this event in the Vernon Street Town Square for the first time. In addition, they hosted their annual Barktoberfest event at Maidu Park. The SPCA was granted special permission to have dogs in the parks for both events. The feedback from staff was the area was left very clean so the group has been given special permission again, by Parks, Recreation & Libraries Director, Dion Louthan for canines to attend on leashes and under strict monitoring by their owners and the event coordinator. Misbehaving canines will be escorted out by their owners.

FISCAL IMPACT

There will be no fiscal impact to City budgets for this event. The applicant will reimburse the City

for staff time and resources.

ECONOMIC DEVELOPMENT / JOBS CREATED

Although there are no jobs created as a result of this event, the exposure could have a positive impact to the businesses in the downtown area, and supports the Council goal of having a vibrant downtown.

ENVIRONMENTAL REVIEW

The proposed Street Closure Agreement outlines applicant and City responsibilities for proposed temporary street closures required to safely accommodate the event. 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 (CEQA Guidelines §15061(b)(3)). Because the request for approval of the Temporary Street Closure Agreement does not include the potential for a significant environmental effect, it is not subject to CEQA and no further action is required.

Respectfully Submitted,

Jamie Hazen, Community Relations Analyst

Dion Louthan, Director, Parks, Recreation & Libraries Department



Rob Jensen, City Manager

ATTACHMENTS:

Description

Resolution No. 16-149

Agreement for Street Closure Woof, Wine & Dine

RESOLUTION NO. 16-149

APPROVING AN AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND
THE PLACER COUNTY SOCIETY FOR THE PREVENTION OF CRUELTY TO ANIMALS
AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF
THE CITY OF ROSEVILLE

WHEREAS, an Agreement for Special Event and Temporary Street Closure regarding
Woof, Wine & Dine, between the City of Roseville and The Placer County Society for the
Prevention of Cruelty to Animals, 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

**AGREEMENT FOR SPECIAL EVENT AND
TEMPORARY STREET CLOSURE**

Event: Woof, Wine & Dine

THIS AGREEMENT is made and entered into this ____ day of _____, 20__
by and between the City of Roseville, a municipal corporation ("CITY"), and The Placer
County Society for the Prevention of Cruelty to Animals, a California non-profit corporation
("PROMOTER"), and

W I T N E S S E T H:

WHEREAS, PROMOTER has requested the closure of certain public streets for the
Woof, Wine & Dine ("Event") to be held on Saturday, May 14, 2016, and

WHEREAS, CITY approves said request subject to the following terms and conditions.

NOW, THEREFORE, the parties agree as follows:

1. PROMOTER shall comply with all applicable provisions of the Roseville
Municipal Code.
2. The following streets may be closed to traffic between 4:00 p.m. to 6:00 p.m.
and 9:30 p.m. to 11:00 p.m. on Saturday, May 14, 2016:
 - a. S. Grant Street, between Vernon and Oak Streets; and
3. Adequate barriers and warning signs, as requested by the Public Works
Director/City Engineer, shall be placed by City personnel at all street entrances and alleys
leading into the closed area. No markings of any kind will be permitted on the street, street
lights, or electrical poles.
4. All debris, booths, exhibits, or other materials resulting from the Event shall be
completely removed and all streets and alleyways shall be reopened to traffic by 11:00 p.m. on
the date of the Event.

5. PROMOTER shall notify in writing all businesses, located on the streets to be closed, of the Event and planned street closure not later than five (5) days in advance of the Event.

6. To the fullest extent allowed by law, PROMOTER 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, arising out of or in connection with the Event or the attendant street and/or garage closures, except those matters arising from CITY's sole negligence or willful misconduct. The parties intend that this provision shall be broadly construed.

PROMOTER'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.

7. The PROMOTER shall obtain insurance covering the Event in accordance with the attached insurance requirements, which are incorporated herein by this reference.

8. CITY reserves the right to cancel this Agreement if PROMOTER has knowingly made a false statement of material fact or has knowingly omitted to state a material fact to CITY.

9. PROMOTER shall reimburse CITY for all staff costs incurred relating to the Event including, but not limited to, street closure costs.

10. PROMOTER shall obtain security services for the Event as required by the Roseville Police Department. In the event PROMOTER desires to retain Roseville Police Officers (instead of a private security provider) for provision of security for the Event, PROMOTER shall, prior to the Event, enter into a Supplemental Law Enforcement Services Agreement with CITY.

11. Either party may terminate this Agreement by giving the other party ten (10) days advance written notice.

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 PROMOTER has caused this Agreement to be executed.

CITY OF ROSEVILLE, a
municipal corporation

BY: _____
ROB JENSEN
City Manager

ATTEST:

BY: _____
SONIA OROZCO
City Clerk

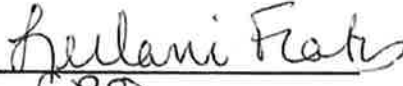
APPROVED AS TO FORM:

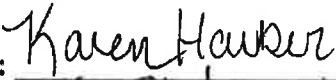
BY: _____
ROBERT R. SCHMITT
City Attorney

APPROVED AS TO SUBSTANCE:

BY:  _____
DION LOUTHAN
Parks, Recreation & Libraries Director

THE PLACER COUNTY SOCIETY FOR
THE PREVENTION OF CRUELTY TO
ANIMALS, a California non-profit
corporation

BY: 
its: CEO
and

BY: 
its: president



**HUMAN RESOURCES/RISK MANAGEMENT DIVISION
INSURANCE REQUIREMENTS FOR SPECIAL EVENT AND TEMPORARY STREET
CLOSURE**

Required Coverage:

- General Liability: \$1,000,000 per occurrence
\$2,000,000 aggregate
- Liquor Liability (only when alcohol is provided) \$1,000,000 per occurrence
\$2,000,000 aggregate

- *Policy must be primary and non-contributory.**
- *Policy must contain a waiver of subrogation**
- *A 30 day notice of cancellation (10 day for non-payment) must be provided.**
- *The policy may not contain language which prohibits additional insured or other insurers from satisfying the self-insured retention or deductible.**
- *All Self Insured Retentions must be listed on the certificate**

Required Documentation:

- A certificate of insurance listing the required coverage and naming the City of Roseville as Certificate Holder. The Certificate should be addressed to:

City of Roseville
Attn: Risk Management
311 Vernon St., Roseville, CA 95678
- Additional Insured Endorsement: CG 20 26, 11/85 or an equivalent, blanket endorsement or section of the policy. Endorsement should state the City of Roseville, its officers, agents, employees and volunteers as additional insured.
- Waiver of Subrogation Endorsement
- Primary Coverage Endorsement

***NOTE: statements on the certificate of insurance in lieu of the documentation required above will not be accepted.**

Questions concerning any of the above should be directed to the Risk Management Division:

Phone: 916-774-5202/fax 916-774-5461 or email: riskmanagement@roseville.ca.us



COUNCIL COMMUNICATION

CC #: 7639
File #: 0109-02

Title: Street Closure Request - May 18, 2016 - Sun City's 20th Anniversary Parade
Contact: Jamie Hazen 916-774-5978 jhazen@roseville.ca.us

Meeting Date: 5/4/2016
Item #: 7.23.

RECOMMENDATION TO COUNCIL

Staff is requesting the City Council adopt a resolution authorizing the City Manager to sign the agreement for a special event and temporary street closures with the Sun City Roseville Community Association and approve the following on Wednesday, May 18, 2016:

- Closure of Del Webb Boulevard from Sun City Boulevard to Rose Garden Lane from 8:00 a.m. – 12:00 p.m.
- Closure of Timberrose Way from Del Webb Boulevard to Lost Lake Lane from 8:00 a.m. – 12:00 p.m.
- Closure of School House Lane from Timberrose Way to Apple Hollow Loop from 8:00 a.m. – 12:00 p.m.

The street closures will ensure the event is a safe, traffic-free environment for parade participants and attendees.

BACKGROUND

The Sun City Roseville Community Association has submitted a special event application to host a parade for their 20th Year Anniversary Celebration. Parks, Recreation & Library staff have worked with Public Works staff to identify the necessary street closures for a safe and fun event. Sun City Community Association representatives will send notices to all affected residents to notify them of the street closures and the celebration. Public Works staff will be onsite during the event and will safely remove the street closures as the parade passes through the identified intersections.

FISCAL IMPACT

The Sun City Roseville Community Association has been provided with an estimate for traffic control and will reimburse the City of Roseville for costs incurred for street closures for the parade.

ECONOMIC DEVELOPMENT / JOBS CREATED

Not applicable for this event.

ENVIRONMENTAL REVIEW

To safely accommodate the event, temporary street closures are required. 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 (CEQA Guidelines §15061(b)(3)). Because the request for temporary street closures does not include the potential for a significant environmental effect, it is not subject to CEQA.

Respectfully Submitted,

Jamie Hazen, Community Relations Analyst

Dion Louthan, Parks, Recreation & Libraries Director



Rob Jensen, City Manager

ATTACHMENTS:

Description

Resolution No. 16-148

Street Closure Agreement

RESOLUTION NO. 16-148

APPROVING AN AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND
SUN CITY ROSEVILLE COMMUNITY ASSOCIATION, INC., AND AUTHORIZING THE
CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE

WHEREAS, an Agreement for Special Event and Temporary Street Closure regarding
Sun City's 20th Anniversary Parade, between the City of Roseville and Sun City Roseville
Community Association, 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

AGREEMENT FOR SPECIAL EVENT AND
TEMPORARY STREET CLOSURE

Event: Sun City Roseville's 20th Anniversary Parade

THIS AGREEMENT is made and entered into this ____ day of _____, 20__, by
and between the City of Roseville, a municipal corporation ("CITY"), and Sun City Roseville
Community Association, Inc., a California non-profit corporation ("PROMOTER"), and

W I T N E S S E T H:

WHEREAS, PROMOTER has requested the closure of certain public streets for the Sun
City Roseville's 20th Anniversary Parade ("Event") to be held on Wednesday, May 18, 2016; and

WHEREAS, CITY approves said request subject to the following terms and conditions.

NOW, THEREFORE, the parties agree as follows:

1. PROMOTER shall comply with all applicable provisions of the Roseville
Municipal Code.
2. The following streets may be closed to traffic between 8:00 a.m.; and 12:00 p.m.
on Wednesday, May 18, 2016:
 - a. Del Webb Boulevard, between Sun City Boulevard and Rose Garden
Lane; and
 - b. Timberrose Way, between Del Webb Boulevard and Lost Lake Lane; and
 - c. School House Lane, between Timberrose Way and Apple Hollow Loop.

3. Adequate barriers and warning signs, as requested by the Public Works Director/City Engineer, shall be placed by City personnel at all street entrances and alleys leading into the closed area. No markings of any kind will be permitted on the street, street lights, or electrical poles.

4. All debris, booths, exhibits, or other materials resulting from the Event shall be completely removed and all streets and alleyways shall be reopened to traffic by 12:00 p.m. on the date of the Event.

5. PROMOTER shall notify in writing all businesses, located on the streets to be closed, of the Event and planned street closure not later than five (5) days in advance of the Event.

6. To the fullest extent allowed by law, PROMOTER 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, arising out of or in connection with the Event or the attendant street and/or garage closures, except those matters arising from CITY's sole negligence or willful misconduct. The parties intend that this provision shall be broadly construed.

PROMOTER'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.

7. The PROMOTER shall obtain insurance covering the Event in accordance with the attached insurance requirements, which are incorporated herein by this reference.

8. CITY reserves the right to cancel this Agreement if PROMOTER has knowingly made a false statement of material fact or has knowingly omitted to state a material fact to CITY.

9. No alcoholic beverages shall be sold on City streets or property.

10. PROMOTER shall reimburse CITY for all staff costs incurred relating to the Event including, but not limited to, street closure costs.

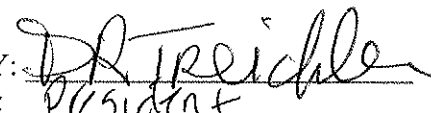
11. Either party may terminate this Agreement by giving the other party ten (10) days advance written notice.

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 PROMOTER has caused this Agreement to be executed.

CITY OF ROSEVILLE, a
municipal corporation

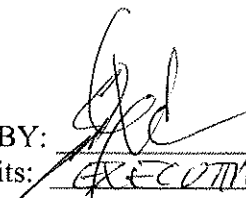
SUN CITY ROSEVILLE COMMUNITY
ASSOCIATION, INC., a California
non-profit corporation

BY: _____
ROB JENSEN
City Manager

BY: 
its: PRESIDENT
and

ATTEST:

BY: _____
SONIA OROZCO
City Clerk

BY: 
its: EXECUTIVE DIRECTOR

[SIGNATURES CONTINUED ON NEXT PAGE]

APPROVED AS TO FORM:

BY: _____
ROBERT R. SCHMITT
City Attorney

APPROVED AS TO SUBSTANCE:

BY:  _____
DION LOUTHAN
Parks, Recreation & Libraries Director



COUNCIL COMMUNICATION

CC #: 7651

File #: 0201-01 & 0323

Title: Disaster Recovery System - Budget Adjustment
Contact: Claudia Villa 916-774-5003 cvilla@roseville.ca.us

Meeting Date: 5/4/2016

Item #: 7.24.

RECOMMENDATION TO COUNCIL

Adopt an ordinance amending the budget. Staff is asking that a total of \$56,000 be transferred from three different accounts in the Police Department's General Fund budget into the Police Rehab Capital Improvement Fund. The funds are needed for the future purchase of an off-site disaster recovery site for the recently implemented public safety computer system.

BACKGROUND

The recent implementation of the City's computer aided dispatch and records management system (New World) included equipment and a process for disaster recovery of the system and its data. To add additional security and redundancy in the event of an emergency affecting the city network or police headquarters, staff plans to purchase a separate, independent data storage unit to be maintained off site, and an encrypted network connection between the primary site and the off-site disaster recovery unit. Additional funds in the amount of \$56,000 are needed to purchase and install the unit.

FISCAL IMPACT

Staff is requesting a transfer of \$56,000 from three different accounts in the police departments FY 16 General Fund budget to the Police Rehab Capital Improvement Fund. There is no net impact on the General Fund.

ECONOMIC DEVELOPMENT / JOBS CREATED

Not applicable to this requested budget adjustment.

ENVIRONMENTAL REVIEW

The requested transfer of money between City funds for computer equipment is not considered a "project" as defined by the California Environmental Quality Act (CEQA) (CEQA Guidelines §15378). Consequently no CEQA action is required.

Respectfully Submitted,

Dee Dee Gunther, Department Public Information Officer

Police Chief, Daniel Hahn



Rob Jensen, City Manager

ATTACHMENTS:

Description

Ordinance No. 5679

Budget adjustment form

ORDINANCE NO. 5679

ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE
AUTHORIZING CERTAIN AMENDMENTS TO THE 2015-16
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 2015-16, is hereby amended by transferring appropriation to and from the activities indicated below:

Appropriate funds for a Disaster Recovery System per request of the Police Department, as listed on the attached Request for Budget Adjustment in the amount of \$56,000.00.

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 _____, 20__, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

MAYOR

ATTEST:

City Clerk



REQUEST FOR BUDGET ADJUSTMENT FINANCE DEPARTMENT

Instructions: Complete all necessary fields. Fields marked with an asterisk (*) are mandatory and required for processing. Obtain required approvals and process according to the procedure outlined in:

[A.R. 6.01 Budget Adjustment Policy & Procedure.](#)

For more detailed budget adjustment training information, including examples, please click on the following link:

[Miscellaneous Budget Training Information.](#)

REQUESTER*: Shelly Bracco

DEPARTMENT/DIVISION*: Police/ Administration

FISCAL YEAR/EFFECTIVE DATE*: 2016

PROPOSED COUNCIL DATE (if applicable):

USE OF FUNDS*						
AMOUNT*	ACCOUNT NUMBER					Account Title/Activity Description*
	GL			JL		
	ORG KEY*	OBJECT*	FUND*	PROJECT	ACTIVITY	
56,000	00316	3902	100			Transfer from General Fund
56,000	91024	6130	310			CIP Rehab Fund/ CAD/RMS Disaster Recovery
\$ 112,000	TOTAL					

SOURCE OF FUNDS*						
AMOUNT*	ACCOUNT NUMBER					Account Title/Activity Description*
	GL			JL		
	ORG KEY	OBJECT	FUND*	PROJECT	ACTIVITY	
10,000	05500	6002	100			Police Admin/ CAD/RMS Disaster Recovery
16,000	05511	6002	100			Police Records/ CAD/RMS Disaster Recovery
30,000	05511	5216	100			Police Records/ CAD/RMS Disaster Recovery
56,000	00316	8902	100			Transfer to Police CIP Rehab Fund
\$ 112,000	TOTAL					

FINANCE USE	Approved:	Comments:
	<i>Shelly Bracco</i> 3/30/16	
	BUDGET MANAGER/DESIGNEE	DATE

Justification for Budget Adjustment*:

The CAD/RMS Disaster Recovery System (DR site) will provide City of Roseville Public Safety with a redundant data center that can be utilized if the primary site is compromised. Police and Fire CAD, Mobiles, Police Records, along with all Tyler/New World system modules will continue to operate without interruption. We are requesting to redirect funds budgeted in our FY16 operating budget to the development of this system, and have asked for the remaining balance to come from FY17 funding. All monies will be moved to the Police CIP Rehab Fund.

Approved:	Approved:
<i>[Signature]</i> 4/13/16	
REQUESTING DEPARTMENT HEAD/DESIGNEE	CITY MANAGER
DATE	DATE



COUNCIL COMMUNICATION

CC #: 7643

File #: 0201-01 & 0800-02

Title: Water Operations Fund - Budget Adjustment

Contact: Carol Margetich 916-746-1712 cmargetich@roseville.ca.us

Meeting Date: 5/4/2016

Item #: 7.25.

RECOMMENDATION TO COUNCIL

Recommend Council adopt an ordinance to approve a budget adjustment in the amount of \$3,500,000 to transfer available funds from Water Operations Fund to Water Rehabilitation Fund (\$1,000,000) and Water Rate Stabilization Fund (\$2,500,000).

BACKGROUND

In FY15, the drought and resulting water conservation efforts caused staff to budget reduced Water Sales revenue for the year. To mitigate further deterioration of available resources within the fund, staff also considered cost cutting measures to better align expenses with the reduced revenue. One of these measures included a reduction of the contribution from Water Operations to Water Rehabilitation by \$1,000,000. After review of both actuals from FY15 and FY16 year-to-date budget estimates, staff has determined sufficient funds are available to replace the prior year reduction of \$1,000,000 to the Water Rehab Fund.

In addition, EU's council-adopted Financial Management Policy outlines a goal of Water Fund reserves equal to 75 percent of water operation expenses to maintain the short-term and long-term financial health of the utility and mitigate risks associated with financial exposures such as unanticipated cost contingencies, ongoing bond rating reviews, and stable rates for customers. Based on the final accounting for FY15, there are funds available to transfer \$2,500,000 to the Water Rate Stabilization Fund. The proposed transfer will result in Water Rate Stabilization Fund reserves of approximately 25 percent and Water Operation reserves of approximately 25 percent, and would be consistent with financial policy goals.

FISCAL IMPACT

There is no overall impact to the Water Utility Funds as these transfers are within the Water Utility Funds.

ECONOMIC DEVELOPMENT / JOBS CREATED

Not applicable.

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 (CEQA Guidelines §15061(b)(3)). This item is therefore not subject to CEQA.

Respectfully Submitted,

Carol Margetich, Business Services Administrator

Richard Plecker, Environmental Utilities Director



Rob Jensen, City Manager

ATTACHMENTS:

Description

Ordinance No. 5678

Water Ops Fund Budget Adjustment

ORDINANCE NO. 5678

ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE
AUTHORIZING CERTAIN AMENDMENTS TO THE 2015-16
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 2015-16, is hereby amended by transferring appropriation to and from the activities indicated below:

Appropriate funds for Water Operations per request of the Environmental Utilities Department, as listed on the attached Request for Budget Adjustment in the amount of \$3,500,000.00.

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 _____, 20__, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

MAYOR

ATTEST:

City Clerk



REQUEST FOR BUDGET ADJUSTMENT FINANCE DEPARTMENT

Instructions: Complete all necessary fields. Fields marked with an asterisk (*) are mandatory and required for processing. Obtain required approvals and process according to the procedure outlined in:

[A.R. 6.01 Budget Adjustment Policy & Procedure.](#)

For more detailed budget adjustment training information, including examples, please click on the following link:

[Miscellaneous Budget Training Information.](#)

REQUESTER*: Carol Margetich

DEPARTMENT/DIVISION*: Environmental Utilities

FISCAL YEAR/EFFECTIVE DATE*: FY16

PROPOSED COUNCIL DATE (if applicable): 05/04/2016

USE OF FUNDS*						
AMOUNT*	ACCOUNT NUMBER					Account Title/Activity Description*
	GL			JL		
	ORG KEY*	OBJECT*	FUND*	PROJECT	ACTIVITY	
1,000,000	00482	3900	482			Water Rehabilitation Fund
2,500,000	00484	3900	484			Water Rate Stabilization Fund
\$ 3,500,000	TOTAL					

SOURCE OF FUNDS*						
AMOUNT*	ACCOUNT NUMBER					Account Title/Activity Description*
	GL			JL		
	ORG KEY	OBJECT	FUND*	PROJECT	ACTIVITY	
1,000,000	00480	8900	480			Available Funds
2,500,000	00480	8900	480			Available Funds
\$ 3,500,000	TOTAL					

FINANCE USE	Approved: <i>Kathy Cullen</i> 4/5/16 BUDGET MANAGER/DESIGNEE DATE	Comments:
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Justification for Budget Adjustment*:

To move available funds from Water Operations Fund to Water Rehabilitation Fund and Water Rate Stabilization Fund to increase the rehab contribution to the FY15 budgeted level and to work towards EU's Fiscal Policy goal of having reserves of 75% of operations.

Approved: <i>James D. ...</i> REQUESTING DEPARTMENT HEAD / DESIGNEE DATE	Approved: _____ CITY MANAGER DATE
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COUNCIL COMMUNICATION

CC #: 7638
File #: 0600-01

Title: Staffing and Salary Schedule Changes
Contact: Linda Hampton 916-774-5215 lhampton@roseville.ca.us

Meeting Date: 5/4/2016
Item #: 7.26.

RECOMMENDATION TO COUNCIL

Staff recommends adding new classifications and allocations for Housing Manager, Assistant Human Resources Director, Refuse and Stormwater Manager, Environmental Utilities Rate Analyst I/II, Environmental Utilities Business Services Administrator and Water Distribution Superintendent to the Management salary schedule and the citywide allocation schedule to support the City's current business needs. In addition, staff is recommending a salary increase for the Central Services Director due to expanded responsibilities and adding an Administrative Technician allocation to the Public Works department allocation schedule and one Water Distribution Supervisor allocation to the Environmental Utilities allocation schedule. It is recommended that City Council take the following actions:

1. Adopt an ordinance to approve the attached Management A & B salary schedules (Appendix C) reflecting the addition of Housing Manager (3589, B844), Assistant Human Resources Director (0484, B845), Refuse & Stormwater Manager (6244, B846), Environmental Utilities Business Service Administrator (2548, B847), Environmental Utilities Rate Analyst I/II (2546/2547, B848/B849), Water Distribution Superintendent (9085, B850) and the salary adjustment for Central Services Director (1125, B722)) effective May 14, 2016; and
2. Motion to approve the attached city-wide allocation schedule effective May 14, 2016.

BACKGROUND

As part of the Municipal Code, the Human Resources Department is charged with maintaining the City's classification plan. Staff is continually evaluating organizational structure and staffing levels necessary to provide high service levels to the community within the constraints of the budget.

Housing Manager:

Staff is requesting to add the new classification, Housing Manager, to the Management salary schedule. This position will provide oversight of the Housing Division activities with the administration and implementation of housing programs and services including the Housing Choice Voucher (HCV) and Community Development Block Grants (CDBG) programs and funds. The proposed position will actively look for opportunities to increase affordable housing within Roseville and be the lead City liaison and advocate for the homeless. The Economic Development Department is not requesting additional staff at this time and is just seeking to have the classification and salary schedule approved for future staffing.

Administrative Technician:

The Street Maintenance division of the Public Works department is requesting an Administrative Technician allocation. As the department's use of the City's Enterprise Asset Management (EAM) system has grown, there has become a need for an Administrative Technician to work with the consultant to develop the design, the connection between assets and how the City is divided in the system. This position would also develop procedures, maintain systems and report changes to division staff. This position would also serve as a technical resource regarding assigned systems to the division staff. This position will be filled as a promotional opportunity with the resulting vacancy being eliminated. The fiscal salary & benefits impact of \$1,283 can be absorbed in the current Public Works department budget.

Central Services Director:

Staff is recommending a salary adjustment for the Central Services Director. The role of the Central Services Director will be expanded to include taking the lead position in next year's effort to convert the IT and Facilities operations to Internal Service Funds. This will involve accurately identifying the operational and maintenance direct costs (ops and CIP costs) of these functions, removing them from the indirect cost allocation cost plan and allocating them to the appropriate end users via the internal service fund mechanism whereby all city departments pay for services on a real time basis.

In addition, this Director position will now be responsible for the creation of a Capital Replacement Funding and Accounting System for all city assets that need to be replaced on a scheduled basis. This will require identifying the most appropriate policies and best practices to establish the accounting rules. A city wide inventory of all assets, including their purchase price, replacement price, life span and end users will also be required. The fiscal salary & benefits impact of \$1,743 can be absorbed in the current Central Services department budget.

Assistant Human Resources Director:

Over the past several years, labor relations issues and the laws surrounding collective bargaining and the meet and confer process have become more complicated and extremely time intensive. As a result, the Human Resources Department has turned to outside labor relations providers in order to meet the City's interests. The City is interested in bringing some of that work and knowledge in house in the future. In order to employ and retain highly qualified labor relations professionals internally, the Human Resources Department is recommending the addition of an Assistant Human Resources Director position. The position may perform the duties of Chief Negotiator during collective bargaining and will assist in the ongoing daily labor relations activities such as meet and confers with the City's labor unions. The new position will be designated as an unclassified, at-will position and may fill in for the Director of Human Resources in her absence. This position will be filled as a promotional opportunity with the resulting vacancy being eliminated. The fiscal salary & benefits impact of \$3,644 can be absorbed in the current Human Resources department budget.

Refuse and Stormwater Manager

The Environmental Utilities department has restructured the department. As part of this reorganization, the Refuse Utility Manager has recently been assigned stormwater management with respect to the development and implementation of programs and regulatory compliance. With the increase in programmatic responsibilities, it is recommended that a new position be created to address these changes, Refuse and Stormwater Utility Manager. This position will be filled as a promotional opportunity with the resulting vacancy being eliminated. The fiscal salary & benefits impact of \$246 can be absorbed in the current Environmental Utilities department budget.

Environmental Utilities Rate Analyst I/II and Environmental Utilities Business Services Administrator

Staff is requesting the addition of new classifications Environmental Utilities (EU) Rate Analyst I/II and Environmental Utilities Business Services Administrator. The EU department has begun to conduct work that typically was outsourced in the past. The proposed EU Rate Analyst I/II position will be responsible for developing and providing support for the rate case adjustment including performing cost of service analysis, rate design and modeling for the Environmental Utilities Department to include forecasting revenues and rate increases and analyzing current and projected revenues; developing,

maintaining and running models; designing, implementing, modifying and managing databases; assisting with budget preparation; and providing support with respect to studies and analyses related to overall operations. Three allocations are being requested. The proposed EU Business Services Administrator will plan, organize, direct and manage activities assigned to the EU Rate Analysts I/II. These positions will be filled as promotional opportunities with the resulting vacancies being eliminated. The combined fiscal salary & benefits impact of \$870 can be absorbed in the current Environmental Utilities department budget.

Water Distribution Superintendent and Water Distribution Supervisor

As part of reorganization efforts, staff is requesting the new position and allocation of Water Distribution Superintendent and an additional allocation for Water Distribution Supervisor. The current staffing model has 27 FTE (full time equivalent) employees reporting to the Water Distribution Supervisor. In addition to the administrative strain of supervising that many employees, the City's growth has also resulted in additional water distribution infrastructure requiring operations and maintenance. That maintenance requires a supervisor presence that can't be fulfilled with one supervisor. With the field presence demand being met by two supervisors, the addition of the superintendent will provide the division a much-needed position to promulgate new programs like advanced metering infrastructure, meter testing and comprehensive water loss identification. The combined fiscal salary & benefits impact of \$24,714 can be absorbed in the current Environmental Utilities department budget.

FISCAL IMPACT

The proposed changes will result in an annual cost of \$361,608 to the enterprise fund and \$93,392 to the general fund. The fiscal impact can be absorbed in the FY16 budget.

Public Works

From	New Positions	Current Salary & Benefits	Proposed Salary & Benefits	Fiscal Impact
Eliminated Position to be identified at end of promotional recruitment	Administrative Technician	\$ 73,757	\$ 90,439	\$1,283
Total				\$1,283

Central Services

From	New Position/Salary	Current Salary & Benefits	Proposed Salary & Benefits	Fiscal Impact
Central Services Director	Central Services Director	\$ 229,995	\$252,657	\$1,743
Total				\$1,743

Human Resources

From	New Positions	Current Salary & Benefits	Proposed Salary & Benefits	Fiscal Impact
Eliminated Position to be identified at end of promotional recruitment	Assistant HR Director	\$ 172,617	\$219,995	\$ 3,644

Total \$3,644

Environmental Utilities

From	To	Current Salary & Benefits	Proposed Salary & Benefits	Fiscal Impact
Eliminated Position to be identified at end of promotional recruitment	Refuse & Stormwater Utility Manager	\$210,657	\$213,852	\$246
Eliminated Position to be identified at end of promotional recruitment	Environmental Utilities Business Services Administrator	\$175,557	\$177,777	\$171
Three Eliminated Positions to be identified at end of promotional recruitment	Three Environmental Utilities Rate Analyst I/II	\$454,700	\$463,787	\$699
New Position	Water Distribution Supervisor	\$0	\$144,348	\$11,104
New Position	Water Distribution Superintendent	\$0	\$176,929	\$13,610
			Total:	\$25,829

ECONOMIC DEVELOPMENT / JOBS CREATED

Two new jobs will be created by this action.

ENVIRONMENTAL REVIEW

Salary schedule and staffing changes are not considered a “project” as defined by the California Environmental Quality Act (CEQA) (CEQA Guidelines 15378). Consequently no CEQA action is required.

Respectfully Submitted,

Linda Hampton, Senior Human Resources Analyst

Gayle Satchwell, Human Resources Director



Rob Jensen, City Manager

ATTACHMENTS:**Description**

Citywide Allocation Schedule 05-14-16

Ordinance No. 5676

Management A Salary Schedule 5-14-16

Management B Salary Schedule 5-14-16

Position Allocation/Staffing Report
by Department and Location ("Division")

		by Department and Location ("Division")		(Over)/ Under Staffed
PCN	Position Title	Allocated FTE	Staffed FTE	Variance
Department: 20 CITY ATTORNEY				
Div/Loc: 02000 - CITY ATTORNEY				
020000245	ASSISTANT CITY ATTORNEY	1.000	1.000	
020001200	CITY ATTORNEY	1.000	1.000	
020001655	DEPUTY CITY ATTORNEY I	0.000	1.000	(1.000)
020001658	DEPUTY CITY ATTORNEY II	2.000	2.000	
020004094	LEGAL CLERK I (C)	0.000	0.750	(.750)
020004096	LEGAL CLERK II (C)	2.000	1.000	1.000
020005015	PARALEGAL (C)	1.000	1.000	
020007123	SR DEPUTY CITY ATTORNEY	2.000	1.000	1.000
TOTAL FOR LOC/DIV 02000 - CITY ATTORNEY:		9.000	8.750	.250
TOTAL FOR DEPARTMENT 20 - CITY ATTORNEY:		9.000	8.750	.250
Department: 30 CITY MANAGER				
Div/Loc: 01500 - CITY MANAGER - ADMINISTRATION				
015001245	CHIEF FINANCIAL OFFICER	1.000	1.000	
015001240	CITY MANAGER	1.000	1.000	
015002550	EXECUTIVE ASST TO THE CITY MGR	1.000	1.000	
015004457	MANAGEMENT ASSISTANT II	2.000	2.000	
TOTAL FOR LOC/DIV 01500 - CITY MANAGER - ADMINISTRATION:		5.000	5.000	
Div/Loc: 01520 - PUBLIC AFFAIRS & COMMUNICATION				
015203451	GOVERNMENT RELATIONS ADMISTRAT	1.000	1.000	
015205615	PUB AFFAIRS&COMMUNICATN ADMNST	1.000	1.000	
015205610	PUBLIC AFFAIRS-COMMUNIC DIRECT	1.000	1.000	
015205565	PUBLIC INFORMATION OFFICER	1.000	1.000	
TOTAL FOR LOC/DIV 01520 - PUBLIC AFFAIRS & COMMUNICATION:		4.000	4.000	
Div/Loc: 08100 - DEVELOPMENT AND OPS-ADMIN				
081000325	ASSISTANT CITY MANAGER	1.000	1.000	
081002540	ENVIRONMENTAL COORDINATOR	1.000	1.000	
081004457	MANAGEMENT ASSISTANT II	1.000	1.000	
TOTAL FOR LOC/DIV 08100 - DEVELOPMENT AND OPS-ADMIN:		3.000	3.000	
TOTAL FOR DEPARTMENT 30 - CITY MANAGER:		12.000	12.000	
Department: 31 ECONOMIC DEVELOPMENT				
Div/Loc: 08110 - HOUSING ADMIN				
081103318	FINANCIAL ANALYST II	1.000	1.000	
081103402	HOUSING ANALYST II	3.000	0.000	3.000
081103590	HOUSING SUPERVISOR	1.000	1.000	
081103592	HOUSING TECHNICIAN II	3.000	2.900	.100
081104957	OFFICE ASSISTANT II	1.000	0.000	1.000
081107148	SR HOUSING TECHNICIAN	1.000	1.000	
081103401	HOUSING ANALYST I	0.000	2.000	(2.000)
TOTAL FOR LOC/DIV 08110 - HOUSING ADMIN:		10.000	7.900	2.100
Div/Loc: 08123 - ECONOMIC DEVELOPMENT				
081231675	DEVELOPMENT ANALYST II	1.000	1.000	
081231710	ECONOMIC DEVELOPMENT DIRECTOR	1.000	1.000	
081231712	ECONOMIC DEVELOPMENT MANAGER	1.000	1.000	
TOTAL FOR LOC/DIV 08123 - ECONOMIC DEVELOPMENT:		3.000	3.000	
Page:		1	Date: 05/14/2016	
Report: HR_ALLOC_STAFF_DEPT_LOC_ROSEV - HR: Allocation by Department, DivLoc - No Names		Time:		12:27:05

Position Allocation/Staffing Report
by Department and Location ("Division")

PCN	Position Title	Allocated FTE	Staffed FTE	(Over)/ Under Staffed Variance
TOTAL FOR DEPARTMENT 31 - ECONOMIC DEVELOPMENT:		13.000	10.900	2.100
Department: 41 FINANCE				
Div/Loc: 05000 - FINANCE ADMINISTRATION				
050000050	ADMIN ANALYST II	1.000	1.000	
050000071	ADMINISTRATIVE ASSISTANT (C)	1.000	1.000	
050003301	FINANCE DIRECTOR	1.000	1.000	
TOTAL FOR LOC/DIV 05000 - FINANCE ADMINISTRATION:		3.000	3.000	
Div/Loc: 05010 - BUDGET				
050100915	BUDGET ANALYST II	2.750	2.500	.250
050100930	BUDGET MANAGER	1.000	1.000	
TOTAL FOR LOC/DIV 05010 - BUDGET:		3.750	3.500	.250
Div/Loc: 05011 - PAYROLL				
050112900	FINANCE MANAGER	1.000	1.000	
050115103	PAYROLL CLERK II (C)	0.500	0.500	
050115101	PAYROLL TECHNICIAN II	2.000	2.000	
050117141	SR PAYROLL TECHNICIAN	1.000	1.000	
TOTAL FOR LOC/DIV 05011 - PAYROLL:		4.500	4.500	
Div/Loc: 05012 - ACCOUNTS PAYABLE				
050123335	FINANCE CLERK II	2.000	2.000	
050124957	OFFICE ASSISTANT II	0.625	0.625	
050127146	SR FINANCE CLERK	1.000	1.000	
050127147	SR FINANCE TECHNICIAN	1.000	1.000	
TOTAL FOR LOC/DIV 05012 - ACCOUNTS PAYABLE:		4.625	4.625	
Div/Loc: 05030 - CASH MANAGEMENT				
050303335	FINANCE CLERK II	0.500	0.500	
050303326	FINANCE TECHNICIAN II	1.000	1.000	
050303318	FINANCIAL ANALYST II	1.000	1.000	
TOTAL FOR LOC/DIV 05030 - CASH MANAGEMENT:		2.500	2.500	
Div/Loc: 05040 - UTIL BILLING & SERV - ADMIN				
050400920	BILLING SERVICES MANAGER	1.000	1.000	
TOTAL FOR LOC/DIV 05040 - UTIL BILLING & SERV - ADMIN:		1.000	1.000	
Div/Loc: 05041 - UTIL BILLING & SRV-FIELD SRV				
050414540	METER READER	4.500	4.500	
050414534	METER SERVICE WORKER	2.000	1.000	1.000
050414546	METER SERVICES SUPERVISOR	1.000	1.000	
050417200	SR METER SERVICE WORKER	1.000	1.000	
TOTAL FOR LOC/DIV 05041 - UTIL BILLING & SRV-FIELD SRV:		8.500	7.500	1.000
Div/Loc: 05042 - UTIL BILLING & SRV - BILLING				
050423326	FINANCE TECHNICIAN II	4.000	4.000	
050427147	SR FINANCE TECHNICIAN	2.000	2.000	
TOTAL FOR LOC/DIV 05042 - UTIL BILLING & SRV - BILLING:		6.000	6.000	
Div/Loc: 05043 - UTIL BILLING & SRV-SERVICES				
050433335	FINANCE CLERK II	11.750	10.250	1.500
050433310	FINANCE SUPERVISOR	1.000	1.000	
050433326	FINANCE TECHNICIAN II	1.000	1.000	
050437146	SR FINANCE CLERK	1.000	0.000	1.000

Position Allocation/Staffing Report
by Department and Location ("Division")

PCN	Position Title	Allocated FTE	Staffed FTE	(Over)/ Under Staffed Variance
050433334	FINANCE CLERK I	0.000	2.500	(2.500)
TOTAL FOR LOC/DIV 05043 - UTIL BILLING & SRV-SERVICES:		14.750	14.750	
Div/Loc: 05050 - GEN ACCT - ADMINISTRATION				
050500040	ACCOUNTANT II	1.000	1.000	
050500041	ACCOUNTING MANAGER	1.000	1.000	
050500043	ACCOUNTING SUPERVISOR	1.000	1.000	
TOTAL FOR LOC/DIV 05050 - GEN ACCT - ADMINISTRATION:		3.000	3.000	
Div/Loc: 05053 - GEN ACCT - ACCOUNTING				
050533326	FINANCE TECHNICIAN II	1.000	0.000	1.000
050533318	FINANCIAL ANALYST II	2.000	2.000	
TOTAL FOR LOC/DIV 05053 - GEN ACCT - ACCOUNTING:		3.000	2.000	1.000
TOTAL FOR DEPARTMENT 41 - FINANCE:		54.625	52.375	2.250
Department: 42 HUMAN RESOURCES				
Div/Loc: 03100 - HUMAN RESOURCES				
031000071	ADMINISTRATIVE ASSISTANT (C)	1.000	1.000	
031000484	ASST HUMAN RESOURCES DIRECTOR	1.000	0.000	1.000
031003596	HUMAN RESOURCES ANALYST II	1.000	0.000	1.000
031003598	HUMAN RESOURCES DIRECTOR	1.000	1.000	
031003599	HUMAN RESOURCES MANAGER	1.000	1.000	
031005235	HUMAN RESOURCES TECH (C)	6.000	4.000	2.000
031007150	SR HUMAN RESOURCES ANALYST	1.000	1.000	
03100B102	HUMAN RESOURCES TECH (C)	0.000	1.000	(1.000)
TOTAL FOR LOC/DIV 03100 - HUMAN RESOURCES:		12.000	9.000	3.000
Div/Loc: 03110 - RISK MGMT - ADMINISTRATION				
031103620	INSURANCE & CONTRACT TECH	1.000	0.000	1.000
031106450	RISK MANAGER	1.000	1.000	
031107178	SR HUMAN RESOURCES TECH (C)	1.000	1.000	
031105235	HUMAN RESOURCES TECH (C)	0.000	1.000	(1.000)
TOTAL FOR LOC/DIV 03110 - RISK MGMT - ADMINISTRATION:		3.000	3.000	
TOTAL FOR DEPARTMENT 42 - HUMAN RESOURCES:		15.000	12.000	3.000
Department: 43 INFORMATION TECHNOLOGY				
Div/Loc: 03120 - IT-STRAT PLNNG&DIGITAL COMMUN				
031201362	BUSINESS SYSTEMS ANALYST II	1.000	1.000	
031201180	CHIEF INFORMATION OFFICER	1.000	1.000	
031203625	INFO SECURITY ADMINISTRATOR	1.000	1.000	
031203616	IT PLANNING & POLICY TECH	1.000	0.000	1.000
031203602	IT PROGRAM MANAGER	1.000	1.000	
031207130	SR BUSINESS SYSTEMS ANALYST	1.625	1.625	
TOTAL FOR LOC/DIV 03120 - IT-STRAT PLNNG&DIGITAL COMMUN:		6.625	5.625	1.000
Div/Loc: 03121 - IT-DATABASE & CLOUD SOLUTION				
031213794	IT ANALYST II	1.000	1.000	
031213601	IT DIVISION MANAGER	1.000	1.000	
031217145	SR DATABASE ANALYST	1.000	1.000	
TOTAL FOR LOC/DIV 03121 - IT-DATABASE & CLOUD SOLUTION:		3.000	3.000	
Div/Loc: 03122 - IT-NETWORK & INFRASTRUCTURE				

Position Allocation/Staffing Report
by Department and Location ("Division")

PCN	Position Title	Allocated FTE	Staffed FTE	(Over)/ Under Staffed Variance
031223794	IT ANALYST II	6.000	5.000	1.000
031223602	IT PROGRAM MANAGER	1.000	1.000	
031227149	SR IT TECHNICIAN	1.000	1.000	
031223793	IT ANALYST I	0.000	1.000	(1.000)
TOTAL FOR LOC/DIV 03122 - IT-NETWORK & INFRASTRUCTURE:		8.000	8.000	
Div/Loc: 03123 - IT-BUSINESS & CLOUD SOLUTIONS				
031231362	BUSINESS SYSTEMS ANALYST II	5.000	5.000	
031233602	IT PROGRAM MANAGER	1.000	1.000	
TOTAL FOR LOC/DIV 03123 - IT-BUSINESS & CLOUD SOLUTIONS:		6.000	6.000	
Div/Loc: 03124 - IT-GIS & ANALYTICS				
031243794	IT ANALYST II	2.000	2.000	
031243602	IT PROGRAM MANAGER	1.000	1.000	
031247130	SR BUSINESS SYSTEMS ANALYST	1.000	1.000	
TOTAL FOR LOC/DIV 03124 - IT-GIS & ANALYTICS:		4.000	4.000	
Div/Loc: 03125 - IT:CLIENT SERVICES				
031253601	IT DIVISION MANAGER	1.000	1.000	
031253618	IT TECHNICIAN II	3.000	2.000	1.000
031257194	SR IT ANALYST	1.000	1.000	
031257149	SR IT TECHNICIAN	2.000	2.000	
031253617	IT TECHNICIAN I	0.000	1.000	(1.000)
TOTAL FOR LOC/DIV 03125 - IT:CLIENT SERVICES:		7.000	7.000	
Div/Loc: 03126 - IT-ENTERPRISE SOLUTIONS				
031261362	BUSINESS SYSTEMS ANALYST II	4.000	4.000	
031263602	IT PROGRAM MANAGER	1.000	1.000	
TOTAL FOR LOC/DIV 03126 - IT-ENTERPRISE SOLUTIONS:		5.000	5.000	
TOTAL FOR DEPARTMENT 43 - INFORMATION TECHNOLOGY:		39.625	38.625	1.000
Department: 44 CITY CLERK				
Div/Loc: 03200 - CITY CLERK - ADMINISTRATION				
032000250	ASST CITY CLERK	1.000	1.000	
032001220	CITY CLERK	1.000	1.000	
032001227	CITY CLERK TECHNICIAN II	2.000	2.000	
032001665	DEPUTY CITY CLERK II	3.000	3.000	
TOTAL FOR LOC/DIV 03200 - CITY CLERK - ADMINISTRATION:		7.000	7.000	
TOTAL FOR DEPARTMENT 44 - CITY CLERK:		7.000	7.000	
Department: 45 CENTRAL SERVICES				
Div/Loc: 03300 - CENTRAL SERV - ADMINISTRATION				
033000050	ADMIN ANALYST II	1.000	1.000	
033000071	ADMINISTRATIVE ASSISTANT (C)	1.000	1.000	
033001125	CENTRAL SERVICES DIRECTOR	1.000	1.000	
TOTAL FOR LOC/DIV 03300 - CENTRAL SERV - ADMINISTRATION:		3.000	3.000	
Div/Loc: 03311 - PURCHASING				
033110084	ADMIN TECHNICIAN	1.000	0.000	1.000
033111055	BUYER I	0.000	1.000	(1.000)
033111060	BUYER II	3.000	2.000	1.000
033115652	PURCHASING & WAREHOUSE MANAGER	1.000	1.000	

Position Allocation/Staffing Report
by Department and Location ("Division")

PCN	Position Title	Allocated FTE	Staffed FTE	(Over)/ Under Staffed Variance
03311B402	ADMINISTRATIVE TECHNICIAN	0.000	1.000	(1.000)
TOTAL FOR LOC/DIV 03311 - PURCHASING:		5.000	5.000	
Div/Loc: 03312 - CENTRAL STORES				
033121450	COURIER	1.000	1.000	
033127203	SR WAREHOUSE WORKER	1.000	1.000	
033128952	WAREHOUSE WORKER II	1.000	1.000	
TOTAL FOR LOC/DIV 03312 - CENTRAL STORES:		3.000	3.000	
Div/Loc: 03321 - AUTOMOTIVE SERVICES				
033212565	EQUIPMENT MAINT. SUPERVISOR	1.000	1.000	
033212560	EQUIPMENT SERVICEWORKER	4.000	4.000	
033213392	FLEET MANAGER	1.000	1.000	
033214501	MECHANIC II	8.000	5.000	3.000
033214957	OFFICE ASSISTANT II	1.000	1.000	
033217189	SR MECHANIC	2.000	2.000	
033218938	VEHICLE MAINT PARTS BUYER	1.000	0.000	1.000
033218940	VEHICLE MAINT SERVICEWRITER	1.000	1.000	
033218952	WAREHOUSE WORKER II	1.000	1.000	
033214500	MECHANIC I	0.000	2.000	(2.000)
TOTAL FOR LOC/DIV 03321 - AUTOMOTIVE SERVICES:		20.000	18.000	2.000
Div/Loc: 03322 - AUTO REPLACEMENT				
033223319	FLEET MANAGEMENT TECHNICIAN	1.000	0.000	1.000
TOTAL FOR LOC/DIV 03322 - AUTO REPLACEMENT:		1.000	0.000	1.000
Div/Loc: 03331 - BUILDING MAINTENANCE				
033311032	BLDG MAINTENANCE WORKER II	4.000	4.000	
033313395	FACILITIES MANAGER	1.000	1.000	
033314957	OFFICE ASSISTANT II	0.750	0.662	.087
033315560	PROJECT COORDINATOR	1.000	1.000	
033317119	SR BUILDING MAINTENANCE WORKER	2.000	2.000	
TOTAL FOR LOC/DIV 03331 - BUILDING MAINTENANCE:		8.750	8.662	.087
Div/Loc: 03332 - JANITORIAL				
033321485	CUSTODIAN	5.000	5.000	
033327144	SR CUSTODIAN	1.000	1.000	
TOTAL FOR LOC/DIV 03332 - JANITORIAL:		6.000	6.000	
TOTAL FOR DEPARTMENT 45 - CENTRAL SERVICES:		46.750	43.662	3.087

Department: 50 POLICE

Div/Loc: 05500 - POLICE - ADMINISTRATION

055000050	ADMIN ANALYST II	1.000	1.000	
055000071	ADMINISTRATIVE ASSISTANT (C)	1.000	1.000	
055000510	ASSISTANT POLICE CHIEF	1.000	1.000	
055005400	POLICE CAPTAIN	2.000	2.000	
055005410	POLICE CHIEF	1.000	1.000	
055005420	POLICE LIEUTENANT	1.000	1.000	
055005430	POLICE OFFICER	1.000	1.000	
055005440	POLICE RECORDS CLERK II	1.000	1.000	
055005470	POLICE SERGEANT	1.000	1.000	
TOTAL FOR LOC/DIV 05500 - POLICE - ADMINISTRATION:		10.000	10.000	

Div/Loc: 05511 - RECORDS-PROPERTY

Position Allocation/Staffing Report
by Department and Location ("Division")

PCN	Position Title	Allocated FTE	Staffed FTE	(Over)/ Under Staffed Variance
055115434	POLICE PROP & EVIDENCE CLRK II	3.000	1.000	2.000
055115429	POLICE PROPERTY & EVIDENCE SUP	1.000	1.000	
055115435	POLICE RECORDS CLERK I	0.000	2.000	(2.000)
055115440	POLICE RECORDS CLERK II	8.000	4.000	4.000
055115494	POLICE SCENE TECHNICIAN II	4.000	3.000	1.000
055115489	POLICE SERVICES ADMINISTRATOR	1.000	1.000	
055115748	RECORDS SUPERVISOR	1.000	1.000	
055115433	POLICE PROP & EVIDENCE CLRK I	0.000	1.000	(1.000)
055115492	POLICE SCENE TECHNICIAN I	0.000	1.000	(1.000)
05511B929	POLICE RECORDS CLERK I	0.000	1.000	(1.000)
TOTAL FOR LOC/DIV 05511 - RECORDS-PROPERTY:		18.000	16.000	2.000
Div/Loc: 05513 - POLICE COMMUNICATIONS				
055131430	COMMUNICATIONS SUPERVISOR	3.000	3.000	
055131700	DISPATCHER II	19.500	16.500	3.000
055135489	POLICE SERVICES ADMINISTRATOR	1.000	1.000	
05513B923	DISPATCHER I	0.000	1.000	(1.000)
TOTAL FOR LOC/DIV 05513 - POLICE COMMUNICATIONS:		23.500	21.500	2.000
Div/Loc: 05514 - COMMUNITY SERVICES				
055141645	DEPT PUBLIC INFO OFFICER	1.000	1.000	
055145430	POLICE OFFICER	6.000	5.000	1.000
055145440	POLICE RECORDS CLERK II	1.000	0.000	1.000
055145470	POLICE SERGEANT	1.000	1.000	
055145485	POLICE SOCIAL SVCS ADMINSTR	1.000	1.000	
055145654	PUB SAFETY OUTREACH & COMM REL	1.000	1.000	
055145657	PUBLIC SAFETY PROGRAM COORD	1.000	1.000	
TOTAL FOR LOC/DIV 05514 - COMMUNITY SERVICES:		12.000	10.000	2.000
Div/Loc: 05531 - PATROL				
055311380	COMMUNITY SVCS OFFICER II	7.000	7.000	
055315420	POLICE LIEUTENANT	3.000	3.000	
055315430	POLICE OFFICER	73.000	69.000	4.000
055315432	POLICE OFFICER TRAINEE	0.000	2.000	(2.000)
055315470	POLICE SERGEANT	9.000	8.000	1.000
055315710	RANGEMASTER	1.000	1.000	
TOTAL FOR LOC/DIV 05531 - PATROL:		93.000	90.000	3.000
Div/Loc: 05532 - INVESTIGATIONS				
055321380	COMMUNITY SVCS OFFICER II	2.000	2.000	
055321475	CRIME ANALYST	2.000	2.000	
055325420	POLICE LIEUTENANT	1.000	1.000	
055325430	POLICE OFFICER	17.000	21.000	(4.000)
055325440	POLICE RECORDS CLERK II	2.000	1.000	1.000
055325470	POLICE SERGEANT	2.000	3.000	(1.000)
TOTAL FOR LOC/DIV 05532 - INVESTIGATIONS:		26.000	30.000	(4.000)
Div/Loc: 05533 - ANIMAL CONTROL				
055330100	ANIMAL CONTROL OFFICER	2.000	2.000	
055330110	ANIMAL CONTROL SUPERVISOR	1.000	1.000	
TOTAL FOR LOC/DIV 05533 - ANIMAL CONTROL:		3.000	3.000	
Div/Loc: 05535 - POLICE TRAFFIC				
055351380	COMMUNITY SVCS OFFICER II	2.000	1.000	1.000
055355420	POLICE LIEUTENANT	1.000	1.000	
055355430	POLICE OFFICER	7.000	5.000	2.000

Position Allocation/Staffing Report
by Department and Location ("Division")

PCN	Position Title	Allocated FTE	Staffed FTE	(Over)/ Under Staffed Variance
055355470	POLICE SERGEANT	1.000	1.000	
	TOTAL FOR LOC/DIV 05535 - POLICE TRAFFIC:	11.000	8.000	3.000
	TOTAL FOR DEPARTMENT 50 - POLICE:	196.500	188.500	8.000
Department: 60 FIRE				
Div/Loc: 06000 - FIRE - ADMINISTRATION				
060000071	ADMINISTRATIVE ASSISTANT (C)	1.000	1.000	
060003330	FIRE CHIEF	1.000	1.000	
060003389	FIRE TECHNICIAN II	1.000	1.000	
060004957	OFFICE ASSISTANT II	1.000	1.000	
060005654	PUB SAFETY OUTREACH & COMM REL	0.500	0.000	.500
	TOTAL FOR LOC/DIV 06000 - FIRE - ADMINISTRATION:	4.500	4.000	.500
Div/Loc: 06011 - FIRE PREVENTION				
060111645	DEPT PUBLIC INFO OFFICER	1.000	1.000	
060113377	FIRE & ENVIR SAFETY INSPEC II	1.000	2.000	(1.000)
060113332	FIRE DIVISION CHIEF	1.000	1.000	
060113382	FIRE INSPECTION SUPERVISOR	2.000	2.000	
060113385	FIRE INSPECTOR II	2.000	1.000	1.000
060113454	HAZARDOUS MATERIALS INSPECTOR	1.000	1.000	
	TOTAL FOR LOC/DIV 06011 - FIRE PREVENTION:	8.000	8.000	
Div/Loc: 06021 - FIRE OPERATIONS				
060210480	ASST FIRE CHIEF	1.000	1.000	
060213391	FIRE BATTALLION CHIEF (8HR)	1.000	1.000	
060210905	FIRE BATTALION CHIEF	3.000	3.000	
060213320	FIRE CAPTAIN	30.000	29.000	1.000
060213340	FIRE ENGINEER	30.000	30.000	
060213355	FIREFIGHTER PARAMEDIC II	36.000	26.000	10.000
060213353	FIREFIGHTER PARAMEDIC I	0.000	5.000	(5.000)
	TOTAL FOR LOC/DIV 06021 - FIRE OPERATIONS:	101.000	95.000	6.000
Div/Loc: 06022 - FIRE TRAINING				
060222415	EMS QUAL ASSURANCE COORDINATOR	1.000	1.000	
060223391	FIRE BATTALLION CHIEF (8HR)	1.000	1.000	
	TOTAL FOR LOC/DIV 06022 - FIRE TRAINING:	2.000	2.000	
Div/Loc: 06025 - FIRE LOGISTICS				
060250050	ADMINISTRATIVE ANALYST II	1.000	1.000	
060250480	ASST FIRE CHIEF	1.000	1.000	
060253412	GIS ANALYST II	1.000	1.000	
	TOTAL FOR LOC/DIV 06025 - FIRE LOGISTICS:	3.000	3.000	
Div/Loc: 06040 - EMERGENCY PREPAREDNESS				
060403332	FIRE DIVISION CHIEF	1.000	1.000	
	TOTAL FOR LOC/DIV 06040 - EMERGENCY PREPAREDNESS:	1.000	1.000	
	TOTAL FOR DEPARTMENT 60 - FIRE:	119.500	113.000	6.500
Department: 71 PARKS AND RECREATION				
Div/Loc: 08500 - PARKS & REC - ADMINISTRATION				
085000084	ADMIN TECHNICIAN	1.000	1.000	
085000050	ADMINISTRATIVE ANALYST II	1.000	1.000	

Position Allocation/Staffing Report
by Department and Location ("Division")

PCN	Position Title	Allocated FTE	Staffed FTE	(Over)/ Under Staffed Variance
085000071	ADMINISTRATIVE ASSISTANT (C)	1.000	1.000	
085004517	MARKET & COMMUNICATIONS ANA II	1.000	1.000	
085005010	PARKS,REC & LIB BUS ADMINISTR	1.000	1.000	
085005082	PARKS,REC & LIBRARIES DIRECTOR	1.000	1.000	
TOTAL FOR LOC/DIV 08500 - PARKS & REC - ADMINISTRATION:		6.000	6.000	
Div/Loc: 08501 - PARK DEVELOPMENT				
085015022	PARK DEVELOPMENT ANALYST II	1.000	1.000	
085015024	PARK PLANNING & DEV SUPERINTEN	1.000	1.000	
085017192	SR PARKS MAINTENANCE WORKER	1.000	1.000	
TOTAL FOR LOC/DIV 08501 - PARK DEVELOPMENT:		3.000	3.000	
Div/Loc: 08505 - RECREATION STAFFING				
085051401	COMMUNITY RELATIONS ANALYST	1.000	1.000	
085054957	OFFICE ASSISTANT II	4.000	1.000	3.000
085056122	RECREATION COORDINATOR II	6.000	5.000	1.000
085056125	RECREATION MANAGER	1.000	1.000	
085056145	RECREATION SUPERINTENDENT	3.000	3.000	
085056147	RECREATION SUPERVISOR	3.000	3.000	
085054956	OFFICE ASSISTANT I	0.000	3.000	(3.000)
08505B502	RECREATION COORDINATOR II	0.000	1.000	(1.000)
TOTAL FOR LOC/DIV 08505 - RECREATION STAFFING:		18.000	18.000	
Div/Loc: 08521 - MAIDU MUSEUM & HISTORIC SITE				
085213732	INTERPRETIVE SRVCS SPECIAL II	1.000	0.000	1.000
085213740	INTERPRETIVE SRVCS SUPERVISOR	1.000	1.000	
085214957	OFFICE ASSISTANT II	1.000	1.000	
085213730	INTERPRETIVE SRVCS SPECIALST I	0.000	1.000	(1.000)
TOTAL FOR LOC/DIV 08521 - MAIDU MUSEUM & HISTORIC SITE:		3.000	3.000	
Div/Loc: 08530 - AQUATICS				
085305080	PARKS MAINTENANCE WORKER II	1.000	0.000	1.000
085305070	PARKS MAINTENANCE WORKER I	0.000	1.000	(1.000)
TOTAL FOR LOC/DIV 08530 - AQUATICS:		1.000	1.000	
Div/Loc: 08541 - ADVENTURE CLUBS				
085410376	ASSISTANT CHILD CARE SITE COOR	4.000	2.000	2.000
085411225	CHILD CARE SITE COORDINATOR	13.000	13.000	
085414957	OFFICE ASSISTANT II	1.000	1.000	
085415045	PARKS, REC, & LIBRARIES TECH	1.000	0.000	1.000
085416147	RECREATION SUPERVISOR	3.000	2.000	1.000
085410084	ADMIN TECHNICIAN	0.000	1.000	(1.000)
TOTAL FOR LOC/DIV 08541 - ADVENTURE CLUBS:		22.000	19.000	3.000
Div/Loc: 08545 - AFTER SCHOOL EDUCATION SAFETY				
085451225	CHILD CARE SITE COORDINATOR	2.000	2.000	
TOTAL FOR LOC/DIV 08545 - AFTER SCHOOL EDUCATION SAFETY:		2.000	2.000	
Div/Loc: 08546 - CDE-CHILD DEVELOPMENT				
085461225	CHILD CARE SITE COORDINATOR	2.000	2.000	
TOTAL FOR LOC/DIV 08546 - CDE-CHILD DEVELOPMENT:		2.000	2.000	
Div/Loc: 08550 - PARK OPERATIONS - ADMIN				
085504957	OFFICE ASSISTANT II	1.000	1.000	
085505090	PARKS SUPERINTENDENT	1.000	1.000	
085505069	PARKS SUPERVISOR	3.000	2.000	1.000

Position Allocation/Staffing Report
by Department and Location ("Division")

PCN	Position Title	Allocated FTE	Staffed FTE	(Over)/ Under Staffed Variance
085505045	PARKS, REC, & LIBRARIES TECH	1.000	1.000	
TOTAL FOR LOC/DIV 08550 - PARK OPERATIONS - ADMIN:		6.000	5.000	1.000
Div/Loc: 08551 - OPEN SPACE/TREE MAINTENANCE				
085514862	NATURAL RESOURCES TECHNICIAN	1.000	1.000	
085514872	NATURAL RESOURCES WORKER II	1.000	0.000	1.000
085514960	OPEN SPACE SUPERINTENDENT	1.000	1.000	
085517154	SR NATURAL RESOURCES WORKER	1.000	1.000	
085517201	SR TREE TRIMMER	1.000	0.000	1.000
085518310	TREE TRIMMER	1.000	1.000	
085518762	URBAN FORESTER	1.000	1.000	
TOTAL FOR LOC/DIV 08551 - OPEN SPACE/TREE MAINTENANCE:		7.000	5.000	2.000
Div/Loc: 08555 - PARKS - MAINTENANCE				
085555075	IRRIGATION TECHNICIAN	1.000	1.000	
085555070	PARKS MAINTENANCE WORKER I	0.000	3.000	(3.000)
085555080	PARKS MAINTENANCE WORKER II	18.000	15.000	3.000
085557192	SR PARKS MAINTENANCE WORKER	9.000	9.000	
TOTAL FOR LOC/DIV 08555 - PARKS - MAINTENANCE:		28.000	28.000	
TOTAL FOR DEPARTMENT 71 - PARKS AND RECREATION:		98.000	92.000	6.000
Department: 72 LIBRARY				
Div/Loc: 06500 - LIBRARY - ADMIN/TECH SERVICES				
065001224	CITY LIBRARIAN	1.000	1.000	
065004152	LIBRARIAN II	7.500	6.500	1.000
065004210	LIBRARY ASSISTANT II	7.000	6.000	1.000
065004246	LIBRARY SUPERVISOR	4.000	4.000	
065004250	LIBRARY TECHNICIAN	5.000	5.000	
065004151	LIBRARIAN I	0.000	1.000	(1.000)
TOTAL FOR LOC/DIV 06500 - LIBRARY - ADMIN/TECH SERVICES:		24.500	23.500	1.000
TOTAL FOR DEPARTMENT 72 - LIBRARY:		24.500	23.500	1.000
TOTAL FOR DEPARTMENT 80 - DEVELOPMENT AND OPERATIONS:		0.000	0.000	
TOTAL FOR DEPARTMENT 82 - PLANNING,REDEVELOPMENT,HOUSING:		0.000	0.000	
Department: 83 PUBLIC WORKS				
Div/Loc: 08300 - PUBLIC WORKS - ADMINISTRATION				
083000071	ADMINISTRATIVE ASSISTANT (C)	1.000	1.000	
083005635	PUBLIC WORKS DIRECTOR	1.000	1.000	
TOTAL FOR LOC/DIV 08300 - PUBLIC WORKS - ADMINISTRATION:		2.000	2.000	
Div/Loc: 08320 - ENGINEERING				
083200084	ADMIN TECHNICIAN	1.000	1.000	
083200820	ASSOC ENGINEER	3.000	3.000	
083200338	ASST ENGINEER	8.000	6.000	2.000
083203792	JR ENGINEER	0.000	2.000	(2.000)
083205514	PRINCIPAL ENGINEER	1.000	1.000	
083207142	SR ENGINEER	2.750	2.750	
TOTAL FOR LOC/DIV 08320 - ENGINEERING:		15.750	15.750	
Div/Loc: 08321 - FLOOD ALERT				

Position Allocation/Staffing Report
by Department and Location ("Division")

PCN	Position Title	Allocated FTE	Staffed FTE	(Over)/ Under Staffed Variance
083210338	ASST ENGINEER	1.000	1.000	
	TOTAL FOR LOC/DIV 08321 - FLOOD ALERT:	1.000	1.000	
Div/Loc: 08335 - TRAFFIC SIGNALS				
083352380	ELECTRONICS TECHNICIAN I	0.000	1.000	(1.000)
083352385	ELECTRONICS TECHNICIAN II	5.000	4.000	1.000
083355519	PREVENTATIVE MAINT SUPERVISOR	1.000	1.000	
083357170	SR ELECTRIC TECHNICIAN	1.000	1.000	
083352376	TRAFFIC SIGNAL MAINT WKR II	1.000	0.000	1.000
083352375	TRAFFIC SIGNAL MAINT WKR I	0.000	1.000	(1.000)
	TOTAL FOR LOC/DIV 08335 - TRAFFIC SIGNALS:	8.000	8.000	
Div/Loc: 08340 - STREETS - ADMINISTRATION				
083400084	ADMINISTRATIVE TECHNICIAN	1.000	0.000	1.000
083404957	OFFICE ASSISTANT II	2.000	2.000	
083407522	STREET MAINTENANCE SUPERVISOR	3.000	3.000	
083407520	STREET MAINTENANCE SUPT	1.000	1.000	
	TOTAL FOR LOC/DIV 08340 - STREETS - ADMINISTRATION:	7.000	6.000	1.000
Div/Loc: 08342 - STREET DRAINAGE				
083427187	SR STREET MAINTENANCE WORKER	1.000	1.000	
083427530	STREET MAINTENANCE WORKER II	1.000	1.000	
	TOTAL FOR LOC/DIV 08342 - STREET DRAINAGE:	2.000	2.000	
Div/Loc: 08343 - PAVING				
083437162	SR ENGINEERING TECHNICIAN	1.000	0.000	1.000
083437187	SR STREET MAINTENANCE WORKER	2.000	2.000	
083437525	STREET MAINTENANCE WORKER I	0.000	1.000	(1.000)
083437530	STREET MAINTENANCE WORKER II	11.000	9.000	2.000
	TOTAL FOR LOC/DIV 08343 - PAVING:	14.000	12.000	2.000
Div/Loc: 08344 - STREET SIGNS				
083447187	SR STREET MAINTENANCE WORKER	1.000	1.000	
083447530	STREET MAINTENANCE WORKER II	2.000	1.000	1.000
	TOTAL FOR LOC/DIV 08344 - STREET SIGNS:	3.000	2.000	1.000
Div/Loc: 08345 - STREET PAINT				
083457187	SR STREET MAINTENANCE WORKER	1.000	0.000	1.000
083457530	STREET MAINTENANCE WORKER II	2.000	1.000	1.000
	TOTAL FOR LOC/DIV 08345 - STREET PAINT:	3.000	1.000	2.000
Div/Loc: 08348 - STREET SWEEPING				
083487187	SR STREET MAINTENANCE WORKER	1.000	1.000	
083487530	STREET MAINTENANCE WORKER II	1.000	0.000	1.000
083487540	STREET SWEEPER OPERATOR	4.000	4.000	
083487525	STREET MAINTENANCE WORKER I	0.000	1.000	(1.000)
	TOTAL FOR LOC/DIV 08348 - STREET SWEEPING:	6.000	6.000	
Div/Loc: 08350 - TRANSPORTATION-ADMIN				
083500084	ADMIN TECHNICIAN	1.000	1.000	
083500088	ALTERNATIVE TRANSP ANALYST II	1.000	1.000	
083500090	ALTERNATIVE TRANSP MGR	1.000	1.000	
083503318	FINANCIAL ANALYST II	1.000	0.000	1.000
083504957	OFFICE ASSISTANT II	1.750	0.000	1.750
083503316	FINANCIAL ANALYST I	0.000	1.000	(1.000)
083504956	OFFICE ASSISTANT I	0.000	1.000	(1.000)

Position Allocation/Staffing Report
by Department and Location ("Division")

PCN	Position Title	Allocated FTE	Staffed FTE	(Over)/ Under Staffed Variance
TOTAL FOR LOC/DIV 08350 - TRANSPORTATION-ADMIN:		5.750	5.000	.750
Div/Loc: 08352 - TRANSPORTATION				
083520088	ALTERNATIVE TRANSP ANALYST II	1.750	1.750	
083520338	ASST ENGINEER	1.000	0.000	1.000
083524517	MARKET & COMMUNICATIONS ANA II	1.000	1.000	
083524957	OFFICE ASSISTANT II	0.750	0.750	
TOTAL FOR LOC/DIV 08352 - TRANSPORTATION:		4.500	3.500	1.000
Div/Loc: 08354 - CTSA				
083541401	COMMUNITY RELATIONS ANALYST	0.500	0.500	
TOTAL FOR LOC/DIV 08354 - CTSA:		0.500	0.500	
TOTAL FOR DEPARTMENT 83 - PUBLIC WORKS:		72.500	64.750	7.750
Department: 84 ENVIRONMENTAL UTILITIES				
Div/Loc: 08400 - ENV UTIL - ADMINISTRATION				
084000050	ADMIN ANAYLST II	2.750	2.750	
084000071	ADMINISTRATIVE ASSISTANT (C)	1.000	1.000	
084001050	BUSINESS SVCS ADMINISTRATOR	1.000	1.000	
084001645	DEPT PUBLIC INFO OFFICER	1.000	1.000	
084001684	ENVIRONMENTAL UTIL. DIRECTOR	1.000	1.000	
084002548	EU BUSINESS ADMINISTRATOR	1.000	0.000	1.000
084002547	EU RATE ANALYST II	3.000	0.000	3.000
TOTAL FOR LOC/DIV 08400 - ENV UTIL - ADMINISTRATION:		10.750	6.750	4.000
Div/Loc: 08402 - EU ASSET MANAGEMENT				
084020084	ADMIN TECHNICIAN	1.000	1.000	
084025533	PREVENTATIVE MAINTENANCE COORD	1.000	1.000	
084025514	PRINCIPAL ENGINEER	1.000	1.000	
TOTAL FOR LOC/DIV 08402 - EU ASSET MANAGEMENT:		3.000	3.000	
Div/Loc: 08405 - ENV UTIL-ENGINEERING				
084050411	ASSISTANT EU DIRECTOR	1.000	1.000	
084050820	ASSOC ENGINEER	3.000	2.000	1.000
084050338	ASST ENGINEER	1.000	2.000	(1.000)
084051434	CONSTRUCTION INSPECTOR II	2.000	1.000	1.000
084051672	DEVELOPMENT TECHNICIAN II	1.000	1.000	
084051350	ENGINEERING TECHNICIAN II	2.000	1.000	1.000
084053412	GIS ANALYST II	2.000	1.000	1.000
084054509	MAPPING SUPERVISOR	1.000	1.000	
084054957	OFFICE ASSISTANT II	1.000	1.000	
084055514	PRINCIPAL ENGINEER	1.000	1.000	
084056500	SAFETY COORDINATOR	1.000	1.000	
084057121	SR CONSTRUCTION INSPECTOR	1.000	1.000	
084057142	SR ENGINEER	3.000	3.000	
TOTAL FOR LOC/DIV 08405 - ENV UTIL-ENGINEERING:		20.000	17.000	3.000
Div/Loc: 08410 - SOLID WASTE - ADMINISTRATION				
084103335	FINANCE CLERK II	2.000	1.000	1.000
084104957	OFFICE ASSISTANT II	1.000	0.000	1.000
084106244	REFUSE & STORMWATER MANAGER	1.000	0.000	1.000
084106231	REFUSE SUPERINTENDENT	1.000	1.000	
084106242	REFUSE UTILITY MANAGER	1.000	1.000	
084107324	SOLID WASTE BILLING TECHNICIAN	1.000	1.000	

Position Allocation/Staffing Report
by Department and Location ("Division")

PCN	Position Title	Allocated FTE	Staffed FTE	(Over)/ Under Staffed Variance
084103334	FINANCE CLERK I	0.000	1.000	(1.000)
084104956	OFFICE ASSISTANT I	0.000	1.000	(1.000)
TOTAL FOR LOC/DIV 08410 - SOLID WASTE - ADMINISTRATION:		7.000	6.000	1.000
Div/Loc: 08411 - RESIDENTIAL SOLID WASTE PICKUP				
084116235	REFUSE SUPERVISOR	1.000	1.000	
084116302	REFUSE TRUCK DRIVER I	0.000	1.000	(1.000)
084116304	REFUSE TRUCK DRIVER II	11.000	10.000	1.000
084117129	SR REFUSE TRUCK DRIVER	2.000	2.000	
TOTAL FOR LOC/DIV 08411 - RESIDENTIAL SOLID WASTE PICKUP:		14.000	14.000	
Div/Loc: 08412 - COMMERCIAL SOLID WASTE PICKUP				
084126235	REFUSE SUPERVISOR	1.000	1.000	
084126302	REFUSE TRUCK DRIVER I	0.000	4.000	(4.000)
084126304	REFUSE TRUCK DRIVER II	16.000	11.000	5.000
084127129	SR REFUSE TRUCK DRIVER	2.000	2.000	
TOTAL FOR LOC/DIV 08412 - COMMERCIAL SOLID WASTE PICKUP:		19.000	18.000	1.000
Div/Loc: 08413 - SOLID WASTE MAINTENANCE				
084136225	REFUSE MAINT. WORKER I	0.000	1.000	(1.000)
084136226	REFUSE MAINT. WORKER II	4.000	3.000	1.000
084137129	SR REFUSE TRUCK DRIVER	1.000	1.000	
TOTAL FOR LOC/DIV 08413 - SOLID WASTE MAINTENANCE:		5.000	5.000	
Div/Loc: 08415 - RECYCLING				
084156304	REFUSE TRUCK DRIVER II	3.000	3.000	
TOTAL FOR LOC/DIV 08415 - RECYCLING:		3.000	3.000	
Div/Loc: 08416 - GREEN WASTE PROGRAM				
084166302	REFUSE TRUCK DRIVER I	0.000	1.000	(1.000)
084166304	REFUSE TRUCK DRIVER II	4.000	3.000	1.000
084167129	SR REFUSE TRUCK DRIVER	1.000	1.000	
TOTAL FOR LOC/DIV 08416 - GREEN WASTE PROGRAM:		5.000	5.000	
Div/Loc: 08420 - WASTEWATER - ADMINISTRATION				
084205514	PRINCIPAL ENGINEER	1.000	1.000	
084207142	SR ENGINEER	1.000	1.000	
084209045	WSTWTR UTILITY MANAGER	1.000	1.000	
TOTAL FOR LOC/DIV 08420 - WASTEWATER - ADMINISTRATION:		3.000	3.000	
Div/Loc: 08421 - WATER TREATMENT/STORAGE				
084219175	WATER TRMT PLT CHIEF OPERATOR	1.000	1.000	
084219234	WATER TRMT PLT OPR GD II 8HR	1.000	0.000	1.000
084219230	WATER TRMT PLT OPR GRD III 24	4.000	4.000	
08421B535	WATER TRMT PLT OPR GD I 8HR	0.000	1.000	(1.000)
TOTAL FOR LOC/DIV 08421 - WATER TREATMENT/STORAGE:		6.000	6.000	
Div/Loc: 08422 - DRY CREEK WWTP				
084224957	OFFICE ASSISTANT II	1.000	1.000	
084229010	WSTWTR TRMT PLT OPR GD II	2.000	1.000	1.000
084229020	WSTWTR TRMT PLT OPR GD III 24H	4.000	4.000	
084229030	WSTWTR TRMT PLT OPR IV	1.000	1.000	
084229025	WSTWTR TRMT PLT OPR GD III	0.000	1.000	(1.000)
TOTAL FOR LOC/DIV 08422 - DRY CREEK WWTP:		8.000	8.000	
Div/Loc: 08424 - ENVIRONMENTAL UTIL-MAINTENANCE				

Position Allocation/Staffing Report
by Department and Location ("Division")

PCN	Position Title	Allocated FTE	Staffed FTE	(Over)/ Under Staffed Variance
084242378	ELECTRONIC MAINT COORDINATOR	1.000	1.000	
084242385	ELECTRONICS TECHNICIAN II	4.000	4.000	
084244520	MATERIALS TECHNICIAN	1.000	1.000	
084245319	PLANT & EQUIPMENT MAINT WOR II	1.000	2.000	(1.000)
084245328	PLANT & EQUIPMENT MECHANIC II	5.000	3.000	2.000
084245402	PREDICTIVE MAINTENANCE TECH II	1.000	1.000	
084245519	PREVENTATIVE MAINT SUPERVISOR	1.000	1.000	
084245502	PREVENTATIVE MAINT TECH II	5.000	3.000	2.000
084245533	PREVENTATIVE MAINTENANCE COORD	2.000	2.000	
084247020	SCADA SYSTEM TECHNICIAN	2.000	2.000	
084247205	SR PLANT & EQUIPMENT MECHANIC	1.000	1.000	
084247284	SR PREVENTATIVE MAINT TECH	2.000	2.000	
084245327	PLANT & EQUIPMENT MECHANIC I	0.000	2.000	(2.000)
TOTAL FOR LOC/DIV 08424 - ENVIRONMENTAL UTIL-MAINTENANCE:		26.000	25.000	1.000
Div/Loc: 08425 - INDUSTRIAL TREATMENT				
084253604	INDUSTRIAL WASTE SPECIALIST	1.000	0.000	1.000
084253610	INDUSTRIAL WASTE TECHNICIAN	1.000	1.000	
TOTAL FOR LOC/DIV 08425 - INDUSTRIAL TREATMENT:		2.000	1.000	1.000
Div/Loc: 08426 - ENVIRONMENTAL TREATMENT LAB				
084261548	DATA MANAGEMENT SPECIALIST II	1.000	1.000	
084262541	EU COMPLIANCE ADMINISTRATOR	1.000	1.000	
084264020	LABORATORY TECHNICIAN II	4.000	4.000	
084269101	WATER QUALITY LAB SUPERVISOR	1.000	1.000	
TOTAL FOR LOC/DIV 08426 - ENVIRONMENTAL TREATMENT LAB:		7.000	7.000	
Div/Loc: 08427 - PLEASANT GROVE WWTP				
084274957	OFFICE ASSISTANT II	1.000	1.000	
084279040	WSTWTR TRMT PLT CHIEF OPERATOR	1.000	1.000	
084279025	WSTWTR TRMT PLT OPR GD III	4.000	3.000	1.000
TOTAL FOR LOC/DIV 08427 - PLEASANT GROVE WWTP:		6.000	5.000	1.000
Div/Loc: 08430 - WATER - ADMINISTRATION				
084309244	WATER UTILITY MANAGER	1.000	1.000	
TOTAL FOR LOC/DIV 08430 - WATER - ADMINISTRATION:		1.000	1.000	
Div/Loc: 08431 - WATER DISTRIBUTION				
084314957	OFFICE ASSISTANT II	3.000	3.000	
084317204	SR WATER DISTRIBUTION WORKER	4.000	4.000	
084319084	WATER DISTRIBUTION SUPERVISOR	2.000	1.000	1.000
084319085	WATER DISTRIBUTION SUPT	1.000	0.000	1.000
084319248	WATER DISTRIBUTION WORKER II	23.000	20.000	3.000
TOTAL FOR LOC/DIV 08431 - WATER DISTRIBUTION:		33.000	28.000	5.000
Div/Loc: 08432 - WASTEWATER COLLECTION				
084323610	INDUSTRIAL WASTE TECHNICIAN	1.000	1.000	
084324957	OFFICE ASSISTANT II	1.000	0.000	1.000
084327202	SR WSTWTR UTILITY MAINT WKR	4.000	4.000	
084328980	WSTWTR COLLECTION SUPT	1.000	1.000	
084328978	WSTWTR COLLECTION SUPV	1.000	1.000	
084329027	WSTWTR UTILITY MAINT WKR I	0.000	3.000	(3.000)
084329029	WSTWTR UTILITY MAINT WKR II	22.000	17.000	5.000
084324956	OFFICE ASSISTANT I	0.000	1.000	(1.000)
08432B254	WSTWTR UTILITY MAINT WKR I	0.000	1.000	(1.000)

Position Allocation/Staffing Report
by Department and Location ("Division")

PCN	Position Title	Allocated FTE	Staffed FTE	(Over)/ Under Staffed Variance
TOTAL FOR LOC/DIV 08432 - WASTEWATER COLLECTION:		30.000	29.000	1.000
Div/Loc: 08433 - WATER EFFICIENCY				
084330084	ADMIN TECHNICIAN	1.000	0.900	.100
084334957	OFFICE ASSISTANT II	1.750	1.000	.750
084339047	WATER CONSERVATION ADMINSTR	1.000	1.000	
084339078	WATER CONSERVATION SPECIALIST	1.000	1.000	
084339049	WATER CONSERVATION WORKER I	0.000	3.000	(3.000)
084339051	WATER CONSERVATION WORKER II	3.000	1.000	2.000
084334956	OFFICE ASSISTANT I	0.000	0.750	(.750)
TOTAL FOR LOC/DIV 08433 - WATER EFFICIENCY:		7.750	8.650	(.900)
Div/Loc: 08441 - RECYCLED WATER				
084417162	SR ENGINEERING TECHNICIAN	1.000	1.000	
TOTAL FOR LOC/DIV 08441 - RECYCLED WATER:		1.000	1.000	
084502544	ENVIRONMENTAL COMPL SPEC II	0.000	1.000	(1.000)
TOTAL FOR LOC/DIV 08450 - STORM WATER MANAGEMENT PROGRAM:		0.000	1.000	(1.000)
Div/Loc: 08527 - UTILITY EXPLORATION CENTER				
085273732	INTERPRETIVE SRVCS SPECIAL II	2.000	2.000	
085273740	INTERPRETIVE SRVCS SUPERVISOR	1.000	1.000	
085274517	MARKET & COMMUNICATIONS ANA II	1.000	1.000	
TOTAL FOR LOC/DIV 08527 - UTILITY EXPLORATION CENTER:		4.000	4.000	
TOTAL FOR DEPARTMENT 84 - ENVIRONMENTAL UTILITIES:		221.500	205.400	16.100
Department: 86 ROSEVILLE ELECTRIC				
Div/Loc: 08600 - ELECTRIC - ADMINISTRATION				
086000084	ADMIN TECHNICIAN	1.000	1.000	
086000071	ADMINISTRATIVE ASSISTANT (C)	1.000	0.000	1.000
086001548	DATA MANAGEMENT SPECIALIST II	1.000	1.000	
086001645	DEPT PUBLIC INFO OFFICER	1.000	1.000	
086001312	ELECTRIC BUSINESS ANALYST II	4.000	3.000	1.000
086002346	ELECTRIC RATES & FINANCIAL ADM	1.000	1.000	
086002358	ELECTRIC TECHNOLOGY SYST SUPV	1.000	1.000	
086002359	ELECTRIC TECHNOLOGY SYSTS TECH	3.000	2.000	1.000
086002320	ELECTRIC UTILITY DIRECTOR	1.000	1.000	
086004517	MARKET & COMMUNICATIONS ANA II	1.000	1.000	
086007128	SR ELECTRIC BUSINESS ANALYST	1.000	1.000	
TOTAL FOR LOC/DIV 08600 - ELECTRIC - ADMINISTRATION:		16.000	13.000	3.000
Div/Loc: 08605 - ELEC REGULATORY-LEGISLATIVE SV				
086050084	ADMIN TECHNICIAN	1.000	1.000	
086050050	ADMINISTRATIVE ANALYST II	1.000	1.000	
086052335	ELECTRIC COMPLIANCE ANALYST	2.000	2.000	
086052348	ELECTRIC REG COMPL ADMINSTR	1.000	1.000	
TOTAL FOR LOC/DIV 08605 - ELEC REGULATORY-LEGISLATIVE SV:		5.000	5.000	
Div/Loc: 08611 - ELECTRIC ENGINEERING				
086110084	ADMIN TECHNICIAN	1.000	1.000	
086110395	ASSISTANT ELECTRIC UTILITY DIR	1.000	1.000	
086112330	ELECTRIC DRAFTING TECH II	2.000	2.000	
086112345	ELECTRIC ENGINEERING TECH II	4.000	3.000	1.000
086112284	ELECTRIC ENGINEERING TECH SUPV	1.000	1.000	

Position Allocation/Staffing Report
by Department and Location ("Division")

PCN	Position Title	Allocated FTE	Staffed FTE	(Over)/ Under Staffed Variance
086113412	GIS ANALYST II	1.000	0.000	1.000
086114957	OFFICE ASSISTANT II	2.000	1.000	1.000
086115596	POWER ENGINEER II	4.000	3.000	1.000
086115505	POWER ENGINEERING MANAGER	1.000	1.000	
086117151	SR POWER ENGINEER	2.000	2.000	
086112340	ELECTRIC ENGINEERING TECH I	0.000	1.000	(1.000)
TOTAL FOR LOC/DIV 08611 - ELECTRIC ENGINEERING:		19.000	16.000	3.000
Div/Loc: 08614 - ELECT CONST & MAINTENANCE				
086140150	ELECTRIC APPRENTICE LINE TECH	0.000	1.000	(1.000)
086142280	ELECTRIC LINE CONST SUPERVISOR	2.000	2.000	
086142285	ELECTRIC LINE TECH	16.000	10.000	6.000
086142286	ELECTRIC LINE TROUBLESHOOTER	4.000	3.000	1.000
086142212	ELECTRIC MATERIALS TECH II	3.000	3.000	
086142338	ELECTRIC OPERATIONS MANAGER	1.000	1.000	
086142254	ELECTRIC PREV DATA SYSTEM TECH	2.000	1.000	1.000
086142352	ELECTRIC SAFETY COORDINATOR	1.000	1.000	
086142319	ELECTRIC SUBSTATION SUPERVISOR	1.000	1.000	
086142350	ELECTRIC SYSTEM DISPATCHER	3.000	3.000	
086142360	ELECTRIC UTILITY TECHNICIAN I	0.000	3.000	(3.000)
086142362	ELECTRIC UTILITY TECHNICIAN II	17.000	10.000	7.000
086144957	OFFICE ASSISTANT II	1.000	1.000	
086147118	SR ELECTRIC LINE TECHNICIAN	5.000	5.000	
086147169	SR ELECTRIC MATERIALS TECH	1.000	1.000	
086147124	SR ELECTRIC METERING TECH	1.000	1.000	
086147126	SR ELECTRIC SUBSTATION TECH	3.000	3.000	
086147168	SR ELECTRIC SYSTEM DISPATCHER	1.000	1.000	
086142421	ELECTRIC PRE-APPRENTICE	0.000	3.000	(3.000)
TOTAL FOR LOC/DIV 08614 - ELECT CONST & MAINTENANCE:		62.000	54.000	8.000
Div/Loc: 08616 - ELECTRIC POWER PLANT				
086162210	ELECTRIC MATERIALS TECH I	0.000	1.000	(1.000)
086162212	ELECTRIC MATERIALS TECH II	1.000	0.000	1.000
086162362	ELECTRIC UTILITY TECHNICIAN II	1.000	1.000	
086163608	INSTRUMENT & CONTROL TECH	2.000	2.000	
086164957	OFFICE ASSISTANT II	1.000	1.000	
086165600	POWER GENERATION SUPERINTENDEN	1.000	1.000	
086165591	POWER PLANT ENGINEER II	1.000	1.000	
086165530	POWER PLANT OPS & MAINT SUPVS	2.000	2.000	
086165526	PWR PLNT MECHANIC	2.000	2.000	
086165523	PWR PLNT OPERATOR/TECH II	8.000	8.000	
086165555	SR POWER PLANT ENGINEER	1.000	1.000	
086167152	SR POWER PLANT OPERATOR/TECH	4.000	4.000	
TOTAL FOR LOC/DIV 08616 - ELECTRIC POWER PLANT:		24.000	24.000	
Div/Loc: 08621 - POWER SUPPLY				
086210084	ADMIN TECHNICIAN	1.000	1.000	
086218553	ASST ELEC UTIL DIR-RESOURCES	1.000	1.000	
086212314	ELECTRIC RESOURCES ANALYST I	0.000	2.000	(2.000)
086212316	ELECTRIC RESOURCES ANALYST II	7.000	2.000	5.000
086212354	ELECTRIC RISK MGMT ADMINISTRAT	1.000	1.000	
086215535	POWER SUPPLY & PORTFOLIO ADMST	1.000	1.000	
086211312	ELECTRIC BUSINESS ANALYST II	0.000	1.000	(1.000)
TOTAL FOR LOC/DIV 08621 - POWER SUPPLY:		11.000	9.000	2.000

Position Allocation/Staffing Report
by Department and Location ("Division")

PCN	Position Title	Allocated FTE	Staffed FTE	(Over)/ Under Staffed Variance
Div/Loc: 08623 - RETAIL SRVCS-PUBLIC BENEFITS				
086231312	ELECTRIC BUSINESS ANALYST II	1.000	1.000	
086236280	ELECTRIC RETAIL SERVICES SUPV	2.000	1.000	1.000
086232466	ENERGY PROGRAM TECHNICIAN	4.000	4.000	
086232501	ENERGY SERVICES ACCOUNT REP II	2.000	2.000	
086233810	KEY ACCOUNTS REPRESENTATIVE	1.000	0.000	1.000
086234957	OFFICE ASSISTANT II	1.000	1.000	
086237163	SR ENERGY SERVICES ACCOUNT REP	1.000	1.000	
TOTAL FOR LOC/DIV 08623 - RETAIL SRVCS-PUBLIC BENEFITS:		12.000	10.000	2.000
TOTAL FOR DEPARTMENT 86 - ROSEVILLE ELECTRIC:		149.000	131.000	18.000
Department: 88 DEVELOPMENT SERVICES				
Div/Loc: 08200 - PLANNING				
082000900	ASSOC PLANNER	5.000	4.000	1.000
082003412	GIS ANALYST II	1.000	0.000	1.000
082004509	MAPPING SUPERVISOR	1.000	1.000	
082004957	OFFICE ASSISTANT II	2.000	2.000	
082005309	PLANNING MANAGER	2.000	2.000	
082005311	PLANNING SYSTEMS ANALYST	1.000	1.000	
082005315	PLANNING SYSTEMS TECHNICIAN II	1.000	1.000	
082005513	PRINCIPAL PLANNER	1.000	0.000	1.000
082005562	PROJECT PLANNER	1.000	1.000	
082007180	SR PLANNER	1.000	1.650	(.650)
082003410	GIS ANALYST I	0.000	1.000	(1.000)
TOTAL FOR LOC/DIV 08200 - PLANNING:		16.000	14.650	1.350
Div/Loc: 08800 - DEV SVCS- ADMINISTRATION				
088000050	ADMINISTRATIVE ANALYST II	1.000	0.000	1.000
088000071	ADMINISTRATIVE ASSISTANT (C)	1.000	1.000	
088001676	DEVELOPMENT SERVICES DIRECTOR	1.000	1.000	
088001695	DEVELOPMENT SERVICES MANAGER	1.000	1.000	
088000045	ADMINISTRATIVE ANALYST I	0.000	1.000	(1.000)
TOTAL FOR LOC/DIV 08800 - DEV SVCS- ADMINISTRATION:		4.000	4.000	
Div/Loc: 08801 - DEV SVCS- PERMIT CENTER				
088015245	PERMIT ANALYST	1.000	1.000	
088015279	PERMIT TECHNICIAN II	4.000	4.000	
TOTAL FOR LOC/DIV 08801 - DEV SVCS- PERMIT CENTER:		5.000	5.000	
Div/Loc: 08810 - DEV SVCS- BUILDING INSPECTION				
088101017	BLDG INSPECTION SUPERVISOR	1.000	0.000	1.000
088101019	BLDG INSPECTOR II	4.000	3.000	1.000
088101043	BLDG OFFICIAL	1.000	2.000	(1.000)
088101047	BLDG PLANS EXAMINER II	3.000	3.000	
088101672	DEVELOPMENT TECHNICIAN II	2.000	2.000	
088104957	OFFICE ASSISTANT II	1.000	1.000	
088107117	SR BUILDING INSPECTOR	1.000	1.000	
088107195	SR BUILDING PLANS EXAMINER	1.000	1.000	
088101018	BLDG INSPECTOR I	0.000	2.000	(2.000)
TOTAL FOR LOC/DIV 08810 - DEV SVCS- BUILDING INSPECTION:		14.000	15.000	(1.000)
Div/Loc: 08815 - DEV SVCS- CODE ENFORCEMENT				
088151019	BLDG INSPECTOR II	2.000	0.000	2.000
088151366	CODE ENFORCEMENT INSPECTOR	1.000	1.000	

Position Allocation/Staffing Report
by Department and Location ("Division")

PCN	Position Title	Allocated FTE	Staffed FTE	(Over)/ Under Staffed Variance
088157134	SR CODE ENFORCEMENT INSPECTOR	1.000	1.000	
088151018	BLDG INSPECTOR I	0.000	1.000	(1.000)
TOTAL FOR LOC/DIV 08815 - DEV SVCS- CODE ENFORCEMENT:		4.000	3.000	1.000
Div/Loc: 08820 - DEV SVCS- ENGINEERING				
088200820	ASSOC ENGINEER	1.000	1.000	
088200338	ASST ENGINEER	3.000	2.000	1.000
088201248	CONSTRUCTION INSPECTION SUPV	1.000	1.000	
088201434	CONSTRUCTION INSPECTOR II	3.000	2.000	1.000
088201277	ENGINEERING MANAGER	1.000	1.000	
088201350	ENGINEERING TECHNICIAN II	1.000	0.000	1.000
088203326	FINANCE TECHNICIAN II	1.000	1.000	
088205514	PRINCIPAL ENGINEER	1.000	1.000	
088207121	SR CONSTRUCTION INSPECTOR	2.000	2.000	
088207142	SR ENGINEER	2.000	2.000	
088201300	ENGINEERING TECHNICIAN I	0.000	1.000	(1.000)
088201432	CONSTRUCTION INSPECTOR I	0.000	1.000	(1.000)
088203792	JR ENGINEER	0.000	1.000	(1.000)
TOTAL FOR LOC/DIV 08820 - DEV SVCS- ENGINEERING:		16.000	16.000	
Div/Loc: 08830 - DEV SVC-STORMWATER				
088301350	ENGINEERING TECHNICIAN II	1.000	1.000	
088302544	ENVIRONMENTAL COMPL SPEC II	2.000	1.000	1.000
088307142	SR ENGINEER	1.000	1.000	
TOTAL FOR LOC/DIV 08830 - DEV SVC-STORMWATER:		4.000	3.000	1.000
TOTAL FOR DEPARTMENT 88 - DEVELOPMENT SERVICES:		63.000	60.650	2.350
Grand Totals:				
		1,141.500	1,064.112	77.387

ORDINANCE NO. 5676

ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE AMENDING
ORDINANCE NO. 5643, THE SALARY ORDINANCE FOR MANAGEMENT EMPLOYEES,
AS AMENDED BY APPENDIX "C" TO BE EFFECTIVE
MAY 14, 2016, AS AN URGENCY MEASURE

THE CITY OF ROSEVILLE ORDAINS:

SECTION 1. Title and Purpose.

Ordinance No. 5643, the Salary Ordinance for Management Employees, is hereby amended as shown on Appendix "C" attached hereto, to reflect the following changes:

ADDITION OF CLASSIFICATION:

<u>Classification No.</u>	<u>Position Title</u>	<u>Salary Range</u>
3589/B844	Housing Manager	5822
0484/B845	Assistant Human Resources Director	7116
6244/B846	Refuse & Stormwater Manager	6917
2548/B847	EU Business Service Administrator	5751
2546/B848	Environmental Utilities Rate Analyst I	4614
2547/B849	Environmental Utilities Rate Analyst II	5001
9085/B850	Water Distribution Superintendent	5723

SALARY ADJUSTMENT:

<u>Classification No.</u>	<u>Position Title</u>	<u>Salary Range</u>
1125/B722	Central Services Director	8173

SECTION 2. Salary Plan Effective Date.

This Ordinance shall be effective May 14, 2016 as an urgency measure.

SECTION 3. Urgency Ordinance.

This ordinance is hereby declared to be an urgency measure, immediately necessary for the public peace, health and safety and shall take effect May 14, 2016. A statement of urgency is as follows:

It is necessary to amend the Salary Ordinance to comply with recently approved changes for the orderly and necessary continuance of operations of the City.

SECTION 4. Posting.

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 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

CITY OF ROSEVILLE

SALARY SCHEDULE A

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGMT MANAGEMENT

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
0041	ACCOUNTING MANAGER					
		STEP A	43.9697	3,517.57	7,621.41	91,456.97
		STEP B	46.1683	3,693.46	8,002.50	96,030.06
		STEP C	48.4769	3,878.15	8,402.66	100,831.95
		STEP D	50.9007	4,072.05	8,822.78	105,873.45
		STEP E	53.4457	4,275.65	9,263.92	111,167.05
		STEP F	56.1177	4,489.41	9,727.06	116,724.81
		STEP G	58.9238	4,713.90	10,213.45	122,561.50
0043	ACCOUNTING SUPERVISOR					
		STEP A	40.5385	3,243.08	7,026.67	84,320.08
		STEP B	42.5655	3,405.24	7,378.02	88,536.24
		STEP C	44.6937	3,575.49	7,746.90	92,962.89
		STEP D	46.9284	3,754.27	8,134.25	97,611.07
		STEP E	49.2748	3,941.98	8,540.96	102,491.58
		STEP F	51.7386	4,139.08	8,968.02	107,616.28
		STEP G	54.3255	4,346.04	9,416.42	112,997.04
0045	ADMIN ANALYST I					
		STEP A	33.2609	2,660.87	5,765.22	69,182.67
		STEP B	34.9239	2,793.91	6,053.47	72,641.71
		STEP C	36.6700	2,933.60	6,356.13	76,273.60
		STEP D	38.5037	3,080.29	6,673.97	80,087.69
		STEP E	40.4288	3,234.30	7,007.65	84,091.90
		STEP F	42.4503	3,396.02	7,358.05	88,296.62
		STEP G	44.5728	3,565.82	7,725.95	92,711.42
0050	ADMIN ANALYST II					
		STEP A	36.5872	2,926.97	6,341.78	76,101.37
		STEP B	38.4165	3,073.32	6,658.86	79,906.32
		STEP C	40.3372	3,226.97	6,991.78	83,901.37
		STEP D	42.3541	3,388.32	7,341.37	88,096.52
		STEP E	44.4717	3,557.73	7,708.42	92,501.13
		STEP F	46.6954	3,735.63	8,093.86	97,126.43
		STEP G	49.0301	3,922.40	8,498.55	101,982.60
0086	ALTERNATIVE TRANSP ANALYST I					
		STEP A	33.7583	2,700.66	5,851.43	70,217.26
		STEP B	35.4464	2,835.71	6,144.04	73,728.51
		STEP C	37.2187	2,977.49	6,451.24	77,414.89
		STEP D	39.0796	3,126.36	6,773.79	81,285.56
		STEP E	41.0335	3,282.68	7,112.47	85,349.68
		STEP F	43.0852	3,446.81	7,468.10	89,617.21
		STEP G	45.2396	3,619.16	7,841.53	94,098.36

CITY OF ROSEVILLE

SALARY SCHEDULE A

Appendix: C
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Effective Date: 05/14/2016

MGMT MANAGEMENT

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
0088	ALTERNATIVE TRANSP ANALYST II					
		STEP A	36.5872	2,926.97	6,341.78	76,101.37
		STEP B	38.4165	3,073.32	6,658.86	79,906.32
		STEP C	40.3372	3,226.97	6,991.78	83,901.37
		STEP D	42.3541	3,388.32	7,341.37	88,096.52
		STEP E	44.4717	3,557.73	7,708.42	92,501.13
		STEP F	46.6954	3,735.63	8,093.86	97,126.43
		STEP G	49.0301	3,922.40	8,498.55	101,982.60
0090	ALTERNATIVE TRANSP MGR					
		STEP A	46.6032	3,728.25	8,077.88	96,934.65
		STEP B	48.9333	3,914.66	8,481.77	101,781.26
		STEP C	51.3798	4,110.38	8,905.83	106,869.98
		STEP D	53.9487	4,315.89	9,351.10	112,213.29
		STEP E	56.6460	4,531.68	9,818.64	117,823.68
		STEP F	59.4785	4,758.28	10,309.60	123,715.28
		STEP G	62.4520	4,996.16	10,825.01	129,900.16
0245	ASST CITY ATTORNEY					
		STEP A	68.7340	5,498.72	11,913.89	142,966.72
		STEP B	72.1707	5,773.65	12,509.58	150,115.05
		STEP C	75.7791	6,062.32	13,135.04	157,620.52
		STEP D	79.5682	6,365.45	13,791.82	165,501.85
		STEP E	83.5467	6,683.73	14,481.42	173,777.13
		STEP F	87.7239	7,017.91	15,205.47	182,465.71
		STEP G	92.1102	7,368.81	15,965.76	191,589.21
0250	ASST CITY CLERK					
		STEP A	35.4741	2,837.92	6,148.84	73,786.12
		STEP B	37.2478	2,979.82	6,456.28	77,475.42
		STEP C	39.1102	3,128.81	6,779.10	81,349.21
		STEP D	41.0657	3,285.25	7,118.05	85,416.65
		STEP E	43.1191	3,449.52	7,473.97	89,687.72
		STEP F	45.2750	3,622.00	7,847.66	94,172.00
		STEP G	47.5387	3,803.09	8,240.04	98,880.49
0325	ASST CITY MANAGER					
		STEP A	74.0814	5,926.51	12,840.77	154,089.31
		STEP B	77.7854	6,222.83	13,482.80	161,793.63
		STEP C	81.6747	6,533.97	14,156.94	169,883.37
		STEP D	85.7585	6,860.68	14,864.80	178,377.68
		STEP E	90.0464	7,203.71	15,608.04	187,296.51
		STEP F	94.5487	7,563.89	16,388.44	196,661.29
		STEP G	99.2762	7,942.09	17,207.87	206,494.49

CITY OF ROSEVILLE

SALARY SCHEDULE A

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Effective Date: 05/14/2016

MGMT MANAGEMENT

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
8553	ASST ELEC UTIL DIR-RESOURCES					
		STEP A	77.7298	6,218.38	13,473.16	161,677.98
		STEP B	81.6164	6,529.31	14,146.84	169,762.11
		STEP C	85.6972	6,855.77	14,854.18	178,250.17
		STEP D	89.9819	7,198.55	15,596.86	187,162.35
		STEP E	94.4811	7,558.48	16,376.72	196,520.68
		STEP F	99.2051	7,936.40	17,195.55	206,346.60
		STEP G	104.1655	8,333.24	18,055.35	216,664.24
0395	ASST ELEC UTIL DIRECTOR					
		STEP A	70.9719	5,677.75	12,301.79	147,621.55
		STEP B	74.5206	5,961.64	12,916.90	155,002.84
		STEP C	78.2466	6,259.72	13,562.74	162,752.92
		STEP D	82.1588	6,572.70	14,240.85	170,890.30
		STEP E	86.2668	6,901.34	14,952.91	179,434.94
		STEP F	90.5802	7,246.41	15,700.56	188,406.81
		STEP G	95.1093	7,608.74	16,485.61	197,827.34
0411	ASST EU DIRECTOR					
		STEP A	62.1514	4,972.11	10,772.90	129,274.91
		STEP B	65.2588	5,220.70	11,311.52	135,738.30
		STEP C	68.5218	5,481.74	11,877.11	142,525.34
		STEP D	71.9478	5,755.82	12,470.95	149,651.42
		STEP E	75.5453	6,043.62	13,094.51	157,134.22
		STEP F	79.3225	6,345.80	13,749.23	164,990.80
		STEP G	83.2886	6,663.08	14,436.69	173,240.28
0480	ASST FIRE CHIEF					
		STEP A	61.2592	4,900.73	10,618.26	127,419.13
		STEP B	64.3221	5,145.76	11,149.16	133,789.96
		STEP C	67.5383	5,403.06	11,706.63	140,479.66
		STEP D	70.9152	5,673.21	12,291.96	147,503.61
		STEP E	74.4609	5,956.87	12,906.55	154,878.67
		STEP F	78.1839	6,254.71	13,551.87	162,622.51
		STEP G	82.0932	6,567.45	14,229.48	170,753.85
0484	ASST HUMAN RESOURCES DIRECTOR					
		STEP A	53.1051	4,248.40	9,204.88	110,458.60
		STEP B	55.7603	4,460.82	9,665.11	115,981.42
		STEP C	58.5483	4,683.86	10,148.37	121,780.46
		STEP D	61.4758	4,918.06	10,655.80	127,869.66
		STEP E	64.5495	5,163.96	11,188.58	134,262.96
		STEP F	67.7770	5,422.16	11,748.01	140,976.16
		STEP G	71.1659	5,693.27	12,335.42	148,025.07

CITY OF ROSEVILLE

SALARY SCHEDULE A

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Effective Date: 05/14/2016

MGMT MANAGEMENT

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
0510	ASST POLICE CHIEF	STEP A	66.6657	5,333.25	11,555.38	138,664.65
		STEP B	69.9990	5,599.92	12,133.16	145,597.92
		STEP C	73.4990	5,879.92	12,739.82	152,877.92
		STEP D	77.1738	6,173.90	13,376.79	160,521.50
		STEP E	81.0326	6,482.60	14,045.65	168,547.80
		STEP F	85.0843	6,806.74	14,747.94	176,975.34
		STEP G	89.3384	7,147.07	15,485.32	185,823.87
0920	BILLING SERVICES MANAGER	STEP A	43.9697	3,517.57	7,621.41	91,456.97
		STEP B	46.1683	3,693.46	8,002.50	96,030.06
		STEP C	48.4769	3,878.15	8,402.66	100,831.95
		STEP D	50.9007	4,072.05	8,822.78	105,873.45
		STEP E	53.4457	4,275.65	9,263.92	111,167.05
		STEP F	56.1177	4,489.41	9,727.06	116,724.81
		STEP G	58.9238	4,713.90	10,213.45	122,561.50
1017	BLDG INSPECTION SUPERVISOR	STEP A	40.3307	3,226.45	6,990.65	83,887.85
		STEP B	42.3473	3,387.78	7,340.19	88,082.38
		STEP C	44.4646	3,557.16	7,707.19	92,486.36
		STEP D	46.6877	3,735.01	8,092.53	97,110.41
		STEP E	49.0223	3,921.78	8,497.19	101,966.38
		STEP F	51.4734	4,117.87	8,922.05	107,064.67
		STEP G	54.0470	4,323.76	9,368.14	112,417.76
1043	BLDG OFFICIAL	STEP A	49.8118	3,984.94	8,634.04	103,608.54
		STEP B	52.3024	4,184.19	9,065.74	108,788.99
		STEP C	54.9176	4,393.40	9,519.05	114,228.60
		STEP D	57.6634	4,613.07	9,994.98	119,939.87
		STEP E	60.5466	4,843.72	10,494.74	125,936.92
		STEP F	63.5740	5,085.92	11,019.49	132,233.92
		STEP G	66.7526	5,340.20	11,570.45	138,845.40
0910	BUDGET ANALYST I	STEP A	34.4334	2,754.67	5,968.45	71,621.47
		STEP B	36.1549	2,892.39	6,266.84	75,202.19
		STEP C	37.9628	3,037.02	6,580.21	78,962.62
		STEP D	39.8610	3,188.88	6,909.24	82,910.88
		STEP E	41.8541	3,348.32	7,254.71	87,056.52
		STEP F	43.9466	3,515.72	7,617.41	91,408.92
		STEP G	46.1440	3,691.52	7,998.29	95,979.52

CITY OF ROSEVILLE

SALARY SCHEDULE A

Appendix: C
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MGMT MANAGEMENT

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
0915	BUDGET ANALYST II					
		STEP A	37.3182	2,985.45	6,468.48	77,621.85
		STEP B	39.1840	3,134.72	6,791.89	81,502.72
		STEP C	41.1434	3,291.47	7,131.52	85,578.27
		STEP D	43.2005	3,456.04	7,488.08	89,857.04
		STEP E	45.3605	3,628.84	7,862.48	94,349.84
		STEP F	47.6286	3,810.28	8,255.62	99,067.48
		STEP G	50.0100	4,000.80	8,668.40	104,020.80
0930	BUDGET MANAGER					
		STEP A	43.9697	3,517.57	7,621.41	91,456.97
		STEP B	46.1683	3,693.46	8,002.50	96,030.06
		STEP C	48.4769	3,878.15	8,402.66	100,831.95
		STEP D	50.9007	4,072.05	8,822.78	105,873.45
		STEP E	53.4457	4,275.65	9,263.92	111,167.05
		STEP F	56.1177	4,489.41	9,727.06	116,724.81
		STEP G	58.9238	4,713.90	10,213.45	122,561.50
1050	BUSINESS SVCS ADMINISTRATOR					
		STEP A	42.3780	3,390.24	7,345.52	88,146.24
		STEP B	44.4970	3,559.76	7,712.81	92,553.76
		STEP C	46.7217	3,737.73	8,098.42	97,181.13
		STEP D	49.0581	3,924.64	8,503.40	102,040.84
		STEP E	51.5108	4,120.86	8,928.53	107,142.46
		STEP F	54.0864	4,326.91	9,374.97	112,499.71
		STEP G	56.7907	4,543.25	9,843.72	118,124.65
1125	CENTRAL SERVICES DIRECTOR					
		STEP A	60.9892	4,879.13	10,571.46	126,857.53
		STEP B	64.0388	5,123.10	11,100.05	133,200.70
		STEP C	67.2407	5,379.25	11,655.05	139,860.65
		STEP D	70.6027	5,648.21	12,237.80	146,853.61
		STEP E	74.1329	5,930.63	12,849.70	154,196.43
		STEP F	77.8396	6,227.16	13,492.19	161,906.36
		STEP G	81.7316	6,538.52	14,166.81	170,001.72
1245	CHIEF FINANCIAL OFFICER					
		STEP A	86.5875	6,927.00	15,008.50	180,102.00
		STEP B	90.9169	7,273.35	15,758.92	189,107.15
		STEP C	95.4628	7,637.02	16,546.88	198,562.62
		STEP D	100.2359	8,018.87	17,374.22	208,490.67
		STEP E	105.2477	8,419.81	18,242.93	218,915.21
		STEP F	110.5101	8,840.80	19,155.08	229,861.00
		STEP G	116.0356	9,282.84	20,112.83	241,354.04

CITY OF ROSEVILLE

SALARY SCHEDULE A

Appendix: C
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Effective Date: 05/14/2016

MGMT MANAGEMENT

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
1180	CHIEF INFORMATION OFFICER					
		STEP A	60.9892	4,879.13	10,571.46	126,857.53
		STEP B	64.0388	5,123.10	11,100.05	133,200.70
		STEP C	67.2407	5,379.25	11,655.05	139,860.65
		STEP D	70.6027	5,648.21	12,237.80	146,853.61
		STEP E	74.1329	5,930.63	12,849.70	154,196.43
		STEP F	77.8396	6,227.16	13,492.19	161,906.36
		STEP G	81.7316	6,538.52	14,166.81	170,001.72
1220	CITY CLERK					
		STEP A	55.5188	4,441.50	9,623.25	115,479.10
		STEP B	58.2948	4,663.58	10,104.43	121,253.18
		STEP C	61.2096	4,896.76	10,609.66	127,315.96
		STEP D	64.2701	5,141.60	11,140.15	133,681.80
		STEP E	67.4836	5,398.68	11,697.15	140,365.88
		STEP F	70.8579	5,668.63	12,282.03	147,384.43
		STEP G	74.4006	5,952.04	12,896.10	154,753.24
1224	CITY LIBRARIAN					
		STEP A	50.0106	4,000.84	8,668.50	104,022.04
		STEP B	52.5111	4,200.88	9,101.92	109,223.08
		STEP C	55.1365	4,410.92	9,556.99	114,683.92
		STEP D	57.8936	4,631.48	10,034.89	120,418.68
		STEP E	60.7880	4,863.04	10,536.58	126,439.04
		STEP F	63.8276	5,106.20	11,063.45	132,761.40
		STEP G	67.0190	5,361.52	11,616.62	139,399.52
1645	DEPT PUBLIC INFO OFFICER					
		STEP A	38.3214	3,065.71	6,642.37	79,708.51
		STEP B	40.2376	3,219.00	6,974.51	83,694.20
		STEP C	42.2491	3,379.92	7,323.17	87,878.12
		STEP D	44.3617	3,548.93	7,689.36	92,272.33
		STEP E	46.5799	3,726.39	8,073.84	96,886.19
		STEP F	48.9088	3,912.70	8,477.52	101,730.30
		STEP G	51.3546	4,108.36	8,901.46	106,817.56
1655	DEPUTY CITY ATTORNEY I					
		STEP A	49.3957	3,951.65	8,561.92	102,743.05
		STEP B	51.8655	4,149.24	8,990.02	107,880.24
		STEP C	54.4587	4,356.69	9,439.50	113,274.09
		STEP D	57.1817	4,574.53	9,911.49	118,937.93
		STEP E	60.0408	4,803.26	10,407.07	124,884.86
		STEP F	63.0429	5,043.43	10,927.43	131,129.23
		STEP G	66.1950	5,295.60	11,473.80	137,685.60

CITY OF ROSEVILLE

SALARY SCHEDULE A

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MGMT MANAGEMENT

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
1658	DEPUTY CITY ATTORNEY II					
		STEP A	54.3352	4,346.81	9,418.10	113,017.21
		STEP B	57.0521	4,564.16	9,889.03	118,668.36
		STEP C	59.9047	4,792.37	10,383.48	124,601.77
		STEP D	62.8998	5,031.98	10,902.63	130,831.58
		STEP E	66.0450	5,283.60	11,447.80	137,373.60
		STEP F	69.3472	5,547.77	12,020.18	144,242.17
		STEP G	72.8145	5,825.16	12,621.18	151,454.16
1659	DEPUTY CITY MANAGER					
		STEP A	55.5189	4,441.51	9,623.27	115,479.31
		STEP B	58.2948	4,663.58	10,104.43	121,253.18
		STEP C	61.2096	4,896.76	10,609.66	127,315.96
		STEP D	64.2701	5,141.60	11,140.15	133,681.80
		STEP E	67.4837	5,398.69	11,697.17	140,366.09
		STEP F	70.8579	5,668.63	12,282.03	147,384.43
		STEP G	74.4007	5,952.05	12,896.12	154,753.45
1674	DEVELOPMENT ANALYST I					
		STEP A	33.2609	2,660.87	5,765.22	69,182.67
		STEP B	34.9239	2,793.91	6,053.47	72,641.71
		STEP C	36.6700	2,933.60	6,356.13	76,273.60
		STEP D	38.5037	3,080.29	6,673.97	80,087.69
		STEP E	40.4288	3,234.30	7,007.65	84,091.90
		STEP F	42.4503	3,396.02	7,358.05	88,296.62
		STEP G	44.5728	3,565.82	7,725.95	92,711.42
1675	DEVELOPMENT ANALYST II					
		STEP A	36.5872	2,926.97	6,341.78	76,101.37
		STEP B	38.4165	3,073.32	6,658.86	79,906.32
		STEP C	40.3372	3,226.97	6,991.78	83,901.37
		STEP D	42.3541	3,388.32	7,341.37	88,096.52
		STEP E	44.4717	3,557.73	7,708.42	92,501.13
		STEP F	46.6954	3,735.63	8,093.86	97,126.43
		STEP G	49.0301	3,922.40	8,498.55	101,982.60
1676	DEVELOPMENT SERVICES DIRECTOR					
		STEP A	67.1903	5,375.22	11,646.31	139,755.82
		STEP B	70.5498	5,643.98	12,228.63	146,743.58
		STEP C	74.0772	5,926.17	12,840.04	154,080.57
		STEP D	77.7812	6,222.49	13,482.07	161,784.89
		STEP E	81.6702	6,533.61	14,156.16	169,874.01
		STEP F	85.7538	6,860.30	14,863.99	178,367.90
		STEP G	90.0416	7,203.32	15,607.21	187,286.52

CITY OF ROSEVILLE

SALARY SCHEDULE A

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGMT MANAGEMENT

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
1695	DEVELOPMENT SERVICES MANAGER					
		STEP A	55.5189	4,441.51	9,623.27	115,479.31
		STEP B	58.2948	4,663.58	10,104.43	121,253.18
		STEP C	61.2096	4,896.76	10,609.66	127,315.96
		STEP D	64.2701	5,141.60	11,140.15	133,681.80
		STEP E	67.4837	5,398.69	11,697.17	140,366.09
		STEP F	70.8579	5,668.63	12,282.03	147,384.43
		STEP G	74.4007	5,952.05	12,896.12	154,753.45
1710	ECONOMIC DEVELOPMENT DIRECTOR					
		STEP A	64.6607	5,172.85	11,207.85	134,494.25
		STEP B	67.8939	5,431.51	11,768.27	141,219.31
		STEP C	71.2886	5,703.08	12,356.69	148,280.28
		STEP D	74.8529	5,988.23	12,974.50	155,694.03
		STEP E	78.5957	6,287.65	13,623.25	163,479.05
		STEP F	82.5255	6,602.04	14,304.42	171,653.04
		STEP G	86.6518	6,932.14	15,019.64	180,235.74
1712	ECONOMIC DEVELOPMENT MANAGER					
		STEP A	50.1075	4,008.60	8,685.30	104,223.60
		STEP B	52.6130	4,209.04	9,119.58	109,435.04
		STEP C	55.2436	4,419.48	9,575.55	114,906.68
		STEP D	58.0058	4,640.46	10,054.33	120,652.06
		STEP E	60.9060	4,872.48	10,557.04	126,684.48
		STEP F	63.9516	5,116.12	11,084.94	133,019.32
		STEP G	67.1490	5,371.92	11,639.16	139,669.92
1310	ELECTRIC BUSINESS ANALYST I					
		STEP A	39.3071	3,144.56	6,813.23	81,758.76
		STEP B	41.2726	3,301.80	7,153.91	85,847.00
		STEP C	43.3361	3,466.88	7,511.59	90,139.08
		STEP D	45.5029	3,640.23	7,887.16	94,646.03
		STEP E	47.7780	3,822.24	8,281.52	99,378.24
		STEP F	50.1669	4,013.35	8,695.59	104,347.15
		STEP G	52.6752	4,214.01	9,130.36	109,564.41
1312	ELECTRIC BUSINESS ANALYST II					
		STEP A	43.2416	3,459.32	7,495.21	89,942.52
		STEP B	45.4038	3,632.30	7,869.99	94,439.90
		STEP C	47.6740	3,813.92	8,263.49	99,161.92
		STEP D	50.0576	4,004.60	8,676.65	104,119.80
		STEP E	52.5605	4,204.84	9,110.48	109,325.84
		STEP F	55.1886	4,415.08	9,566.02	114,792.28
		STEP G	57.9480	4,635.84	10,044.32	120,531.84

CITY OF ROSEVILLE

SALARY SCHEDULE A

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Effective Date: 05/14/2016

MGMT MANAGEMENT

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
2335	ELECTRIC COMPLIANCE ANALYST					
		STEP A	45.0209	3,601.67	7,803.62	93,643.47
		STEP B	47.2719	3,781.75	8,193.79	98,325.55
		STEP C	49.6356	3,970.84	8,603.50	103,242.04
		STEP D	52.1174	4,169.39	9,033.68	108,404.19
		STEP E	54.7232	4,377.85	9,485.35	113,824.25
		STEP F	57.4593	4,596.74	9,959.61	119,515.34
		STEP G	60.3323	4,826.58	10,457.59	125,491.18
2284	ELECTRIC ENGINEERING TECH SUPV					
		STEP A	47.8512	3,828.09	8,294.20	99,530.49
		STEP B	50.2436	4,019.48	8,708.89	104,506.68
		STEP C	52.7559	4,220.47	9,144.35	109,732.27
		STEP D	55.3937	4,431.49	9,601.57	115,218.89
		STEP E	58.1633	4,653.06	10,081.63	120,979.66
		STEP F	61.0715	4,885.72	10,585.72	127,028.72
		STEP G	64.1251	5,130.00	11,115.01	133,380.20
2280	ELECTRIC LINE CONST SUPERVISOR					
		STEP A	61.4415	4,915.32	10,649.86	127,798.32
		STEP B	64.5137	5,161.09	11,182.37	134,188.49
		STEP C	67.7392	5,419.13	11,741.46	140,897.53
		STEP D	71.1263	5,690.10	12,328.55	147,942.70
		STEP E	74.6826	5,974.60	12,944.98	155,339.80
		STEP F	78.4168	6,273.34	13,592.24	163,106.94
		STEP G	82.3374	6,586.99	14,271.81	171,261.79
2338	ELECTRIC OPERATIONS MANAGER					
		STEP A	67.5845	5,406.76	11,714.64	140,575.76
		STEP B	70.9637	5,677.09	12,300.37	147,604.49
		STEP C	74.5119	5,960.95	12,915.39	154,984.75
		STEP D	78.2374	6,258.99	13,561.14	162,733.79
		STEP E	82.1493	6,571.94	14,239.21	170,870.54
		STEP F	86.2569	6,900.55	14,951.19	179,414.35
		STEP G	90.5697	7,245.57	15,698.74	188,384.97
2346	ELECTRIC RATES & FINANCL ADMIN					
		STEP A	58.3337	4,666.69	10,111.17	121,334.09
		STEP B	61.2503	4,900.02	10,616.71	127,400.62
		STEP C	64.3128	5,145.02	11,147.55	133,770.62
		STEP D	67.5284	5,402.27	11,704.92	140,459.07
		STEP E	70.9049	5,672.39	12,290.18	147,482.19
		STEP F	74.4500	5,956.00	12,904.66	154,856.00
		STEP G	78.1726	6,253.80	13,549.91	162,599.00

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MGMT MANAGEMENT

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
2348	ELECTRIC REGU COMPLNCE ADMNSTR					
		STEP A	67.5845	5,406.76	11,714.64	140,575.76
		STEP B	70.9637	5,677.09	12,300.37	147,604.49
		STEP C	74.5119	5,960.95	12,915.39	154,984.75
		STEP D	78.2374	6,258.99	13,561.14	162,733.79
		STEP E	82.1493	6,571.94	14,239.21	170,870.54
		STEP F	86.2569	6,900.55	14,951.19	179,414.35
		STEP G	90.5697	7,245.57	15,698.74	188,384.97
2314	ELECTRIC RESOURCES ANALYST I					
		STEP A	47.9688	3,837.50	8,314.59	99,775.10
		STEP B	50.3673	4,029.38	8,730.33	104,763.98
		STEP C	52.8855	4,230.84	9,166.82	110,001.84
		STEP D	55.5300	4,442.40	9,625.20	115,502.40
		STEP E	58.3064	4,664.51	10,106.44	121,277.31
		STEP F	61.2217	4,897.73	10,611.76	127,341.13
		STEP G	64.2828	5,142.62	11,142.35	133,708.22
2316	ELECTRIC RESOURCES ANALYST II					
		STEP A	52.7703	4,221.62	9,146.85	109,762.22
		STEP B	55.4088	4,432.70	9,604.19	115,250.30
		STEP C	58.1792	4,654.33	10,084.39	121,012.73
		STEP D	61.0883	4,887.06	10,588.63	127,063.66
		STEP E	64.1427	5,131.41	11,118.06	133,416.81
		STEP F	67.3498	5,387.98	11,673.96	140,087.58
		STEP G	70.7172	5,657.37	12,257.64	147,091.77
6280	ELECTRIC RETAIL SERVICES SUPV					
		STEP A	54.7676	4,381.40	9,493.05	113,916.60
		STEP B	57.5059	4,600.47	9,967.68	119,612.27
		STEP C	60.3812	4,830.49	10,466.07	125,592.89
		STEP D	63.4002	5,072.01	10,989.36	131,872.41
		STEP E	66.5703	5,325.62	11,538.85	138,466.22
		STEP F	69.8987	5,591.89	12,115.77	145,389.29
		STEP G	73.3937	5,871.49	12,721.57	152,658.89
2354	ELECTRIC RISK MGMT ADMNSTR					
		STEP A	64.1688	5,133.50	11,122.59	133,471.10
		STEP B	67.3774	5,390.19	11,678.74	140,144.99
		STEP C	70.7462	5,659.69	12,262.67	147,152.09
		STEP D	74.2836	5,942.68	12,875.82	154,509.88
		STEP E	77.9977	6,239.81	13,519.60	162,235.21
		STEP F	81.8976	6,551.80	14,195.58	170,347.00
		STEP G	85.9924	6,879.39	14,905.34	178,864.19

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MGMT MANAGEMENT

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
2352	ELECTRIC SAFETY COORDINATOR					
		STEP A	36.5871	2,926.96	6,341.76	76,101.16
		STEP B	38.4164	3,073.31	6,658.84	79,906.11
		STEP C	40.3371	3,226.96	6,991.76	83,901.16
		STEP D	42.3539	3,388.31	7,341.34	88,096.11
		STEP E	44.4716	3,557.72	7,708.41	92,500.92
		STEP F	46.6952	3,735.61	8,093.83	97,126.01
		STEP G	49.0301	3,922.40	8,498.55	101,982.60
2319	ELECTRIC SUBSTATION SUPERVISOR					
		STEP A	61.4415	4,915.32	10,649.86	127,798.32
		STEP B	64.5137	5,161.09	11,182.37	134,188.49
		STEP C	67.7392	5,419.13	11,741.46	140,897.53
		STEP D	71.1263	5,690.10	12,328.55	147,942.70
		STEP E	74.6826	5,974.60	12,944.98	155,339.80
		STEP F	78.4168	6,273.34	13,592.24	163,106.94
		STEP G	82.3374	6,586.99	14,271.81	171,261.79
2358	ELECTRIC TECHNOLOGY SYST SUPV					
		STEP A	50.0104	4,000.83	8,668.46	104,021.63
		STEP B	52.5110	4,200.88	9,101.90	109,222.88
		STEP C	55.1365	4,410.92	9,556.99	114,683.92
		STEP D	57.8934	4,631.47	10,034.85	120,418.27
		STEP E	60.7880	4,863.04	10,536.58	126,439.04
		STEP F	63.8273	5,106.18	11,063.39	132,760.78
		STEP G	67.0187	5,361.49	11,616.57	139,398.89
2320	ELECTRIC UTILITY DIRECTOR					
		STEP A	92.9432	7,435.45	16,110.15	193,321.85
		STEP B	97.5900	7,807.20	16,915.60	202,987.20
		STEP C	102.4696	8,197.56	17,761.39	213,136.76
		STEP D	107.5931	8,607.44	18,649.47	223,793.64
		STEP E	112.9728	9,037.82	19,581.95	234,983.42
		STEP F	118.6215	9,489.72	20,561.06	246,732.72
		STEP G	124.5526	9,964.20	21,589.11	259,069.40
2378	ELECTRONIC MAINT COORDINATOR					
		STEP A	39.2746	3,141.96	6,807.59	81,691.16
		STEP B	41.2384	3,299.07	7,147.98	85,775.87
		STEP C	43.3003	3,464.02	7,505.38	90,064.62
		STEP D	45.4653	3,637.22	7,880.65	94,567.82
		STEP E	47.7384	3,819.07	8,274.65	99,295.87
		STEP F	50.1254	4,010.03	8,688.40	104,260.83
		STEP G	52.6317	4,210.53	9,122.82	109,473.93

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MGMT MANAGEMENT

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
2415	EMS QUAL ASSURANCE COORDINATOR					
		STEP A	45.1917	3,615.33	7,833.22	93,998.73
		STEP B	47.4512	3,796.09	8,224.87	98,698.49
		STEP C	49.8239	3,985.91	8,636.14	103,633.71
		STEP D	52.3152	4,185.21	9,067.96	108,815.61
		STEP E	54.9309	4,394.47	9,521.35	114,256.27
		STEP F	57.6775	4,614.20	9,997.43	119,969.20
		STEP G	60.5613	4,844.90	10,497.29	125,967.50
2500	ENERGY SERVICES ACCOUNT REP I					
		STEP A	39.3599	3,148.79	6,822.38	81,868.59
		STEP B	41.3279	3,306.23	7,163.50	85,962.03
		STEP C	43.3942	3,471.53	7,521.66	90,259.93
		STEP D	45.5640	3,645.12	7,897.76	94,773.12
		STEP E	47.8421	3,827.36	8,292.63	99,511.56
		STEP F	50.2342	4,018.73	8,707.26	104,487.13
		STEP G	52.7459	4,219.67	9,142.62	109,711.47
2501	ENERGY SERVICES ACCOUNT REP II					
		STEP A	43.2959	3,463.67	7,504.62	90,055.47
		STEP B	45.4605	3,636.84	7,879.82	94,557.84
		STEP C	47.7337	3,818.69	8,273.84	99,286.09
		STEP D	50.1204	4,009.63	8,687.53	104,250.43
		STEP E	52.6264	4,210.11	9,121.90	109,462.91
		STEP F	55.2577	4,420.61	9,578.00	114,936.01
		STEP G	58.0206	4,641.64	10,056.90	120,682.84
1277	ENGINEERING MANAGER					
		STEP A	56.5013	4,520.10	9,793.55	117,522.70
		STEP B	59.3265	4,746.12	10,283.26	123,399.12
		STEP C	62.2925	4,983.40	10,797.36	129,568.40
		STEP D	65.4073	5,232.58	11,337.26	136,047.18
		STEP E	68.6775	5,494.20	11,904.10	142,849.20
		STEP F	72.1113	5,768.90	12,499.29	149,991.50
		STEP G	75.7169	6,057.35	13,124.26	157,491.15
2540	ENVIRONMENTAL COORDINATOR					
		STEP A	42.0752	3,366.01	7,293.03	87,516.41
		STEP B	44.1791	3,534.32	7,657.71	91,892.52
		STEP C	46.3881	3,711.04	8,040.60	96,487.24
		STEP D	48.7074	3,896.59	8,442.61	101,311.39
		STEP E	51.1428	4,091.42	8,864.75	106,377.02
		STEP F	53.6998	4,295.98	9,307.96	111,695.58
		STEP G	56.3849	4,510.79	9,773.38	117,280.59

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SALARY SCHEDULE A

Appendix: C
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Effective Date: 05/14/2016

MGMT MANAGEMENT

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
2541	ENVIRONMENTAL UTIL COMPL ADMIN					
		STEP A	42.0733	3,365.86	7,292.70	87,512.46
		STEP B	44.1769	3,534.15	7,657.32	91,887.95
		STEP C	46.3857	3,710.85	8,040.18	96,482.25
		STEP D	48.7050	3,896.40	8,442.20	101,306.40
		STEP E	51.1401	4,091.20	8,864.28	106,371.40
		STEP F	53.6972	4,295.77	9,307.51	111,690.17
		STEP G	56.3820	4,510.56	9,772.88	117,274.56
1684	ENVIRONMENTAL UTIL DIRECTOR					
		STEP A	74.5054	5,960.43	12,914.26	154,971.23
		STEP B	78.2306	6,258.44	13,559.97	162,719.64
		STEP C	82.1421	6,571.36	14,237.96	170,855.56
		STEP D	86.2493	6,899.94	14,949.87	179,398.54
		STEP E	90.5617	7,244.93	15,697.36	188,368.33
		STEP F	95.0898	7,607.18	16,482.23	197,786.78
		STEP G	99.8443	7,987.54	17,306.34	207,676.14
2565	EQUIPMENT MAINT SUPERVISOR					
		STEP A	31.4681	2,517.44	5,454.47	65,453.64
		STEP B	33.0415	2,643.32	5,727.19	68,726.32
		STEP C	34.6936	2,775.48	6,013.55	72,162.68
		STEP D	36.4283	2,914.26	6,314.23	75,770.86
		STEP E	38.2497	3,059.97	6,629.94	79,559.37
		STEP F	40.1622	3,212.97	6,961.44	83,537.37
		STEP G	42.1703	3,373.62	7,309.51	87,714.22
2548	EU BUSINESS SVCS ADMINISTRATOR					
		STEP A	42.9160	3,433.28	7,438.77	89,265.28
		STEP B	45.0618	3,604.94	7,810.71	93,728.54
		STEP C	47.3149	3,785.19	8,201.24	98,414.99
		STEP D	49.6806	3,974.44	8,611.30	103,335.64
		STEP E	52.1646	4,173.16	9,041.86	108,502.36
		STEP F	54.7729	4,381.83	9,493.96	113,927.63
		STEP G	57.5115	4,600.92	9,968.66	119,623.92
2546	EU RATE ANALYST I					
		STEP A	34.4334	2,754.67	5,968.45	71,621.47
		STEP B	36.1550	2,892.40	6,266.86	75,202.40
		STEP C	37.9628	3,037.02	6,580.21	78,962.62
		STEP D	39.8609	3,188.87	6,909.22	82,910.67
		STEP E	41.8540	3,348.32	7,254.69	87,056.32
		STEP F	43.9467	3,515.73	7,617.42	91,409.13
		STEP G	46.1440	3,691.52	7,998.29	95,979.52

CITY OF ROSEVILLE

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Appendix: C
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MGMT MANAGEMENT

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
2547	EU RATE ANALYST II					
		STEP A	37.3182	2,985.45	6,468.48	77,621.85
		STEP B	39.1841	3,134.72	6,791.91	81,502.92
		STEP C	41.1434	3,291.47	7,131.52	85,578.27
		STEP D	43.2005	3,456.04	7,488.08	89,857.04
		STEP E	45.3605	3,628.84	7,862.48	94,349.84
		STEP F	47.6286	3,810.28	8,255.62	99,067.48
		STEP G	50.0100	4,000.80	8,668.40	104,020.80
3395	FACILITIES MANAGER					
		STEP A	40.5824	3,246.59	7,034.28	84,411.39
		STEP B	42.6113	3,408.90	7,385.95	88,631.50
		STEP C	44.7419	3,579.35	7,755.26	93,063.15
		STEP D	46.9790	3,758.32	8,143.02	97,716.32
		STEP E	49.3282	3,946.25	8,550.22	102,602.65
		STEP F	51.7947	4,143.57	8,977.74	107,732.97
		STEP G	54.3840	4,350.72	9,426.56	113,118.72
3301	FINANCE DIRECTOR					
		STEP A	67.0881	5,367.04	11,628.60	139,543.24
		STEP B	70.4426	5,635.40	12,210.05	146,520.60
		STEP C	73.9648	5,917.18	12,820.56	153,846.78
		STEP D	77.6629	6,213.03	13,461.56	161,538.83
		STEP E	81.5462	6,523.69	14,134.67	169,616.09
		STEP F	85.6235	6,849.88	14,841.40	178,096.88
		STEP G	89.9047	7,192.37	15,583.48	187,001.77
2900	FINANCE MANAGER					
		STEP A	43.9697	3,517.57	7,621.41	91,456.97
		STEP B	46.1683	3,693.46	8,002.50	96,030.06
		STEP C	48.4769	3,878.15	8,402.66	100,831.95
		STEP D	50.9007	4,072.05	8,822.78	105,873.45
		STEP E	53.4457	4,275.65	9,263.92	111,167.05
		STEP F	56.1177	4,489.41	9,727.06	116,724.81
		STEP G	58.9238	4,713.90	10,213.45	122,561.50
3310	FINANCE SUPERVISOR					
		STEP A	36.3377	2,907.01	6,298.53	75,582.41
		STEP B	38.1543	3,052.34	6,613.41	79,360.94
		STEP C	40.0622	3,204.97	6,944.11	83,329.37
		STEP D	42.0654	3,365.23	7,291.33	87,496.03
		STEP E	44.1686	3,533.48	7,655.89	91,870.68
		STEP F	46.3770	3,710.16	8,038.68	96,464.16
		STEP G	48.6957	3,895.65	8,440.58	101,287.05

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Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
3391	FIRE BATALION CHIEF (8HR)					
		STEP A	51.1945	4,095.56	8,873.71	106,484.56
		STEP B	53.1586	4,252.68	9,214.15	110,569.88
		STEP C	55.8162	4,465.29	9,674.80	116,097.69
		STEP D	58.6075	4,688.60	10,158.63	121,903.60
		STEP E	61.5376	4,923.00	10,666.51	127,998.20
		STEP F	64.6146	5,169.16	11,199.86	134,398.36
		STEP G	67.8453	5,427.62	11,759.85	141,118.22
0905	FIRE BATTALION CHIEF (24HR)					
		STEP A	36.1622	4,050.16	8,775.36	105,304.32
		STEP B	37.9704	4,252.68	9,214.15	110,569.80
		STEP C	39.8687	4,465.29	9,674.80	116,097.65
		STEP D	41.8625	4,688.60	10,158.63	121,903.60
		STEP E	43.9555	4,923.01	10,666.53	127,998.41
		STEP F	46.1533	5,169.16	11,199.86	134,398.40
		STEP G	48.4609	5,427.62	11,759.84	141,118.14
3330	FIRE CHIEF					
		STEP A	72.7667	5,821.33	12,612.89	151,354.73
		STEP B	76.4051	6,112.40	13,243.55	158,922.60
		STEP C	80.2252	6,418.01	13,905.70	166,868.41
		STEP D	84.2366	6,738.92	14,601.01	175,212.12
		STEP E	88.4484	7,075.87	15,331.05	183,972.67
		STEP F	92.8706	7,429.64	16,097.57	193,170.84
		STEP G	97.5142	7,801.13	16,902.46	202,829.53
3332	FIRE DIVISION CHIEF					
		STEP A	55.6902	4,455.21	9,652.96	115,835.61
		STEP B	58.4747	4,677.97	10,135.61	121,627.37
		STEP C	61.3984	4,911.87	10,642.38	127,708.67
		STEP D	64.4683	5,157.46	11,174.50	134,094.06
		STEP E	67.6918	5,415.34	11,733.24	140,798.94
		STEP F	71.0764	5,686.11	12,319.90	147,838.91
		STEP G	74.6301	5,970.40	12,935.88	155,230.60
3392	FLEET MANAGER					
		STEP A	40.5824	3,246.59	7,034.28	84,411.39
		STEP B	42.6113	3,408.90	7,385.95	88,631.50
		STEP C	44.7419	3,579.35	7,755.26	93,063.15
		STEP D	46.9790	3,758.32	8,143.02	97,716.32
		STEP E	49.3282	3,946.25	8,550.22	102,602.65
		STEP F	51.7947	4,143.57	8,977.74	107,732.97
		STEP G	54.3840	4,350.72	9,426.56	113,118.72

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Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
3451	GOVERNMENT RELATIONS ADMINISTR					
		STEP A	43.9043	3,512.34	7,610.07	91,320.94
		STEP B	46.0995	3,687.96	7,990.58	95,886.96
		STEP C	48.4044	3,872.35	8,390.09	100,681.15
		STEP D	50.8248	4,065.98	8,809.63	105,715.58
		STEP E	53.3660	4,269.28	9,250.10	111,001.28
		STEP F	56.0343	4,482.74	9,712.61	116,551.34
		STEP G	58.8358	4,706.86	10,198.20	122,378.46
3589	HOUSING MANAGER					
		STEP A	43.4430	3,475.44	7,530.12	90,361.44
		STEP B	45.6170	3,649.36	7,906.94	94,883.36
		STEP C	47.8979	3,831.83	8,302.30	99,627.63
		STEP D	50.2928	4,023.42	8,717.41	104,609.02
		STEP E	52.8074	4,224.59	9,153.28	109,839.39
		STEP F	55.4478	4,435.82	9,610.95	115,331.42
		STEP G	58.2202	4,657.61	10,091.50	121,098.01
3590	HOUSING SUPERVISOR					
		STEP A	36.5872	2,926.97	6,341.78	76,101.37
		STEP B	38.4165	3,073.32	6,658.86	79,906.32
		STEP C	40.3372	3,226.97	6,991.78	83,901.37
		STEP D	42.3541	3,388.32	7,341.37	88,096.52
		STEP E	44.4717	3,557.73	7,708.42	92,501.13
		STEP F	46.6954	3,735.63	8,093.86	97,126.43
		STEP G	49.0301	3,922.40	8,498.55	101,982.60
3594	HUMAN RESOURCES ANALYST I					
		STEP A	32.2511	2,580.08	5,590.19	67,082.28
		STEP B	33.8636	2,709.08	5,869.69	70,436.28
		STEP C	35.5567	2,844.53	6,163.16	73,957.93
		STEP D	37.3346	2,986.76	6,471.33	77,655.96
		STEP E	39.2014	3,136.11	6,794.90	81,538.91
		STEP F	41.1614	3,292.91	7,134.64	85,615.71
		STEP G	43.2195	3,457.56	7,491.38	89,896.56
3596	HUMAN RESOURCES ANALYST II					
		STEP A	35.4797	2,838.37	6,149.81	73,797.77
		STEP B	37.2537	2,980.29	6,457.30	77,487.69
		STEP C	39.1163	3,129.30	6,780.15	81,361.90
		STEP D	41.0722	3,285.77	7,119.18	85,430.17
		STEP E	43.1258	3,450.06	7,475.13	89,701.66
		STEP F	45.2821	3,622.56	7,848.89	94,186.76
		STEP G	47.5462	3,803.69	8,241.34	98,896.09

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Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
3598	HUMAN RESOURCES DIRECTOR					
		STEP A	61.0708	4,885.66	10,585.60	127,027.26
		STEP B	64.1243	5,129.94	11,114.87	133,378.54
		STEP C	67.3305	5,386.44	11,670.62	140,047.44
		STEP D	70.6971	5,655.76	12,254.16	147,049.96
		STEP E	74.2321	5,938.56	12,866.89	154,402.76
		STEP F	77.9437	6,235.49	13,510.24	162,122.89
		STEP G	81.8408	6,547.26	14,185.73	170,228.86
3599	HUMAN RESOURCES MANAGER					
		STEP A	41.6683	3,333.46	7,222.50	86,670.06
		STEP B	43.7518	3,500.14	7,583.64	91,003.74
		STEP C	45.9395	3,675.16	7,962.84	95,554.16
		STEP D	48.2364	3,858.91	8,360.97	100,331.71
		STEP E	50.6482	4,051.85	8,779.02	105,348.25
		STEP F	53.1808	4,254.46	9,218.00	110,616.06
		STEP G	55.8398	4,467.18	9,678.89	116,146.78
3625	INFO SECURITY ADMINISTRATOR					
		STEP A	42.8581	3,428.64	7,428.73	89,144.84
		STEP B	45.0010	3,600.08	7,800.17	93,602.08
		STEP C	47.2510	3,780.08	8,190.17	98,282.08
		STEP D	49.6135	3,969.08	8,599.67	103,196.08
		STEP E	52.0942	4,167.53	9,029.66	108,355.93
		STEP F	54.6989	4,375.91	9,481.14	113,773.71
		STEP G	57.4339	4,594.71	9,955.20	119,462.51
3740	INTERPRETIVE SRVCS SUPERVISOR					
		STEP A	34.8445	2,787.56	6,039.71	72,476.56
		STEP B	36.5866	2,926.92	6,341.67	76,100.12
		STEP C	38.4161	3,073.28	6,658.79	79,905.48
		STEP D	40.3369	3,226.95	6,991.72	83,900.75
		STEP E	42.3537	3,388.29	7,341.30	88,095.69
		STEP F	44.4713	3,557.70	7,708.35	92,500.30
		STEP G	46.6949	3,735.59	8,093.78	97,125.39
3601	IT DIVISION MANAGER					
		STEP A	48.3018	3,864.14	8,372.31	100,467.74
		STEP B	50.7170	4,057.36	8,790.94	105,491.36
		STEP C	53.2529	4,260.23	9,230.50	110,766.03
		STEP D	55.9154	4,473.23	9,692.00	116,304.03
		STEP E	58.7112	4,696.89	10,176.60	122,119.29
		STEP F	61.6468	4,931.74	10,685.44	128,225.34
		STEP G	64.7291	5,178.32	11,219.71	134,636.52

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Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
3602	IT PROGRAM MANAGER					
		STEP A	43.9092	3,512.73	7,610.92	91,331.13
		STEP B	46.1046	3,688.36	7,991.46	95,897.56
		STEP C	48.4098	3,872.78	8,391.03	100,692.38
		STEP D	50.8304	4,066.43	8,810.60	105,727.23
		STEP E	53.3719	4,269.75	9,251.12	111,013.55
		STEP F	56.0403	4,483.22	9,713.65	116,563.82
		STEP G	58.8424	4,707.39	10,199.34	122,392.19
3810	KEY ACCOUNTS REPRESENTATIVE					
		STEP A	47.6233	3,809.86	8,254.70	99,056.46
		STEP B	50.0044	4,000.35	8,667.42	104,009.15
		STEP C	52.5047	4,200.37	9,100.81	109,209.77
		STEP D	55.1299	4,410.39	9,555.84	114,670.19
		STEP E	57.8863	4,630.90	10,033.62	120,403.50
		STEP F	60.7806	4,862.44	10,535.30	126,423.64
		STEP G	63.8196	5,105.56	11,062.06	132,744.76
4246	LIBRARY SUPERVISOR					
		STEP A	32.1157	2,569.25	5,566.72	66,800.65
		STEP B	33.7218	2,697.74	5,845.11	70,141.34
		STEP C	35.4077	2,832.61	6,137.33	73,648.01
		STEP D	37.1782	2,974.25	6,444.22	77,330.65
		STEP E	39.0370	3,122.96	6,766.41	81,196.96
		STEP F	40.9889	3,279.11	7,104.74	85,256.91
		STEP G	43.0383	3,443.06	7,459.97	89,519.66
4449	MANAGEMENT ANALYST					
		STEP A	38.4165	3,073.32	6,658.86	79,906.32
		STEP B	40.3372	3,226.97	6,991.78	83,901.37
		STEP C	42.3541	3,388.32	7,341.37	88,096.52
		STEP D	44.4717	3,557.73	7,708.42	92,501.13
		STEP E	46.6954	3,735.63	8,093.86	97,126.43
		STEP F	49.0301	3,922.40	8,498.55	101,982.60
		STEP G	51.4815	4,118.52	8,923.46	107,081.52
4509	MAPPING SUPERVISOR					
		STEP A	36.5871	2,926.96	6,341.76	76,101.16
		STEP B	38.4164	3,073.31	6,658.84	79,906.11
		STEP C	40.3371	3,226.96	6,991.76	83,901.16
		STEP D	42.3539	3,388.31	7,341.34	88,096.11
		STEP E	44.4716	3,557.72	7,708.41	92,500.92
		STEP F	46.6952	3,735.61	8,093.83	97,126.01
		STEP G	49.0301	3,922.40	8,498.55	101,982.60

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Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
4546	METER SERVICES SUPERVISOR					
		STEP A	32.1143	2,569.14	5,566.47	66,797.74
		STEP B	33.7200	2,697.60	5,844.80	70,137.60
		STEP C	35.4061	2,832.48	6,137.05	73,644.68
		STEP D	37.1762	2,974.09	6,443.87	77,326.49
		STEP E	39.0351	3,122.80	6,766.08	81,193.00
		STEP F	40.9869	3,278.95	7,104.39	85,252.75
		STEP G	43.0360	3,442.88	7,459.57	89,514.88
4960	OPEN SPACE SUPERINTENDENT					
		STEP A	40.3361	3,226.88	6,991.59	83,899.08
		STEP B	42.3530	3,388.24	7,341.18	88,094.24
		STEP C	44.4707	3,557.65	7,708.25	92,499.05
		STEP D	46.6942	3,735.53	8,093.66	97,123.93
		STEP E	49.0292	3,922.33	8,498.39	101,980.73
		STEP F	51.4803	4,118.42	8,923.25	107,079.02
		STEP G	54.0543	4,324.34	9,369.41	112,432.94
5020	PARK DEVELOPMENT ANALYST I					
		STEP A	33.2609	2,660.87	5,765.22	69,182.67
		STEP B	34.9239	2,793.91	6,053.47	72,641.71
		STEP C	36.6700	2,933.60	6,356.13	76,273.60
		STEP D	38.5037	3,080.29	6,673.97	80,087.69
		STEP E	40.4288	3,234.30	7,007.65	84,091.90
		STEP F	42.4503	3,396.02	7,358.05	88,296.62
		STEP G	44.5728	3,565.82	7,725.95	92,711.42
5022	PARK DEVELOPMENT ANALYST II					
		STEP A	36.5872	2,926.97	6,341.78	76,101.37
		STEP B	38.4165	3,073.32	6,658.86	79,906.32
		STEP C	40.3372	3,226.97	6,991.78	83,901.37
		STEP D	42.3541	3,388.32	7,341.37	88,096.52
		STEP E	44.4717	3,557.73	7,708.42	92,501.13
		STEP F	46.6954	3,735.63	8,093.86	97,126.43
		STEP G	49.0301	3,922.40	8,498.55	101,982.60
5024	PARK PLANNING & DEVELOPMT SUPT					
		STEP A	40.3363	3,226.90	6,991.62	83,899.50
		STEP B	42.3531	3,388.24	7,341.20	88,094.44
		STEP C	44.4708	3,557.66	7,708.27	92,499.26
		STEP D	46.6942	3,735.53	8,093.66	97,123.93
		STEP E	49.0293	3,922.34	8,498.41	101,980.94
		STEP F	51.4805	4,118.44	8,923.28	107,079.44
		STEP G	54.0543	4,324.34	9,369.41	112,432.94

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Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
5090	PARKS SUPERINTENDENT					
		STEP A	40.3363	3,226.90	6,991.62	83,899.50
		STEP B	42.3531	3,388.24	7,341.20	88,094.44
		STEP C	44.4708	3,557.66	7,708.27	92,499.26
		STEP D	46.6942	3,735.53	8,093.66	97,123.93
		STEP E	49.0293	3,922.34	8,498.41	101,980.94
		STEP F	51.4805	4,118.44	8,923.28	107,079.44
		STEP G	54.0543	4,324.34	9,369.41	112,432.94
5069	PARKS SUPERVISOR					
		STEP A	34.8445	2,787.56	6,039.71	72,476.56
		STEP B	36.5867	2,926.93	6,341.69	76,100.33
		STEP C	38.4162	3,073.29	6,658.80	79,905.69
		STEP D	40.3369	3,226.95	6,991.72	83,900.75
		STEP E	42.3537	3,388.29	7,341.30	88,095.69
		STEP F	44.4713	3,557.70	7,708.35	92,500.30
		STEP G	46.6949	3,735.59	8,093.78	97,125.39
5082	PARKS,REC & LIBRARIES DIRECTOR					
		STEP A	66.0802	5,286.41	11,453.90	137,446.81
		STEP B	69.3842	5,550.73	12,026.59	144,319.13
		STEP C	72.8533	5,828.26	12,627.90	151,534.86
		STEP D	76.4960	6,119.68	13,259.30	159,111.68
		STEP E	80.3208	6,425.66	13,922.27	167,067.26
		STEP F	84.3370	6,746.96	14,618.41	175,420.96
		STEP G	88.5538	7,084.30	15,349.32	184,191.90
5010	PARKS,REC & LIBRARY BUS ADMSTR					
		STEP A	40.2452	3,219.61	6,975.83	83,710.01
		STEP B	42.2576	3,380.60	7,324.65	87,895.80
		STEP C	44.3703	3,549.62	7,690.85	92,290.22
		STEP D	46.5888	3,727.10	8,075.39	96,904.70
		STEP E	48.9184	3,913.47	8,479.18	101,750.27
		STEP F	51.3641	4,109.12	8,903.11	106,837.32
		STEP G	53.9324	4,314.59	9,348.28	112,179.39
5309	PLANNING MANAGER					
		STEP A	55.5189	4,441.51	9,623.27	115,479.31
		STEP B	58.2948	4,663.58	10,104.43	121,253.18
		STEP C	61.2096	4,896.76	10,609.66	127,315.96
		STEP D	64.2701	5,141.60	11,140.15	133,681.80
		STEP E	67.4837	5,398.69	11,697.17	140,366.09
		STEP F	70.8579	5,668.63	12,282.03	147,384.43
		STEP G	74.4007	5,952.05	12,896.12	154,753.45

CITY OF ROSEVILLE

SALARY SCHEDULE A

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGMT MANAGEMENT

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
5400	POLICE CAPTAIN	STEP A	57.9703	4,637.62	10,048.18	120,578.22
		STEP B	60.8689	4,869.51	10,550.60	126,607.31
		STEP C	63.9122	5,112.97	11,078.11	132,937.37
		STEP D	67.1080	5,368.64	11,632.05	139,584.64
		STEP E	70.4634	5,637.07	12,213.65	146,563.87
		STEP F	73.9863	5,918.90	12,824.29	153,891.50
		STEP G	77.6857	6,214.85	13,465.52	161,586.25
5410	POLICE CHIEF	STEP A	77.9578	6,236.62	13,512.68	162,152.22
		STEP B	81.8558	6,548.46	14,188.33	170,260.06
		STEP C	85.9485	6,875.88	14,897.74	178,772.88
		STEP D	90.2460	7,219.68	15,642.64	187,711.68
		STEP E	94.7583	7,580.66	16,424.77	197,097.26
		STEP F	99.4962	7,959.69	17,246.00	206,952.09
		STEP G	104.4707	8,357.65	18,108.25	217,299.05
5420	POLICE LIEUTENANT	STEP A	52.6215	4,209.72	9,121.06	109,452.72
		STEP B	55.2526	4,420.20	9,577.11	114,925.40
		STEP C	58.0155	4,641.24	10,056.02	120,672.24
		STEP D	60.9162	4,873.29	10,558.80	126,705.69
		STEP E	63.9619	5,116.95	11,086.72	133,040.75
		STEP F	67.1599	5,372.79	11,641.04	139,692.59
		STEP G	70.5178	5,641.42	12,223.08	146,677.02
5489	POLICE SERVICES ADMINISTRATOR	STEP A	41.4691	3,317.52	7,187.97	86,255.72
		STEP B	43.5427	3,483.41	7,547.40	90,568.81
		STEP C	45.7198	3,657.58	7,924.76	95,097.18
		STEP D	48.0058	3,840.46	8,321.00	99,852.06
		STEP E	50.4061	4,032.48	8,737.05	104,844.68
		STEP F	52.9264	4,234.11	9,173.90	110,086.91
		STEP G	55.5728	4,445.82	9,632.61	115,591.42
5485	POLICE SOCIAL SVCS ADMINSTR	STEP A	43.9043	3,512.34	7,610.07	91,320.94
		STEP B	46.0995	3,687.96	7,990.58	95,886.96
		STEP C	48.4044	3,872.35	8,390.09	100,681.15
		STEP D	50.8248	4,065.98	8,809.63	105,715.58
		STEP E	53.3660	4,269.28	9,250.10	111,001.28
		STEP F	56.0343	4,482.74	9,712.61	116,551.34
		STEP G	58.8358	4,706.86	10,198.20	122,378.46

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MGMT MANAGEMENT

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
5505	POWER ENGINEERING MANAGER					
		STEP A	67.5845	5,406.76	11,714.64	140,575.76
		STEP B	70.9637	5,677.09	12,300.37	147,604.49
		STEP C	74.5119	5,960.95	12,915.39	154,984.75
		STEP D	78.2374	6,258.99	13,561.14	162,733.79
		STEP E	82.1493	6,571.94	14,239.21	170,870.54
		STEP F	86.2569	6,900.55	14,951.19	179,414.35
		STEP G	90.5697	7,245.57	15,698.74	188,384.97
5600	POWER GENERATION SUPERTINDENT					
		STEP A	62.0272	4,962.17	10,751.38	129,016.57
		STEP B	65.1286	5,210.28	11,288.95	135,467.48
		STEP C	68.3849	5,470.79	11,853.38	142,240.59
		STEP D	71.8041	5,744.32	12,446.04	149,352.52
		STEP E	75.3944	6,031.55	13,068.36	156,820.35
		STEP F	79.1642	6,333.13	13,721.79	164,661.53
		STEP G	83.1225	6,649.80	14,407.90	172,894.80
5530	POWER PLANT OPS & MAINT SUPV					
		STEP A	59.0692	4,725.53	10,238.66	122,863.93
		STEP B	62.0227	4,961.81	10,750.60	129,007.21
		STEP C	65.1239	5,209.91	11,288.14	135,457.71
		STEP D	68.3800	5,470.40	11,852.53	142,230.40
		STEP E	71.7990	5,743.92	12,445.16	149,341.92
		STEP F	75.3889	6,031.11	13,067.40	156,808.91
		STEP G	79.1584	6,332.67	13,720.78	164,649.47
5535	POWER SUPPLY & PORTFOLIO ADMST					
		STEP A	64.1688	5,133.50	11,122.59	133,471.10
		STEP B	67.3774	5,390.19	11,678.74	140,144.99
		STEP C	70.7462	5,659.69	12,262.67	147,152.09
		STEP D	74.2836	5,942.68	12,875.82	154,509.88
		STEP E	77.9977	6,239.81	13,519.60	162,235.21
		STEP F	81.8976	6,551.80	14,195.58	170,347.00
		STEP G	85.9924	6,879.39	14,905.34	178,864.19
5519	PREVENTATIVE MAINT SUPERVISOR					
		STEP A	42.7162	3,417.29	7,404.14	88,849.69
		STEP B	44.8518	3,588.14	7,774.31	93,291.74
		STEP C	47.0943	3,767.54	8,163.01	97,956.14
		STEP D	49.4492	3,955.93	8,571.19	102,854.33
		STEP E	51.9218	4,153.74	8,999.77	107,997.34
		STEP F	54.5179	4,361.43	9,449.76	113,397.23
		STEP G	57.2435	4,579.48	9,922.20	119,066.48

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Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
5514	PRINCIPAL ENGINEER					
		STEP A	50.2219	4,017.75	8,705.12	104,461.55
		STEP B	52.7328	4,218.62	9,140.35	109,684.22
		STEP C	55.3696	4,429.56	9,597.39	115,168.76
		STEP D	58.1381	4,651.04	10,077.27	120,927.24
		STEP E	61.0451	4,883.60	10,581.15	126,973.80
		STEP F	64.0975	5,127.80	11,110.23	133,322.80
		STEP G	67.3020	5,384.16	11,665.68	139,988.16
5513	PRINCIPAL PLANNER					
		STEP A	46.3792	3,710.33	8,039.06	96,468.73
		STEP B	48.6982	3,895.85	8,441.02	101,292.25
		STEP C	51.1330	4,090.64	8,863.05	106,356.64
		STEP D	53.6897	4,295.17	9,306.21	111,674.57
		STEP E	56.3742	4,509.93	9,771.52	117,258.33
		STEP F	59.1928	4,735.42	10,260.08	123,121.02
		STEP G	62.1526	4,972.20	10,773.11	129,277.40
5615	PUB AFFAIRS&COMMUNICAT ADMNSTR					
		STEP A	43.9043	3,512.34	7,610.07	91,320.94
		STEP B	46.0995	3,687.96	7,990.58	95,886.96
		STEP C	48.4044	3,872.35	8,390.09	100,681.15
		STEP D	50.8248	4,065.98	8,809.63	105,715.58
		STEP E	53.3660	4,269.28	9,250.10	111,001.28
		STEP F	56.0343	4,482.74	9,712.61	116,551.34
		STEP G	58.8358	4,706.86	10,198.20	122,378.46
5610	PUBLIC AFFAIRS&COMMNCT DIRECTOR					
		STEP A	55.5188	4,441.50	9,623.25	115,479.10
		STEP B	58.2948	4,663.58	10,104.43	121,253.18
		STEP C	61.2096	4,896.76	10,609.66	127,315.96
		STEP D	64.2701	5,141.60	11,140.15	133,681.80
		STEP E	67.4836	5,398.68	11,697.15	140,365.88
		STEP F	70.8579	5,668.63	12,282.03	147,384.43
		STEP G	74.4006	5,952.04	12,896.10	154,753.24
5565	PUBLIC INFORMATION OFFICER					
		STEP A	39.5842	3,166.73	6,861.26	82,335.13
		STEP B	41.5635	3,325.08	7,204.34	86,452.08
		STEP C	43.6417	3,491.33	7,564.56	90,774.73
		STEP D	45.8237	3,665.89	7,942.77	95,313.29
		STEP E	48.1148	3,849.18	8,339.89	100,078.78
		STEP F	50.5207	4,041.65	8,756.92	105,083.05
		STEP G	53.0467	4,243.73	9,194.76	110,337.13

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MGMT MANAGEMENT

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
5635	PUBLIC WORKS DIRECTOR					
		STEP A	60.9892	4,879.13	10,571.46	126,857.53
		STEP B	64.0388	5,123.10	11,100.05	133,200.70
		STEP C	67.2407	5,379.25	11,655.05	139,860.65
		STEP D	70.6027	5,648.21	12,237.80	146,853.61
		STEP E	74.1329	5,930.63	12,849.70	154,196.43
		STEP F	77.8396	6,227.16	13,492.19	161,906.36
		STEP G	81.7316	6,538.52	14,166.81	170,001.72
5652	PURCHASING & WAREHOUSE MANAGER					
		STEP A	40.7316	3,258.52	7,060.14	84,721.72
		STEP B	42.7680	3,421.44	7,413.12	88,957.44
		STEP C	44.9065	3,592.52	7,783.79	93,405.52
		STEP D	47.1518	3,772.14	8,172.97	98,075.74
		STEP E	49.5096	3,960.76	8,581.66	102,979.96
		STEP F	51.9851	4,158.80	9,010.75	108,129.00
		STEP G	54.5840	4,366.72	9,461.22	113,534.72
6125	RECREATION MANAGER					
		STEP A	46.0837	3,686.69	7,987.84	95,854.09
		STEP B	48.3880	3,871.04	8,387.25	100,647.04
		STEP C	50.8072	4,064.57	8,806.58	105,678.97
		STEP D	53.3476	4,267.80	9,246.91	110,963.00
		STEP E	56.0151	4,481.20	9,709.28	116,511.40
		STEP F	58.8160	4,705.28	10,194.77	122,337.28
		STEP G	61.7566	4,940.52	10,704.47	128,453.72
6145	RECREATION SUPERINTENDENT					
		STEP A	40.3363	3,226.90	6,991.62	83,899.50
		STEP B	42.3531	3,388.24	7,341.20	88,094.44
		STEP C	44.4708	3,557.66	7,708.27	92,499.26
		STEP D	46.6942	3,735.53	8,093.66	97,123.93
		STEP E	49.0293	3,922.34	8,498.41	101,980.94
		STEP F	51.4805	4,118.44	8,923.28	107,079.44
		STEP G	54.0543	4,324.34	9,369.41	112,432.94
6147	RECREATION SUPERVISOR					
		STEP A	34.8445	2,787.56	6,039.71	72,476.56
		STEP B	36.5867	2,926.93	6,341.69	76,100.33
		STEP C	38.4162	3,073.29	6,658.80	79,905.69
		STEP D	40.3369	3,226.95	6,991.72	83,900.75
		STEP E	42.3537	3,388.29	7,341.30	88,095.69
		STEP F	44.4713	3,557.70	7,708.35	92,500.30
		STEP G	46.6949	3,735.59	8,093.78	97,125.39

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Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
6244	REFUSE & STORMWATER MANAGER					
		STEP A	51.6223	4,129.78	8,947.86	107,374.38
		STEP B	54.2034	4,336.27	9,395.25	112,743.07
		STEP C	56.9136	4,553.08	9,865.02	118,380.28
		STEP D	59.7593	4,780.74	10,358.27	124,299.34
		STEP E	62.7473	5,019.78	10,876.19	130,514.38
		STEP F	65.8846	5,270.76	11,420.00	137,039.96
		STEP G	69.1788	5,534.30	11,990.99	143,891.90
6231	REFUSE SUPERINTENDENT					
		STEP A	40.0712	3,205.69	6,945.67	83,348.09
		STEP B	42.0747	3,365.97	7,292.94	87,515.37
		STEP C	44.1783	3,534.26	7,657.57	91,890.86
		STEP D	46.3875	3,711.00	8,040.50	96,486.00
		STEP E	48.7067	3,896.53	8,442.49	101,309.93
		STEP F	51.1420	4,091.36	8,864.61	106,375.36
		STEP G	53.6991	4,295.92	9,307.84	111,694.12
6235	REFUSE SUPERVISOR					
		STEP A	33.7592	2,700.73	5,851.59	70,219.13
		STEP B	35.4472	2,835.77	6,144.18	73,730.17
		STEP C	37.2197	2,977.57	6,451.41	77,416.97
		STEP D	39.0799	3,126.39	6,773.84	81,286.19
		STEP E	41.0339	3,282.71	7,112.54	85,350.51
		STEP F	43.0854	3,446.83	7,468.13	89,617.63
		STEP G	45.2399	3,619.19	7,841.58	94,098.99
6242	REFUSE UTILITY MANAGER					
		STEP A	50.8512	4,068.09	8,814.20	105,770.49
		STEP B	53.3936	4,271.48	9,254.89	111,058.68
		STEP C	56.0634	4,485.07	9,717.65	116,611.87
		STEP D	58.8664	4,709.31	10,203.50	122,442.11
		STEP E	61.8098	4,944.78	10,713.69	128,564.38
		STEP F	64.9004	5,192.03	11,249.40	134,992.83
		STEP G	68.1453	5,451.62	11,811.85	141,742.22
6450	RISK MANAGER					
		STEP A	44.2702	3,541.61	7,673.50	92,082.01
		STEP B	46.4838	3,718.70	8,057.19	96,686.30
		STEP C	48.8080	3,904.64	8,460.05	101,520.64
		STEP D	51.2482	4,099.85	8,883.02	106,596.25
		STEP E	53.8108	4,304.86	9,327.20	111,926.46
		STEP F	56.5012	4,520.09	9,793.54	117,522.49
		STEP G	59.3263	4,746.10	10,283.22	123,398.70

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Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
6500	SAFETY COORDINATOR					
		STEP A	36.5871	2,926.96	6,341.76	76,101.16
		STEP B	38.4164	3,073.31	6,658.84	79,906.11
		STEP C	40.3371	3,226.96	6,991.76	83,901.16
		STEP D	42.3539	3,388.31	7,341.34	88,096.11
		STEP E	44.4716	3,557.72	7,708.41	92,500.92
		STEP F	46.6952	3,735.61	8,093.83	97,126.01
		STEP G	49.0301	3,922.40	8,498.55	101,982.60
7130	SR BUSINESS SYSTEMS ANALYST					
		STEP A	34.7663	2,781.30	6,026.15	72,313.90
		STEP B	36.5046	2,920.36	6,327.46	75,929.56
		STEP C	38.3298	3,066.38	6,643.83	79,725.98
		STEP D	40.2463	3,219.70	6,976.02	83,712.30
		STEP E	42.2586	3,380.68	7,324.82	87,897.88
		STEP F	44.3716	3,549.72	7,691.07	92,292.92
		STEP G	46.5900	3,727.20	8,075.60	96,907.20
7145	SR DATABASE ANALYST					
		STEP A	38.1818	3,054.54	6,618.17	79,418.14
		STEP B	40.0910	3,207.28	6,949.10	83,389.28
		STEP C	42.0955	3,367.64	7,296.55	87,558.64
		STEP D	44.2002	3,536.01	7,661.36	91,936.41
		STEP E	46.4103	3,712.82	8,044.45	96,533.42
		STEP F	48.7307	3,898.45	8,446.65	101,359.85
		STEP G	51.1673	4,093.38	8,869.00	106,427.98
7123	SR DEPUTY CITY ATTORNEY					
		STEP A	59.7687	4,781.49	10,359.90	124,318.89
		STEP B	62.7574	5,020.59	10,877.94	130,535.39
		STEP C	65.8951	5,271.60	11,421.81	137,061.80
		STEP D	69.1899	5,535.19	11,992.91	143,914.99
		STEP E	72.6495	5,811.96	12,592.58	151,110.96
		STEP F	76.2818	6,102.54	13,222.17	158,666.14
		STEP G	80.0958	6,407.66	13,883.27	166,599.26
7128	SR ELECTRIC BUSINESS ANALYST					
		STEP A	47.5668	3,805.34	8,244.91	98,938.94
		STEP B	49.9452	3,995.61	8,657.16	103,886.01
		STEP C	52.4425	4,195.40	9,090.03	109,080.40
		STEP D	55.0646	4,405.16	9,544.53	114,534.36
		STEP E	57.8179	4,625.43	10,021.76	120,261.23
		STEP F	60.7088	4,856.70	10,522.85	126,274.30
		STEP G	63.7442	5,099.53	11,048.99	132,587.93

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Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
7163	SR ENERGY SERVICES ACCOUNT REP					
		STEP A	47.6233	3,809.86	8,254.70	99,056.46
		STEP B	50.0044	4,000.35	8,667.42	104,009.15
		STEP C	52.5047	4,200.37	9,100.81	109,209.77
		STEP D	55.1299	4,410.39	9,555.84	114,670.19
		STEP E	57.8863	4,630.90	10,033.62	120,403.50
		STEP F	60.7806	4,862.44	10,535.30	126,423.64
		STEP G	63.8196	5,105.56	11,062.06	132,744.76
7142	SR ENGINEER					
		STEP A	42.7247	3,417.97	7,405.61	88,867.37
		STEP B	44.8610	3,588.88	7,775.90	93,310.88
		STEP C	47.1040	3,768.32	8,164.69	97,976.32
		STEP D	49.4593	3,956.74	8,572.94	102,875.34
		STEP E	51.9321	4,154.56	9,001.56	108,018.76
		STEP F	54.5288	4,362.30	9,451.65	113,419.90
		STEP G	57.2552	4,580.41	9,924.23	119,090.81
7150	SR HUMAN RESOURCES ANALYST					
		STEP A	38.4165	3,073.32	6,658.86	79,906.32
		STEP B	40.3372	3,226.97	6,991.78	83,901.37
		STEP C	42.3541	3,388.32	7,341.37	88,096.52
		STEP D	44.4717	3,557.73	7,708.42	92,501.13
		STEP E	46.6954	3,735.63	8,093.86	97,126.43
		STEP F	49.0301	3,922.40	8,498.55	101,982.60
		STEP G	51.4815	4,118.52	8,923.46	107,081.52
7194	SR IT ANALYST					
		STEP A	34.8115	2,784.92	6,033.99	72,407.92
		STEP B	36.5520	2,924.16	6,335.68	76,028.16
		STEP C	38.3796	3,070.36	6,652.46	79,829.56
		STEP D	40.2987	3,223.89	6,985.10	83,821.29
		STEP E	42.3135	3,385.08	7,334.34	88,012.08
		STEP F	44.4293	3,554.34	7,701.07	92,412.94
		STEP G	46.6506	3,732.04	8,086.10	97,033.24
7180	SR PLANNER					
		STEP A	40.3307	3,226.45	6,990.65	83,887.85
		STEP B	42.3473	3,387.78	7,340.19	88,082.38
		STEP C	44.4646	3,557.16	7,707.19	92,486.36
		STEP D	46.6877	3,735.01	8,092.53	97,110.41
		STEP E	49.0223	3,921.78	8,497.19	101,966.38
		STEP F	51.4734	4,117.87	8,922.05	107,064.67
		STEP G	54.0470	4,323.76	9,368.14	112,417.76

CITY OF ROSEVILLE

SALARY SCHEDULE A

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGMT MANAGEMENT

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
7151	SR POWER ENGINEER					
		STEP A	59.8134	4,785.07	10,367.65	124,411.87
		STEP B	62.8043	5,024.34	10,886.07	130,632.94
		STEP C	65.9443	5,275.54	11,430.34	137,164.14
		STEP D	69.2416	5,539.32	12,001.87	144,022.52
		STEP E	72.7036	5,816.28	12,601.95	151,223.48
		STEP F	76.3389	6,107.11	13,232.07	158,784.91
		STEP G	80.1558	6,412.46	13,893.67	166,724.06
5555	SR POWER PLANT ENGINEER					
		STEP A	59.8134	4,785.07	10,367.65	124,411.87
		STEP B	62.8043	5,024.34	10,886.07	130,632.94
		STEP C	65.9443	5,275.54	11,430.34	137,164.14
		STEP D	69.2416	5,539.32	12,001.87	144,022.52
		STEP E	72.7036	5,816.28	12,601.95	151,223.48
		STEP F	76.3389	6,107.11	13,232.07	158,784.91
		STEP G	80.1558	6,412.46	13,893.67	166,724.06
7520	STREET MAINT SUPERINTENDENT					
		STEP A	42.7162	3,417.29	7,404.14	88,849.69
		STEP B	44.8518	3,588.14	7,774.31	93,291.74
		STEP C	47.0943	3,767.54	8,163.01	97,956.14
		STEP D	49.4492	3,955.93	8,571.19	102,854.33
		STEP E	51.9218	4,153.74	8,999.77	107,997.34
		STEP F	54.5179	4,361.43	9,449.76	113,397.23
		STEP G	57.2435	4,579.48	9,922.20	119,066.48
7522	STREET MAINT SUPERVISOR					
		STEP A	32.5213	2,601.70	5,637.02	67,644.30
		STEP B	34.1472	2,731.77	5,918.84	71,026.17
		STEP C	35.8546	2,868.36	6,214.79	74,577.56
		STEP D	37.6474	3,011.79	6,525.54	78,306.59
		STEP E	39.5298	3,162.38	6,851.83	82,221.98
		STEP F	41.5063	3,320.50	7,194.42	86,333.10
		STEP G	43.5816	3,486.52	7,554.14	90,649.72
8762	URBAN FORESTER					
		STEP A	34.8445	2,787.56	6,039.71	72,476.56
		STEP B	36.5866	2,926.92	6,341.67	76,100.12
		STEP C	38.4161	3,073.28	6,658.79	79,905.48
		STEP D	40.3369	3,226.95	6,991.72	83,900.75
		STEP E	42.3537	3,388.29	7,341.30	88,095.69
		STEP F	44.4713	3,557.70	7,708.35	92,500.30
		STEP G	46.6949	3,735.59	8,093.78	97,125.39

CITY OF ROSEVILLE

SALARY SCHEDULE A

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGMT MANAGEMENT

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
9047	WATER CONSERVATION ADMINSTR					
		STEP A	38.4381	3,075.04	6,662.60	79,951.24
		STEP B	40.3601	3,228.80	6,995.75	83,949.00
		STEP C	42.3780	3,390.24	7,345.52	88,146.24
		STEP D	44.4970	3,559.76	7,712.81	92,553.76
		STEP E	46.7218	3,737.74	8,098.44	97,181.34
		STEP F	49.0582	3,924.65	8,503.42	102,041.05
		STEP G	51.5109	4,120.87	8,928.55	107,142.67
9084	WATER DISTRIBUTION SUPERVISOR					
		STEP A	34.8445	2,787.56	6,039.71	72,476.56
		STEP B	36.5867	2,926.93	6,341.69	76,100.33
		STEP C	38.4162	3,073.29	6,658.80	79,905.69
		STEP D	40.3369	3,226.95	6,991.72	83,900.75
		STEP E	42.3537	3,388.29	7,341.30	88,095.69
		STEP F	44.4713	3,557.70	7,708.35	92,500.30
		STEP G	46.6949	3,735.59	8,093.78	97,125.39
9085	WATER DISTRIBUTION SUPT					
		STEP A	42.0794	3,366.35	7,293.76	87,525.15
		STEP B	44.8448	3,587.58	7,773.09	93,277.18
		STEP C	47.0871	3,766.96	8,161.76	97,941.16
		STEP D	49.4415	3,955.32	8,569.86	102,838.32
		STEP E	51.9135	4,153.08	8,998.34	107,980.08
		STEP F	54.5093	4,360.74	9,448.27	113,379.34
		STEP G	57.2346	4,578.76	9,920.66	119,047.96
9101	WATER QUALITY LAB SUPERVISOR					
		STEP A	36.5854	2,926.83	6,341.46	76,097.63
		STEP B	38.4146	3,073.16	6,658.53	79,902.36
		STEP C	40.3354	3,226.83	6,991.46	83,897.63
		STEP D	42.3521	3,388.16	7,341.03	88,092.36
		STEP E	44.4698	3,557.58	7,708.09	92,497.18
		STEP F	46.6932	3,735.45	8,093.48	97,121.85
		STEP G	49.0277	3,922.21	8,498.13	101,977.61
9175	WATER TRMT PLT CHIEF OPERATOR					
		STEP A	41.8116	3,344.92	7,247.34	86,968.12
		STEP B	43.9023	3,512.18	7,609.73	91,316.78
		STEP C	46.0973	3,687.78	7,990.19	95,882.38
		STEP D	48.4023	3,872.18	8,389.73	100,676.78
		STEP E	50.8222	4,065.77	8,809.18	105,710.17
		STEP F	53.3634	4,269.07	9,249.65	110,995.87
		STEP G	56.0315	4,482.52	9,712.12	116,545.52

CITY OF ROSEVILLE

SALARY SCHEDULE A

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGMT MANAGEMENT

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
9244	WATER UTILITY MANAGER					
		STEP A	56.5013	4,520.10	9,793.55	117,522.70
		STEP B	59.3265	4,746.12	10,283.26	123,399.12
		STEP C	62.2925	4,983.40	10,797.36	129,568.40
		STEP D	65.4073	5,232.58	11,337.26	136,047.18
		STEP E	68.6775	5,494.20	11,904.10	142,849.20
		STEP F	72.1113	5,768.90	12,499.29	149,991.50
		STEP G	75.7169	6,057.35	13,124.26	157,491.15
8980	WSTWTR COLLECTION SUPT					
		STEP A	42.7094	3,416.75	7,402.96	88,835.55
		STEP B	44.8448	3,587.58	7,773.09	93,277.18
		STEP C	47.0871	3,766.96	8,161.76	97,941.16
		STEP D	49.4415	3,955.32	8,569.86	102,838.32
		STEP E	51.9135	4,153.08	8,998.34	107,980.08
		STEP F	54.5093	4,360.74	9,448.27	113,379.34
		STEP G	57.2346	4,578.76	9,920.66	119,047.96
8978	WSTWTR COLLECTION SUPV					
		STEP A	34.8446	2,787.56	6,039.73	72,476.76
		STEP B	36.5867	2,926.93	6,341.69	76,100.33
		STEP C	38.4162	3,073.29	6,658.80	79,905.69
		STEP D	40.3369	3,226.95	6,991.72	83,900.75
		STEP E	42.3538	3,388.30	7,341.32	88,095.90
		STEP F	44.4713	3,557.70	7,708.35	92,500.30
		STEP G	46.6949	3,735.59	8,093.78	97,125.39
9040	WSTWTR TRMT PLT CHIEF OPERATOR					
		STEP A	45.9928	3,679.42	7,972.08	95,665.02
		STEP B	48.2926	3,863.40	8,370.71	100,448.60
		STEP C	50.7070	4,056.56	8,789.21	105,470.56
		STEP D	53.2425	4,259.40	9,228.70	110,744.40
		STEP E	55.9044	4,472.35	9,690.09	116,281.15
		STEP F	58.6998	4,695.98	10,174.63	122,095.58
		STEP G	61.6346	4,930.76	10,683.33	128,199.96
9045	WSTWTR UTILITY MANAGER					
		STEP A	56.5013	4,520.10	9,793.55	117,522.70
		STEP B	59.3265	4,746.12	10,283.26	123,399.12
		STEP C	62.2925	4,983.40	10,797.36	129,568.40
		STEP D	65.4073	5,232.58	11,337.26	136,047.18
		STEP E	68.6775	5,494.20	11,904.10	142,849.20
		STEP F	72.1113	5,768.90	12,499.29	149,991.50
		STEP G	75.7169	6,057.35	13,124.26	157,491.15

Appendix: C

Percentage:1.000

MGMT MANAGEMENT

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
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CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B700	ACCOUNTING MANAGER					
		STEP A	43.9697	3,517.57	7,621.41	91,456.97
		STEP B	45.0552	3,604.41	7,809.56	93,714.81
		STEP C	46.1679	3,693.43	8,002.43	96,029.23
		STEP D	47.3081	3,784.64	8,200.07	98,400.84
		STEP E	48.4764	3,878.11	8,402.57	100,830.91
		STEP F	49.6736	3,973.88	8,610.09	103,321.08
		STEP G	50.9003	4,072.02	8,822.71	105,872.62
		STEP H	52.1574	4,172.59	9,040.61	108,487.39
		STEP I	53.4454	4,275.63	9,263.86	111,166.43
		STEP J	54.7653	4,381.22	9,492.65	113,911.82
		STEP K	56.1178	4,489.42	9,727.08	116,725.02
		STEP L	57.5037	4,600.29	9,967.30	119,607.69
		STEP M	58.9238	4,713.90	10,213.45	122,561.50
B701	ACCOUNTING SUPERVISOR					
		STEP A	40.5385	3,243.08	7,026.67	84,320.08
		STEP B	41.5392	3,323.13	7,200.12	86,401.53
		STEP C	42.5651	3,405.20	7,377.95	88,535.40
		STEP D	43.6163	3,489.30	7,560.15	90,721.90
		STEP E	44.6934	3,575.47	7,746.85	92,962.27
		STEP F	45.7971	3,663.76	7,938.16	95,257.96
		STEP G	46.9282	3,754.25	8,134.22	97,610.65
		STEP H	48.0871	3,846.96	8,335.09	100,021.16
		STEP I	49.2747	3,941.97	8,540.94	102,491.37
		STEP J	50.4915	4,039.32	8,751.86	105,022.32
		STEP K	51.7385	4,139.08	8,968.00	107,616.08
		STEP L	53.0162	4,241.29	9,189.47	110,273.69
		STEP M	54.3255	4,346.04	9,416.42	112,997.04
B702	ADMIN ANALYST I					
		STEP A	33.2609	2,660.87	5,765.22	69,182.67
		STEP B	34.0820	2,726.56	5,907.54	70,890.56
		STEP C	34.9236	2,793.88	6,053.42	72,641.08
		STEP D	35.7861	2,862.88	6,202.92	74,435.08
		STEP E	36.6699	2,933.59	6,356.11	76,273.39
		STEP F	37.5755	3,006.04	6,513.08	78,157.04
		STEP G	38.5035	3,080.28	6,673.94	80,087.28
		STEP H	39.4543	3,156.34	6,838.74	82,064.94
		STEP I	40.4287	3,234.29	7,007.64	84,091.69
		STEP J	41.4271	3,314.16	7,180.69	86,168.36
		STEP K	42.4502	3,396.01	7,358.03	88,296.41
		STEP L	43.4986	3,479.88	7,539.75	90,477.08
		STEP M	44.5728	3,565.82	7,725.95	92,711.42

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B703	ADMIN ANALYST II					
		STEP A	36.5872	2,926.97	6,341.78	76,101.37
		STEP B	37.4902	2,999.21	6,498.30	77,979.61
		STEP C	38.4160	3,073.28	6,658.77	79,905.28
		STEP D	39.3647	3,149.17	6,823.21	81,878.57
		STEP E	40.3369	3,226.95	6,991.72	83,900.75
		STEP F	41.3331	3,306.64	7,164.40	85,972.84
		STEP G	42.3538	3,388.30	7,341.32	88,095.90
		STEP H	43.3998	3,471.98	7,522.63	90,271.58
		STEP I	44.4716	3,557.72	7,708.41	92,500.92
		STEP J	45.5699	3,645.59	7,898.78	94,785.39
		STEP K	46.6952	3,735.61	8,093.83	97,126.01
		STEP L	47.8484	3,827.87	8,293.72	99,524.67
		STEP M	49.0301	3,922.40	8,498.55	101,982.60
B704	ALTERNATIVE TRANSP ANALYST I					
		STEP A	33.7583	2,700.66	5,851.43	70,217.26
		STEP B	34.5918	2,767.34	5,995.91	71,950.94
		STEP C	35.4461	2,835.68	6,143.99	73,727.88
		STEP D	36.3215	2,905.72	6,295.72	75,548.72
		STEP E	37.2185	2,977.48	6,451.20	77,414.48
		STEP F	38.1376	3,051.00	6,610.51	79,326.20
		STEP G	39.0795	3,126.36	6,773.78	81,285.36
		STEP H	40.0446	3,203.56	6,941.06	83,292.76
		STEP I	41.0335	3,282.68	7,112.47	85,349.68
		STEP J	42.0469	3,363.75	7,288.12	87,457.55
		STEP K	43.0853	3,446.82	7,468.11	89,617.42
		STEP L	44.1493	3,531.94	7,652.54	91,830.54
		STEP M	45.2396	3,619.16	7,841.53	94,098.36
B705	ALTERNATIVE TRANSP ANALYST II					
		STEP A	36.5872	2,926.97	6,341.78	76,101.37
		STEP B	37.4902	2,999.21	6,498.30	77,979.61
		STEP C	38.4160	3,073.28	6,658.77	79,905.28
		STEP D	39.3647	3,149.17	6,823.21	81,878.57
		STEP E	40.3369	3,226.95	6,991.72	83,900.75
		STEP F	41.3331	3,306.64	7,164.40	85,972.84
		STEP G	42.3538	3,388.30	7,341.32	88,095.90
		STEP H	43.3998	3,471.98	7,522.63	90,271.58
		STEP I	44.4716	3,557.72	7,708.41	92,500.92
		STEP J	45.5699	3,645.59	7,898.78	94,785.39
		STEP K	46.6952	3,735.61	8,093.83	97,126.01
		STEP L	47.8484	3,827.87	8,293.72	99,524.67
		STEP M	49.0301	3,922.40	8,498.55	101,982.60

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B706	ALTERNATIVE TRANSP MGR					
		STEP A	46.6032	3,728.25	8,077.88	96,934.65
		STEP B	47.7530	3,820.24	8,277.18	99,326.24
		STEP C	48.9323	3,914.58	8,481.59	101,779.18
		STEP D	50.1408	4,011.26	8,691.07	104,292.86
		STEP E	51.3790	4,110.32	8,905.69	106,868.32
		STEP F	52.6479	4,211.83	9,125.63	109,507.63
		STEP G	53.9481	4,315.84	9,351.00	112,212.04
		STEP H	55.2804	4,422.43	9,581.93	114,983.23
		STEP I	56.6456	4,531.64	9,818.57	117,822.84
		STEP J	58.0445	4,643.56	10,061.04	120,732.56
		STEP K	59.4780	4,758.24	10,309.52	123,714.24
		STEP L	60.9469	4,875.75	10,564.12	126,769.55
		STEP M	62.4520	4,996.16	10,825.01	129,900.16
B711	ASST CITY ATTORNEY					
		STEP A	68.7340	5,498.72	11,913.89	142,966.72
		STEP B	70.4307	5,634.45	12,207.98	146,495.85
		STEP C	72.1701	5,773.60	12,509.48	150,113.80
		STEP D	73.9524	5,916.19	12,818.41	153,820.99
		STEP E	75.7787	6,062.29	13,134.97	157,619.69
		STEP F	77.6502	6,212.01	13,459.36	161,512.41
		STEP G	79.5678	6,365.42	13,791.75	165,501.02
		STEP H	81.5328	6,522.62	14,132.35	169,588.22
		STEP I	83.5464	6,683.71	14,481.37	173,776.51
		STEP J	85.6096	6,848.76	14,839.00	178,067.96
		STEP K	87.7238	7,017.90	15,205.45	182,465.50
		STEP L	89.8903	7,191.22	15,580.98	186,971.82
		STEP M	92.1102	7,368.81	15,965.76	191,589.21
B712	ASST CITY CLERK					
		STEP A	35.4741	2,837.92	6,148.84	73,786.12
		STEP B	36.3498	2,907.98	6,300.63	75,607.58
		STEP C	37.2475	2,979.80	6,456.23	77,474.80
		STEP D	38.1673	3,053.38	6,615.66	79,387.98
		STEP E	39.1099	3,128.79	6,779.04	81,348.59
		STEP F	40.0758	3,206.06	6,946.47	83,357.66
		STEP G	41.0655	3,285.24	7,118.02	85,416.24
		STEP H	42.0796	3,366.36	7,293.79	87,525.56
		STEP I	43.1188	3,449.50	7,473.92	89,687.10
		STEP J	44.1837	3,534.69	7,658.50	91,902.09
		STEP K	45.2749	3,621.99	7,847.64	94,171.79
		STEP L	46.3930	3,711.44	8,041.45	96,497.44
		STEP M	47.5387	3,803.09	8,240.04	98,880.49

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B707	ASST CITY MANAGER					
		STEP A	74.0814	5,926.51	12,840.77	154,089.31
		STEP B	75.9101	6,072.80	13,157.75	157,893.00
		STEP C	77.7848	6,222.78	13,482.69	161,792.38
		STEP D	79.7058	6,376.46	13,815.67	165,788.06
		STEP E	81.6742	6,533.93	14,156.86	169,882.33
		STEP F	83.6912	6,695.29	14,506.47	174,077.69
		STEP G	85.7581	6,860.64	14,864.73	178,376.84
		STEP H	87.8759	7,030.07	15,231.82	182,781.87
		STEP I	90.0461	7,203.68	15,607.99	187,295.88
		STEP J	92.2699	7,381.59	15,993.44	191,921.39
		STEP K	94.5486	7,563.88	16,388.42	196,661.08
		STEP L	96.8836	7,750.68	16,793.15	201,517.88
		STEP M	99.2762	7,942.09	17,207.87	206,494.49
B940	ASST ELEC UTIL DIR-RESOURCES					
		STEP A	77.7298	6,218.38	13,473.16	161,677.98
		STEP B	79.6487	6,371.89	13,805.77	165,669.29
		STEP C	81.6157	6,529.25	14,146.72	169,760.65
		STEP D	83.6312	6,690.49	14,496.07	173,952.89
		STEP E	85.6966	6,855.72	14,854.07	178,248.92
		STEP F	87.8130	7,025.04	15,220.92	182,651.04
		STEP G	89.9816	7,198.52	15,596.81	187,161.72
		STEP H	92.2038	7,376.30	15,981.99	191,783.90
		STEP I	94.4808	7,558.46	16,376.67	196,520.06
		STEP J	96.8141	7,745.12	16,781.11	201,373.32
		STEP K	99.2051	7,936.40	17,195.55	206,346.60
		STEP L	101.6550	8,132.40	17,620.20	211,442.40
		STEP M	104.1655	8,333.24	18,055.35	216,664.24
B708	ASST ELEC UTIL DIRECTOR					
		STEP A	70.9719	5,677.75	12,301.79	147,621.55
		STEP B	72.7240	5,817.92	12,605.49	151,265.92
		STEP C	74.5200	5,961.60	12,916.80	155,001.60
		STEP D	76.3603	6,108.82	13,235.78	158,829.42
		STEP E	78.2461	6,259.68	13,562.65	162,751.88
		STEP F	80.1785	6,414.28	13,897.60	166,771.28
		STEP G	82.1585	6,572.68	14,240.80	170,889.68
		STEP H	84.1875	6,735.00	14,592.50	175,110.00
		STEP I	86.2666	6,901.32	14,952.87	179,434.52
		STEP J	88.3971	7,071.76	15,322.16	183,865.96
		STEP K	90.5801	7,246.40	15,700.55	188,406.60
		STEP L	92.8171	7,425.36	16,088.29	193,059.56
		STEP M	95.1093	7,608.74	16,485.61	197,827.34

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B709	ASST EU DIRECTOR	STEP A	62.1514	4,972.11	10,772.90	129,274.91
		STEP B	63.6854	5,094.83	11,038.80	132,465.63
		STEP C	65.2582	5,220.65	11,311.42	135,737.05
		STEP D	66.8698	5,349.58	11,590.76	139,089.18
		STEP E	68.5212	5,481.69	11,877.00	142,524.09
		STEP F	70.2134	5,617.07	12,170.32	146,043.87
		STEP G	71.9474	5,755.79	12,470.88	149,650.59
		STEP H	73.7242	5,897.93	12,778.86	153,346.33
		STEP I	75.5449	6,043.59	13,094.44	157,133.39
		STEP J	77.4106	6,192.84	13,417.83	161,014.04
		STEP K	79.3223	6,345.78	13,749.19	164,990.38
		STEP L	81.2813	6,502.50	14,088.75	169,065.10
		STEP M	83.2886	6,663.08	14,436.69	173,240.28
B713	ASST FIRE CHIEF	STEP A	61.2592	4,900.73	10,618.26	127,419.13
		STEP B	62.7714	5,021.71	10,880.37	130,564.51
		STEP C	64.3216	5,145.72	11,149.07	133,788.92
		STEP D	65.9101	5,272.80	11,424.41	137,093.00
		STEP E	67.5378	5,403.02	11,706.55	140,478.62
		STEP F	69.2057	5,536.45	11,995.65	143,947.85
		STEP G	70.9148	5,673.18	12,291.89	147,502.78
		STEP H	72.6661	5,813.28	12,595.45	151,145.48
		STEP I	74.4607	5,956.85	12,906.52	154,878.25
		STEP J	76.2996	6,103.96	13,225.26	158,703.16
		STEP K	78.1839	6,254.71	13,551.87	162,622.51
		STEP L	80.1147	6,409.17	13,886.54	166,638.57
		STEP M	82.0932	6,567.45	14,229.48	170,753.85
B845	ASST HUMAN RESOURCES DIRECTOR	STEP A	53.1051	4,248.40	9,204.88	110,458.60
		STEP B	54.4160	4,353.28	9,432.10	113,185.28
		STEP C	55.7598	4,460.78	9,665.03	115,980.38
		STEP D	57.1369	4,570.95	9,903.72	118,844.75
		STEP E	58.5479	4,683.83	10,148.30	121,779.63
		STEP F	59.9938	4,799.50	10,398.92	124,787.10
		STEP G	61.4754	4,918.03	10,655.73	127,868.83
		STEP H	62.9936	5,039.48	10,918.89	131,026.68
		STEP I	64.5493	5,163.94	11,188.54	134,262.54
		STEP J	66.1434	5,291.47	11,464.85	137,578.27
		STEP K	67.7769	5,422.15	11,748.00	140,975.95
		STEP L	69.4507	5,556.05	12,038.12	144,457.45
		STEP M	71.1659	5,693.27	12,335.42	148,025.07

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B710	ASST POLICE CHIEF					
		STEP A	66.6657	5,333.25	11,555.38	138,664.65
		STEP B	68.3113	5,464.90	11,840.62	142,087.50
		STEP C	69.9983	5,599.86	12,133.03	145,596.46
		STEP D	71.7270	5,738.16	12,432.68	149,192.16
		STEP E	73.4984	5,879.87	12,739.72	152,876.67
		STEP F	75.3135	6,025.08	13,054.34	156,652.08
		STEP G	77.1735	6,173.88	13,376.74	160,520.88
		STEP H	79.0793	6,326.34	13,707.07	164,484.94
		STEP I	81.0323	6,482.58	14,045.59	168,547.18
		STEP J	83.0334	6,642.67	14,392.45	172,709.47
		STEP K	85.0840	6,806.72	14,747.89	176,974.72
		STEP L	87.1853	6,974.82	15,112.11	181,345.42
		STEP M	89.3384	7,147.07	15,485.32	185,823.87
B714	BILLING SERVICES MANAGER					
		STEP A	43.9697	3,517.57	7,621.41	91,456.97
		STEP B	45.0552	3,604.41	7,809.56	93,714.81
		STEP C	46.1679	3,693.43	8,002.43	96,029.23
		STEP D	47.3081	3,784.64	8,200.07	98,400.84
		STEP E	48.4764	3,878.11	8,402.57	100,830.91
		STEP F	49.6736	3,973.88	8,610.09	103,321.08
		STEP G	50.9003	4,072.02	8,822.71	105,872.62
		STEP H	52.1574	4,172.59	9,040.61	108,487.39
		STEP I	53.4454	4,275.63	9,263.86	111,166.43
		STEP J	54.7653	4,381.22	9,492.65	113,911.82
		STEP K	56.1178	4,489.42	9,727.08	116,725.02
		STEP L	57.5037	4,600.29	9,967.30	119,607.69
		STEP M	58.9238	4,713.90	10,213.45	122,561.50
B715	BLDG INSPECTION SUPERVISOR					
		STEP A	40.3307	3,226.45	6,990.65	83,887.85
		STEP B	41.3263	3,306.10	7,163.22	85,958.70
		STEP C	42.3469	3,387.75	7,340.12	88,081.55
		STEP D	43.3927	3,471.41	7,521.40	90,256.81
		STEP E	44.4643	3,557.14	7,707.14	92,485.74
		STEP F	45.5624	3,644.99	7,897.48	94,769.79
		STEP G	46.6876	3,735.00	8,092.51	97,110.20
		STEP H	47.8406	3,827.24	8,292.37	99,508.44
		STEP I	49.0220	3,921.76	8,497.14	101,965.76
		STEP J	50.2327	4,018.61	8,707.00	104,484.01
		STEP K	51.4732	4,117.85	8,922.02	107,064.25
		STEP L	52.7444	4,219.55	9,142.36	109,708.35
		STEP M	54.0470	4,323.76	9,368.14	112,417.76

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B717	BLDG OFFICIAL					
		STEP A	49.8118	3,984.94	8,634.04	103,608.54
		STEP B	51.0414	4,083.31	8,847.17	106,166.11
		STEP C	52.3019	4,184.15	9,065.66	108,787.95
		STEP D	53.5936	4,287.48	9,289.55	111,474.68
		STEP E	54.9171	4,393.36	9,518.96	114,227.56
		STEP F	56.2734	4,501.87	9,754.05	117,048.67
		STEP G	57.6631	4,613.04	9,994.93	119,939.24
		STEP H	59.0871	4,726.96	10,241.76	122,901.16
		STEP I	60.5464	4,843.71	10,494.70	125,936.51
		STEP J	62.0416	4,963.32	10,753.87	129,046.52
		STEP K	63.5738	5,085.90	11,019.45	132,233.50
		STEP L	65.1438	5,211.50	11,291.59	135,499.10
		STEP M	66.7526	5,340.20	11,570.45	138,845.40
B718	BUDGET ANALYST I					
		STEP A	34.4334	2,754.67	5,968.45	71,621.47
		STEP B	35.2833	2,822.66	6,115.77	73,389.26
		STEP C	36.1547	2,892.37	6,266.81	75,201.77
		STEP D	37.0476	2,963.80	6,421.58	77,059.00
		STEP E	37.9625	3,037.00	6,580.16	78,962.00
		STEP F	38.9000	3,112.00	6,742.66	80,912.00
		STEP G	39.8607	3,188.85	6,909.18	82,910.25
		STEP H	40.8451	3,267.60	7,079.81	84,957.80
		STEP I	41.8538	3,348.30	7,254.65	87,055.90
		STEP J	42.8874	3,430.99	7,433.81	89,205.79
		STEP K	43.9466	3,515.72	7,617.41	91,408.92
		STEP L	45.0319	3,602.55	7,805.52	93,666.35
		STEP M	46.1440	3,691.52	7,998.29	95,979.52
B719	BUDGET ANALYST II					
		STEP A	37.3182	2,985.45	6,468.48	77,621.85
		STEP B	38.2394	3,059.15	6,628.16	79,537.95
		STEP C	39.1838	3,134.70	6,791.85	81,502.30
		STEP D	40.1515	3,212.12	6,959.59	83,515.12
		STEP E	41.1431	3,291.44	7,131.47	85,577.64
		STEP F	42.1591	3,372.72	7,307.57	87,690.92
		STEP G	43.2003	3,456.02	7,488.05	89,856.62
		STEP H	44.2672	3,541.37	7,672.98	92,075.77
		STEP I	45.3604	3,628.83	7,862.46	94,349.63
		STEP J	46.4806	3,718.44	8,056.63	96,679.64
		STEP K	47.6285	3,810.28	8,255.60	99,067.28
		STEP L	48.8047	3,904.37	8,459.48	101,513.77
		STEP M	50.0100	4,000.80	8,668.40	104,020.80

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B720	BUDGET MANAGER					
		STEP A	43.9697	3,517.57	7,621.41	91,456.97
		STEP B	45.0552	3,604.41	7,809.56	93,714.81
		STEP C	46.1679	3,693.43	8,002.43	96,029.23
		STEP D	47.3081	3,784.64	8,200.07	98,400.84
		STEP E	48.4764	3,878.11	8,402.57	100,830.91
		STEP F	49.6736	3,973.88	8,610.09	103,321.08
		STEP G	50.9003	4,072.02	8,822.71	105,872.62
		STEP H	52.1574	4,172.59	9,040.61	108,487.39
		STEP I	53.4454	4,275.63	9,263.86	111,166.43
		STEP J	54.7653	4,381.22	9,492.65	113,911.82
		STEP K	56.1178	4,489.42	9,727.08	116,725.02
		STEP L	57.5037	4,600.29	9,967.30	119,607.69
		STEP M	58.9238	4,713.90	10,213.45	122,561.50
B721	BUSINESS SVCS ADMINISTRATOR					
		STEP A	42.3780	3,390.24	7,345.52	88,146.24
		STEP B	43.4242	3,473.93	7,526.86	90,322.33
		STEP C	44.4966	3,559.72	7,712.74	92,552.92
		STEP D	45.5955	3,647.64	7,903.22	94,838.64
		STEP E	46.7215	3,737.72	8,098.39	97,180.72
		STEP F	47.8753	3,830.02	8,298.38	99,580.62
		STEP G	49.0577	3,924.61	8,503.33	102,040.01
		STEP H	50.2692	4,021.53	8,713.32	104,559.93
		STEP I	51.5107	4,120.85	8,928.52	107,142.25
		STEP J	52.7828	4,222.62	9,149.01	109,788.22
		STEP K	54.0863	4,326.90	9,374.95	112,499.50
		STEP L	55.4220	4,433.76	9,606.48	115,277.76
		STEP M	56.7907	4,543.25	9,843.72	118,124.65
B722	CENTRAL SERVICES DIRECTOR					
		STEP A	60.9892	4,879.13	10,571.46	126,857.53
		STEP B	62.4949	4,999.59	10,832.44	129,989.39
		STEP C	64.0383	5,123.06	11,099.97	133,199.66
		STEP D	65.6198	5,249.58	11,374.09	136,489.18
		STEP E	67.2403	5,379.22	11,654.98	139,859.82
		STEP F	68.9009	5,512.07	11,942.82	143,313.87
		STEP G	70.6024	5,648.19	12,237.74	146,852.99
		STEP H	72.3460	5,787.68	12,539.97	150,479.68
		STEP I	74.1327	5,930.61	12,849.66	154,196.01
		STEP J	75.9635	6,077.08	13,167.00	158,004.08
		STEP K	77.8395	6,227.16	13,492.18	161,906.16
		STEP L	79.7618	6,380.94	13,825.37	165,904.54
		STEP M	81.7316	6,538.52	14,166.81	170,001.72

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B723	CHIEF FINANCIAL OFFICER					
		STEP A	86.5875	6,927.00	15,008.50	180,102.00
		STEP B	88.7250	7,098.00	15,379.00	184,548.00
		STEP C	90.9161	7,273.28	15,758.79	189,105.48
		STEP D	93.1614	7,452.91	16,147.97	193,775.71
		STEP E	95.4621	7,636.96	16,546.76	198,561.16
		STEP F	97.8196	7,825.56	16,955.39	203,464.76
		STEP G	100.2354	8,018.83	17,374.13	208,489.63
		STEP H	102.7108	8,216.86	17,803.20	213,638.46
		STEP I	105.2473	8,419.78	18,242.86	218,914.38
		STEP J	107.8465	8,627.72	18,693.39	224,320.72
		STEP K	110.5099	8,840.79	19,155.04	229,860.59
		STEP L	113.2390	9,059.12	19,628.09	235,537.12
		STEP M	116.0356	9,282.84	20,112.83	241,354.04
B724	CHIEF INFORMATION OFFICER					
		STEP A	60.9892	4,879.13	10,571.46	126,857.53
		STEP B	62.4949	4,999.59	10,832.44	129,989.39
		STEP C	64.0383	5,123.06	11,099.97	133,199.66
		STEP D	65.6198	5,249.58	11,374.09	136,489.18
		STEP E	67.2403	5,379.22	11,654.98	139,859.82
		STEP F	68.9009	5,512.07	11,942.82	143,313.87
		STEP G	70.6024	5,648.19	12,237.74	146,852.99
		STEP H	72.3460	5,787.68	12,539.97	150,479.68
		STEP I	74.1327	5,930.61	12,849.66	154,196.01
		STEP J	75.9635	6,077.08	13,167.00	158,004.08
		STEP K	77.8395	6,227.16	13,492.18	161,906.16
		STEP L	79.7618	6,380.94	13,825.37	165,904.54
		STEP M	81.7316	6,538.52	14,166.81	170,001.72
B725	CITY CLERK					
		STEP A	49.4890	3,959.12	8,578.09	102,937.12
		STEP B	50.7112	4,056.89	8,789.94	105,479.29
		STEP C	51.9636	4,157.08	9,007.02	108,084.28
		STEP D	53.2468	4,259.74	9,229.44	110,753.34
		STEP E	54.5618	4,364.94	9,457.37	113,488.54
		STEP F	55.9093	4,472.74	9,690.94	116,291.34
		STEP G	57.2900	4,583.20	9,930.26	119,163.20
		STEP H	58.7049	4,696.39	10,175.51	122,106.19
		STEP I	60.1546	4,812.36	10,426.79	125,121.56
		STEP J	61.6402	4,931.21	10,684.30	128,211.61
		STEP K	63.1625	5,053.00	10,948.16	131,378.00
		STEP L	64.7223	5,177.78	11,218.53	134,622.38
		STEP M	66.3207	5,305.65	11,495.58	137,947.05

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B726	CITY LIBRARIAN	STEP A	43.4443	3,475.54	7,530.34	90,364.14
		STEP B	44.5172	3,561.37	7,716.31	92,595.77
		STEP C	45.6166	3,649.32	7,906.87	94,882.52
		STEP D	46.7432	3,739.45	8,102.15	97,225.85
		STEP E	47.8976	3,831.80	8,302.25	99,627.00
		STEP F	49.0804	3,926.43	8,507.26	102,087.23
		STEP G	50.2925	4,023.40	8,717.36	104,608.40
		STEP H	51.5345	4,122.76	8,932.64	107,191.76
		STEP I	52.8072	4,224.57	9,153.24	109,838.97
		STEP J	54.1114	4,328.91	9,379.30	112,551.71
		STEP K	55.4477	4,435.81	9,610.93	115,331.21
		STEP L	56.8170	4,545.36	9,848.28	118,179.36
		STEP M	58.2202	4,657.61	10,091.50	121,098.01
B728	DEPT PUBLIC INFO OFFICER	STEP A	38.3214	3,065.71	6,642.37	79,708.51
		STEP B	39.2676	3,141.40	6,806.38	81,676.60
		STEP C	40.2373	3,218.98	6,974.46	83,693.58
		STEP D	41.2310	3,298.48	7,146.70	85,760.48
		STEP E	42.2493	3,379.94	7,323.21	87,878.54
		STEP F	43.2926	3,463.40	7,504.05	90,048.60
		STEP G	44.3618	3,548.94	7,689.37	92,272.54
		STEP H	45.4574	3,636.59	7,879.28	94,551.39
		STEP I	46.5800	3,726.40	8,073.86	96,886.40
		STEP J	47.7303	3,818.42	8,273.25	99,279.02
		STEP K	48.9091	3,912.72	8,477.57	101,730.92
		STEP L	50.1169	4,009.35	8,686.92	104,243.15
		STEP M	51.3546	4,108.36	8,901.46	106,817.56
B729	DEPUTY CITY ATTORNEY I	STEP A	49.3957	3,951.65	8,561.92	102,743.05
		STEP B	50.6151	4,049.20	8,773.28	105,279.40
		STEP C	51.8650	4,149.20	8,989.93	107,879.20
		STEP D	53.1459	4,251.67	9,211.95	110,543.47
		STEP E	54.4584	4,356.67	9,439.45	113,273.47
		STEP F	55.8033	4,464.26	9,672.57	116,070.86
		STEP G	57.1814	4,574.51	9,911.44	118,937.31
		STEP H	58.5936	4,687.48	10,156.22	121,874.68
		STEP I	60.0406	4,803.24	10,407.03	124,884.44
		STEP J	61.5234	4,921.87	10,664.05	127,968.67
		STEP K	63.0427	5,043.41	10,927.40	131,128.81
		STEP L	64.5996	5,167.96	11,197.26	134,367.16
		STEP M	66.1950	5,295.60	11,473.80	137,685.60

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B730	DEPUTY CITY ATTORNEY II					
		STEP A	54.3352	4,346.81	9,418.10	113,017.21
		STEP B	55.6766	4,454.12	9,650.61	115,807.32
		STEP C	57.0516	4,564.12	9,888.94	118,667.32
		STEP D	58.4605	4,676.84	10,133.15	121,597.84
		STEP E	59.9042	4,792.33	10,383.39	124,600.73
		STEP F	61.3836	4,910.68	10,639.82	127,677.88
		STEP G	62.8996	5,031.96	10,902.59	130,831.16
		STEP H	64.4529	5,156.23	11,171.83	134,062.03
		STEP I	66.0447	5,283.57	11,447.74	137,372.97
		STEP J	67.6757	5,414.05	11,730.45	140,765.45
		STEP K	69.3470	5,547.76	12,020.14	144,241.76
		STEP L	71.0596	5,684.76	12,317.00	147,803.96
		STEP M	72.8145	5,825.16	12,621.18	151,454.16
B731	DEPUTY CITY MANAGER					
		STEP A	55.5189	4,441.51	9,623.27	115,479.31
		STEP B	56.8894	4,551.15	9,860.82	118,329.95
		STEP C	58.2944	4,663.55	10,104.36	121,252.35
		STEP D	59.7340	4,778.72	10,353.89	124,246.72
		STEP E	61.2092	4,896.73	10,609.59	127,315.13
		STEP F	62.7208	5,017.66	10,871.60	130,459.26
		STEP G	64.2698	5,141.58	11,140.09	133,681.18
		STEP H	65.8570	5,268.56	11,415.21	136,982.56
		STEP I	67.4834	5,398.67	11,697.12	140,365.47
		STEP J	69.1500	5,532.00	11,986.00	143,832.00
		STEP K	70.8577	5,668.61	12,282.00	147,384.01
		STEP L	72.6076	5,808.60	12,585.31	151,023.80
		STEP M	74.4007	5,952.05	12,896.12	154,753.45
B732	DEVELOPMENT ANALYST I					
		STEP A	33.2609	2,660.87	5,765.22	69,182.67
		STEP B	34.0820	2,726.56	5,907.54	70,890.56
		STEP C	34.9236	2,793.88	6,053.42	72,641.08
		STEP D	35.7861	2,862.88	6,202.92	74,435.08
		STEP E	36.6699	2,933.59	6,356.11	76,273.39
		STEP F	37.5755	3,006.04	6,513.08	78,157.04
		STEP G	38.5035	3,080.28	6,673.94	80,087.28
		STEP H	39.4543	3,156.34	6,838.74	82,064.94
		STEP I	40.4287	3,234.29	7,007.64	84,091.69
		STEP J	41.4271	3,314.16	7,180.69	86,168.36
		STEP K	42.4502	3,396.01	7,358.03	88,296.41
		STEP L	43.4986	3,479.88	7,539.75	90,477.08
		STEP M	44.5728	3,565.82	7,725.95	92,711.42

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B733	DEVELOPMENT ANALYST II					
		STEP A	36.5872	2,926.97	6,341.78	76,101.37
		STEP B	37.4902	2,999.21	6,498.30	77,979.61
		STEP C	38.4160	3,073.28	6,658.77	79,905.28
		STEP D	39.3647	3,149.17	6,823.21	81,878.57
		STEP E	40.3369	3,226.95	6,991.72	83,900.75
		STEP F	41.3331	3,306.64	7,164.40	85,972.84
		STEP G	42.3538	3,388.30	7,341.32	88,095.90
		STEP H	43.3998	3,471.98	7,522.63	90,271.58
		STEP I	44.4716	3,557.72	7,708.41	92,500.92
		STEP J	45.5699	3,645.59	7,898.78	94,785.39
		STEP K	46.6952	3,735.61	8,093.83	97,126.01
		STEP L	47.8484	3,827.87	8,293.72	99,524.67
		STEP M	49.0301	3,922.40	8,498.55	101,982.60
B734	DEVELOPMENT SERVICES DIRECTOR					
		STEP A	67.1903	5,375.22	11,646.31	139,755.82
		STEP B	68.8490	5,507.92	11,933.82	143,205.92
		STEP C	70.5493	5,643.94	12,228.54	146,742.54
		STEP D	72.2916	5,783.32	12,530.54	150,366.52
		STEP E	74.0769	5,926.15	12,840.00	154,079.95
		STEP F	75.9063	6,072.50	13,157.09	157,885.10
		STEP G	77.7809	6,222.47	13,482.02	161,784.27
		STEP H	79.7018	6,376.14	13,814.97	165,779.74
		STEP I	81.6701	6,533.60	14,156.15	169,873.80
		STEP J	83.6870	6,694.96	14,505.74	174,068.96
		STEP K	85.7538	6,860.30	14,863.99	178,367.90
		STEP L	87.8715	7,029.72	15,231.06	182,772.72
		STEP M	90.0416	7,203.32	15,607.21	187,286.52
B735	DEVELOPMENT SERVICES MANAGER					
		STEP A	55.5189	4,441.51	9,623.27	115,479.31
		STEP B	56.8894	4,551.15	9,860.82	118,329.95
		STEP C	58.2944	4,663.55	10,104.36	121,252.35
		STEP D	59.7340	4,778.72	10,353.89	124,246.72
		STEP E	61.2092	4,896.73	10,609.59	127,315.13
		STEP F	62.7208	5,017.66	10,871.60	130,459.26
		STEP G	64.2698	5,141.58	11,140.09	133,681.18
		STEP H	65.8570	5,268.56	11,415.21	136,982.56
		STEP I	67.4834	5,398.67	11,697.12	140,365.47
		STEP J	69.1500	5,532.00	11,986.00	143,832.00
		STEP K	70.8577	5,668.61	12,282.00	147,384.01
		STEP L	72.6076	5,808.60	12,585.31	151,023.80
		STEP M	74.4007	5,952.05	12,896.12	154,753.45

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B736	ECONOMIC DEVELOPMENT DIRECTOR					
		STEP A	64.6607	5,172.85	11,207.85	134,494.25
		STEP B	66.2571	5,300.56	11,484.56	137,814.76
		STEP C	67.8933	5,431.46	11,768.17	141,218.06
		STEP D	69.5700	5,565.60	12,058.80	144,705.60
		STEP E	71.2881	5,703.04	12,356.60	148,279.24
		STEP F	73.0487	5,843.89	12,661.77	151,941.29
		STEP G	74.8527	5,988.21	12,974.46	155,693.61
		STEP H	76.7012	6,136.09	13,294.87	159,538.49
		STEP I	78.5955	6,287.64	13,623.22	163,478.64
		STEP J	80.5364	6,442.91	13,959.64	167,515.71
		STEP K	82.5254	6,602.03	14,304.40	171,652.83
		STEP L	84.5634	6,765.07	14,657.65	175,891.87
		STEP M	86.6518	6,932.14	15,019.64	180,235.74
B737	ECONOMIC DEVELOPMENT MANAGER					
		STEP A	43.4443	3,475.54	7,530.34	90,364.14
		STEP B	44.5172	3,561.37	7,716.31	92,595.77
		STEP C	45.6166	3,649.32	7,906.87	94,882.52
		STEP D	46.7432	3,739.45	8,102.15	97,225.85
		STEP E	47.8976	3,831.80	8,302.25	99,627.00
		STEP F	49.0804	3,926.43	8,507.26	102,087.23
		STEP G	50.2925	4,023.40	8,717.36	104,608.40
		STEP H	51.5345	4,122.76	8,932.64	107,191.76
		STEP I	52.8072	4,224.57	9,153.24	109,838.97
		STEP J	54.1114	4,328.91	9,379.30	112,551.71
		STEP K	55.4477	4,435.81	9,610.93	115,331.21
		STEP L	56.8170	4,545.36	9,848.28	118,179.36
		STEP M	58.2202	4,657.61	10,091.50	121,098.01
B738	ELECTRIC BUSINESS ANALYST I					
		STEP A	39.3071	3,144.56	6,813.23	81,758.76
		STEP B	40.2773	3,222.18	6,981.39	83,776.78
		STEP C	41.2720	3,301.76	7,153.81	85,845.76
		STEP D	42.2913	3,383.30	7,330.49	87,965.90
		STEP E	43.3357	3,466.85	7,511.52	90,138.25
		STEP F	44.4059	3,552.47	7,697.02	92,364.27
		STEP G	45.5026	3,640.20	7,887.11	94,645.40
		STEP H	46.6263	3,730.10	8,081.89	96,982.70
		STEP I	47.7778	3,822.22	8,281.48	99,377.82
		STEP J	48.9577	3,916.61	8,486.00	101,832.01
		STEP K	50.1668	4,013.34	8,695.57	104,346.94
		STEP L	51.4057	4,112.45	8,910.32	106,923.85
		STEP M	52.6752	4,214.01	9,130.36	109,564.41

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B739	ELECTRIC BUSINESS ANALYST II					
		STEP A	43.2416	3,459.32	7,495.21	89,942.52
		STEP B	44.3091	3,544.72	7,680.24	92,162.92
		STEP C	45.4034	3,632.27	7,869.92	94,439.07
		STEP D	46.5246	3,721.96	8,064.26	96,771.16
		STEP E	47.6736	3,813.88	8,263.42	99,161.08
		STEP F	48.8510	3,908.08	8,467.50	101,610.08
		STEP G	50.0574	4,004.59	8,676.61	104,119.39
		STEP H	51.2936	4,103.48	8,890.89	106,690.68
		STEP I	52.5604	4,204.83	9,110.46	109,325.63
		STEP J	53.8584	4,308.67	9,335.45	112,025.47
		STEP K	55.1885	4,415.08	9,566.00	114,792.08
		STEP L	56.5514	4,524.11	9,802.24	117,626.91
		STEP M	57.9480	4,635.84	10,044.32	120,531.84
B740	ELECTRIC COMPLIANCE ANALYST					
		STEP A	45.0209	3,601.67	7,803.62	93,643.47
		STEP B	46.1322	3,690.57	7,996.24	95,954.97
		STEP C	47.2715	3,781.72	8,193.72	98,324.72
		STEP D	48.4389	3,875.11	8,396.07	100,752.91
		STEP E	49.6352	3,970.81	8,603.43	103,241.21
		STEP F	50.8610	4,068.88	8,815.90	105,790.88
		STEP G	52.1170	4,169.36	9,033.61	108,403.36
		STEP H	53.4041	4,272.32	9,256.71	111,080.52
		STEP I	54.7230	4,377.84	9,485.32	113,823.84
		STEP J	56.0744	4,485.95	9,719.56	116,634.75
		STEP K	57.4592	4,596.73	9,959.59	119,515.13
		STEP L	58.8782	4,710.25	10,205.55	122,466.65
		STEP M	60.3323	4,826.58	10,457.59	125,491.18
B741	ELECTRIC ENGINEERING TECH SUPV					
		STEP A	47.8512	3,828.09	8,294.20	99,530.49
		STEP B	49.0323	3,922.58	8,498.93	101,987.18
		STEP C	50.2432	4,019.45	8,708.82	104,505.85
		STEP D	51.4840	4,118.72	8,923.89	107,086.72
		STEP E	52.7555	4,220.44	9,144.28	109,731.44
		STEP F	54.0583	4,324.66	9,370.10	112,441.26
		STEP G	55.3934	4,431.47	9,601.52	115,218.27
		STEP H	56.7614	4,540.91	9,838.64	118,063.71
		STEP I	58.1631	4,653.04	10,081.60	120,979.24
		STEP J	59.5995	4,767.96	10,330.58	123,966.96
		STEP K	61.0714	4,885.71	10,585.70	127,028.51
		STEP L	62.5796	5,006.36	10,847.13	130,165.56
		STEP M	64.1251	5,130.00	11,115.01	133,380.20

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B742	ELECTRIC LINE CONST SUPERVISOR					
		STEP A	61.4415	4,915.32	10,649.86	127,798.32
		STEP B	62.9581	5,036.64	10,912.73	130,952.84
		STEP C	64.5129	5,161.03	11,182.23	134,186.83
		STEP D	66.1061	5,288.48	11,458.39	137,500.68
		STEP E	67.7387	5,419.09	11,741.37	140,896.49
		STEP F	69.4116	5,552.92	12,031.34	144,376.12
		STEP G	71.1258	5,690.06	12,328.47	147,941.66
		STEP H	72.8823	5,830.58	12,632.93	151,595.18
		STEP I	74.6822	5,974.57	12,944.91	155,338.97
		STEP J	76.5265	6,122.12	13,264.59	159,175.12
		STEP K	78.4164	6,273.31	13,592.17	163,106.11
		STEP L	80.3530	6,428.24	13,927.85	167,134.24
		STEP M	82.3374	6,586.99	14,271.81	171,261.79
B743	ELECTRIC OPERATIONS MANAGER					
		STEP A	67.5845	5,406.76	11,714.64	140,575.76
		STEP B	69.2528	5,540.22	12,003.81	144,045.82
		STEP C	70.9631	5,677.04	12,300.27	147,603.24
		STEP D	72.7156	5,817.24	12,604.03	151,248.44
		STEP E	74.5114	5,960.91	12,915.30	154,983.71
		STEP F	76.3515	6,108.12	13,234.26	158,811.12
		STEP G	78.2371	6,258.96	13,561.09	162,733.16
		STEP H	80.1692	6,413.53	13,895.99	166,751.93
		STEP I	82.1491	6,571.92	14,239.17	170,870.12
		STEP J	84.1778	6,734.22	14,590.81	175,089.82
		STEP K	86.2567	6,900.53	14,951.16	179,413.93
		STEP L	88.3869	7,070.95	15,320.39	183,844.75
		STEP M	90.5697	7,245.57	15,698.74	188,384.97
B744	ELECTRIC RATES & FINANCL ADMIN					
		STEP A	58.3337	4,666.69	10,111.17	121,334.09
		STEP B	59.7736	4,781.88	10,360.75	124,329.08
		STEP C	61.2497	4,899.97	10,616.61	127,399.37
		STEP D	62.7623	5,020.98	10,878.79	130,545.58
		STEP E	64.3123	5,144.98	11,147.46	133,769.58
		STEP F	65.9006	5,272.04	11,422.77	137,073.24
		STEP G	67.5281	5,402.24	11,704.87	140,458.44
		STEP H	69.1957	5,535.65	11,993.92	143,927.05
		STEP I	70.9046	5,672.36	12,290.13	147,481.56
		STEP J	72.6557	5,812.45	12,593.65	151,123.85
		STEP K	74.4500	5,956.00	12,904.66	154,856.00
		STEP L	76.2886	6,103.08	13,223.35	158,680.28
		STEP M	78.1726	6,253.80	13,549.91	162,599.00

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B745	ELECTRIC REGU COMPLNCE ADMNSTR					
		STEP A	67.5845	5,406.76	11,714.64	140,575.76
		STEP B	69.2528	5,540.22	12,003.81	144,045.82
		STEP C	70.9631	5,677.04	12,300.27	147,603.24
		STEP D	72.7156	5,817.24	12,604.03	151,248.44
		STEP E	74.5114	5,960.91	12,915.30	154,983.71
		STEP F	76.3515	6,108.12	13,234.26	158,811.12
		STEP G	78.2371	6,258.96	13,561.09	162,733.16
		STEP H	80.1692	6,413.53	13,895.99	166,751.93
		STEP I	82.1491	6,571.92	14,239.17	170,870.12
		STEP J	84.1778	6,734.22	14,590.81	175,089.82
		STEP K	85.2567	6,820.53	14,777.82	177,333.93
		STEP L	88.3869	7,070.95	15,320.39	183,844.75
		STEP M	90.5697	7,245.57	15,698.74	188,384.97
B746	ELECTRIC RESOURCES ANALYST I					
		STEP A	47.9688	3,837.50	8,314.59	99,775.10
		STEP B	49.1529	3,932.23	8,519.83	102,238.03
		STEP C	50.3668	4,029.34	8,730.24	104,762.94
		STEP D	51.6107	4,128.85	8,945.85	107,350.25
		STEP E	52.8852	4,230.81	9,166.76	110,001.21
		STEP F	54.1913	4,335.30	9,393.15	112,717.90
		STEP G	55.5296	4,442.36	9,625.13	115,501.56
		STEP H	56.9010	4,552.08	9,862.84	118,354.08
		STEP I	58.3062	4,664.49	10,106.40	121,276.89
		STEP J	59.7461	4,779.68	10,355.99	124,271.88
		STEP K	61.2216	4,897.72	10,611.74	127,340.92
		STEP L	62.7335	5,018.68	10,873.80	130,485.68
		STEP M	64.2828	5,142.62	11,142.35	133,708.22
B747	ELECTRIC RESOURCES ANALYST II					
		STEP A	52.7703	4,221.62	9,146.85	109,762.22
		STEP B	54.0729	4,325.83	9,372.63	112,471.63
		STEP C	55.4083	4,432.66	9,604.10	115,249.26
		STEP D	56.7766	4,542.12	9,841.27	118,095.32
		STEP E	58.1788	4,654.30	10,084.32	121,011.90
		STEP F	59.6156	4,769.24	10,333.37	124,000.44
		STEP G	61.0878	4,887.02	10,588.55	127,062.62
		STEP H	62.5965	5,007.72	10,850.06	130,200.72
		STEP I	64.1424	5,131.39	11,118.01	133,416.19
		STEP J	65.7264	5,258.11	11,392.57	136,710.91
		STEP K	67.3496	5,387.96	11,673.93	140,087.16
		STEP L	69.0129	5,521.03	11,962.23	143,546.83
		STEP M	70.7172	5,657.37	12,257.64	147,091.77

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B748	ELECTRIC RETAIL SERVICES SUPV					
		STEP A	54.7676	4,381.40	9,493.05	113,916.60
		STEP B	56.1194	4,489.55	9,727.36	116,728.35
		STEP C	57.5054	4,600.43	9,967.60	119,611.23
		STEP D	58.9255	4,714.04	10,213.75	122,565.04
		STEP E	60.3807	4,830.45	10,465.98	125,591.85
		STEP F	61.8719	4,949.75	10,724.46	128,693.55
		STEP G	63.3999	5,071.99	10,989.31	131,871.79
		STEP H	64.9656	5,197.24	11,260.70	135,128.44
		STEP I	66.5700	5,325.60	11,538.80	138,465.60
		STEP J	68.2140	5,457.12	11,823.76	141,885.12
		STEP K	69.8986	5,591.88	12,115.75	145,389.08
		STEP L	71.6249	5,729.99	12,414.98	148,979.79
		STEP M	73.3937	5,871.49	12,721.57	152,658.89
B749	ELECTRIC RISK MGMT ADMNSTR					
		STEP A	64.1688	5,133.50	11,122.59	133,471.10
		STEP B	65.7529	5,260.23	11,397.16	136,766.03
		STEP C	67.3767	5,390.13	11,678.62	140,143.53
		STEP D	69.0406	5,523.24	11,967.03	143,604.44
		STEP E	70.7457	5,659.65	12,262.58	147,151.05
		STEP F	72.4928	5,799.42	12,565.41	150,785.02
		STEP G	74.2831	5,942.64	12,875.73	154,508.84
		STEP H	76.1176	6,089.40	13,193.71	158,324.60
		STEP I	77.9974	6,239.79	13,519.54	162,234.59
		STEP J	79.9236	6,393.88	13,853.42	166,241.08
		STEP K	81.8974	6,551.79	14,195.54	170,346.59
		STEP L	83.9199	6,713.59	14,546.11	174,553.39
		STEP M	85.9924	6,879.39	14,905.34	178,864.19
B750	ELECTRIC SAFETY COORDINATOR					
		STEP A	36.5871	2,926.96	6,341.76	76,101.16
		STEP B	37.4902	2,999.21	6,498.30	77,979.61
		STEP C	38.4160	3,073.28	6,658.77	79,905.28
		STEP D	39.3647	3,149.17	6,823.21	81,878.57
		STEP E	40.3369	3,226.95	6,991.72	83,900.75
		STEP F	41.3331	3,306.64	7,164.40	85,972.84
		STEP G	42.3538	3,388.30	7,341.32	88,095.90
		STEP H	43.3998	3,471.98	7,522.63	90,271.58
		STEP I	44.4716	3,557.72	7,708.41	92,500.92
		STEP J	45.5699	3,645.59	7,898.78	94,785.39
		STEP K	46.6952	3,735.61	8,093.83	97,126.01
		STEP L	47.8484	3,827.87	8,293.72	99,524.67
		STEP M	49.0301	3,922.40	8,498.55	101,982.60

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B751	ELECTRIC SUBSTATION SUPERVISOR					
		STEP A	61.4415	4,915.32	10,649.86	127,798.32
		STEP B	62.9581	5,036.64	10,912.73	130,952.84
		STEP C	64.5129	5,161.03	11,182.23	134,186.83
		STEP D	66.1061	5,288.48	11,458.39	137,500.68
		STEP E	67.7387	5,419.09	11,741.37	140,896.49
		STEP F	69.4116	5,552.92	12,031.34	144,376.12
		STEP G	71.1258	5,690.06	12,328.47	147,941.66
		STEP H	72.8823	5,830.58	12,632.93	151,595.18
		STEP I	74.6822	5,974.57	12,944.91	155,338.97
		STEP J	76.5265	6,122.12	13,264.59	159,175.12
		STEP K	78.4164	6,273.31	13,592.17	163,106.11
		STEP L	80.3530	6,428.24	13,927.85	167,134.24
		STEP M	82.3374	6,586.99	14,271.81	171,261.79
B752	ELECTRIC TECHNOLOGY SYST SUPV					
		STEP A	50.0104	4,000.83	8,668.46	104,021.63
		STEP B	51.2449	4,099.59	8,882.44	106,589.39
		STEP C	52.5104	4,200.83	9,101.80	109,221.63
		STEP D	53.8072	4,304.57	9,326.58	111,918.97
		STEP E	55.1361	4,410.88	9,556.92	114,683.08
		STEP F	56.4977	4,519.81	9,792.93	117,515.21
		STEP G	57.8930	4,631.44	10,034.78	120,417.44
		STEP H	59.3227	4,745.81	10,282.60	123,391.21
		STEP I	60.7877	4,863.01	10,536.53	126,438.41
		STEP J	62.2889	4,983.11	10,796.74	129,560.91
		STEP K	63.8272	5,106.17	11,063.38	132,760.57
		STEP L	65.4035	5,232.28	11,336.60	136,039.28
		STEP M	67.0187	5,361.49	11,616.57	139,398.89
B753	ELECTRIC UTILITY DIRECTOR					
		STEP A	83.4769	6,678.15	14,469.32	173,631.95
		STEP B	85.5374	6,842.99	14,826.48	177,917.79
		STEP C	87.6499	7,011.99	15,192.64	182,311.79
		STEP D	89.8145	7,185.16	15,567.84	186,814.16
		STEP E	92.0325	7,362.60	15,952.30	191,427.60
		STEP F	94.3053	7,544.42	16,346.25	196,155.02
		STEP G	96.6343	7,730.74	16,749.94	200,999.34
		STEP H	99.0208	7,921.66	17,163.60	205,963.26
		STEP I	101.4662	8,117.29	17,587.47	211,049.69
		STEP J	103.9720	8,317.76	18,021.81	216,261.76
		STEP K	106.5397	8,523.17	18,466.88	221,602.57
		STEP L	109.1708	8,733.66	18,922.93	227,075.26
		STEP M	111.8669	8,949.35	19,390.26	232,683.15

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B754	ELECTRONIC MAINT COORDINATOR					
		STEP A	35.2965	2,823.72	6,118.06	73,416.72
		STEP B	36.1682	2,893.45	6,269.15	75,229.85
		STEP C	37.0614	2,964.91	6,423.97	77,087.71
		STEP D	37.9766	3,038.12	6,582.61	78,991.32
		STEP E	38.9145	3,113.16	6,745.18	80,942.16
		STEP F	39.8755	3,190.04	6,911.75	82,941.04
		STEP G	40.8603	3,268.82	7,082.45	84,989.42
		STEP H	41.8694	3,349.55	7,257.36	87,088.35
		STEP I	42.9034	3,432.27	7,436.58	89,239.07
		STEP J	43.9629	3,517.03	7,620.23	91,442.83
		STEP K	45.0486	3,603.88	7,808.42	93,701.08
		STEP L	46.1612	3,692.89	8,001.27	96,015.29
		STEP M	47.3012	3,784.09	8,198.87	98,386.49
B755	EMS QUAL ASSURANCE COORDINATOR					
		STEP A	45.1917	3,615.33	7,833.22	93,998.73
		STEP B	46.3073	3,704.58	8,026.59	96,319.18
		STEP C	47.4509	3,796.07	8,224.82	98,697.87
		STEP D	48.6228	3,889.82	8,427.95	101,135.42
		STEP E	49.8236	3,985.88	8,636.09	103,633.08
		STEP F	51.0540	4,084.32	8,849.36	106,192.32
		STEP G	52.3148	4,185.18	9,067.89	108,814.78
		STEP H	53.6068	4,288.54	9,291.84	111,502.14
		STEP I	54.9307	4,394.45	9,521.32	114,255.85
		STEP J	56.2873	4,502.98	9,756.46	117,077.58
		STEP K	57.6773	4,614.18	9,997.39	119,968.78
		STEP L	59.1017	4,728.13	10,244.29	122,931.53
		STEP M	60.5613	4,844.90	10,497.29	125,967.50
B939	ENERGY SERVICES ACCOUNT REP I					
		STEP A	39.3599	3,148.79	6,822.38	81,868.59
		STEP B	40.3314	3,226.51	6,990.77	83,889.31
		STEP C	41.3274	3,306.19	7,163.41	85,960.99
		STEP D	42.3480	3,387.84	7,340.32	88,083.84
		STEP E	43.3939	3,471.51	7,521.60	90,259.31
		STEP F	44.4655	3,557.24	7,707.35	92,488.24
		STEP G	45.5636	3,645.08	7,897.69	94,772.28
		STEP H	46.6889	3,735.11	8,092.74	97,112.91
		STEP I	47.8419	3,827.35	8,292.59	99,511.15
		STEP J	49.0234	3,921.87	8,497.38	101,968.67
		STEP K	50.2341	4,018.72	8,707.24	104,486.92
		STEP L	51.4747	4,117.97	8,922.28	107,067.37
		STEP M	52.7459	4,219.67	9,142.62	109,711.47

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B756	ENERGY SERVICES ACCOUNT REP II					
		STEP A	43.2959	3,463.67	7,504.62	90,055.47
		STEP B	44.3646	3,549.16	7,689.86	92,278.36
		STEP C	45.4602	3,636.81	7,879.76	94,557.21
		STEP D	46.5829	3,726.63	8,074.36	96,892.43
		STEP E	47.7333	3,818.66	8,273.77	99,285.26
		STEP F	48.9122	3,912.97	8,478.11	101,737.37
		STEP G	50.1201	4,009.60	8,687.48	104,249.80
		STEP H	51.3579	4,108.63	8,902.03	106,824.43
		STEP I	52.6262	4,210.09	9,121.87	109,462.49
		STEP J	53.9259	4,314.07	9,347.15	112,165.87
		STEP K	55.2576	4,420.60	9,577.98	114,935.80
		STEP L	56.6223	4,529.78	9,814.53	117,774.38
		STEP M	58.0206	4,641.64	10,056.90	120,682.84
B757	ENGINEERING MANAGER					
		STEP A	56.5013	4,520.10	9,793.55	117,522.70
		STEP B	57.8958	4,631.66	10,035.27	120,423.26
		STEP C	59.3256	4,746.04	10,283.10	123,397.24
		STEP D	60.7907	4,863.25	10,537.05	126,444.65
		STEP E	62.2920	4,983.36	10,797.28	129,567.36
		STEP F	63.8304	5,106.43	11,063.93	132,767.23
		STEP G	65.4068	5,232.54	11,337.17	136,046.14
		STEP H	67.0220	5,361.76	11,617.14	139,405.76
		STEP I	68.6772	5,494.17	11,904.04	142,848.57
		STEP J	70.3733	5,629.86	12,198.03	146,376.46
		STEP K	72.1112	5,768.89	12,499.27	149,991.29
		STEP L	73.8921	5,911.36	12,807.96	153,695.56
		STEP M	75.7169	6,057.35	13,124.26	157,491.15
B758	ENVIRONMENTAL COORDINATOR					
		STEP A	42.0752	3,366.01	7,293.03	87,516.41
		STEP B	43.1139	3,449.11	7,473.07	89,676.91
		STEP C	44.1786	3,534.28	7,657.62	91,891.48
		STEP D	45.2697	3,621.57	7,846.74	94,160.97
		STEP E	46.3877	3,711.01	8,040.53	96,486.41
		STEP F	47.5333	3,802.66	8,239.10	98,869.26
		STEP G	48.7071	3,896.56	8,442.56	101,310.76
		STEP H	49.9100	3,992.80	8,651.06	103,812.80
		STEP I	51.1426	4,091.40	8,864.71	106,376.60
		STEP J	52.4056	4,192.44	9,083.63	109,003.64
		STEP K	53.6998	4,295.98	9,307.96	111,695.58
		STEP L	55.0260	4,402.08	9,537.84	114,454.08
		STEP M	56.3849	4,510.79	9,773.38	117,280.59

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B761	ENVIRONMENTAL UTIL COMPL ADMIN					
		STEP A	42.0733	3,365.86	7,292.70	87,512.46
		STEP B	43.1117	3,448.93	7,472.69	89,672.33
		STEP C	44.1764	3,534.11	7,657.24	91,886.91
		STEP D	45.2674	3,621.39	7,846.34	94,156.19
		STEP E	46.3853	3,710.82	8,040.11	96,481.42
		STEP F	47.5308	3,802.46	8,238.67	98,864.06
		STEP G	48.7046	3,896.36	8,442.13	101,305.56
		STEP H	49.9074	3,992.59	8,650.61	103,807.39
		STEP I	51.1400	4,091.20	8,864.26	106,371.20
		STEP J	52.4029	4,192.23	9,083.16	108,998.03
		STEP K	53.6970	4,295.76	9,307.48	111,689.76
		STEP L	55.0231	4,401.84	9,537.33	114,448.04
		STEP M	56.3820	4,510.56	9,772.88	117,274.56
B759	ENVIRONMENTAL UTIL DIRECTOR					
		STEP A	74.5054	5,960.43	12,914.26	154,971.23
		STEP B	76.3445	6,107.56	13,233.04	158,796.56
		STEP C	78.2299	6,258.39	13,559.84	162,718.19
		STEP D	80.1619	6,412.95	13,894.72	166,736.75
		STEP E	82.1416	6,571.32	14,237.87	170,854.52
		STEP F	84.1701	6,733.60	14,589.48	175,073.80
		STEP G	86.2488	6,899.90	14,949.79	179,397.50
		STEP H	88.3788	7,070.30	15,318.99	183,827.90
		STEP I	90.5614	7,244.91	15,697.30	188,367.71
		STEP J	92.7979	7,423.83	16,084.96	193,019.63
		STEP K	95.0896	7,607.16	16,482.19	197,786.36
		STEP L	97.4380	7,795.04	16,889.25	202,671.04
		STEP M	99.8443	7,987.54	17,306.34	207,676.14
B760	EQUIPMENT MAINT SUPERVISOR					
		STEP A	31.4681	2,517.44	5,454.47	65,453.64
		STEP B	32.2449	2,579.59	5,589.11	67,069.39
		STEP C	33.0412	2,643.29	5,727.14	68,725.69
		STEP D	33.8572	2,708.57	5,868.58	70,422.97
		STEP E	34.6934	2,775.47	6,013.52	72,162.27
		STEP F	35.5501	2,844.00	6,162.01	73,944.20
		STEP G	36.4281	2,914.24	6,314.20	75,770.44
		STEP H	37.3277	2,986.21	6,470.13	77,641.61
		STEP I	38.2496	3,059.96	6,629.93	79,559.16
		STEP J	39.1942	3,135.53	6,793.66	81,523.93
		STEP K	40.1621	3,212.96	6,961.43	83,537.16
		STEP L	41.1540	3,292.32	7,133.36	85,600.32
		STEP M	42.1703	3,373.62	7,309.51	87,714.22

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B847	EU BUSINESS SVCS ADMINISTRATOR					
		STEP A	42.9160	3,433.28	7,438.77	89,265.28
		STEP B	43.9753	3,518.02	7,622.38	91,468.62
		STEP C	45.0614	3,604.91	7,810.64	93,727.71
		STEP D	46.1742	3,693.93	8,003.52	96,042.33
		STEP E	47.3145	3,785.16	8,201.18	98,414.16
		STEP F	48.4830	3,878.64	8,403.72	100,844.64
		STEP G	49.6803	3,974.42	8,611.25	103,335.02
		STEP H	50.9072	4,072.57	8,823.91	105,886.97
		STEP I	52.1644	4,173.15	9,041.82	108,501.95
		STEP J	53.4527	4,276.21	9,265.13	111,181.61
		STEP K	54.7728	4,381.82	9,493.95	113,927.42
		STEP L	56.1254	4,490.03	9,728.40	116,740.83
		STEP M	57.5115	4,600.92	9,968.66	119,623.92
B848	EU RATE ANALYST I					
		STEP A	34.4334	2,754.67	5,968.45	71,621.47
		STEP B	35.2833	2,822.66	6,115.77	73,389.26
		STEP C	36.1547	2,892.37	6,266.81	75,201.77
		STEP D	37.0476	2,963.80	6,421.58	77,059.00
		STEP E	37.9625	3,037.00	6,580.16	78,962.00
		STEP F	38.9000	3,112.00	6,742.66	80,912.00
		STEP G	39.8607	3,188.85	6,909.18	82,910.25
		STEP H	40.8451	3,267.60	7,079.81	84,957.80
		STEP I	41.8538	3,348.30	7,254.65	87,055.90
		STEP J	42.8874	3,430.99	7,433.81	89,205.79
		STEP K	43.9466	3,515.72	7,617.41	91,408.92
		STEP L	45.0319	3,602.55	7,805.52	93,666.35
		STEP M	46.1440	3,691.52	7,998.29	95,979.52
B849	EU RATE ANALYST II					
		STEP A	37.3182	2,985.45	6,468.48	77,621.85
		STEP B	38.2394	3,059.15	6,628.16	79,537.95
		STEP C	39.1838	3,134.70	6,791.85	81,502.30
		STEP D	40.1515	3,212.12	6,959.59	83,515.12
		STEP E	41.1431	3,291.44	7,131.47	85,577.64
		STEP F	42.1591	3,372.72	7,307.57	87,690.92
		STEP G	43.2003	3,456.02	7,488.05	89,856.62
		STEP H	44.2672	3,541.37	7,672.98	92,075.77
		STEP I	45.3604	3,628.83	7,862.46	94,349.63
		STEP J	46.4806	3,718.44	8,056.63	96,679.64
		STEP K	47.6285	3,810.28	8,255.60	99,067.28
		STEP L	48.8047	3,904.37	8,459.48	101,513.77
		STEP M	50.0100	4,000.80	8,668.40	104,020.80

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B762	FACILITIES MANAGER					
		STEP A	40.5824	3,246.59	7,034.28	84,411.39
		STEP B	41.5839	3,326.71	7,207.87	86,494.51
		STEP C	42.6109	3,408.87	7,385.88	88,630.67
		STEP D	43.6632	3,493.05	7,568.28	90,819.45
		STEP E	44.7415	3,579.32	7,755.19	93,062.32
		STEP F	45.8465	3,667.72	7,946.72	95,360.72
		STEP G	46.9787	3,758.29	8,142.97	97,715.69
		STEP H	48.1389	3,851.11	8,344.07	100,128.91
		STEP I	49.3277	3,946.21	8,550.13	102,601.61
		STEP J	50.5459	4,043.67	8,761.28	105,135.47
		STEP K	51.7942	4,143.53	8,977.66	107,731.93
		STEP L	53.0733	4,245.86	9,199.37	110,392.46
		STEP M	54.3840	4,350.72	9,426.56	113,118.72
B763	FINANCE DIRECTOR					
		STEP A	67.0881	5,367.04	11,628.60	139,543.24
		STEP B	68.7443	5,499.54	11,915.67	142,988.14
		STEP C	70.4421	5,635.36	12,209.96	146,519.56
		STEP D	72.1817	5,774.53	12,511.49	150,137.93
		STEP E	73.9643	5,917.14	12,820.47	153,845.74
		STEP F	75.7909	6,063.27	13,137.08	157,645.07
		STEP G	77.6626	6,213.00	13,461.51	161,538.20
		STEP H	79.5806	6,366.44	13,793.97	165,527.64
		STEP I	81.5459	6,523.67	14,134.62	169,615.47
		STEP J	83.5598	6,684.78	14,483.69	173,804.38
		STEP K	85.6234	6,849.87	14,841.38	178,096.67
		STEP L	87.7379	7,019.03	15,207.90	182,494.83
		STEP M	89.9047	7,192.37	15,583.48	187,001.77
B764	FINANCE MANAGER					
		STEP A	43.9697	3,517.57	7,621.41	91,456.97
		STEP B	45.0552	3,604.41	7,809.56	93,714.81
		STEP C	46.1679	3,693.43	8,002.43	96,029.23
		STEP D	47.3081	3,784.64	8,200.07	98,400.84
		STEP E	48.4764	3,878.11	8,402.57	100,830.91
		STEP F	49.6736	3,973.88	8,610.09	103,321.08
		STEP G	50.9003	4,072.02	8,822.71	105,872.62
		STEP H	52.1574	4,172.59	9,040.61	108,487.39
		STEP I	53.4454	4,275.63	9,263.86	111,166.43
		STEP J	54.7653	4,381.22	9,492.65	113,911.82
		STEP K	56.1178	4,489.42	9,727.08	116,725.02
		STEP L	57.5037	4,600.29	9,967.30	119,607.69
		STEP M	58.9238	4,713.90	10,213.45	122,561.50

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B765	FINANCE SUPERVISOR					
		STEP A	36.3377	2,907.01	6,298.53	75,582.41
		STEP B	37.2345	2,978.76	6,453.98	77,447.76
		STEP C	38.1540	3,052.32	6,613.36	79,360.32
		STEP D	39.0963	3,127.70	6,776.69	81,320.30
		STEP E	40.0618	3,204.94	6,944.04	83,328.54
		STEP F	41.0511	3,284.08	7,115.52	85,386.28
		STEP G	42.0649	3,365.19	7,291.24	87,494.99
		STEP H	43.1038	3,448.30	7,471.32	89,655.90
		STEP I	44.1683	3,533.46	7,655.83	91,870.06
		STEP J	45.2591	3,620.72	7,844.91	94,138.92
		STEP K	46.3768	3,710.14	8,038.64	96,463.74
		STEP L	47.5221	3,801.76	8,237.16	98,845.96
		STEP M	48.6957	3,895.65	8,440.58	101,287.05
B766	FIRE BATTALION CHIEF (8HR)					
		STEP A	51.1945	4,095.56	8,873.71	106,484.56
		STEP B	51.8769	4,150.15	8,992.00	107,903.95
		STEP C	53.1581	4,252.64	9,214.07	110,568.84
		STEP D	54.4709	4,357.67	9,441.62	113,299.47
		STEP E	55.8161	4,465.28	9,674.79	116,097.48
		STEP F	57.1945	4,575.56	9,913.71	118,964.56
		STEP G	58.6070	4,688.56	10,158.54	121,902.56
		STEP H	60.0544	4,804.35	10,409.42	124,913.15
		STEP I	61.5375	4,923.00	10,666.50	127,998.00
		STEP J	63.0572	5,044.57	10,929.91	131,158.97
		STEP K	64.6145	5,169.16	11,199.84	134,398.16
		STEP L	66.2102	5,296.81	11,476.43	137,717.21
		STEP M	67.8453	5,427.62	11,759.85	141,118.22
B767	FIRE BATTALION CHIEF (24HR)					
		STEP A	36.1622	4,050.16	8,775.36	105,304.32
		STEP B	37.0549	4,150.14	8,991.98	107,903.86
		STEP C	37.9700	4,252.64	9,214.05	110,568.64
		STEP D	38.9077	4,357.66	9,441.60	113,299.22
		STEP E	39.8686	4,465.28	9,674.78	116,097.36
		STEP F	40.8532	4,575.55	9,913.70	118,964.51
		STEP G	41.8621	4,688.55	10,158.53	121,902.43
		STEP H	42.8959	4,804.34	10,409.40	124,912.86
		STEP I	43.9553	4,922.99	10,666.48	127,997.83
		STEP J	45.0408	5,044.56	10,929.90	131,158.80
		STEP K	46.1532	5,169.15	11,199.84	134,398.11
		STEP L	47.2930	5,296.81	11,476.43	137,717.21
		STEP M	48.4609	5,427.62	11,759.84	141,118.14

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B768	FIRE CHIEF	STEP A	72.7667	5,821.33	12,612.89	151,354.73
		STEP B	74.5628	5,965.02	12,924.21	155,090.62
		STEP C	76.4042	6,112.33	13,243.39	158,920.73
		STEP D	78.2911	6,263.28	13,570.45	162,845.48
		STEP E	80.2246	6,417.96	13,905.59	166,867.16
		STEP F	82.2058	6,576.46	14,249.00	170,988.06
		STEP G	84.2360	6,738.88	14,600.90	175,210.88
		STEP H	86.3163	6,905.30	14,961.49	179,537.90
		STEP I	88.4479	7,075.83	15,330.96	183,971.63
		STEP J	90.6322	7,250.57	15,709.58	188,514.97
		STEP K	92.8705	7,429.64	16,097.55	193,170.64
		STEP L	95.1640	7,613.12	16,495.09	197,941.12
		STEP M	97.5142	7,801.13	16,902.46	202,829.53
B769	FIRE DIVISION CHIEF	STEP A	55.6902	4,455.21	9,652.96	115,835.61
		STEP B	57.0648	4,565.18	9,891.23	118,694.78
		STEP C	58.4741	4,677.92	10,135.51	121,626.12
		STEP D	59.9182	4,793.45	10,385.82	124,629.85
		STEP E	61.3979	4,911.83	10,642.30	127,707.63
		STEP F	62.9142	5,033.13	10,905.12	130,861.53
		STEP G	64.4679	5,157.43	11,174.43	134,093.23
		STEP H	66.0600	5,284.80	11,450.40	137,404.80
		STEP I	67.6915	5,415.32	11,733.19	140,798.32
		STEP J	69.3632	5,549.05	12,022.95	144,275.45
		STEP K	71.0762	5,686.09	12,319.87	147,838.49
		STEP L	72.8315	5,826.52	12,624.12	151,489.52
		STEP M	74.6301	5,970.40	12,935.88	155,230.60
B770	FLEET MANAGER	STEP A	40.5824	3,246.59	7,034.28	84,411.39
		STEP B	41.5839	3,326.71	7,207.87	86,494.51
		STEP C	42.6109	3,408.87	7,385.88	88,630.67
		STEP D	43.6632	3,493.05	7,568.28	90,819.45
		STEP E	44.7415	3,579.32	7,755.19	93,062.32
		STEP F	45.8465	3,667.72	7,946.72	95,360.72
		STEP G	46.9787	3,758.29	8,142.97	97,715.69
		STEP H	48.1389	3,851.11	8,344.07	100,128.91
		STEP I	49.3277	3,946.21	8,550.13	102,601.61
		STEP J	50.5459	4,043.67	8,761.28	105,135.47
		STEP K	51.7942	4,143.53	8,977.66	107,731.93
		STEP L	53.0733	4,245.86	9,199.37	110,392.46
		STEP M	54.3840	4,350.72	9,426.56	113,118.72

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B771	GOVERNMENT RELATIONS ADMINISTR					
		STEP A	43.9043	3,512.34	7,610.07	91,320.94
		STEP B	44.9880	3,599.04	7,797.92	93,575.04
		STEP C	46.0990	3,687.92	7,990.49	95,885.92
		STEP D	47.2374	3,778.99	8,187.81	98,253.79
		STEP E	48.4040	3,872.32	8,390.02	100,680.32
		STEP F	49.5994	3,967.95	8,597.22	103,166.75
		STEP G	50.8243	4,065.94	8,809.54	105,714.54
		STEP H	52.0795	4,166.36	9,027.11	108,325.36
		STEP I	53.3656	4,269.24	9,250.03	111,000.44
		STEP J	54.6835	4,374.68	9,478.47	113,741.68
		STEP K	56.0340	4,482.72	9,712.56	116,550.72
		STEP L	57.4178	4,593.42	9,952.41	119,429.02
		STEP M	58.8358	4,706.86	10,198.20	122,378.46
B844	HOUSING MANAGER					
		STEP A	43.4443	3,475.54	7,530.34	90,364.14
		STEP B	44.5172	3,561.37	7,716.31	92,595.77
		STEP C	45.6166	3,649.32	7,906.87	94,882.52
		STEP D	46.7432	3,739.45	8,102.15	97,225.85
		STEP E	47.8976	3,831.80	8,302.25	99,627.00
		STEP F	49.0804	3,926.43	8,507.26	102,087.23
		STEP G	50.2925	4,023.40	8,717.36	104,608.40
		STEP H	51.5345	4,122.76	8,932.64	107,191.76
		STEP I	52.8072	4,224.57	9,153.24	109,838.97
		STEP J	54.1114	4,328.91	9,379.30	112,551.71
		STEP K	55.4477	4,435.81	9,610.93	115,331.21
		STEP L	56.8170	4,545.36	9,848.28	118,179.36
		STEP M	58.2202	4,657.61	10,091.50	121,098.01
B772	HOUSING SUPERVISOR					
		STEP A	36.5872	2,926.97	6,341.78	76,101.37
		STEP B	37.4902	2,999.21	6,498.30	77,979.61
		STEP C	38.4160	3,073.28	6,658.77	79,905.28
		STEP D	39.3647	3,149.17	6,823.21	81,878.57
		STEP E	40.3369	3,226.95	6,991.72	83,900.75
		STEP F	41.3331	3,306.64	7,164.40	85,972.84
		STEP G	42.3538	3,388.30	7,341.32	88,095.90
		STEP H	43.3998	3,471.98	7,522.63	90,271.58
		STEP I	44.4716	3,557.72	7,708.41	92,500.92
		STEP J	45.5699	3,645.59	7,898.78	94,785.39
		STEP K	46.6952	3,735.61	8,093.83	97,126.01
		STEP L	47.8484	3,827.87	8,293.72	99,524.67
		STEP M	49.0301	3,922.40	8,498.55	101,982.60

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B773	HUMAN RESOURCES ANALYST I					
		STEP A	32.2511	2,580.08	5,590.19	67,082.28
		STEP B	33.0472	2,643.77	5,728.18	68,738.17
		STEP C	33.8633	2,709.06	5,869.63	70,435.66
		STEP D	34.6996	2,775.96	6,014.59	72,175.16
		STEP E	35.5565	2,844.52	6,163.12	73,957.52
		STEP F	36.4346	2,914.76	6,315.33	75,783.96
		STEP G	37.3344	2,986.75	6,471.29	77,655.55
		STEP H	38.2564	3,060.51	6,631.10	79,573.31
		STEP I	39.2012	3,136.09	6,794.87	81,538.49
		STEP J	40.1693	3,213.54	6,962.67	83,552.14
		STEP K	41.1614	3,292.91	7,134.64	85,615.71
		STEP L	42.1779	3,374.23	7,310.83	87,730.03
		STEP M	43.2195	3,457.56	7,491.38	89,896.56
B774	HUMAN RESOURCES ANALYST II					
		STEP A	35.4797	2,838.37	6,149.81	73,797.77
		STEP B	36.3555	2,908.44	6,301.62	75,619.44
		STEP C	37.2534	2,980.27	6,457.25	77,487.07
		STEP D	38.1734	3,053.87	6,616.72	79,400.67
		STEP E	39.1161	3,129.28	6,780.12	81,361.48
		STEP F	40.0821	3,206.56	6,947.56	83,370.76
		STEP G	41.0720	3,285.76	7,119.14	85,429.76
		STEP H	42.0863	3,366.90	7,294.95	87,539.50
		STEP I	43.1256	3,450.04	7,475.10	89,701.24
		STEP J	44.1907	3,535.25	7,659.72	91,916.65
		STEP K	45.2820	3,622.56	7,848.88	94,186.56
		STEP L	46.4003	3,712.02	8,042.71	96,512.62
		STEP M	47.5462	3,803.69	8,241.34	98,896.09
B775	HUMAN RESOURCES DIRECTOR					
		STEP A	61.0708	4,885.66	10,585.60	127,027.26
		STEP B	62.5784	5,006.27	10,846.92	130,163.07
		STEP C	64.1238	5,129.90	11,114.79	133,377.50
		STEP D	65.7074	5,256.59	11,389.28	136,671.39
		STEP E	67.3301	5,386.40	11,670.55	140,046.60
		STEP F	68.9929	5,519.43	11,958.76	143,505.23
		STEP G	70.6968	5,655.74	12,254.11	147,049.34
		STEP H	72.4427	5,795.41	12,556.73	150,680.81
		STEP I	74.2318	5,938.54	12,866.84	154,402.14
		STEP J	76.0650	6,085.20	13,184.60	158,215.20
		STEP K	77.9435	6,235.48	13,510.20	162,122.48
		STEP L	79.8684	6,389.47	13,843.85	166,126.27
		STEP M	81.8408	6,547.26	14,185.73	170,228.86

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B776	HUMAN RESOURCES MANAGER					
		STEP A	41.6683	3,333.46	7,222.50	86,670.06
		STEP B	42.6971	3,415.76	7,400.83	88,809.96
		STEP C	43.7516	3,500.12	7,583.61	91,003.32
		STEP D	44.8320	3,586.56	7,770.88	93,250.56
		STEP E	45.9392	3,675.13	7,962.79	95,553.53
		STEP F	47.0737	3,765.89	8,159.44	97,913.29
		STEP G	48.2363	3,858.90	8,360.95	100,331.50
		STEP H	49.4275	3,954.20	8,567.43	102,809.20
		STEP I	50.6482	4,051.85	8,779.02	105,348.25
		STEP J	51.8990	4,151.92	8,995.82	107,949.92
		STEP K	53.1807	4,254.45	9,217.98	110,615.85
		STEP L	54.4940	4,359.52	9,445.62	113,347.52
		STEP M	55.8398	4,467.18	9,678.89	116,146.78
B777	INFO SECURITY ADMINISTRATOR					
		STEP A	42.8581	3,428.64	7,428.73	89,144.84
		STEP B	43.9160	3,513.28	7,612.10	91,345.28
		STEP C	45.0006	3,600.04	7,800.10	93,601.24
		STEP D	46.1119	3,688.95	7,992.72	95,912.75
		STEP E	47.2507	3,780.05	8,190.12	98,281.45
		STEP F	48.4176	3,873.40	8,392.38	100,708.60
		STEP G	49.6133	3,969.06	8,599.63	103,195.66
		STEP H	50.8385	4,067.08	8,812.00	105,744.08
		STEP I	52.0941	4,167.52	9,029.64	108,355.72
		STEP J	53.3806	4,270.44	9,252.63	111,031.64
		STEP K	54.6989	4,375.91	9,481.14	113,773.71
		STEP L	56.0497	4,483.97	9,715.28	116,583.37
		STEP M	57.4339	4,594.71	9,955.20	119,462.51
B778	INTERPRETIVE SRVCS SUPERVISOR					
		STEP A	31.2307	2,498.45	5,413.32	64,959.85
		STEP B	32.0020	2,560.16	5,547.01	66,564.16
		STEP C	32.7923	2,623.38	5,684.00	68,207.98
		STEP D	33.6022	2,688.17	5,824.38	69,892.57
		STEP E	34.4320	2,754.56	5,968.21	71,618.56
		STEP F	35.2823	2,822.58	6,115.59	73,387.18
		STEP G	36.1537	2,892.29	6,266.64	75,199.69
		STEP H	37.0465	2,963.72	6,421.39	77,056.72
		STEP I	37.9614	3,036.91	6,579.97	78,959.71
		STEP J	38.8989	3,111.91	6,742.47	80,909.71
		STEP K	39.8596	3,188.76	6,909.00	82,907.96
		STEP L	40.8439	3,267.51	7,079.60	84,955.31
		STEP M	41.8526	3,348.20	7,254.45	87,053.40

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B779	IT DIVISION MANAGER					
		STEP A	44.7165	3,577.32	7,750.86	93,010.32
		STEP B	45.8208	3,665.66	7,942.27	95,307.26
		STEP C	46.9524	3,756.19	8,138.41	97,660.99
		STEP D	48.1119	3,848.95	8,339.39	100,072.75
		STEP E	49.3001	3,944.00	8,545.35	102,544.20
		STEP F	50.5176	4,041.40	8,756.38	105,076.60
		STEP G	51.7652	4,141.21	8,972.63	107,671.61
		STEP H	53.0436	4,243.48	9,194.22	110,330.68
		STEP I	54.3535	4,348.28	9,421.27	113,055.28
		STEP J	55.6958	4,455.66	9,653.93	115,847.26
		STEP K	57.0713	4,565.70	9,892.35	118,708.30
		STEP L	58.4807	4,678.45	10,136.65	121,639.85
		STEP M	59.9250	4,794.00	10,387.00	124,644.00
B781	IT PROGRAM MANAGER					
		STEP A	40.6545	3,252.36	7,046.78	84,561.36
		STEP B	41.6585	3,332.68	7,220.80	86,649.68
		STEP C	42.6873	3,414.98	7,399.13	88,789.58
		STEP D	43.7415	3,499.32	7,581.86	90,982.32
		STEP E	44.8217	3,585.73	7,769.09	93,229.13
		STEP F	45.9286	3,674.28	7,960.95	95,531.48
		STEP G	47.0629	3,765.03	8,157.56	97,890.83
		STEP H	48.2252	3,858.01	8,359.03	100,308.41
		STEP I	49.4161	3,953.28	8,565.45	102,785.48
		STEP J	50.6365	4,050.92	8,776.99	105,323.92
		STEP K	51.8870	4,150.96	8,993.74	107,924.96
		STEP L	53.1684	4,253.47	9,215.85	110,590.27
		STEP M	54.4815	4,358.52	9,443.46	113,321.52
B782	KEY ACCOUNTS REPRESENTATIVE					
		STEP A	47.6233	3,809.86	8,254.70	99,056.46
		STEP B	48.7987	3,903.89	8,458.44	101,501.29
		STEP C	50.0039	4,000.31	8,667.34	104,008.11
		STEP D	51.2388	4,099.10	8,881.39	106,576.70
		STEP E	52.5042	4,200.33	9,100.72	109,208.73
		STEP F	53.8008	4,304.06	9,325.47	111,905.66
		STEP G	55.1295	4,410.36	9,555.78	114,669.36
		STEP H	56.4909	4,519.27	9,791.75	117,501.07
		STEP I	57.8860	4,630.88	10,033.57	120,402.88
		STEP J	59.3156	4,745.24	10,281.37	123,376.44
		STEP K	60.7805	4,862.44	10,535.28	126,423.44
		STEP L	62.2815	4,982.52	10,795.46	129,545.52
		STEP M	63.8196	5,105.56	11,062.06	132,744.76

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B783	LIBRARY SUPERVISOR					
		STEP A	32.1157	2,569.25	5,566.72	66,800.65
		STEP B	32.9086	2,632.68	5,704.15	68,449.88
		STEP C	33.7213	2,697.70	5,845.02	70,140.30
		STEP D	34.5541	2,764.32	5,989.37	71,872.52
		STEP E	35.4075	2,832.60	6,137.30	73,647.60
		STEP F	36.2819	2,902.55	6,288.86	75,466.35
		STEP G	37.1779	2,974.23	6,444.16	77,330.03
		STEP H	38.0960	3,047.68	6,603.30	79,239.68
		STEP I	39.0369	3,122.95	6,766.39	81,196.75
		STEP J	40.0009	3,200.07	6,933.48	83,201.87
		STEP K	40.9888	3,279.10	7,104.72	85,256.70
		STEP L	42.0010	3,360.08	7,280.17	87,362.08
		STEP M	43.0383	3,443.06	7,459.97	89,519.66
B784	MANAGEMENT ANALYST					
		STEP A	38.4165	3,073.32	6,658.86	79,906.32
		STEP B	39.3646	3,149.16	6,823.19	81,878.36
		STEP C	40.3367	3,226.93	6,991.69	83,900.33
		STEP D	41.3329	3,306.63	7,164.36	85,972.43
		STEP E	42.3537	3,388.29	7,341.30	88,095.69
		STEP F	43.3996	3,471.96	7,522.59	90,271.16
		STEP G	44.4714	3,557.71	7,708.37	92,500.51
		STEP H	45.5697	3,645.57	7,898.74	94,784.97
		STEP I	46.6951	3,735.60	8,093.81	97,125.80
		STEP J	47.8483	3,827.86	8,293.70	99,524.46
		STEP K	49.0299	3,922.39	8,498.51	101,982.19
		STEP L	50.2408	4,019.26	8,708.40	104,500.86
		STEP M	51.4815	4,118.52	8,923.46	107,081.52
B785	MAPPING SUPERVISOR					
		STEP A	36.5871	2,926.96	6,341.76	76,101.16
		STEP B	37.4902	2,999.21	6,498.30	77,979.61
		STEP C	38.4160	3,073.28	6,658.77	79,905.28
		STEP D	39.3647	3,149.17	6,823.21	81,878.57
		STEP E	40.3369	3,226.95	6,991.72	83,900.75
		STEP F	41.3331	3,306.64	7,164.40	85,972.84
		STEP G	42.3538	3,388.30	7,341.32	88,095.90
		STEP H	43.3998	3,471.98	7,522.63	90,271.58
		STEP I	44.4716	3,557.72	7,708.41	92,500.92
		STEP J	45.5699	3,645.59	7,898.78	94,785.39
		STEP K	46.6952	3,735.61	8,093.83	97,126.01
		STEP L	47.8484	3,827.87	8,293.72	99,524.67
		STEP M	49.0301	3,922.40	8,498.55	101,982.60

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B786	METER SERVICES SUPERVISOR					
		STEP A	24.2042	1,936.33	4,195.39	50,344.73
		STEP B	24.8019	1,984.15	4,299.00	51,587.95
		STEP C	25.4144	2,033.15	4,405.16	52,861.95
		STEP D	26.0421	2,083.36	4,513.96	54,167.56
		STEP E	26.6852	2,134.81	4,625.43	55,505.21
		STEP F	27.3442	2,187.53	4,739.66	56,875.93
		STEP G	28.0195	2,241.56	4,856.71	58,280.56
		STEP H	28.7115	2,296.92	4,976.66	59,719.92
		STEP I	29.4205	2,353.64	5,099.55	61,194.64
		STEP J	30.1471	2,411.76	5,225.49	62,705.96
		STEP K	30.8916	2,471.32	5,354.54	64,254.52
		STEP L	31.6545	2,532.36	5,486.78	65,841.36
		STEP M	32.4363	2,594.90	5,622.29	67,467.50
B787	OPEN SPACE SUPERINTENDENT					
		STEP A	37.0282	2,962.25	6,418.22	77,018.65
		STEP B	37.9426	3,035.40	6,576.71	78,920.60
		STEP C	38.8797	3,110.37	6,739.14	80,869.77
		STEP D	39.8398	3,187.18	6,905.56	82,866.78
		STEP E	40.8237	3,265.89	7,076.10	84,913.29
		STEP F	41.8319	3,346.55	7,250.86	87,010.35
		STEP G	42.8650	3,429.20	7,429.93	89,159.20
		STEP H	43.9236	3,513.88	7,613.42	91,361.08
		STEP I	45.0083	3,600.66	7,801.43	93,617.26
		STEP J	46.1198	3,689.58	7,994.09	95,929.18
		STEP K	47.2588	3,780.70	8,191.52	98,298.30
		STEP L	48.4259	3,874.07	8,393.82	100,725.87
		STEP M	49.6218	3,969.74	8,601.11	103,213.34
B788	PARK DEVELOPMENT ANALYST I					
		STEP A	33.2609	2,660.87	5,765.22	69,182.67
		STEP B	34.0820	2,726.56	5,907.54	70,890.56
		STEP C	34.9236	2,793.88	6,053.42	72,641.08
		STEP D	35.7861	2,862.88	6,202.92	74,435.08
		STEP E	36.6699	2,933.59	6,356.11	76,273.39
		STEP F	37.5755	3,006.04	6,513.08	78,157.04
		STEP G	38.5035	3,080.28	6,673.94	80,087.28
		STEP H	39.4543	3,156.34	6,838.74	82,064.94
		STEP I	40.4287	3,234.29	7,007.64	84,091.69
		STEP J	41.4271	3,314.16	7,180.69	86,168.36
		STEP K	42.4502	3,396.01	7,358.03	88,296.41
		STEP L	43.4986	3,479.88	7,539.75	90,477.08
		STEP M	44.5728	3,565.82	7,725.95	92,711.42

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B789	PARK DEVELOPMENT ANALYST II					
		STEP A	36.5872	2,926.97	6,341.78	76,101.37
		STEP B	37.4902	2,999.21	6,498.30	77,979.61
		STEP C	38.4160	3,073.28	6,658.77	79,905.28
		STEP D	39.3647	3,149.17	6,823.21	81,878.57
		STEP E	40.3369	3,226.95	6,991.72	83,900.75
		STEP F	41.3331	3,306.64	7,164.40	85,972.84
		STEP G	42.3538	3,388.30	7,341.32	88,095.90
		STEP H	43.3998	3,471.98	7,522.63	90,271.58
		STEP I	44.4716	3,557.72	7,708.41	92,500.92
		STEP J	45.5699	3,645.59	7,898.78	94,785.39
		STEP K	46.6952	3,735.61	8,093.83	97,126.01
		STEP L	47.8484	3,827.87	8,293.72	99,524.67
		STEP M	49.0301	3,922.40	8,498.55	101,982.60
B790	PARK PLANNING & DEVELOPMT SUPT					
		STEP A	37.0282	2,962.25	6,418.22	77,018.65
		STEP B	37.9426	3,035.40	6,576.71	78,920.60
		STEP C	38.8797	3,110.37	6,739.14	80,869.77
		STEP D	39.8398	3,187.18	6,905.56	82,866.78
		STEP E	40.8237	3,265.89	7,076.10	84,913.29
		STEP F	41.8319	3,346.55	7,250.86	87,010.35
		STEP G	42.8650	3,429.20	7,429.93	89,159.20
		STEP H	43.9236	3,513.88	7,613.42	91,361.08
		STEP I	45.0083	3,600.66	7,801.43	93,617.26
		STEP J	46.1198	3,689.58	7,994.09	95,929.18
		STEP K	47.2588	3,780.70	8,191.52	98,298.30
		STEP L	48.4259	3,874.07	8,393.82	100,725.87
		STEP M	49.6218	3,969.74	8,601.11	103,213.34
B791	PARKS SUPERINTENDENT					
		STEP A	37.0282	2,962.25	6,418.22	77,018.65
		STEP B	37.9426	3,035.40	6,576.71	78,920.60
		STEP C	38.8797	3,110.37	6,739.14	80,869.77
		STEP D	39.8398	3,187.18	6,905.56	82,866.78
		STEP E	40.8237	3,265.89	7,076.10	84,913.29
		STEP F	41.8319	3,346.55	7,250.86	87,010.35
		STEP G	42.8650	3,429.20	7,429.93	89,159.20
		STEP H	43.9236	3,513.88	7,613.42	91,361.08
		STEP I	45.0083	3,600.66	7,801.43	93,617.26
		STEP J	46.1198	3,689.58	7,994.09	95,929.18
		STEP K	47.2588	3,780.70	8,191.52	98,298.30
		STEP L	48.4259	3,874.07	8,393.82	100,725.87
		STEP M	49.6218	3,969.74	8,601.11	103,213.34

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B792	PARKS SUPERVISOR					
		STEP A	29.9659	2,397.27	5,194.08	62,329.07
		STEP B	30.7059	2,456.47	5,322.35	63,868.27
		STEP C	31.4642	2,517.13	5,453.79	65,445.53
		STEP D	32.2413	2,579.30	5,588.49	67,061.90
		STEP E	33.0375	2,643.00	5,726.50	68,718.00
		STEP F	33.8534	2,708.27	5,867.92	70,415.07
		STEP G	34.6895	2,775.16	6,012.84	72,154.16
		STEP H	35.5461	2,843.68	6,161.32	73,935.88
		STEP I	36.4240	2,913.92	6,313.49	75,761.92
		STEP J	37.3235	2,985.88	6,469.40	77,632.88
		STEP K	38.2453	3,059.62	6,629.18	79,550.22
		STEP L	39.1898	3,135.18	6,792.89	81,514.78
		STEP M	40.1576	3,212.60	6,960.65	83,527.80
B794	PARKS,REC & LIBRARIES DIRECTOR					
		STEP A	66.0802	5,286.41	11,453.90	137,446.81
		STEP B	67.7114	5,416.91	11,736.64	140,839.71
		STEP C	69.3836	5,550.68	12,026.49	144,317.88
		STEP D	71.0971	5,687.76	12,323.49	147,881.96
		STEP E	72.8529	5,828.23	12,627.83	151,534.03
		STEP F	74.6521	5,972.16	12,939.69	155,276.36
		STEP G	76.4957	6,119.65	13,259.25	159,111.05
		STEP H	78.3848	6,270.78	13,586.69	163,040.38
		STEP I	80.3206	6,425.64	13,922.23	167,066.84
		STEP J	82.3042	6,584.33	14,266.06	171,192.73
		STEP K	84.3368	6,746.94	14,618.37	175,420.54
		STEP L	86.4196	6,913.56	14,979.39	179,752.76
		STEP M	88.5538	7,084.30	15,349.32	184,191.90
B793	PARKS,REC & LIBRARY BUS ADMSTR					
		STEP A	37.0442	2,963.53	6,420.99	77,051.93
		STEP B	37.9591	3,036.72	6,579.57	78,954.92
		STEP C	38.8965	3,111.72	6,742.06	80,904.72
		STEP D	39.8571	3,188.56	6,908.56	82,902.76
		STEP E	40.8414	3,267.31	7,079.17	84,950.11
		STEP F	41.8500	3,348.00	7,254.00	87,048.00
		STEP G	42.8836	3,430.68	7,433.15	89,197.88
		STEP H	43.9426	3,515.40	7,616.71	91,400.60
		STEP I	45.0278	3,602.22	7,804.81	93,657.82
		STEP J	46.1398	3,691.18	7,997.56	95,970.78
		STEP K	47.2793	3,782.34	8,195.07	98,340.94
		STEP L	48.4469	3,875.75	8,397.46	100,769.55
		STEP M	49.6433	3,971.46	8,604.83	103,258.06

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B795	PLANNING MANAGER					
		STEP A	55.5189	4,441.51	9,623.27	115,479.31
		STEP B	56.8894	4,551.15	9,860.82	118,329.95
		STEP C	58.2944	4,663.55	10,104.36	121,252.35
		STEP D	59.7340	4,778.72	10,353.89	124,246.72
		STEP E	61.2092	4,896.73	10,609.59	127,315.13
		STEP F	62.7208	5,017.66	10,871.60	130,459.26
		STEP G	64.2698	5,141.58	11,140.09	133,681.18
		STEP H	65.8570	5,268.56	11,415.21	136,982.56
		STEP I	67.4834	5,398.67	11,697.12	140,365.47
		STEP J	69.1500	5,532.00	11,986.00	143,832.00
		STEP K	70.8577	5,668.61	12,282.00	147,384.01
		STEP L	72.6076	5,808.60	12,585.31	151,023.80
		STEP M	74.4007	5,952.05	12,896.12	154,753.45
B796	POLICE CAPTAIN					
		STEP A	57.9703	4,637.62	10,048.18	120,578.22
		STEP B	59.4013	4,752.10	10,296.22	123,554.70
		STEP C	60.8682	4,869.45	10,550.48	126,605.85
		STEP D	62.3714	4,989.71	10,811.04	129,732.51
		STEP E	63.9118	5,112.94	11,078.04	132,936.54
		STEP F	65.4901	5,239.20	11,351.61	136,219.40
		STEP G	67.1075	5,368.60	11,631.96	139,583.60
		STEP H	68.7648	5,501.18	11,919.23	143,030.78
		STEP I	70.4630	5,637.04	12,213.58	146,563.04
		STEP J	72.2031	5,776.24	12,515.20	150,182.44
		STEP K	73.9862	5,918.89	12,824.27	153,891.29
		STEP L	75.8134	6,065.07	13,140.98	157,691.87
		STEP M	77.6857	6,214.85	13,465.52	161,586.25
B797	POLICE CHIEF					
		STEP A	77.9578	6,236.62	13,512.68	162,152.22
		STEP B	79.8820	6,390.56	13,846.21	166,154.56
		STEP C	81.8548	6,548.38	14,188.16	170,257.98
		STEP D	83.8763	6,710.10	14,538.55	174,462.70
		STEP E	85.9477	6,875.81	14,897.60	178,771.21
		STEP F	88.0702	7,045.61	15,265.50	183,186.01
		STEP G	90.2452	7,219.61	15,642.50	187,710.01
		STEP H	92.4739	7,397.91	16,028.80	192,345.71
		STEP I	94.7577	7,580.61	16,424.66	197,096.01
		STEP J	97.0978	7,767.82	16,830.28	201,963.42
		STEP K	99.4957	7,959.65	17,245.92	206,951.05
		STEP L	101.9529	8,156.23	17,671.83	212,062.03
		STEP M	104.4707	8,357.65	18,108.25	217,299.05

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B798	POLICE LIEUTENANT					
		STEP A	52.6215	4,209.72	9,121.06	109,452.72
		STEP B	53.9204	4,313.63	9,346.20	112,154.43
		STEP C	55.2520	4,420.16	9,577.01	114,924.16
		STEP D	56.6165	4,529.32	9,813.52	117,762.32
		STEP E	58.0148	4,641.18	10,055.89	120,670.78
		STEP F	59.4475	4,755.80	10,304.23	123,650.80
		STEP G	60.9156	4,873.24	10,558.70	126,704.44
		STEP H	62.4200	4,993.60	10,819.46	129,833.60
		STEP I	63.9615	5,116.92	11,086.66	133,039.92
		STEP J	65.5411	5,243.28	11,360.45	136,325.48
		STEP K	67.1597	5,372.77	11,641.01	139,692.17
		STEP L	68.8183	5,505.46	11,928.50	143,142.06
		STEP M	70.5178	5,641.42	12,223.08	146,677.02
B799	POLICE SERVICES ADMINISTRATOR					
		STEP A	41.4691	3,317.52	7,187.97	86,255.72
		STEP B	42.4929	3,399.43	7,365.43	88,385.23
		STEP C	43.5424	3,483.39	7,547.34	90,568.19
		STEP D	44.6177	3,569.41	7,733.73	92,804.81
		STEP E	45.7196	3,657.56	7,924.73	95,096.76
		STEP F	46.8486	3,747.88	8,120.42	97,445.08
		STEP G	48.0056	3,840.44	8,320.97	99,851.64
		STEP H	49.1912	3,935.29	8,526.47	102,317.69
		STEP I	50.4060	4,032.48	8,737.04	104,844.48
		STEP J	51.6508	4,132.06	8,952.80	107,433.66
		STEP K	52.9264	4,234.11	9,173.90	110,086.91
		STEP L	54.2335	4,338.68	9,400.47	112,805.68
		STEP M	55.5728	4,445.82	9,632.61	115,591.42
B800	POLICE SOCIAL SVCS ADMINSTR					
		STEP A	43.9043	3,512.34	7,610.07	91,320.94
		STEP B	44.9880	3,599.04	7,797.92	93,575.04
		STEP C	46.0990	3,687.92	7,990.49	95,885.92
		STEP D	47.2374	3,778.99	8,187.81	98,253.79
		STEP E	48.4040	3,872.32	8,390.02	100,680.32
		STEP F	49.5994	3,967.95	8,597.22	103,166.75
		STEP G	50.8243	4,065.94	8,809.54	105,714.54
		STEP H	52.0795	4,166.36	9,027.11	108,325.36
		STEP I	53.3656	4,269.24	9,250.03	111,000.44
		STEP J	54.6835	4,374.68	9,478.47	113,741.68
		STEP K	56.0340	4,482.72	9,712.56	116,550.72
		STEP L	57.4178	4,593.42	9,952.41	119,429.02
		STEP M	58.8358	4,706.86	10,198.20	122,378.46

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B801	POWER ENGINEERING MANAGER					
		STEP A	67.5845	5,406.76	11,714.64	140,575.76
		STEP B	69.2528	5,540.22	12,003.81	144,045.82
		STEP C	70.9631	5,677.04	12,300.27	147,603.24
		STEP D	72.7156	5,817.24	12,604.03	151,248.44
		STEP E	74.5114	5,960.91	12,915.30	154,983.71
		STEP F	76.3515	6,108.12	13,234.26	158,811.12
		STEP G	78.2371	6,258.96	13,561.09	162,733.16
		STEP H	80.1692	6,413.53	13,895.99	166,751.93
		STEP I	82.1491	6,571.92	14,239.17	170,870.12
		STEP J	84.1778	6,734.22	14,590.81	175,089.82
		STEP K	86.2567	6,900.53	14,951.16	179,413.93
		STEP L	88.3869	7,070.95	15,320.39	183,844.75
		STEP M	90.5697	7,245.57	15,698.74	188,384.97
B802	POWER GENERATION SUPERTINDENT					
		STEP A	62.0272	4,962.17	10,751.38	129,016.57
		STEP B	63.5584	5,084.67	11,016.78	132,201.47
		STEP C	65.1281	5,210.24	11,288.87	135,466.44
		STEP D	66.7365	5,338.92	11,567.66	138,811.92
		STEP E	68.3846	5,470.76	11,853.33	142,239.96
		STEP F	70.0734	5,605.87	12,146.05	145,752.67
		STEP G	71.8040	5,744.32	12,446.02	149,352.32
		STEP H	73.5772	5,886.17	12,753.38	153,040.57
		STEP I	75.3943	6,031.54	13,068.34	156,820.14
		STEP J	77.2562	6,180.49	13,391.07	160,692.89
		STEP K	79.1641	6,333.12	13,721.77	164,661.32
		STEP L	81.1192	6,489.53	14,060.66	168,727.93
		STEP M	83.1225	6,649.80	14,407.90	172,894.80
B803	POWER PLANT OPS & MAINT SUPV					
		STEP A	59.0692	4,725.53	10,238.66	122,863.93
		STEP B	60.5273	4,842.18	10,491.39	125,896.78
		STEP C	62.0221	4,961.76	10,750.49	129,005.96
		STEP D	63.5538	5,084.30	11,015.99	132,191.90
		STEP E	65.1233	5,209.86	11,288.03	135,456.46
		STEP F	66.7316	5,338.52	11,566.81	138,801.72
		STEP G	68.3796	5,470.36	11,852.46	142,229.56
		STEP H	70.0683	5,605.46	12,145.17	145,742.06
		STEP I	71.7987	5,743.89	12,445.10	149,341.29
		STEP J	73.5719	5,885.75	12,752.46	153,029.55
		STEP K	75.3888	6,031.10	13,067.39	156,808.70
		STEP L	77.2506	6,180.04	13,390.10	160,681.24
		STEP M	79.1584	6,332.67	13,720.78	164,649.47

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B804	POWER SUPPLY & PORTFOLIO ADMST					
		STEP A	64.1688	5,133.50	11,122.59	133,471.10
		STEP B	65.7529	5,260.23	11,397.16	136,766.03
		STEP C	67.3767	5,390.13	11,678.62	140,143.53
		STEP D	69.0406	5,523.24	11,967.03	143,604.44
		STEP E	70.7457	5,659.65	12,262.58	147,151.05
		STEP F	72.4928	5,799.42	12,565.41	150,785.02
		STEP G	74.2831	5,942.64	12,875.73	154,508.84
		STEP H	76.1176	6,089.40	13,193.71	158,324.60
		STEP I	77.9974	6,239.79	13,519.54	162,234.59
		STEP J	79.9236	6,393.88	13,853.42	166,241.08
		STEP K	81.8974	6,551.79	14,195.54	170,346.59
		STEP L	83.9199	6,713.59	14,546.11	174,553.39
		STEP M	85.9924	6,879.39	14,905.34	178,864.19
B805	PREVENTATIVE MAINT SUPERVISOR					
		STEP A	42.7162	3,417.29	7,404.14	88,849.69
		STEP B	43.7704	3,501.63	7,586.86	91,042.43
		STEP C	44.8514	3,588.11	7,774.24	93,290.91
		STEP D	45.9590	3,676.72	7,966.22	95,594.72
		STEP E	47.0940	3,767.52	8,162.96	97,955.52
		STEP F	48.2571	3,860.56	8,364.56	100,374.76
		STEP G	49.4488	3,955.90	8,571.12	102,853.50
		STEP H	50.6700	4,053.60	8,782.80	105,393.60
		STEP I	51.9214	4,153.71	8,999.70	107,996.51
		STEP J	53.2036	4,256.28	9,221.95	110,663.48
		STEP K	54.5175	4,361.40	9,449.70	113,396.40
		STEP L	55.8639	4,469.11	9,683.07	116,196.91
		STEP M	57.2435	4,579.48	9,922.20	119,066.48
B806	PRINCIPAL ENGINEER					
		STEP A	50.2219	4,017.75	8,705.12	104,461.55
		STEP B	51.4615	4,116.92	8,919.99	107,039.92
		STEP C	52.7324	4,218.59	9,140.28	109,683.39
		STEP D	54.0347	4,322.77	9,366.01	112,392.17
		STEP E	55.3691	4,429.52	9,597.31	115,167.72
		STEP F	56.7365	4,538.92	9,834.32	118,011.92
		STEP G	58.1377	4,651.01	10,077.20	120,926.41
		STEP H	59.5735	4,765.88	10,326.07	123,912.88
		STEP I	61.0447	4,883.57	10,581.08	126,972.97
		STEP J	62.5522	5,004.17	10,842.38	130,108.57
		STEP K	64.0970	5,127.76	11,110.14	133,321.76
		STEP L	65.6800	5,254.40	11,384.53	136,614.40
		STEP M	67.3020	5,384.16	11,665.68	139,988.16

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B807	PRINCIPAL PLANNER					
		STEP A	46.3792	3,710.33	8,039.06	96,468.73
		STEP B	47.5241	3,801.92	8,237.51	98,850.12
		STEP C	48.6977	3,895.81	8,440.93	101,291.21
		STEP D	49.9004	3,992.03	8,649.40	103,792.83
		STEP E	51.1327	4,090.61	8,863.00	106,356.01
		STEP F	52.3955	4,191.64	9,081.88	108,982.64
		STEP G	53.6895	4,295.16	9,306.18	111,674.16
		STEP H	55.0154	4,401.23	9,536.00	114,432.03
		STEP I	56.3740	4,509.92	9,771.49	117,257.92
		STEP J	57.7663	4,621.30	10,012.82	120,153.90
		STEP K	59.1928	4,735.42	10,260.08	123,121.02
		STEP L	60.6547	4,852.37	10,513.48	126,161.77
		STEP M	62.1526	4,972.20	10,773.11	129,277.40
B808	PUB AFFAIRS&COMMUNICAT ADMNSTR					
		STEP A	43.9043	3,512.34	7,610.07	91,320.94
		STEP B	44.9880	3,599.04	7,797.92	93,575.04
		STEP C	46.0990	3,687.92	7,990.49	95,885.92
		STEP D	47.2374	3,778.99	8,187.81	98,253.79
		STEP E	48.4040	3,872.32	8,390.02	100,680.32
		STEP F	49.5994	3,967.95	8,597.22	103,166.75
		STEP G	50.8243	4,065.94	8,809.54	105,714.54
		STEP H	52.0795	4,166.36	9,027.11	108,325.36
		STEP I	53.3656	4,269.24	9,250.03	111,000.44
		STEP J	54.6835	4,374.68	9,478.47	113,741.68
		STEP K	56.0340	4,482.72	9,712.56	116,550.72
		STEP L	57.4178	4,593.42	9,952.41	119,429.02
		STEP M	58.8358	4,706.86	10,198.20	122,378.46
B809	PUBLIC AFFAIRS&COMMNCT DIRCTOR					
		STEP A	55.5188	4,441.50	9,623.25	115,479.10
		STEP B	56.8894	4,551.15	9,860.82	118,329.95
		STEP C	58.2943	4,663.54	10,104.34	121,252.14
		STEP D	59.7339	4,778.71	10,353.87	124,246.51
		STEP E	61.2091	4,896.72	10,609.57	127,314.92
		STEP F	62.7207	5,017.65	10,871.58	130,459.05
		STEP G	64.2697	5,141.57	11,140.08	133,680.97
		STEP H	65.8569	5,268.55	11,415.19	136,982.35
		STEP I	67.4833	5,398.66	11,697.10	140,365.26
		STEP J	69.1499	5,531.99	11,985.98	143,831.79
		STEP K	70.8576	5,668.60	12,281.98	147,383.80
		STEP L	72.6075	5,808.60	12,585.30	151,023.60
		STEP M	74.4006	5,952.04	12,896.10	154,753.24

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B810	PUBLIC INFORMATION OFFICER					
		STEP A	39.5842	3,166.73	6,861.26	82,335.13
		STEP B	40.5614	3,244.91	7,030.64	84,367.71
		STEP C	41.5631	3,325.04	7,204.27	86,451.24
		STEP D	42.5895	3,407.16	7,382.18	88,586.16
		STEP E	43.6413	3,491.30	7,564.49	90,773.90
		STEP F	44.7191	3,577.52	7,751.31	93,015.72
		STEP G	45.8235	3,665.88	7,942.74	95,312.88
		STEP H	46.9551	3,756.40	8,138.88	97,666.60
		STEP I	48.1147	3,849.17	8,339.88	100,078.57
		STEP J	49.3030	3,944.24	8,545.85	102,550.24
		STEP K	50.5206	4,041.64	8,756.90	105,082.84
		STEP L	51.7682	4,141.45	8,973.15	107,677.85
		STEP M	53.0467	4,243.73	9,194.76	110,337.13
B811	PUBLIC WORKS DIRECTOR					
		STEP A	60.9892	4,879.13	10,571.46	126,857.53
		STEP B	62.4949	4,999.59	10,832.44	129,989.39
		STEP C	64.0383	5,123.06	11,099.97	133,199.66
		STEP D	65.6198	5,249.58	11,374.09	136,489.18
		STEP E	67.2403	5,379.22	11,654.98	139,859.82
		STEP F	68.9009	5,512.07	11,942.82	143,313.87
		STEP G	70.6024	5,648.19	12,237.74	146,852.99
		STEP H	72.3460	5,787.68	12,539.97	150,479.68
		STEP I	74.1327	5,930.61	12,849.66	154,196.01
		STEP J	75.9635	6,077.08	13,167.00	158,004.08
		STEP K	77.8395	6,227.16	13,492.18	161,906.16
		STEP L	79.7618	6,380.94	13,825.37	165,904.54
		STEP M	81.7316	6,538.52	14,166.81	170,001.72
B812	PURCHASING & WAREHOUSE MANAGER					
		STEP A	40.7316	3,258.52	7,060.14	84,721.72
		STEP B	41.7369	3,338.95	7,234.39	86,812.75
		STEP C	42.7676	3,421.40	7,413.05	88,956.60
		STEP D	43.8238	3,505.90	7,596.12	91,153.50
		STEP E	44.9061	3,592.48	7,783.72	93,404.68
		STEP F	46.0151	3,681.20	7,975.95	95,711.40
		STEP G	47.1515	3,772.12	8,172.92	98,075.12
		STEP H	48.3159	3,865.27	8,374.75	100,497.07
		STEP I	49.5091	3,960.72	8,581.57	102,978.92
		STEP J	50.7318	4,058.54	8,793.51	105,522.14
		STEP K	51.9847	4,158.77	9,010.68	108,128.17
		STEP L	53.2685	4,261.48	9,233.20	110,798.48
		STEP M	54.5840	4,366.72	9,461.22	113,534.72

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B813	RECREATION MANAGER					
		STEP A	41.2998	3,303.98	7,158.63	85,903.58
		STEP B	42.3197	3,385.57	7,335.41	88,024.97
		STEP C	43.3649	3,469.19	7,516.58	90,198.99
		STEP D	44.4358	3,554.86	7,702.20	92,426.46
		STEP E	45.5332	3,642.65	7,892.42	94,709.05
		STEP F	46.6577	3,732.61	8,087.33	97,048.01
		STEP G	47.8099	3,824.79	8,287.04	99,444.59
		STEP H	48.9907	3,919.25	8,491.72	101,900.65
		STEP I	50.2005	4,016.04	8,701.42	104,417.04
		STEP J	51.4403	4,115.22	8,916.31	106,995.82
		STEP K	52.7106	4,216.84	9,136.50	109,638.04
		STEP L	54.0124	4,320.99	9,362.14	112,345.79
		STEP M	55.3463	4,427.70	9,593.35	115,120.30
B814	RECREATION SUPERINTENDENT					
		STEP A	35.8423	2,867.38	6,212.66	74,551.98
		STEP B	36.7275	2,938.20	6,366.10	76,393.20
		STEP C	37.6345	3,010.76	6,523.31	78,279.76
		STEP D	38.5639	3,085.11	6,684.40	80,212.91
		STEP E	39.5163	3,161.30	6,849.49	82,193.90
		STEP F	40.4922	3,239.37	7,018.64	84,223.77
		STEP G	41.4922	3,319.37	7,191.98	86,303.77
		STEP H	42.5169	3,401.35	7,369.59	88,435.15
		STEP I	43.5669	3,485.35	7,551.59	90,619.15
		STEP J	44.6428	3,571.42	7,738.08	92,857.02
		STEP K	45.7453	3,659.62	7,929.18	95,150.22
		STEP L	46.8750	3,750.00	8,125.00	97,500.00
		STEP M	48.0326	3,842.60	8,325.65	99,907.80
B815	RECREATION SUPERVISOR					
		STEP A	31.2307	2,498.45	5,413.32	64,959.85
		STEP B	32.0020	2,560.16	5,547.01	66,564.16
		STEP C	32.7923	2,623.38	5,684.00	68,207.98
		STEP D	33.6022	2,688.17	5,824.38	69,892.57
		STEP E	34.4320	2,754.56	5,968.21	71,618.56
		STEP F	35.2823	2,822.58	6,115.59	73,387.18
		STEP G	36.1537	2,892.29	6,266.64	75,199.69
		STEP H	37.0465	2,963.72	6,421.39	77,056.72
		STEP I	37.9614	3,036.91	6,579.97	78,959.71
		STEP J	38.8989	3,111.91	6,742.47	80,909.71
		STEP K	39.8596	3,188.76	6,909.00	82,907.96
		STEP L	40.8439	3,267.51	7,079.60	84,955.31
		STEP M	41.8526	3,348.20	7,254.45	87,053.40

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B846	REFUSE & STORMWATER MANAGER					
		STEP A	51.6223	4,129.78	8,947.86	107,374.38
		STEP B	52.8966	4,231.72	9,168.74	110,024.92
		STEP C	54.2029	4,336.23	9,395.16	112,742.03
		STEP D	55.5415	4,443.32	9,627.19	115,526.32
		STEP E	56.9132	4,553.05	9,864.95	118,379.45
		STEP F	58.3187	4,665.49	10,108.57	121,302.89
		STEP G	59.7590	4,780.72	10,358.22	124,298.72
		STEP H	61.2348	4,898.78	10,614.03	127,368.38
		STEP I	62.7470	5,019.76	10,876.14	130,513.76
		STEP J	64.2966	5,143.72	11,144.74	133,736.92
		STEP K	65.8845	5,270.76	11,419.98	137,039.76
		STEP L	67.5116	5,400.92	11,702.01	140,424.12
		STEP M	69.1788	5,534.30	11,990.99	143,891.90
B816	REFUSE SUPERINTENDENT					
		STEP A	40.0712	3,205.69	6,945.67	83,348.09
		STEP B	41.0602	3,284.81	7,117.10	85,405.21
		STEP C	42.0743	3,365.94	7,292.87	87,514.54
		STEP D	43.1133	3,449.06	7,472.97	89,675.66
		STEP E	44.1781	3,534.24	7,657.53	91,890.44
		STEP F	45.2691	3,621.52	7,846.64	94,159.72
		STEP G	46.3871	3,710.96	8,040.43	96,485.16
		STEP H	47.5326	3,802.60	8,238.98	98,867.80
		STEP I	48.7065	3,896.52	8,442.46	101,309.52
		STEP J	49.9093	3,992.74	8,650.94	103,811.34
		STEP K	51.1419	4,091.35	8,864.59	106,375.15
		STEP L	52.4049	4,192.39	9,083.51	109,002.19
		STEP M	53.6991	4,295.92	9,307.84	111,694.12
B817	REFUSE SUPERVISOR					
		STEP A	33.7592	2,700.73	5,851.59	70,219.13
		STEP B	34.5920	2,767.36	5,995.94	71,951.36
		STEP C	35.4463	2,835.70	6,144.02	73,728.30
		STEP D	36.3217	2,905.73	6,295.76	75,549.13
		STEP E	37.2187	2,977.49	6,451.24	77,414.89
		STEP F	38.1379	3,051.03	6,610.56	79,326.83
		STEP G	39.0797	3,126.37	6,773.81	81,285.77
		STEP H	40.0448	3,203.58	6,941.09	83,293.18
		STEP I	41.0338	3,282.70	7,112.52	85,350.30
		STEP J	42.0471	3,363.76	7,288.16	87,457.96
		STEP K	43.0855	3,446.84	7,468.15	89,617.84
		STEP L	44.1496	3,531.96	7,652.59	91,831.16
		STEP M	45.2399	3,619.19	7,841.58	94,098.99

CITY OF ROSEVILLE

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Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B818	REFUSE UTILITY MANAGER					
		STEP A	50.8512	4,068.09	8,814.20	105,770.49
		STEP B	52.1063	4,168.50	9,031.75	108,381.10
		STEP C	53.3931	4,271.44	9,254.80	111,057.64
		STEP D	54.7117	4,376.93	9,483.36	113,800.33
		STEP E	56.0629	4,485.03	9,717.56	116,610.83
		STEP F	57.4474	4,595.79	9,957.54	119,490.59
		STEP G	58.8662	4,709.29	10,203.47	122,441.69
		STEP H	60.3199	4,825.59	10,455.44	125,465.39
		STEP I	61.8096	4,944.76	10,713.66	128,563.96
		STEP J	63.3360	5,066.88	10,978.24	131,738.88
		STEP K	64.9002	5,192.01	11,249.36	134,992.41
		STEP L	66.5029	5,320.23	11,527.16	138,326.03
		STEP M	68.1453	5,451.62	11,811.85	141,742.22
B819	RISK MANAGER					
		STEP A	44.2702	3,541.61	7,673.50	92,082.01
		STEP B	45.3630	3,629.04	7,862.92	94,355.04
		STEP C	46.4833	3,718.66	8,057.10	96,685.26
		STEP D	47.6312	3,810.49	8,256.07	99,072.89
		STEP E	48.8075	3,904.60	8,459.96	101,519.60
		STEP F	50.0129	4,001.03	8,668.90	104,026.83
		STEP G	51.2480	4,099.84	8,882.98	106,595.84
		STEP H	52.5136	4,201.08	9,102.35	109,228.28
		STEP I	53.8105	4,304.84	9,327.15	111,925.84
		STEP J	55.1394	4,411.15	9,557.49	114,689.95
		STEP K	56.5011	4,520.08	9,793.52	117,522.28
		STEP L	57.8965	4,631.72	10,035.39	120,424.72
		STEP M	59.3263	4,746.10	10,283.22	123,398.70
B820	SAFETY COORDINATOR					
		STEP A	36.5871	2,926.96	6,341.76	76,101.16
		STEP B	37.4902	2,999.21	6,498.30	77,979.61
		STEP C	38.4160	3,073.28	6,658.77	79,905.28
		STEP D	39.3647	3,149.17	6,823.21	81,878.57
		STEP E	40.3369	3,226.95	6,991.72	83,900.75
		STEP F	41.3331	3,306.64	7,164.40	85,972.84
		STEP G	42.3538	3,388.30	7,341.32	88,095.90
		STEP H	43.3998	3,471.98	7,522.63	90,271.58
		STEP I	44.4716	3,557.72	7,708.41	92,500.92
		STEP J	45.5699	3,645.59	7,898.78	94,785.39
		STEP K	46.6952	3,735.61	8,093.83	97,126.01
		STEP L	47.8484	3,827.87	8,293.72	99,524.67
		STEP M	49.0301	3,922.40	8,498.55	101,982.60

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Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B821	SR BUSINESS SYSTEMS ANALYST					
		STEP A	34.7663	2,781.30	6,026.15	72,313.90
		STEP B	35.6244	2,849.95	6,174.89	74,098.75
		STEP C	36.5042	2,920.33	6,327.39	75,928.73
		STEP D	37.4057	2,992.45	6,483.65	77,803.85
		STEP E	38.3294	3,066.35	6,643.76	79,725.15
		STEP F	39.2760	3,142.08	6,807.84	81,694.08
		STEP G	40.2460	3,219.68	6,975.97	83,711.68
		STEP H	41.2399	3,299.19	7,148.24	85,778.99
		STEP I	42.2584	3,380.67	7,324.78	87,897.47
		STEP J	43.3020	3,464.16	7,505.68	90,068.16
		STEP K	44.3713	3,549.70	7,691.02	92,292.30
		STEP L	45.4671	3,637.36	7,880.96	94,571.56
		STEP M	46.5900	3,727.20	8,075.60	96,907.20
B822	SR DATABASE ANALYST					
		STEP A	35.3507	2,828.05	6,127.45	73,529.45
		STEP B	36.2237	2,897.89	6,278.77	75,345.29
		STEP C	37.1183	2,969.46	6,433.83	77,206.06
		STEP D	38.0350	3,042.80	6,592.73	79,112.80
		STEP E	38.9743	3,117.94	6,755.54	81,066.54
		STEP F	39.9368	3,194.94	6,922.37	83,068.54
		STEP G	40.9231	3,273.84	7,093.33	85,120.04
		STEP H	41.9337	3,354.69	7,268.50	87,222.09
		STEP I	42.9693	3,437.54	7,448.01	89,376.14
		STEP J	44.0305	3,522.44	7,631.95	91,583.44
		STEP K	45.1179	3,609.43	7,820.43	93,845.23
		STEP L	46.2321	3,698.56	8,013.56	96,162.76
		STEP M	47.3738	3,789.90	8,211.45	98,537.50
B823	SR DEPUTY CITY ATTORNEY					
		STEP A	59.7687	4,781.49	10,359.90	124,318.89
		STEP B	61.2441	4,899.52	10,615.64	127,387.72
		STEP C	62.7566	5,020.52	10,877.81	130,533.72
		STEP D	64.3064	5,144.51	11,146.44	133,757.31
		STEP E	65.8945	5,271.56	11,421.71	137,060.56
		STEP F	67.5219	5,401.75	11,703.79	140,445.55
		STEP G	69.1894	5,535.15	11,992.82	143,913.95
		STEP H	70.8981	5,671.84	12,289.00	147,468.04
		STEP I	72.6490	5,811.92	12,592.49	151,109.92
		STEP J	74.4431	5,955.44	12,903.47	154,841.64
		STEP K	76.2816	6,102.52	13,222.14	158,665.72
		STEP L	78.1654	6,253.23	13,548.66	162,584.03
		STEP M	80.0958	6,407.66	13,883.27	166,599.26

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MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B824	SR ELECTRIC BUSINESS ANALYST					
		STEP A	47.5668	3,805.34	8,244.91	98,938.94
		STEP B	48.7411	3,899.28	8,448.45	101,381.48
		STEP C	49.9448	3,995.58	8,657.09	103,885.18
		STEP D	51.1782	4,094.25	8,870.88	106,450.65
		STEP E	52.4421	4,195.36	9,089.96	109,079.56
		STEP F	53.7372	4,298.97	9,314.44	111,773.37
		STEP G	55.0643	4,405.14	9,544.47	114,533.74
		STEP H	56.4242	4,513.93	9,780.19	117,362.33
		STEP I	57.8177	4,625.41	10,021.73	120,260.81
		STEP J	59.2455	4,739.64	10,269.22	123,230.64
		STEP K	60.7087	4,856.69	10,522.84	126,274.09
		STEP L	62.2079	4,976.63	10,782.70	129,392.43
		STEP M	63.7442	5,099.53	11,048.99	132,587.93
B825	SR ENERGY SERVICES ACCOUNT REP					
		STEP A	47.6233	3,809.86	8,254.70	99,056.46
		STEP B	48.7987	3,903.89	8,458.44	101,501.29
		STEP C	50.0039	4,000.31	8,667.34	104,008.11
		STEP D	51.2388	4,099.10	8,881.39	106,576.70
		STEP E	52.5042	4,200.33	9,100.72	109,208.73
		STEP F	53.8008	4,304.06	9,325.47	111,905.66
		STEP G	55.1295	4,410.36	9,555.78	114,669.36
		STEP H	56.4909	4,519.27	9,791.75	117,501.07
		STEP I	57.8860	4,630.88	10,033.57	120,402.88
		STEP J	59.3156	4,745.24	10,281.37	123,376.44
		STEP K	60.7805	4,862.44	10,535.28	126,423.44
		STEP L	62.2815	4,982.52	10,795.46	129,545.52
		STEP M	63.8196	5,105.56	11,062.06	132,744.76
B826	SR ENGINEER					
		STEP A	42.7247	3,417.97	7,405.61	88,867.37
		STEP B	43.7794	3,502.35	7,588.42	91,061.15
		STEP C	44.8605	3,588.84	7,775.82	93,309.84
		STEP D	45.9684	3,677.47	7,967.85	95,614.27
		STEP E	47.1037	3,768.29	8,164.64	97,975.69
		STEP F	48.2669	3,861.35	8,366.26	100,395.15
		STEP G	49.4589	3,956.71	8,572.87	102,874.51
		STEP H	50.6804	4,054.43	8,784.60	105,415.23
		STEP I	51.9320	4,154.56	9,001.54	108,018.56
		STEP J	53.2145	4,257.16	9,223.84	110,686.16
		STEP K	54.5287	4,362.29	9,451.64	113,419.69
		STEP L	55.8753	4,470.02	9,685.05	116,220.62
		STEP M	57.2552	4,580.41	9,924.23	119,090.81

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SALARY SCHEDULE - B

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MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B827	SR HUMAN RESOURCES ANALYST					
		STEP A	38.4165	3,073.32	6,658.86	79,906.32
		STEP B	39.3646	3,149.16	6,823.19	81,878.36
		STEP C	40.3367	3,226.93	6,991.69	83,900.33
		STEP D	41.3329	3,306.63	7,164.36	85,972.43
		STEP E	42.3537	3,388.29	7,341.30	88,095.69
		STEP F	43.3996	3,471.96	7,522.59	90,271.16
		STEP G	44.4714	3,557.71	7,708.37	92,500.51
		STEP H	45.5697	3,645.57	7,898.74	94,784.97
		STEP I	46.6951	3,735.60	8,093.81	97,125.80
		STEP J	47.8483	3,827.86	8,293.70	99,524.46
		STEP K	49.0299	3,922.39	8,498.51	101,982.19
		STEP L	50.2408	4,019.26	8,708.40	104,500.86
		STEP M	51.4815	4,118.52	8,923.46	107,081.52
B828	SR IT ANALYST					
		STEP A	34.8115	2,784.92	6,033.99	72,407.92
		STEP B	35.6707	2,853.65	6,182.92	74,195.05
		STEP C	36.5516	2,924.12	6,335.61	76,027.32
		STEP D	37.4543	2,996.34	6,492.07	77,904.94
		STEP E	38.3793	3,070.34	6,652.41	79,828.94
		STEP F	39.3271	3,146.16	6,816.69	81,800.36
		STEP G	40.2983	3,223.86	6,985.03	83,820.46
		STEP H	41.2935	3,303.48	7,157.54	85,890.48
		STEP I	42.3133	3,385.06	7,334.30	88,011.66
		STEP J	43.3583	3,468.66	7,515.43	90,185.26
		STEP K	44.4291	3,554.32	7,701.04	92,412.52
		STEP L	45.5263	3,642.10	7,891.22	94,694.70
		STEP M	46.6506	3,732.04	8,086.10	97,033.24
B829	SR PLANNER					
		STEP A	40.3307	3,226.45	6,990.65	83,887.85
		STEP B	41.3263	3,306.10	7,163.22	85,958.70
		STEP C	42.3469	3,387.75	7,340.12	88,081.55
		STEP D	43.3927	3,471.41	7,521.40	90,256.81
		STEP E	44.4643	3,557.14	7,707.14	92,485.74
		STEP F	45.5624	3,644.99	7,897.48	94,769.79
		STEP G	46.6876	3,735.00	8,092.51	97,110.20
		STEP H	47.8406	3,827.24	8,292.37	99,508.44
		STEP I	49.0220	3,921.76	8,497.14	101,965.76
		STEP J	50.2327	4,018.61	8,707.00	104,484.01
		STEP K	51.4732	4,117.85	8,922.02	107,064.25
		STEP L	52.7444	4,219.55	9,142.36	109,708.35
		STEP M	54.0470	4,323.76	9,368.14	112,417.76

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
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MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B830	SR POWER ENGINEER					
		STEP A	59.8134	4,785.07	10,367.65	124,411.87
		STEP B	61.2900	4,903.20	10,623.60	127,483.20
		STEP C	62.8036	5,024.28	10,885.95	130,631.48
		STEP D	64.3546	5,148.36	11,154.79	133,857.56
		STEP E	65.9439	5,275.51	11,430.27	137,163.31
		STEP F	67.5725	5,405.80	11,712.56	140,550.80
		STEP G	69.2412	5,539.29	12,001.80	144,021.69
		STEP H	70.9512	5,676.09	12,298.20	147,578.49
		STEP I	72.7034	5,816.27	12,601.92	151,223.07
		STEP J	74.4989	5,959.91	12,913.14	154,957.71
		STEP K	76.3387	6,107.09	13,232.04	158,784.49
		STEP L	78.2240	6,257.92	13,558.82	162,705.92
		STEP M	80.1558	6,412.46	13,893.67	166,724.06
B831	SR POWER PLANT ENGINEER					
		STEP A	59.8134	4,785.07	10,367.65	124,411.87
		STEP B	61.2900	4,903.20	10,623.60	127,483.20
		STEP C	62.8036	5,024.28	10,885.95	130,631.48
		STEP D	64.3546	5,148.36	11,154.79	133,857.56
		STEP E	65.9439	5,275.51	11,430.27	137,163.31
		STEP F	67.5725	5,405.80	11,712.56	140,550.80
		STEP G	69.2412	5,539.29	12,001.80	144,021.69
		STEP H	70.9512	5,676.09	12,298.20	147,578.49
		STEP I	72.7034	5,816.27	12,601.92	151,223.07
		STEP J	74.4989	5,959.91	12,913.14	154,957.71
		STEP K	76.3387	6,107.09	13,232.04	158,784.49
		STEP L	78.2240	6,257.92	13,558.82	162,705.92
		STEP M	80.1558	6,412.46	13,893.67	166,724.06
B833	STREET MAINT SUPERINTENDENT					
		STEP A	42.7162	3,417.29	7,404.14	88,849.69
		STEP B	43.7704	3,501.63	7,586.86	91,042.43
		STEP C	44.8514	3,588.11	7,774.24	93,290.91
		STEP D	45.9590	3,676.72	7,966.22	95,594.72
		STEP E	47.0940	3,767.52	8,162.96	97,955.52
		STEP F	48.2571	3,860.56	8,364.56	100,374.76
		STEP G	49.4488	3,955.90	8,571.12	102,853.50
		STEP H	50.6700	4,053.60	8,782.80	105,393.60
		STEP I	51.9214	4,153.71	8,999.70	107,996.51
		STEP J	53.2036	4,256.28	9,221.95	110,663.48
		STEP K	54.5175	4,361.40	9,449.70	113,396.40
		STEP L	55.8639	4,469.11	9,683.07	116,196.91
		STEP M	57.2435	4,579.48	9,922.20	119,066.48

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SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B832	STREET MAINT SUPERVISOR					
		STEP A	32.5213	2,601.70	5,637.02	67,644.30
		STEP B	33.3240	2,665.92	5,776.16	69,313.92
		STEP C	34.1470	2,731.76	5,918.81	71,025.76
		STEP D	34.9903	2,799.22	6,064.98	72,779.82
		STEP E	35.8544	2,868.35	6,214.76	74,577.15
		STEP F	36.7399	2,939.19	6,368.24	76,418.99
		STEP G	37.6472	3,011.77	6,525.51	78,306.17
		STEP H	38.5770	3,086.16	6,686.68	80,240.16
		STEP I	39.5297	3,162.37	6,851.81	82,221.77
		STEP J	40.5059	3,240.47	7,021.02	84,252.27
		STEP K	41.5062	3,320.49	7,194.40	86,332.89
		STEP L	42.5312	3,402.49	7,372.07	88,464.89
		STEP M	43.5816	3,486.52	7,554.14	90,649.72
B834	URBAN FORESTER					
		STEP A	34.8445	2,787.56	6,039.71	72,476.56
		STEP B	35.7046	2,856.36	6,188.79	74,265.56
		STEP C	36.5863	2,926.90	6,341.62	76,099.50
		STEP D	37.4899	2,999.19	6,498.24	77,978.99
		STEP E	38.4157	3,073.25	6,658.72	79,904.65
		STEP F	39.3644	3,149.15	6,823.16	81,877.95
		STEP G	40.3366	3,226.92	6,991.67	83,900.12
		STEP H	41.3327	3,306.61	7,164.33	85,972.01
		STEP I	42.3535	3,388.28	7,341.27	88,095.28
		STEP J	43.3995	3,471.96	7,522.58	90,270.96
		STEP K	44.4713	3,557.70	7,708.35	92,500.30
		STEP L	45.5695	3,645.56	7,898.71	94,784.56
		STEP M	46.6949	3,735.59	8,093.78	97,125.39
B835	WATER CONSERVATION ADMINSTR					
		STEP A	38.4381	3,075.04	6,662.60	79,951.24
		STEP B	39.3871	3,150.96	6,827.09	81,925.16
		STEP C	40.3598	3,228.78	6,995.69	83,948.38
		STEP D	41.3565	3,308.52	7,168.46	86,021.52
		STEP E	42.3778	3,390.22	7,345.48	88,145.82
		STEP F	43.4244	3,473.95	7,526.89	90,322.75
		STEP G	44.4968	3,559.74	7,712.77	92,553.34
		STEP H	45.5957	3,647.65	7,903.25	94,839.05
		STEP I	46.7217	3,737.73	8,098.42	97,181.13
		STEP J	47.8756	3,830.04	8,298.43	99,581.24
		STEP K	49.0579	3,924.63	8,503.36	102,040.43
		STEP L	50.2694	4,021.55	8,713.36	104,560.35
		STEP M	51.5109	4,120.87	8,928.55	107,142.67

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B836	WATER DISTRIBUTION SUPERVISOR					
		STEP A	34.8445	2,787.56	6,039.71	72,476.56
		STEP B	35.7046	2,856.36	6,188.79	74,265.56
		STEP C	36.5863	2,926.90	6,341.62	76,099.50
		STEP D	37.4899	2,999.19	6,498.24	77,978.99
		STEP E	38.4157	3,073.25	6,658.72	79,904.65
		STEP F	39.3644	3,149.15	6,823.16	81,877.95
		STEP G	40.3366	3,226.92	6,991.67	83,900.12
		STEP H	41.3327	3,306.61	7,164.33	85,972.01
		STEP I	42.3535	3,388.28	7,341.27	88,095.28
		STEP J	43.3995	3,471.96	7,522.58	90,270.96
		STEP K	44.4713	3,557.70	7,708.35	92,500.30
		STEP L	45.5695	3,645.56	7,898.71	94,784.56
		STEP M	46.6949	3,735.59	8,093.78	97,125.39
B850	WATER DISTRIBUTION SUPT					
		STEP A	42.0794	3,366.35	7,293.76	87,525.15
		STEP B	43.7636	3,501.08	7,585.69	91,028.28
		STEP C	44.8444	3,587.55	7,773.02	93,276.35
		STEP D	45.9519	3,676.15	7,965.00	95,579.95
		STEP E	47.0867	3,766.93	8,161.69	97,940.33
		STEP F	48.2495	3,859.96	8,363.24	100,358.96
		STEP G	49.4411	3,955.28	8,569.79	102,837.48
		STEP H	50.6621	4,052.96	8,781.43	105,377.16
		STEP I	51.9133	4,153.06	8,998.30	107,979.66
		STEP J	53.1953	4,255.62	9,220.51	110,646.22
		STEP K	54.5090	4,360.72	9,448.22	113,378.72
		STEP L	55.8552	4,468.41	9,681.56	116,178.81
		STEP M	57.2346	4,578.76	9,920.66	119,047.96
B837	WATER QUALITY LAB SUPERVISOR					
		STEP A	36.5854	2,926.83	6,341.46	76,097.63
		STEP B	37.4883	2,999.06	6,497.97	77,975.66
		STEP C	38.4141	3,073.12	6,658.44	79,901.32
		STEP D	39.3628	3,149.02	6,822.88	81,874.62
		STEP E	40.3349	3,226.79	6,991.38	83,896.59
		STEP F	41.3310	3,306.48	7,164.04	85,968.48
		STEP G	42.3517	3,388.13	7,340.96	88,091.53
		STEP H	43.3977	3,471.81	7,522.26	90,267.21
		STEP I	44.4694	3,557.55	7,708.02	92,496.35
		STEP J	45.5676	3,645.40	7,898.38	94,780.60
		STEP K	46.6930	3,735.44	8,093.45	97,121.44
		STEP L	47.8461	3,827.68	8,293.32	99,519.88
		STEP M	49.0277	3,922.21	8,498.13	101,977.61

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B838	WATER TRMT PLT CHIEF OPERATOR					
		STEP A	41.8116	3,344.92	7,247.34	86,968.12
		STEP B	42.8437	3,427.49	7,426.24	89,114.89
		STEP C	43.9018	3,512.14	7,609.64	91,315.74
		STEP D	44.9859	3,598.87	7,797.55	93,570.67
		STEP E	46.0969	3,687.75	7,990.12	95,881.55
		STEP F	47.2353	3,778.82	8,187.45	98,249.42
		STEP G	48.4019	3,872.15	8,389.66	100,675.95
		STEP H	49.5972	3,967.77	8,596.84	103,162.17
		STEP I	50.8220	4,065.76	8,809.14	105,709.76
		STEP J	52.0771	4,166.16	9,026.69	108,320.36
		STEP K	53.3632	4,269.05	9,249.62	110,995.45
		STEP L	54.6811	4,374.48	9,478.05	113,736.68
		STEP M	56.0315	4,482.52	9,712.12	116,545.52
B839	WATER UTILITY MANAGER					
		STEP A	56.5013	4,520.10	9,793.55	117,522.70
		STEP B	57.8958	4,631.66	10,035.27	120,423.26
		STEP C	59.3256	4,746.04	10,283.10	123,397.24
		STEP D	60.7907	4,863.25	10,537.05	126,444.65
		STEP E	62.2920	4,983.36	10,797.28	129,567.36
		STEP F	63.8304	5,106.43	11,063.93	132,767.23
		STEP G	65.4068	5,232.54	11,337.17	136,046.14
		STEP H	67.0220	5,361.76	11,617.14	139,405.76
		STEP I	68.6772	5,494.17	11,904.04	142,848.57
		STEP J	70.3733	5,629.86	12,198.03	146,376.46
		STEP K	72.1112	5,768.89	12,499.27	149,991.29
		STEP L	73.8921	5,911.36	12,807.96	153,695.56
		STEP M	75.7169	6,057.35	13,124.26	157,491.15
B840	WSTWTR COLLECTION SUPT					
		STEP A	42.7094	3,416.75	7,402.96	88,835.55
		STEP B	43.7636	3,501.08	7,585.69	91,028.28
		STEP C	44.8444	3,587.55	7,773.02	93,276.35
		STEP D	45.9519	3,676.15	7,965.00	95,579.95
		STEP E	47.0867	3,766.93	8,161.69	97,940.33
		STEP F	48.2496	3,859.96	8,363.26	100,359.16
		STEP G	49.4411	3,955.28	8,569.79	102,837.48
		STEP H	50.6621	4,052.96	8,781.43	105,377.16
		STEP I	51.9133	4,153.06	8,998.30	107,979.66
		STEP J	53.1953	4,255.62	9,220.51	110,646.22
		STEP K	54.5090	4,360.72	9,448.22	113,378.72
		STEP L	55.8552	4,468.41	9,681.56	116,178.81
		STEP M	57.2346	4,578.76	9,920.66	119,047.96

CITY OF ROSEVILLE

SALARY SCHEDULE - B

Appendix: C
Percentage:1.000

Effective Date: 05/14/2016

MGTB MANAGEMENT-B

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
B841	WSTWTR COLLECTION SUPV					
		STEP A	34.8446	2,787.56	6,039.73	72,476.76
		STEP B	35.7046	2,856.36	6,188.79	74,265.56
		STEP C	36.5863	2,926.90	6,341.62	76,099.50
		STEP D	37.4899	2,999.19	6,498.24	77,978.99
		STEP E	38.4157	3,073.25	6,658.72	79,904.65
		STEP F	39.3644	3,149.15	6,823.16	81,877.95
		STEP G	40.3366	3,226.92	6,991.67	83,900.12
		STEP H	41.3327	3,306.61	7,164.33	85,972.01
		STEP I	42.3535	3,388.28	7,341.27	88,095.28
		STEP J	43.3995	3,471.96	7,522.58	90,270.96
		STEP K	44.4713	3,557.70	7,708.35	92,500.30
		STEP L	45.5695	3,645.56	7,898.71	94,784.56
		STEP M	46.6949	3,735.59	8,093.78	97,125.39
B842	WSTWTR TRMT PLT CHIEF OPERATOR					
		STEP A	45.9993	3,679.94	7,973.21	95,678.54
		STEP B	47.1280	3,770.24	8,168.85	98,026.24
		STEP C	48.2919	3,863.35	8,370.59	100,447.15
		STEP D	49.4845	3,958.76	8,577.31	102,927.76
		STEP E	50.7066	4,056.52	8,789.14	105,469.72
		STEP F	51.9588	4,156.70	9,006.19	108,074.30
		STEP G	53.2420	4,259.36	9,228.61	110,743.36
		STEP H	54.5569	4,364.55	9,456.52	113,478.35
		STEP I	55.9042	4,472.33	9,690.06	116,280.73
		STEP J	57.2848	4,582.78	9,929.36	119,152.38
		STEP K	58.6995	4,695.96	10,174.58	122,094.96
		STEP L	60.1492	4,811.93	10,425.86	125,110.33
		STEP M	61.6346	4,930.76	10,683.33	128,199.96
B843	WSTWTR UTILITY MANAGER					
		STEP A	56.5013	4,520.10	9,793.55	117,522.70
		STEP B	57.8958	4,631.66	10,035.27	120,423.26
		STEP C	59.3256	4,746.04	10,283.10	123,397.24
		STEP D	60.7907	4,863.25	10,537.05	126,444.65
		STEP E	62.2920	4,983.36	10,797.28	129,567.36
		STEP F	63.8304	5,106.43	11,063.93	132,767.23
		STEP G	65.4068	5,232.54	11,337.17	136,046.14
		STEP H	67.0220	5,361.76	11,617.14	139,405.76
		STEP I	68.6772	5,494.17	11,904.04	142,848.57
		STEP J	70.3733	5,629.86	12,198.03	146,376.46
		STEP K	72.1112	5,768.89	12,499.27	149,991.29
		STEP L	73.8921	5,911.36	12,807.96	153,695.56
		STEP M	75.7169	6,057.35	13,124.26	157,491.15

Appendix: C

Percentage:1.000

Percentage:1.000

Job Code	Title	Step	Hourly	Bi-weekly	Monthly	Annual
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COUNCIL COMMUNICATION

CC #: 7653

File #: 0400-04-12-1

Title: Second Reading of Ordinance - Westbrook Phases 2 & 3 - Westbrook Development Agreement Amendment, Westpark Development Agreement Amendment, and Rezone

Contact: Lauren Hocker 916-774-5272 lhocker@roseville.ca.us

Meeting Date: 5/4/2016

Item #: 7.27.

RECOMMENDATION TO COUNCIL

ORDINANCE NO. 5680 OF THE COUNCIL OF THE CITY OF ROSEVILLE ADOPTING THE SEVENTH AMENDMENT OF THE DEVELOPMENT AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND WEST ROSEVILLE, LLC, AS ASSIGNEE OF PL ROSEVILLE, LP RELATIVE TO THE WEST ROSEVILLE SPECIFIC PLAN AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE; and ORDINANCE NO. 5681 OF THE COUNCIL OF THE CITY OF ROSEVILLE ADOPTING THE FIRST AMENDMENT OF DEVELOPMENT AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND WESTPARK S.V. 400, LLC, RELATIVE TO THE SIERRA VISTA SPECIFIC PLAN AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE; and ORDINANCE NO. 5682 OF THE COUNCIL OF THE CITY OF ROSEVILLE REZONING CERTAIN REAL PROPERTY LOCATED IN THE WESTBROOK PHASE 2 AND PHASE 3 PORTIONS OF THE SIERRA VISTA SPECIFIC PLAN. for second reading and adoption.

BACKGROUND

N/A

FISCAL IMPACT

N/A

ECONOMIC DEVELOPMENT / JOBS CREATED

N/A

ENVIRONMENTAL REVIEW

N/A

Respectfully Submitted,

Lauren Hocker, Associate Planner

Kevin Payne, Development Services Director



Rob Jensen, City Manager

ATTACHMENTS:

Description

Ordinance No. 5680

7th Development Agreement Amendment

Ordinance No. 5681

1st Development Agreement Amendment

Ordinance No. 5682

Rezone Exhibit H

ORDINANCE NO. 5680

ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE ADOPTING THE
SEVENTH AMENDMENT OF THE DEVELOPMENT AGREEMENT
BY AND BETWEEN THE CITY OF ROSEVILLE AND WEST ROSEVILLE, LLC, AS
ASSIGNEE OF PL ROSEVILLE, LP RELATIVE TO THE WEST ROSEVILLE 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 amend the Development Agreement By and Between the City of Roseville and West Roseville, LLC, as Assignee of PL Roseville, LP (“Developer”) Relative to the West Roseville Specific Plan.

SECTION 2. The Council of the City of Roseville has reviewed the findings of the Planning Commission recommending approval of the 7th Amendment to the Development Agreement, and makes the following findings:

1. The 7th Amendment to the Development Agreement is consistent with the objectives, policies, general land uses and programs specified in the City of Roseville General Plan and the West Roseville Specific Plan;
2. The 7th Amendment to the Development Agreement is consistent with the City of Roseville Zoning Ordinance and Zoning Map;
3. The 7th Amendment to the Development Agreement is in conformance with the public health, safety and welfare;
4. The 7th Amendment to the Development Agreement will not adversely affect the orderly development of the property or the preservation of property values; and
5. The 7th Amendment to the Development Agreement will provide sufficient benefit to the City to justify entering into said Agreement;

SECTION 3. The 7th Amendment to the Development Agreement by and between Developer and the City of Roseville, 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 4. The City Clerk is directed to record the executed 7th Amendment to the Development Agreement 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 5. This ordinance shall be effective at the expiration of thirty (30) days from the date of its adoption.

SECTION 6. 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

**SEVENTH AMENDMENT OF DEVELOPMENT AGREEMENT
BY AND BETWEEN
THE CITY OF ROSEVILLE AND WEST ROSEVILLE, LLC, AS ASSIGNEE OF
PL ROSEVILLE, LP RELATIVE TO THE WEST ROSEVILLE SPECIFIC PLAN**

This Seventh Amendment of Development Agreement is entered into this ____ day of _____, 2016, by and between the CITY OF ROSEVILLE, a municipal corporation (“City”) and WEST ROSEVILLE, LLC, a California limited liability company (“Developer”), pursuant to Sections 65864 through 65869.5 of the Government Code of California.

RECITALS

A. Developer’s first predecessor in interest, 1600 Placer Investors, LP (“1600 Placer”) and City entered into a Development Agreement (the “Development Agreement”) which was approved by the City Council of City on February 23, 2004, and recorded on May 28, 2004, in the Official Records of Placer County as Document No. 2004-0069488, which Development Agreement 1600 Placer assigned to PL Roseville, LP (“PL Roseville”) pursuant to that certain Assignment and Assumption Agreement of Development Agreement Relative to the West Roseville Specific Plan dated as of March 21, 2005, and recorded March 21, 2005, as Document No. 2005-0032912 in the Official Records of Placer County, California. Except as otherwise defined herein, all capitalized terms used herein shall have the meanings ascribed thereto in the Development Agreement.

B. City and 1600 Placer entered into the Development Agreement relative to development within a portion of the West Roseville Specific Plan Area (“Specific Plan”, “WRSP” or “Plan Area”), as such is more precisely defined in Exhibits “A” and “B” of the Development Agreement (the “Property”).

C. Certain terms of settlement agreements arising out of two lawsuits regarding the WRSP (Catalano v. Roseville and Defenders of Wildlife v. Norton) imposed additional conditions on the WRSP that require implementation through amendment of the Development Agreement.

D. On April 17, 2006, City and PL Roseville entered into the First Amendment to the Development Agreement, which amendment was recorded in the Official Records of Placer County, California on April 20, 2006, as Document No. 2006-0042921.

E. On March 18, 2009, City and PL Roseville entered into the Second Amendment to the Development Agreement, which amendment was recorded in the Official Records of Placer County, California on May 5, 2009, as Document No. 2009-0037209.

F. On January 5, 2011, City and Developer entered into the Third Amendment to the Development Agreement, which amendment was recorded in the Official Records of Placer County on April 5, 2012, as Document No. 2012-0030092.

G. On July 17, 2013, City, Developer and KB Home Sacramento, Inc., and Meritage Homes of California, Inc., Developer's assignees on a portion of Phase 3 of the Property, entered into the Fourth Amendment to the Development Agreement, which amendment was recorded in the Official Records of Placer County on August 20, 2013, as Document No. 2013-0082173-00.

H. On August 7, 2013, City and Developer entered into the Fifth Amendment to the Development Agreement, which amendment was recorded in the Official Records of Placer County on August 20, 2013, as Document No. 2013-0082447-00.

I. On December 17, 2014, City and KB Home Sacramento, Inc., Developer's assignee on a portion of Phase 3 of the Property, entered into the Sixth Amendment to the Development Agreement, which amendment was recorded in the Official Records of Placer County on December 22, 2014, as Document No. 2014-0091940-00.

J. This Seventh Amendment to the Development Agreement (the "Seventh Amendment") affects certain portions of the Property (the "Seventh Amendment Property"), as described in Exhibit "A" and Exhibit "B" attached to this Seventh Amendment, and shall run with the land described in Exhibits "A" and "B" hereto.

K. The Seventh Amendment is authorized by Section 1.4 of the Development Agreement.

NOW THEREFORE, THE PARTIES MUTUALLY AGREE AS FOLLOWS:

1. AMENDMENT OF DEVELOPMENT AGREEMENT. The following sections and exhibits of the Development Agreement are hereby amended as follows:

a. REVISED SECTION 2.6. Section 2.6 is revised in its entirety to read as follows:

"2.6 Affordable Housing. Consistent with the goals and policies contained in City's General Plan and the Specific Plan, and subject to the provision by Developer of affordable housing elsewhere within the Specific Plan as described below and the other terms of this Agreement, Developer shall develop or cause ten percent (10%) of the total residential units which are actually constructed within its Property to be developed as affordable housing. In accordance with the terms of this Section and subject to adjustment based on actual development, Developer shall, after the transfer of its obligation for 162 affordable rental units in Parcel W-16 to Parcels WB-30 and WB-32 in the Sierra Vista Specific Plan, provide 300 units affordable to very low and low income households. The breakdown of percentage of the total number of affordable units to the different

income levels shall be roughly 55% for very low and roughly 45% for low income households. Any adjustment based on actual development shall be subject to the approval of the Director of the City's Housing Division.

The term "very low income" means households earning 50% or less of median income, and "low income" means households earning 51% to 80% of median income. Median income and allowable assets shall be determined in accordance with the General Plan Housing Element, the Specific Plan, and City policy.

Locations of affordable housing sites are shown in the Specific Plan and **Exhibit "D"**. Such locations may be modified pursuant to Section 2.6.1.4 of this Agreement.

- b. REVISED SECTION 2.6.2.1. Section 2.6.2.1 is revised in its entirety to read as follows:

"2.6.2.1 Affordable Obligation. Developer agrees that 300 affordable rental units will be reserved within the Property, including 164 units for rental to very low income households and 136 units for rental to low income households as follows:

Parcel	Total Units In Parcel	Total Affordable Unit Allocation¹	Very Low Income Rental Units	Low Income Rental Units
Parcel W-25 (senior)	232	150	75	75
Parcel W-16	250	0	0	0
Parcel W-27	170	150	89	61
Totals	652	300	164	136

¹. The 139 low-income affordable rental housing unit obligation and the 23 very low income affordable rental unit obligation allocated to Parcel W-16 have been transferred to Parcels WB-30 and WB-32 in the Sierra Vista Specific Plan as provided for in this Agreement and the Westbrook Development Agreement, as amended. "

- c. REVISED EXHIBIT. Exhibit "D" attached to the Development Agreement is proposed to be deleted and replaced by a new Exhibit "D" attached to this Seventh Amendment as follows:

Exhibit D – Affordable Housing Sites

2. CONSISTENCY WITH GENERAL PLAN. The City Council has found and determined that this Seventh Amendment of the Development Agreement is consistent with the General Plan and the West Roseville Specific Plan.

3. AMENDMENT. This Seventh Amendment amends, but does not replace or supersede, the Development Agreement, except as specified herein. As amended hereby, the Development Agreement remains in full force and effect.

4. FORM OF AMENDMENT. This Seventh 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, as 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 _____, 2016.

CITY OF ROSEVILLE,
a municipal corporation

WEST ROSEVILLE, LLC,
a California limited liability company

By: _____
Rob Jensen
City Manager

By:  _____
Its:  _____

ATTEST:

By: _____
Sonia Orozco
City Clerk

APPROVED AS TO FORM:

By: _____
Robert R. Schmitt
City Attorney

APPROVED AS TO SUBSTANCE:

By:  _____
Kevin Payne
Development Services Director

Exhibit D



 AFFORDABLE HOUSING SITES



ORDINANCE NO. 5681

ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE ADOPTING THE FIRST
AMENDMENT OF DEVELOPMENT AGREEMENT

BY AND BETWEEN THE CITY OF ROSEVILLE AND WESTPARK S.V. 400, LLC,
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 amend the Development Agreement By and Between the City of Roseville and Westpark S.V.400, LLC (“Westpark” or “Landowner”) Relative to the Sierra Vista Specific Plan.

SECTION 2. The Council of the City of Roseville has reviewed the findings of the Planning Commission recommending approval of the 1st Amendment to the Development Agreement, and makes the following findings:

1. The 1st Amendment to the Development Agreement 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;
2. The 1st Amendment to the Development Agreement is consistent with the City of Roseville Zoning Ordinance and Zoning Map;
3. The 1st Amendment to the Development Agreement is in conformance with the public health, safety and welfare;
4. The 1st Amendment to the Development Agreement will not adversely affect the orderly development of the property or the preservation of property values; and
5. The 1st Amendment to the Development Agreement will provide sufficient benefit to the City to justify entering into said Agreement;

SECTION 3. The 1st Amendment to the Development Agreement by and between Landowner and the City of Roseville, 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 4. The City Clerk is directed to record the executed 1st Amendment to the Development Agreement 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 5. This ordinance shall be effective at the expiration of thirty (30) days from the date of its adoption.

SECTION 6. 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

**FIRST AMENDMENT OF DEVELOPMENT AGREEMENT
BY AND BETWEEN THE CITY OF ROSEVILLE AND WESTPARK S.V. 400, LLC,
RELATIVE TO THE SIERRA VISTA SPECIFIC PLAN**

This First Amendment of Development Agreement is entered into this _____ day of _____, 2016, by and between the CITY OF ROSEVILLE, a municipal corporation (“City”), and WESTPARK S.V. 400, LLC, a California limited liability company (“Westpark” or “Landowner”), pursuant to the authority of Sections 65864 through 65869.5 of the California Government Code.

RECITALS

A. Landowner and City entered into a Development Agreement (the “Development Agreement”) which was approved by the City Council of City on June 20, 2012, and recorded on July 25, 2012, in the Official Records of Placer County as Document No. 2012-0066790-00. City and Landowner entered into the Development Agreement relative to development within a portion of the Sierra Vista Specific Plan (“Specific Plan”, “SVSP”, or “Plan Area”), as described in Exhibit “A” and shown in Exhibit “B” to the Development Agreement (the “Property”), and attached hereto for reference.

B. This First Amendment to the Development Agreement (the “First Amendment”) affects a portion of the Property and is authorized by Section 1.4 of the Development Agreement and Section 65868 of the California Government Code.

C. Concurrent with its consideration of this First Amendment, City is processing a General Plan Amendment (Resolution No. _____), a Specific Plan Amendment (Resolution No. _____), and a Rezone (Ordinance No. _____) for purposes of adjusting land uses and densities on a portion of the Property, while still maintaining the same overall number of residential units approved for the entire Property. City and Landowner enter into this First Amendment in order to provide consistency with and to vest these land use approvals.

NOW, THEREFORE, THE PARTIES MUTUALLY AGREE AS FOLLOWS:

1. **AMENDMENT OF DEVELOPMENT AGREEMENT.** The following sections and exhibits of the Development Agreement are hereby amended as follows:

a. **REVISED SECTION 2.2.** The summary table of Section 2.2 of the Development Agreement (“Vested Entitlements”) is revised as follows:

“Low Density Residential	483 units on 93.2 Net Acres;
Low Density Residential/Age Restricted	493 units on 91.6 Net Acres;
Medium Density Residential	433 units on 56.4 Net Acres;
High Density Residential	620 units on 24.1 Gross Acres;
Community Commercial	24.5 Gross Acres;
Community Commercial/Commercial	0 Gross Acres;

Mixed Use	
Park	14.6 Gross Acres;
Open Space	36.6 Gross Acres;
Schools	10.0 Gross Acres;
Water Treatment/Well Site	0.3 Gross Acres;
Lift Station	0.8 Gross Acres;
Right of Way/Landscape Corridors	45.3 Gross Acres.”

b. REVISED SECTION 2.2. Section 2.2 of the Development Agreement is amended to add a new paragraph at the end of the section to read as follows:

“Landowner acknowledges, consistent with City’s Age-Restricted Rezone Policy, that units designated age-restricted in the Specific Plan cannot be converted, constructed, or sold as non-age-restricted units unless a Specific Plan Amendment and an amendment to this Agreement are approved by City. Landowner further acknowledges that fees, infrastructure requirements, land uses, and design which were approved by City in furtherance or consideration of the units being age-restricted are subject to reconsideration and reevaluation by City in the event that the age-restricted units are proposed for conversion to non-age-restricted units.”

c. Section 2.6.1 of the Development Agreement is deleted in its entirety, with Landowner’s agreement, as set forth in Section 2.6.2 below, that the forty-one (41) middle income purchase unit obligation on Parcels WB-20 and WB-21 is being transferred from Parcels WB-20 and WB-21 to Parcels WB-30 and WB-32 as a rental unit obligation for forty-one (41) low income households.

d. REVISED SECTION 2.6.2. Section 2.6.2 of the Development Agreement is revised in its entirety to read as follows:

“2.6.2 Multi Family Affordable Rental Units. Landowner agrees that three hundred and sixty-five (365) affordable rental units, including one hundred and sixty-two (162) affordable rental units transferred from Parcel W-16 in the West Roseville Specific Plan, and forty-one (41) middle income purchase units transferred from Parcels WB-20 and WB-21, will be reserved within the Property, consisting of one hundred and four (104) units for rental to very low income households and two hundred and sixty-one (261) units for rental to low income households, as follows:

Parcel	Total Units in Parcel	Low Income Rental Units	Very Low Income Units
WB-30	237	169	68
WB-32	128	92	36
TOTAL	365	261	104

e. REVISED SECTION 3.10.2.1. Section 3.10.2.1 of the Development Agreement is revised in its entirety to read as follows:

“3.10.2.1 Detention Basin; Water Quality Outfall Swale. In the event that construction of the most westerly permanent detention basin within Phase 4 of the Westpark portion of the West Roseville Specific Plan has been completed, Phase E of the Project can proceed to develop utilizing excess capacity within that detention basin. In the event that the most westerly permanent detention basin within Phase 4 of the Westpark portion of the West Roseville Specific Plan has not been constructed at the time that Landowner seeks to proceed with development of Phase E of the Project, Landowner shall construct the on-site detention facility located on Parcel WB-80 in order for development of Phase E to proceed. Prior to the development of any property west of Westbrook Boulevard, Landowner shall construct the water quality swale flowing north of Pleasant Grove Boulevard into Parcel WB-80, as identified in the Master Drainage Plan, as amended, for the Project. The final design and land dedication requirements of the water quality facility shall include the hydromodification detention requirements as defined in the amended Master Drainage Plan, and shall be determined based upon the then current City Standards and applicable 404 permits. The construction of the drainage outfall and water quality facility shall include the relocation of the existing outfall structure, and all appropriate fencing, an asphalt utility access road on the east side of the drainage swale, a utility vehicle turnaround, and two (2) concrete utility access ramps to access the bottom of the swale. The construction of the drainage outfall and relocation of the existing outfall structure shall take place at the time when Pleasant Grove Boulevard is improved along the frontage of Parcel WB-3A. To the extent that the access road to the water quality facility has not already been constructed by the adjacent landowner in the West Roseville Specific Plan, Landowner shall construct such access road, to the bottom of the swale, per City Standards, subject to reimbursement from the adjacent landowner in the West Roseville Specific Plan. “

f. REVISED SECTION 3.11.3. Section 3.11.3 of the Development Agreement is revised in its entirety to read as follows:

“3.11.3 SVSP Electric Substation. Pursuant to development agreements in the SVSP, other landowners are required to dedicate to City, grade and provide access to a parcel in the SVSP (designated Parcel FD-61 in the Specific Plan) for an electric substation to serve the SVSP (the “Substation Site”). Under the development agreements between other SVSP landowners and City, such Substation Site must be provided to City prior to issuance of the 500th residential building permit, or combination of building permits, in the SVSP, excluding the Property.

Landowner is allowed 400 residential building permits within the Project (exclusive of the 500 residential building permits allocated to SVSP landowners), or any combination of residential and non-residential permits that the City determines, at its sole discretion, is the equivalent electric capacity of 400 residential building permits, until such time as the substation located in the SVSP is constructed and 12kV underground circuits are extended

to the Property. In the event that, at the time of issuance of the 400th residential building permit (or its equivalent) within the Project, the Substation Site has not been dedicated to the City, constructed, access road provided, and 12kV circuits extended to the Property, or has been dedicated to the City but less than two (2) years from dedication of the Substation Site to City have passed without completion of the substation, Landowner agrees that, in order to obtain an additional 640 residential building permits above the initial 400 residential building permits within the Project referenced in this Section 3.11.3, either the extension of temporary 12kV electrical circuit(s) from the Westplan Substation to serve the initial phase of Phase 4 of the Westpark portion of the West Roseville Specific Plan shall be completed by others, or Landowner may fund the construction of temporary 12kV facilities to serve the Project. Possible temporary facilities may include, but are not limited to, one of the following:

- a. Construction of a new 12kV overhead pole line extending what is commonly referred to as Westplan Substation Circuit 9 from the existing underground stub point on Blue Oaks Boulevard to the Project; or
- b. Construction of a new 12kV overhead circuit extending what is commonly referred to as Westplan Substation Circuit 9 from the existing underground stub point on Blue Oaks Boulevard to the Project underbuilt on the existing 60kV poles if clearances are available. This option would include the necessary URD conduit system to extend the conduits from the existing stub point to the existing 60kV poles; or
- c. Construction of a new 12kV overhead pole line extending what is commonly referred to as Westplan Substation Circuit 8 from the existing underground stub point along Blue Oaks Boulevard to the existing stub point on Westpark Drive. This would include any conduit extension necessary.

The temporary facilities will be used until such time as the Substation Site has been dedicated, constructed, and 12kV facilities extended to the Project from the Substation Site. The funding of the temporary facilities will include the materials and labor to construct the facilities, the removal of the temporary facilities, acquisition of any necessary easements, and mitigation of any wetlands.

Once either the substation has been completed and the 12kV circuits extended to the Property, or the Substation Site has been dedicated to City and two (2) years after such dedication have passed without completion of the substation, City agrees that there will not be any restrictions on issuance of building permits in the Project due to electric capacity, nor shall there be any requirement for temporary facilities such as those indicated in a., b., or c. above to be extended to the Project. In addition, in the event that the Substation Site has been constructed by City, but 12kV circuits have not been extended to the Project from the substation, Landowner shall be required to extend 12kV circuits from the substation to the Project, which may be overhead lines using the existing poles and PUE from the

Substation Site to the Project, until such time as the landowner(s) to the south of the Project install the underground 12kV lines to the southern Project boundary.”

g. REVISED SECTION 3.12.1. Section 3.12.1 of the Development Agreement is revised in its entirety to read as follows:

“3.12.1 Park and Open Space Dedications. Landowner shall dedicate to City a total of 14.6 acres of active neighborhood parkland, and 36.6 acres of open space. The following three parcels, and one open space parcel, shall be dedicated to City as described below and shown in Exhibit “V”:

1. An 8.7-acre, more or less, portion of the Property for the purpose of a public park, shown as Parcel WB-50;
2. A 4.4-acre, more or less, portion of the Property, for the purpose of a public park, shown as Parcel WB-51;
3. A 1.5-acre, more or less, portion of the Property, for the purpose of a public park, shown as Parcel WB-52; and
4. A 36.6-acre, more or less, portion of the Property, for the purposes, of drainage, flood control, bike trails, fuel modification (i.e., fire breaks), and preservation of wetland habitat and open space, shown as Parcel WB-80;

Landowner shall dedicate any park lands and open space Parcels within the Property provided that the Large Lot Final Map creating a separate parcel for the subject site has been recorded. City shall accept such dedication of any park lands and open space Parcels at the time when all infrastructure improvements (e.g., curb and gutter, roadway, utilities, utility stubs, bike trail grading, open space perimeter fencing, as may be required by the 404 Permit, etc.) adjacent to the parcels, i.e., frontage along the parcel, are substantially complete. Dedication of Preserve parcels shall be in accordance with Section 3.12.11.1 and the City’s Open Space Preserve Overarching Management Plan. In the event the Landowner uses any of the above mentioned parcels for temporary construction activity or staging (e.g., detention basins, rock crushing operations, dirt/debris stockpiling, etc.), the Landowner shall, prior to acceptance by City, restore the site to a like condition to what existed prior to such temporary construction or staging activity.”

h. REVISED SECTION 3.12.3. Section 3.12.3 of the Development Agreement is revised in its entirety to read as follows:

“3.12.3 Neighborhood Park Fee. In accordance with the park financing plan for the Property, Landowner shall pay a neighborhood park fee (the “Neighborhood Park Fee”), upon the issuance of each residential building permit within the Property, to fund neighborhood park construction. Such Neighborhood Park Fee shall be \$1,848 per Low Density Residential unit, \$1,307 per Low Density Residential-Active Adult unit, \$1,579 per Medium Density Residential unit, and \$1,309 per High Density Residential unit (but

excluding carriage units, which shall not pay neighborhood park fees), subject to annual adjustment, on July 1, based on the percentage change in the CCI (Construction Cost Index). All such Neighborhood Park Fees shall be deposited into the applicable neighborhood park fee fund.

The Neighborhood Park Fee, as calculated herein, is figured on 100% of the total dwelling units proposed to be entitled in the Property for construction of Neighborhood Parks within the Property. City may conduct an annual re-assessment of Park fees for the Property subject to this Agreement and adjust the fee upward if underutilization of entitled dwelling units for the Property subject to this Agreement exceeds 10%. In the event of a rezoning of any parcel(s) in the Property that creates a park funding shortfall, City shall require supplemental neighborhood and City-Wide park fees to fund such shortfall from the rezoned parcel(s).

At the end of development phases E, F and G (if Phase G precedes Phase F), City shall review development progress of Neighborhood Parks to determine if development is on target as it relates to collection of park fees by phase or sub-phase. City shall review the development phase with overall neighborhood park development and any impacts, particularly if subsequent phases will need to utilize funding previously collected for development. At the completion of all residential and neighborhood park development, and according to the park financing plan for the Project, if there are any remainder fees, City shall, within thirty (30) days of filing a notice of completion of the last neighborhood park for the Project, refund to Landowner a pro-rata share of any remainder fees.”

i. REVISED SECTION 3.12.4. Section 3.12.4 of the Development Agreement is revised in its entirety to read as follows:

“3.12.4 City-Wide Park Fee. Pursuant to Section 3.17.1.2(i) below, the City-Wide Park Fee set forth in this Section 3.12.4 shall be paid by Landowner through bond proceeds from future Community Facilities District bond sale(s) rather than paid at building permit. The City-Wide Park Fee shall fund the construction of City-Wide park facilities within the Specific Plan. As funded by future bond proceeds, the City-Wide Park Fee, as described in Section 3.12.5 below, including a \$595 per unit credit, shall be \$1,538 per Low Density Residential unit, \$1,070 per Low Density Residential-Active Adult unit, \$1,314 per Medium Density Residential unit, and \$1,090 per High Density Residential unit (but excluding carriage units, which shall not pay City-Wide Park Fees), subject to annual adjustment, on July 1, based on the percentage change in the CCI. City-Wide park fees paid by Landowner through CFD bond proceeds shall be applied to the construction of improvements to SVSP Parcel KT-50.”

j. REVISED SECTION 3.12.5. Section 3.12.5 of the Development Agreement is revised in its entirety to read as follows:

“3.12.5 City-Wide Park In-Lieu Fee. In accordance with the park financing plan for the Property, Landowner shall pay a city-wide park in-lieu fee (the “City-Wide Park In-Lieu Fee”), upon issuance of each residential building permit within the Project, to fund improvements to SVSP Parcel KT-50 or other city-wide parks within the City. Such City-

Wide Park In-Lieu Fee shall be \$1,206 per Low Density Residential unit, \$838 per Low Density Residential-Active Adult unit, \$1,030 per Medium Density Residential unit, and \$854 per High Density Residential unit (but excluding carriage units, which shall not pay City-Wide Park In-Lieu fees), subject to annual adjustment, on July 1, based on the percentage change in the CCI.”

- k. REVISED SECTION 3.12.6. Section 3.12.6 of the Development Agreement is revised in its entirety to read as follows:

“3.12.6 Open Space In-Lieu Fee. Landowner is dedicating 36.6 acres of open space, as provided in Section 3.12.11 below, to be credited by City at a 1:5 ratio towards Landowner’s open space dedication requirement for the Project, leaving an open space dedication obligation of 8.2 acres for the Project. Based on a current appraisal valuation of \$135,000 per acre, Landowner, in accordance with the park financing plan for the Property, shall pay an open space in-lieu fee (the “Open Space In-Lieu Fee”), upon issuance of each residential building permit within the Project, of \$128 per Low Density Residential unit, \$65 per Low Density Residential-Active Adult unit, \$109 per Medium Density Residential unit, and \$90 per High Density Residential unit (but excluding carriage units, which shall not pay Open Space In-Lieu fees), subject to annual adjustment, on July 1, based on the percentage change in the CCI.”

- l. REVISED SECTION 3.12.8. Subsection 3.12.8 of the Development Agreement is revised in its entirety to read as follows:

“3.12.8 Bike Trail Fee. Upon the issuance of each residential building permit within the Project, Landowner shall pay a bike trail fee to fund Class 1 bike trail construction within the Property. Such bike trail fee shall be \$57 per Low Density Residential unit, \$51 per Low Density Residential-Active Adult unit, \$49 per Medium Density Residential unit, and \$40 per High Density Residential unit (but excluding carriage units, which shall not pay bike trail fees), subject to annual adjustment, on July 1, based on the percentage change in the CCI.

The bike trail fee, as set forth herein, is calculated based on 100% of the total dwelling units entitled in the Project for construction of the bike trails within the Project. City may conduct an annual re-assessment of bike trail fees for the Property subject to this Agreement and adjust the fee upward if underutilization of entitled units for the Property subject to this Agreement exceeds 10%.

At the request of the City and provided that sufficient funds are available, Landowner shall construct, consistent with City standards, segments of bike trails as provided by Section 3.12.9. Landowner shall be entitled to reimbursement by City from the bike trail fee, for the actual cost of constructing the bike trail segments, but not to exceed the costs specified in the Parks Financing Plan, as more fully set forth in Section 4.2 below.”

- m. REVISED SECTION 3.17.1.2(i). Subsection 3.17.1.2(i) of the Development Agreement is revised in its entirety to read as follows:

“(i) For Phase E of the Project only, bond proceeds from bond sales commencing in the year 31 timeframe shall include an amount no greater than \$5,600 per residential unit, adjusted as the SPRTA Tier II Traffic Fee may be subsequently adjusted, consisting of a portion or all of the following fees set forth in this Agreement or otherwise provided in the Roseville Municipal Code that would normally be paid at the time of issuance of building permits for low, medium, and high density residential dwelling units:

- (1) City-Wide Park Fee (Section 3.12.4);
- (2) City Public Facilities Fee (Roseville Municipal Code Chapter 4.52);
- (3) Public Benefit Fee (Section 3.14.3).

City reserves the discretion to determine which portions (amount) of each of the fees described in above subsections (1), (2), and (3) may be deferred to the bond sale for Phase E of the Project. Notwithstanding any provision in this Agreement to the contrary, any amount exceeding \$5,600, adjusted as the SPRTA Tier II Traffic Fee may be subsequently adjusted (or exceeding such actual lesser amounts for MDR or HDR units determined by City), per residential unit shall be due and payable to City upon issuance of a building permit commencing with the first applicable building permit for the Project. Notwithstanding any other provision in this Agreement to the contrary, if any of the fees described in above subsections (1), (2), and (3) are required by City for non-residential development then such fees shall be collected upon issuance of building permit commencing with the first applicable building permit.

Should SPRTA approve any portion or all of the Tier II Traffic Fee for Phase E being likewise deferred to payment from bond sale proceeds commencing in the year 31 timeframe, then such amount per residential unit deferred for the Tier II Traffic Fee shall reduce dollar-for-dollar the above-referenced per residential unit fees otherwise deferred to future bond sale proceeds as provided for in this Section 3.17.1.2(i). If SPRTA Tier II traffic fees cannot be so deferred to payment from bond sale proceeds commencing in the year 31 timeframe for Phase E of the Project, City shall within the rate and method for Project CFD(s) for Phase E of the Project provided for in Section 3.17 accommodate total additional pay-as-

you-go revenue up to \$500 per residential unit for City-Wide park improvements from pay-as-you-go financing over a period starting in year 10 of the Project CFD(s) for Phase E of the Project, up to \$100 per residential unit per year for 5 years, provided, however, that City constructs City-Wide park improvements in either the SVSP or WRSP within twenty-four (24) months of commencement of collection of such additional pay-as-you-go revenues. In the event that City does collect such additional pay-as-you-go revenues, and proceeds forward to construct such improvements, the City Public Facilities Fee referenced herein to be deferred to payment from bond sale proceeds commencing in the year 31 timeframe shall be reduced by \$500 per unit to account for the additional pay-as-you-go revenues required by City.

For Phases F and G of the Project, the only fee deferral eligible to be paid with bond proceeds from future bond sales commencing in the year 31 timeframe shall be, should SPRTA approve such deferral, up to fifty percent (50%) of the SPRTA Tier II Traffic Fee that would otherwise be paid at the time of issuance of building permits for low, medium, and high density residential dwelling units, and there shall be no fee deferral of any City fees for such residential dwelling units in Phases F and G of the Project to bond proceeds from bond sales commencing in the year 31 timeframe.

Should the Project CFD(s) including the Property not be formed at the time that any particular building permit is issued within a large lot map parcel on the Property, or any property owner in the Project desires to pay such fees in this Section 3.17.1.1(i) rather than defer payment to such future CFD bond proceeds, the fees set forth in this Section 3.17.1.2(i) for such building permit(s) shall not be eligible to be paid in such CFD bond proceeds but, notwithstanding any provision in this Agreement to the contrary, shall be paid at the time of issuance of such building permit(s). Upon formation of the Project CFD(s) including the Property, the fees set forth in this Section 3.17.1.2(i) for unbuilt residential units shall be paid from bond proceeds in such bond sales commencing in the year 31 timeframe, unless a Project property owner desires to pay such fees at the time of issuance of building permit(s)."

- n. REVISED SECTION 3.25.B. Section 3.25.B of the Development Agreement is revised in its entirety to read as follows:

"B. Landowner acknowledges that WRSP developer(s) have paid for the costs of certain planning and environmental efforts that may have incidentally benefited Landowner. Such efforts are comprised of the following: the Municipal Services Review associated with the sphere of influence expansion and the portion of the costs of the WRSP

EIR allocated to the sphere of influence expansion approved as part of the WRSP. City has determined that Landowner's share of such planning and environmental review costs totals \$151,925. Landowner shall pay, large lot by large lot, its pro-rata share of such planning and environmental review costs sought to be reimbursed by the WRSP based on the acreage in a particular large lot owned by Landowner compared to the total acreage within the WRSP and the Remainder Area, as defined in the WRSP, including the Annexation Area defined herein, as the denominator. Each such payment, large lot by large lot, shall be due and payable prior to the recordation of the first final small lot subdivision map for a particular large lot of Landowner's Property in the case of low density and medium density residential projects, or issuance of the first building permit for high density residential or non-residential projects. Reimbursements shall be paid directly to the WRSP developers."

o. REVISED EXHIBITS. The following exhibits attached to the Development Agreement are proposed to be deleted and replaced by new exhibits attached to this First Amendment as follows:

Exhibit C	-----	Annexation Area & Plan Area
Exhibit E	-----	Land Use Plan
Exhibit F	-----	Affordable Housing Sites
Exhibit G	-----	Phasing Plan
Exhibit H	-----	Road Improvements
Exhibit I	-----	Traffic Signals
Exhibit J	-----	Sewer Facilities
Exhibit K-1	-----	Wastewater Facilities for Reimbursement
Exhibit L	-----	Groundwater Well
Exhibit M	-----	Water Conservation Plan
Exhibit N	-----	Water Facilities
Exhibit O-1	-----	Water Facilities for Reimbursement Between Sierra Vista, Landowner and Urban Reserve
Exhibit O-2	-----	Water Facilities for Reimbursement Between Sierra Vista, Urban Reserve, Landowner and Placer County Projects
Exhibit P	-----	Recycled Water Facilities
Exhibit Q	-----	Recycled Water Facilities for Reimbursement
Exhibit R	-----	Storm Drainage Facilities
Exhibit S	-----	Post Development 100 Year Floodplain
Exhibit T	-----	Electric Utility Improvements
Exhibit U	-----	60kV Easement Area
Exhibit V	-----	Parks and Open Space
Exhibit W	-----	Parks Financing Plan
Exhibit X	-----	Bikeway Master Plan
Exhibit Y	-----	Open Space Preserve Areas
Exhibit AA	-----	DUE Allocation to Specific Plan Parcels for WRSP Reimbursements

2. CONSISTENCY WITH GENERAL PLAN. The City Council has found and determined that this First Amendment of the Development Agreement is consistent with the General Plan and the Sierra Vista Specific Plan.

3. AMENDMENT. This First Amendment amends, but does not replace or supersede, the Development Agreement, except as specified herein. As amended hereby, the Development Agreement remains in full force and effect.

4. FORM OF AGREEMENT. This First 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, as 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 _____, 2016.

CITY OF ROSEVILLE,
a municipal corporation

WESTPARK S.V. 400, LLC,
a California limited liability company

By: _____
Rob Jensen
City Manager

By:  _____
Jeff Jones
Manager

ATTEST:

By: _____
Sonia Orozco
City Clerk

APPROVED AS TO FORM:

By: _____
Robert R. Schmitt
City Attorney

APPROVED AS TO SUBSTANCE:

By:  _____
Kevin Payne
Development Services Director

Exhibit C Annexation Area & Plan Area

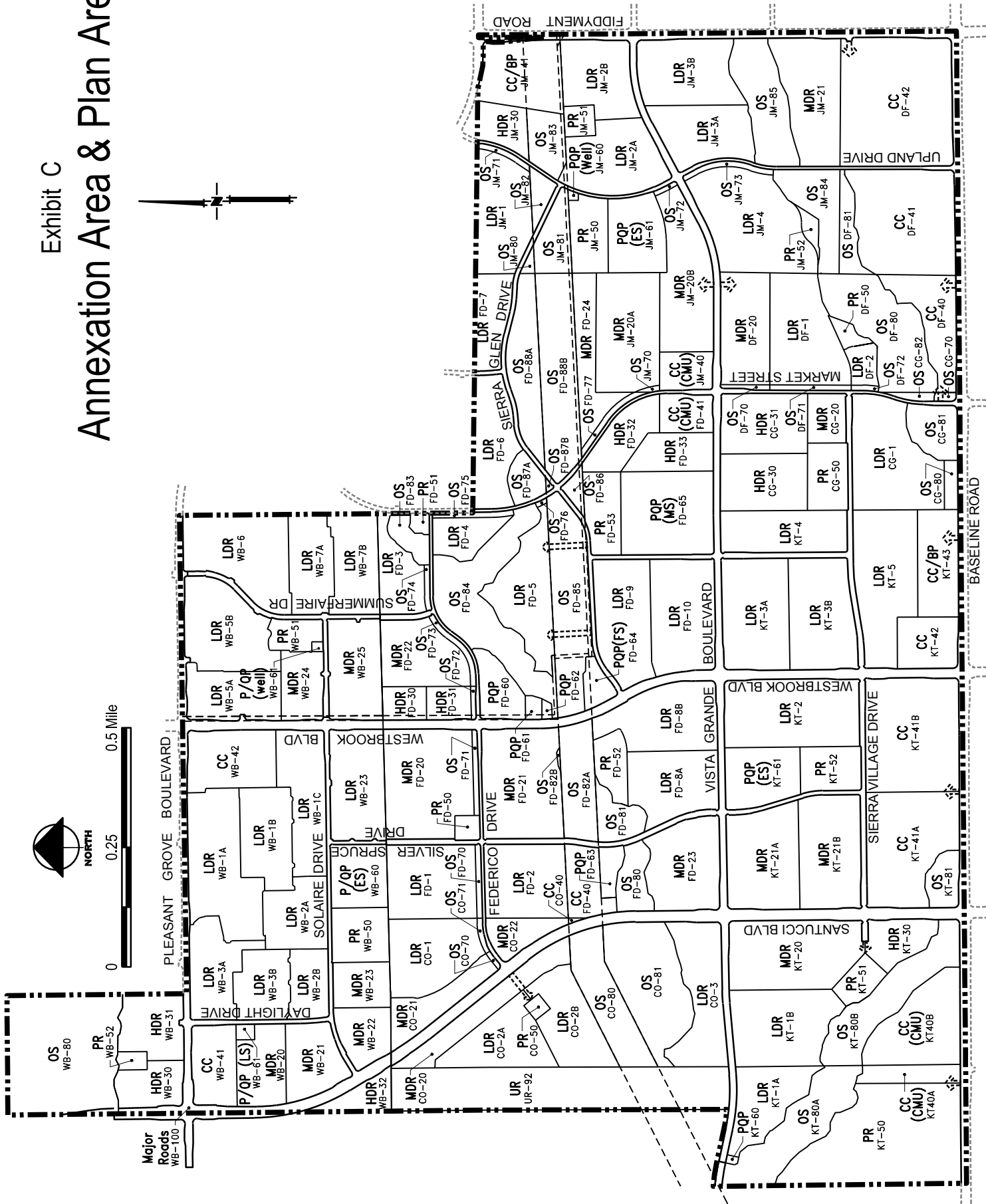


Exhibit E

Land Use Plan

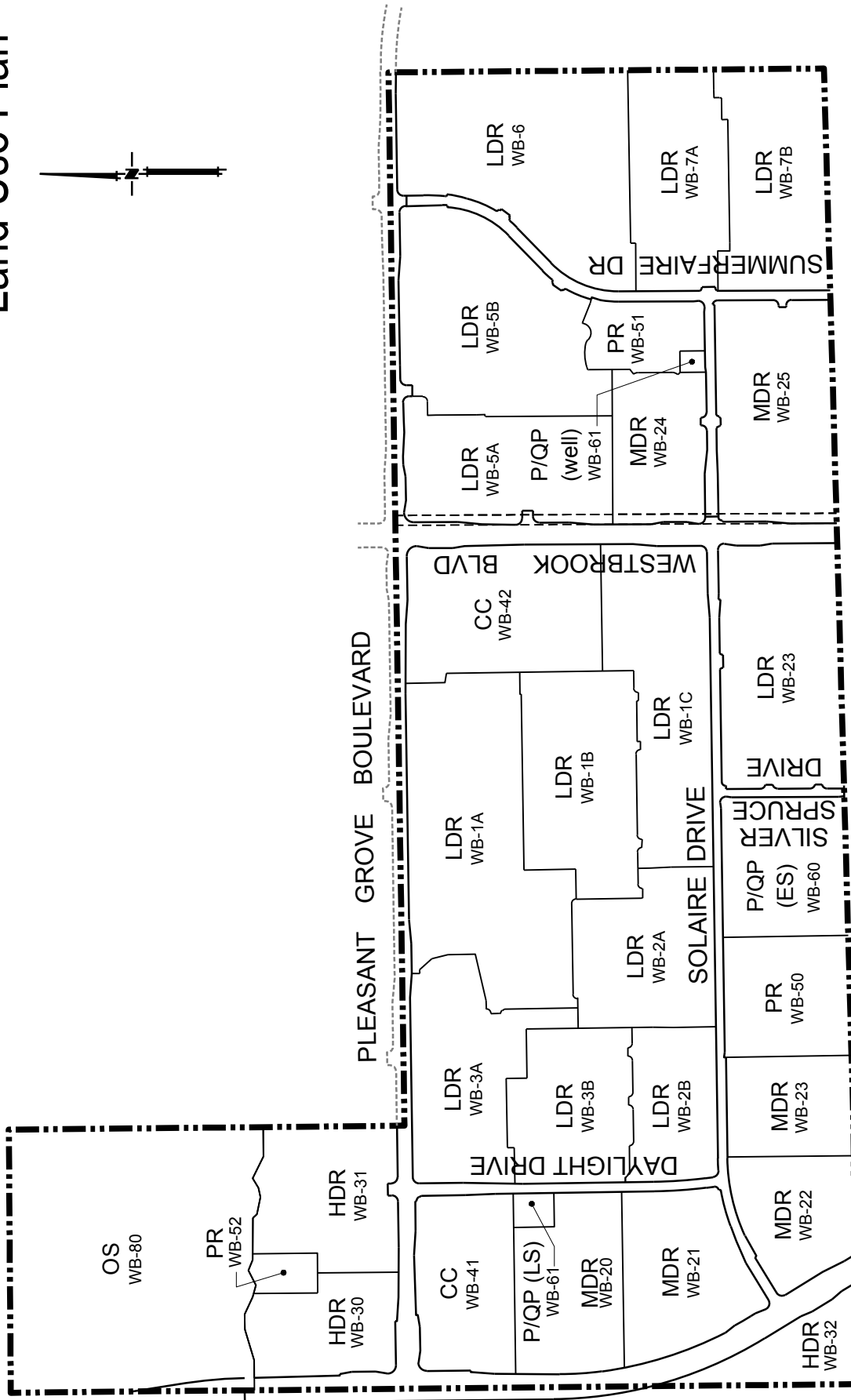
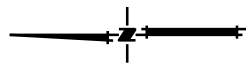


Exhibit F

Affordable Housing Sites



LEGEND

-  AFFORDABLE HOUSING SITE
(as defined in the approved Specific Plan
Amendment and Development Agreement)

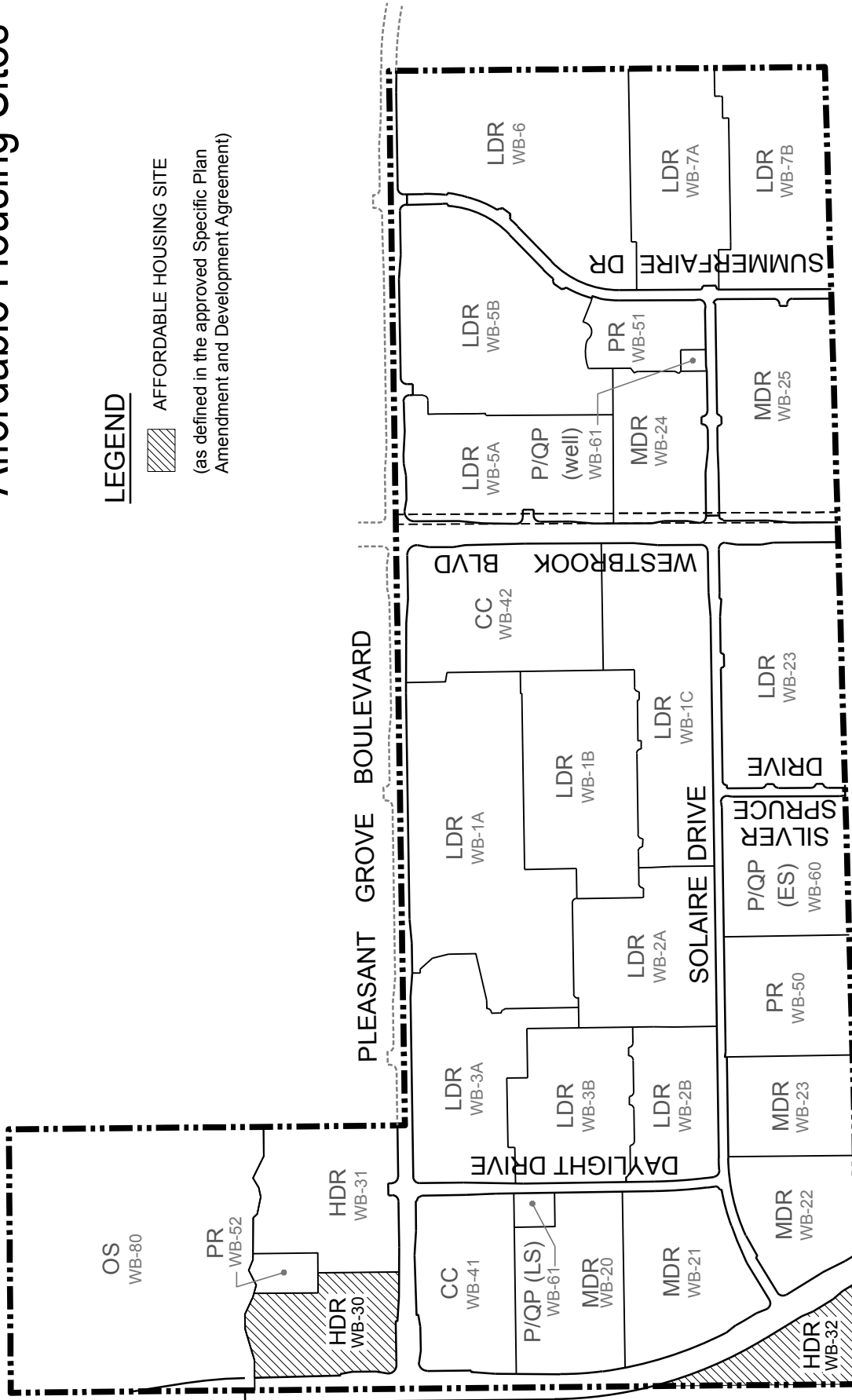


Exhibit G Phasing Plan

LEGEND
 PHASE LINE

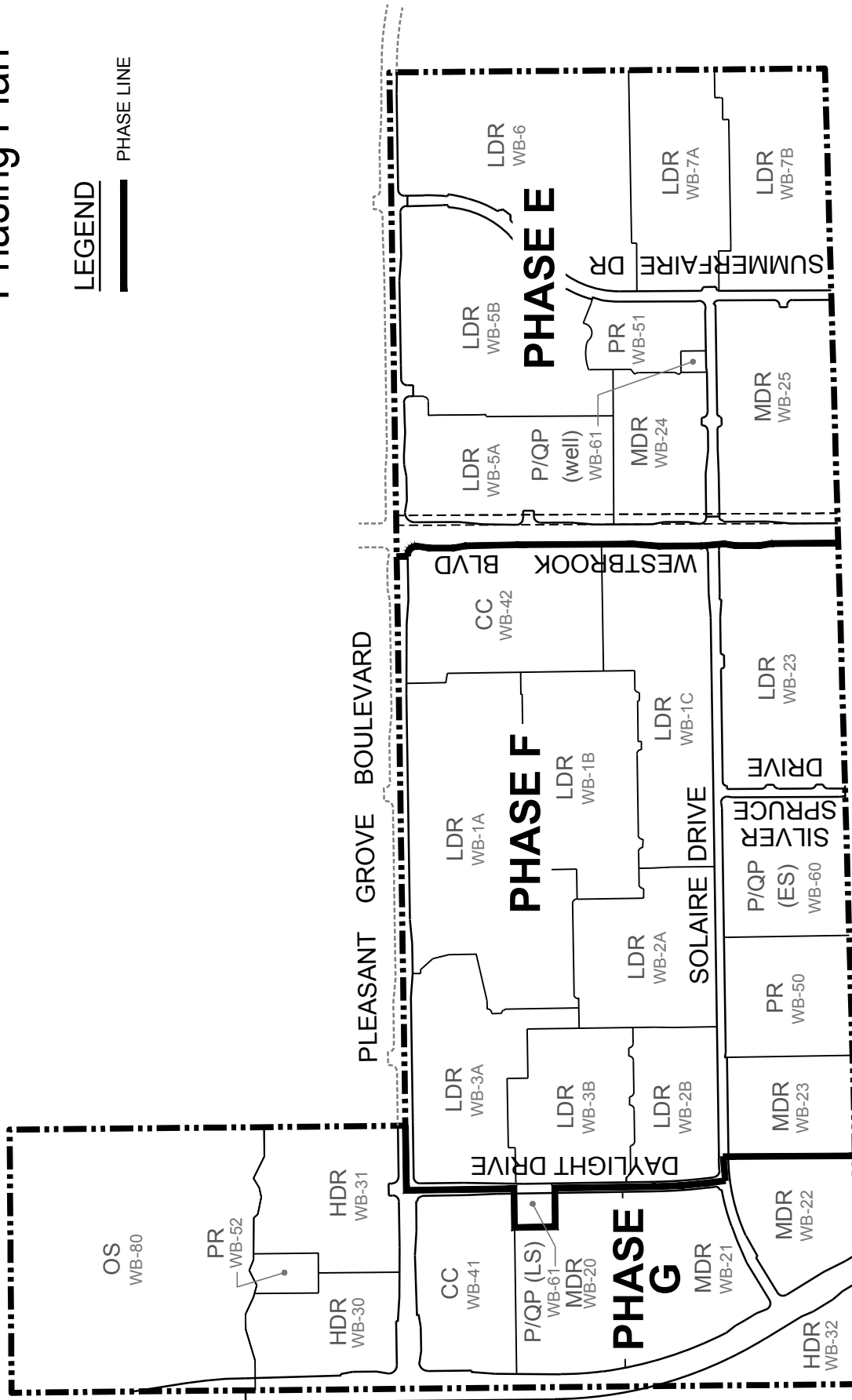


Exhibit H

Road Improvements

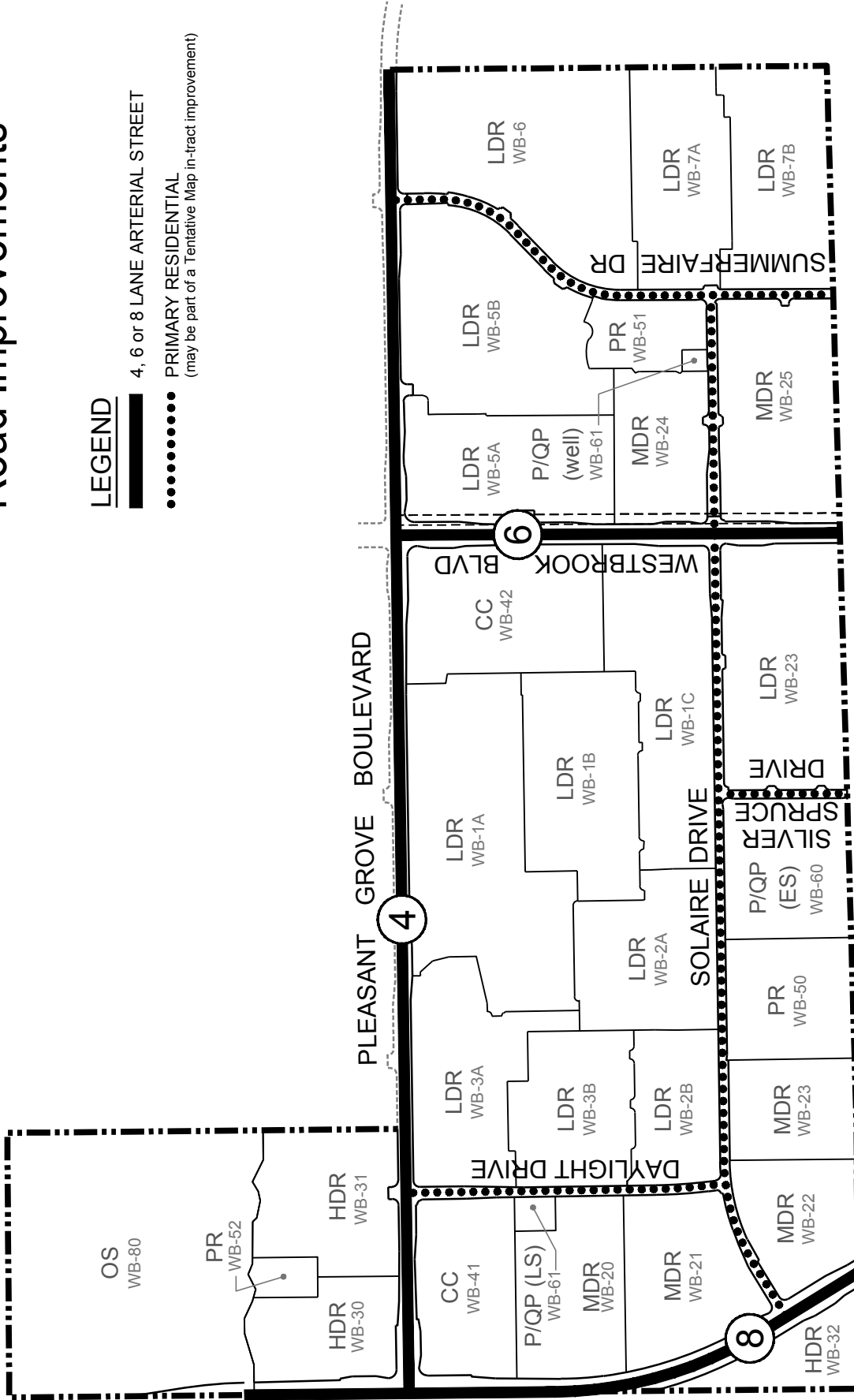
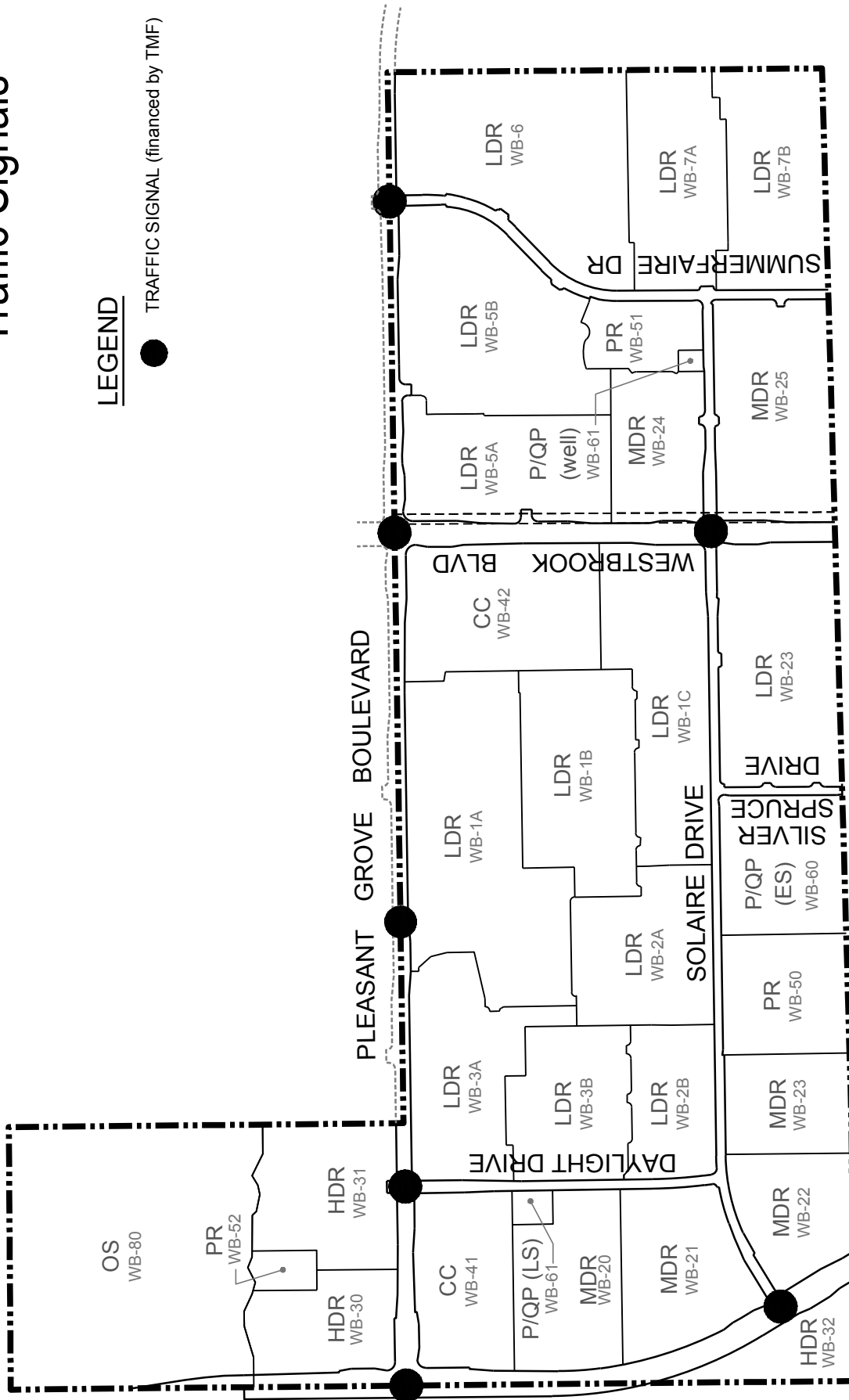


Exhibit I

Traffic Signals



Sewer Facilities

SEWER MANHOLE

SEWER LIFT STATION

SEWER FORCE MAIN

DIRECTION OF FLOW

P.O.C. POINT OF CONNECTION



Exhibit K-1 Wastewater Facilities for Reimbursement

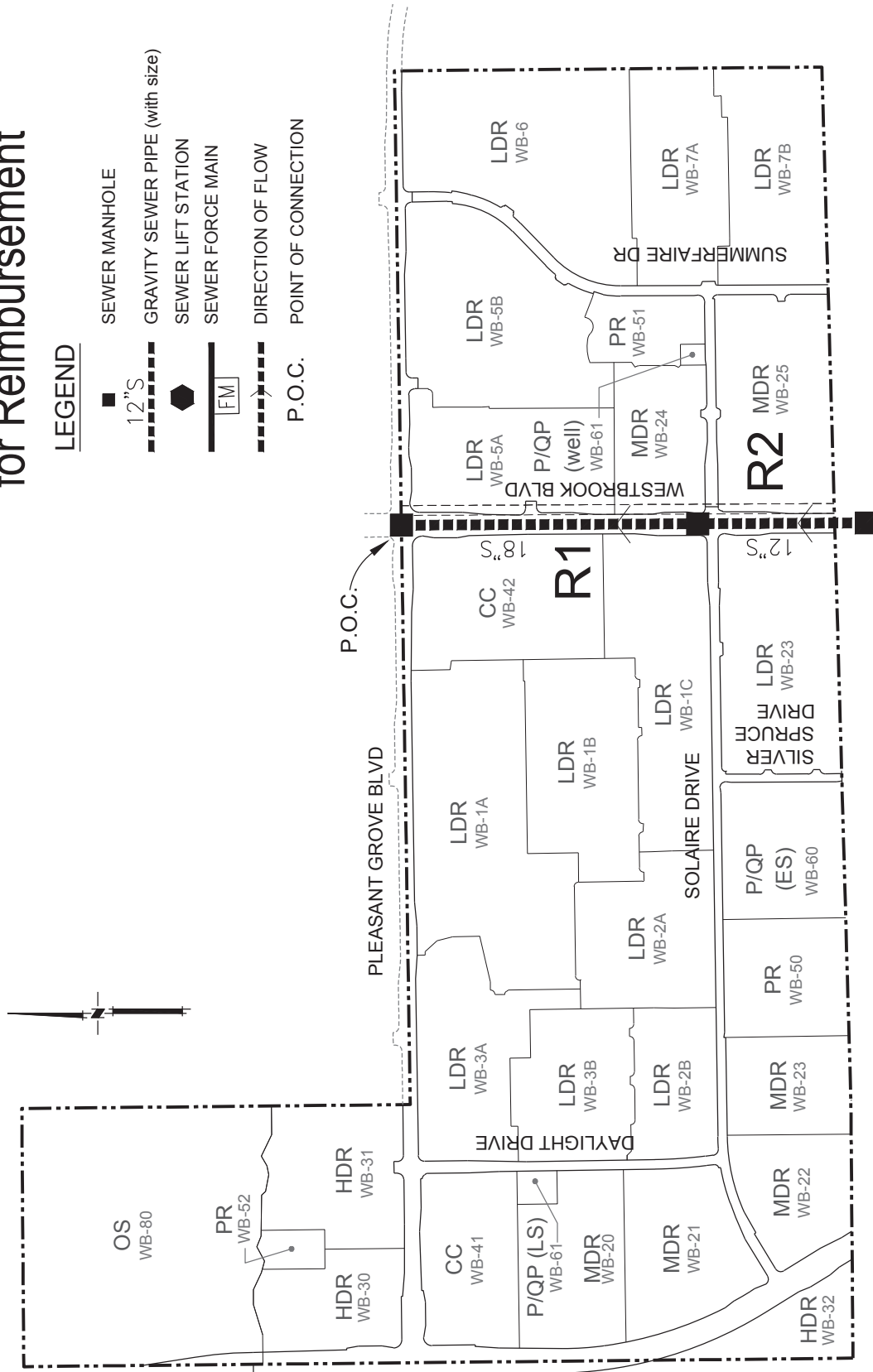
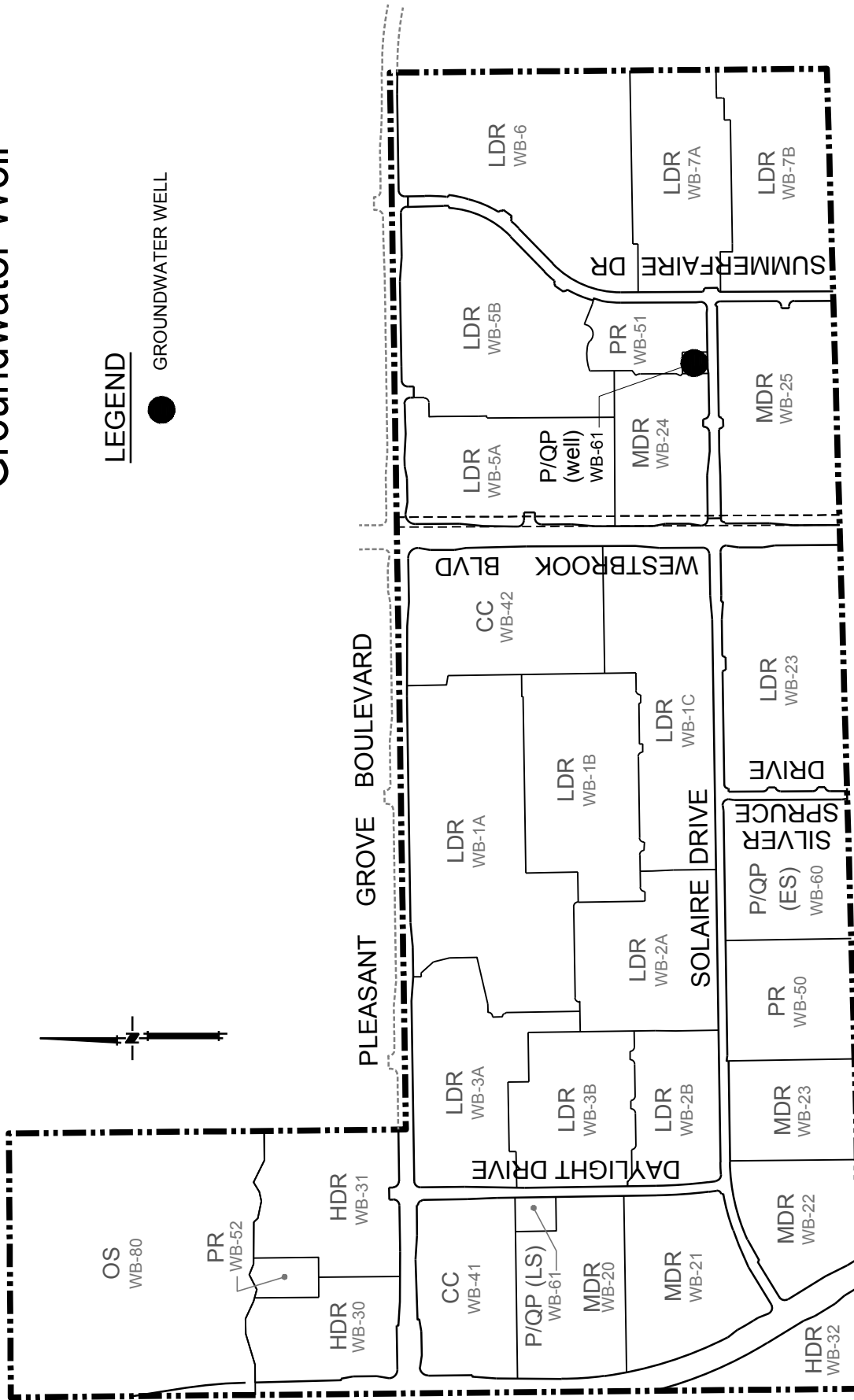


Exhibit L

Groundwater Well



Technical Memorandum

To: Ryan O'Keefe
From: Kyle Horn, P.E. LEED AP
Reviewed by: Curtis Lam, P.E.
Subject: Westbrook, Water Conservation Plan - Addendum #2
Date: January 11, 2016

EXHIBIT M

This Technical Memorandum updates the September 2011 Westbrook Water Conservation Plan (WCP) to reflect changes made to the Westbrook land use plan update October 21, 2015. The following table provides a summary of changes to the WCP. Text formatted in **bold** in the table below reflects the updated portion of the text. All figures and tables shown below supersede previous revisions.

Page	Document Change
P. 2, Table 1	Replace Table 1 with the attached Table 1
P. 4, Table 3	Replace Table 3 with the attached Table 3
P. 5, Table 5	Replace Table 5 with the attached Table 5
P. 12, Table 3-1	Replace Table 3-1 with the attached Table 3-1
P. 6, 1 st Calculation	Turf: $116AFY * \left(\frac{70\%}{71.5\%} \right) = 114AFY$
P. 6, 2 nd Calculation	Low Water Use: $116AFY * \left(\frac{1.5\%}{71.5\%} \right) = 2AFY$
P. 6, 3 rd Calculation	$114AFY * \left(\frac{42\%}{70\%} + \frac{28\% * 30\%}{70\%} \right) + 2AFY = 84AFY$
P. 6, ¶ 3	Non-Residential: Turf reduction on non-residential parcels within Westbrook was assumed to be employed in the parks and ROW/landscape corridors . The assumptions used to estimate water conservation in these areas are as follows:
P. 6, Bullet 5	Right-of-way/landscape corridors were assumed to use 100% of their water for landscape irrigation.
P. 6, Bullet 6	Right-of-way/landscape corridors were assumed to irrigate approximately 80% of their parcel area with turf. This was reduced to 30% turf and 50% low water use plantings.
P. 7, Table 6	Replace Table 6 with the attached Table 6
P. 8, Table 7	Replace Table 7 with the attached Table 7
P. 8, ¶ 1	As an example of how these values were calculated, for the low-density residential front yards, the annual demand is 84 AFY . Assuming that this demand is reduced by 20% when using smart irrigation controllers, the reduced demand is estimated to be:
P. 6, 1 st Calculation	$84AFY * (80\%) = 67AFY$
P. 9, Table 8	Replace Table 8 with the attached Table 8
P. 9, ¶ 1	As an example of how these values were calculated, for the low-density residential land use, the total number of dwelling units is 976 . The reduced water demand would be estimated to be:
P. 9, 1 st Calculation	$976DU * 7.5 \frac{gal}{day} * \frac{AF}{325,851gal} * 365day/yr = 8AFY$
P. 10, Table 9	Replace Table 9 with the attached Table 9
P. 10, ¶ 1	If the described water conservation measures described in this memorandum were taken for Westbrook, it is estimated that Westbrook overall water demand would be reduced by 163 AFY yielding an adjusted potable water demand of 919 AFY . This represents a 15.2% reduction from the original water demand for Westbrook of 1,095 AFY .

Table 1: Water Use Factors and Demands

Land Use Designation	Abbreviation	Total Area (acres)	Dwelling Units	Water Use Factor ¹	Annual Demand ² (AFY)
Residential					
Low Density Residential	LDR	184.8	976	Varies	571
Medium Density Residential	MDR	56.4	433	Varies	194
High Density Residential	HDR	24.1	620	177 gpd/DU	123
Non-Residential					
Community Commercial	CC	24.5	-	2,598 gpd/acre	71
Park	PR	14.6	-	2,988 gpd/acre	49
Elementary School	P/QP	10.0	-	3,454 gpd/acre	39
Well Site	P/QP	0.3	-	1,780 gpd/acre	0.6
Lift Station	P/QP	0.8	-	1,780 gpd/acre	1.6
Open Space	OS	36.6	-	0 gpd/acre	0
ROW/Landscape Corridor	ROW	35.0	-	2,988 gpd/acre	25 ⁽⁴⁾
Totals		397.4			1,049
Total Demand with 2% System Losses					1,070

Notes:

1. Demand use factors are based on the "Phase II Report TM 7" factors in Table 1-1 of MWH's TM1 (MWH, 2002).
2. Annual demand based on the Westbrook land use plan, **updated October 21 2015**.
3. **ROW/Landscape Corridors are assumed to irrigate 15% of their total area.**
4. **ROW/Landscape Corridors demands are only associated with the RW system.**

Table 3: Residential Base Water Use

Land Use Designation	Annual Demand (AFY)	Annual Front Yard Demand (AFY)	Annual Back Yard Demand (AFY)	Total Annual Irrigation Demand (AFY)
Low Density Residential	571	116	175	291
Medium Density Residential	194	40	59	99
High Density Residential ¹	123	17	0	17
Total	888	173	234	407

Notes:

1. Demand for HDR parcels was calculated differently from LDR and MDR parcels, as described above. Demand for HDR parcels was not separated into front and back yard demand since traditional front and back yards are not typically present on HDR parcels.

Table 5: Reduced Landscape Turf Water Savings – Residential

Land Use Designation	Annual Front Yard Demand ^{1,2} (AFY)	Annual Front Yard Turf Demand (AFY)	Reduced Turf Annual Front Yard Demand (AFY)	Water Savings for Reduced Turf (AFY)	Water System Savings
Low Density Residential	116	114	84	32	Potable
Medium Density Residential	40	39	29	11	Potable
High Density Residential	17	17	13	4	Recycled
Total	173	170	126	47	

Notes:

- From Table 3.
- Demands for High Density Residential parcels represent full irrigation demand since there is no distinction between front yard and back yard

Table 6: Reduced Landscape Turf Water Savings – Non-Residential

Land Use Designation	Annual Irrigation Demand ² (AFY)	Base Turf Area ¹	New Turf Area ¹	Low Water Use Area ¹	Reduced Irrigation Demand (AFY)	Water Savings for Reduced Turf (AFY)	Water System Savings
Parks	40	75%	60%	15%	35	5	Recycled
ROW/Landscape Corridors	25	80%	30%	50%	14	11	Recycled
Total	65				49	16	

Notes:

- As a percentage of the parcel area.
- This incorporates the reduction in water demand to account for only the fraction used for irrigation of parks described above.

Table 7: Smart Irrigation Controller Water Savings

Land Use Designation	Original Demand (AFY) ¹	Reduced Demand (AFY)	Water Savings (AFY)	Water System Savings
Low Density Residential				
Front Yard	84	67	17	Potable
Back Yard	175	140	35	Potable
Medium Density Residential				
Front Yard	29	23	6	Potable
Back Yard	59	47	12	Potable
High Density Residential	13	10	3	Recycled
Parks	35	28	7	Recycled
ROW/Landscape Corridor	14	11	3	Recycled
Total	409	358	83	

Notes:

- Original demand includes the turf reduction water conservation measures that were previously described.

Table 8: Re-circulating Hot Water Savings

Land Use Designation	Dwelling Units (DU)	Water Savings for Recirculating Hot Water (AFY)	Water System Savings
Westbrook			
Low Density Residential	976	8	Potable
Medium Density Residential	433	4	Potable
High Density Residential	620	5	Potable
Total	2,029	17	

Table 9: Westbrook Water Conservation Estimate

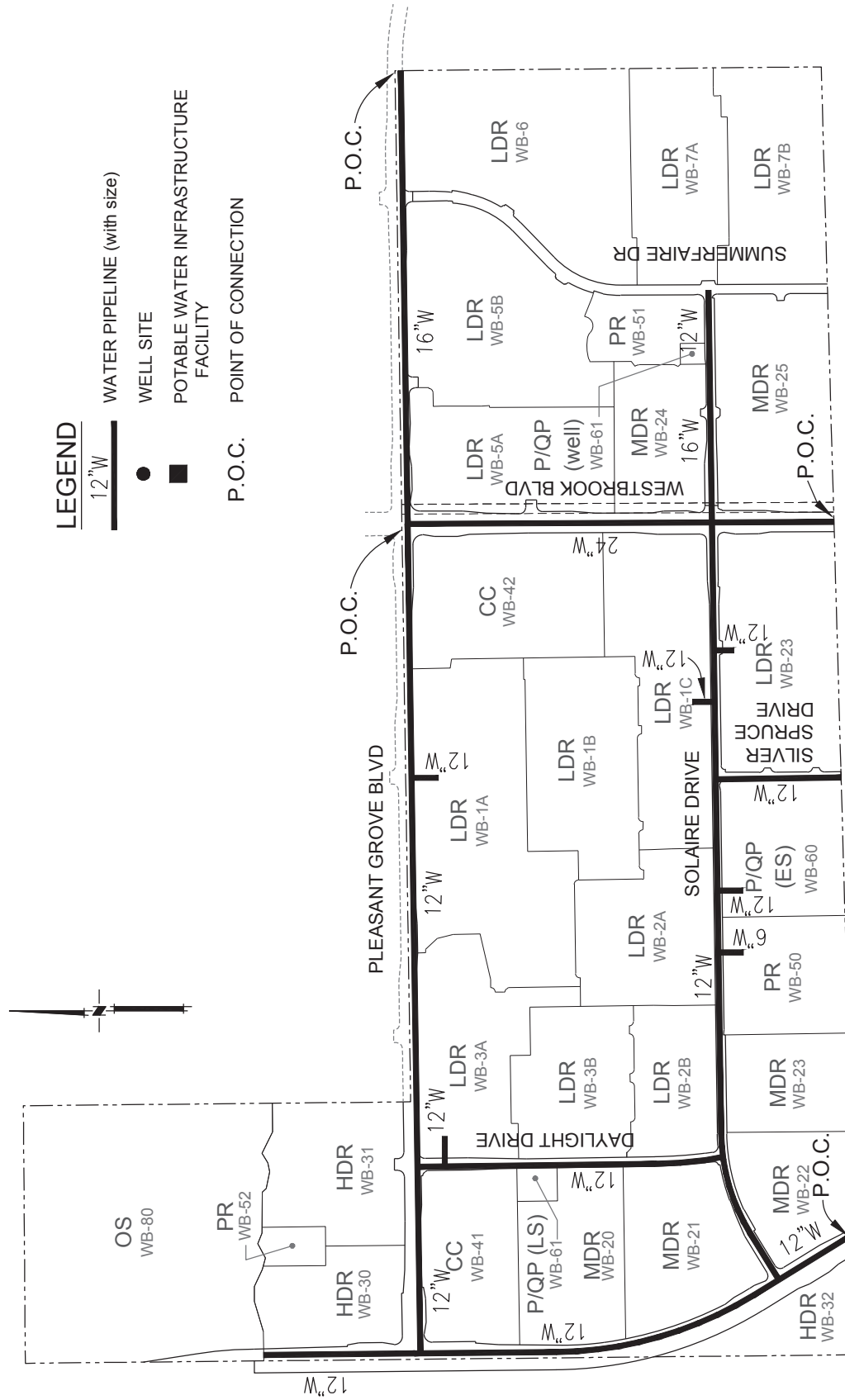
Method	Original Total Water Demand ² (AFY)	Potable Water Savings (AFY)	Recycled Water Savings (AFY)	Total Volume of Water Savings (AFY)	Total Percentage of Water Savings ¹
Westbrook	1,095				
Reduced landscape turf – residential		43	4	47	4.4%
Reduced landscape turf – parks, right of way		-	16	16	1.5%
Smart irrigation controllers – all types of land uses		70	13	83	7.8%
Re-circulating hot water – residential		17	-	17	1.6%
Total		130	33	163	15.2%

Notes:

- Percentages rounded to the nearest tenth of a percent, and represent overall water conservation percentages for both potable and recycled water.
- Original demand includes 2% system losses and 25 AFY of demand for the ROW/Landscape Corridors that are only attributed to the RW system.

Exhibit N

Water Facilities



Water Facilities for Reimbursement Between Sierra Vista, Landowner and Urban Reserve

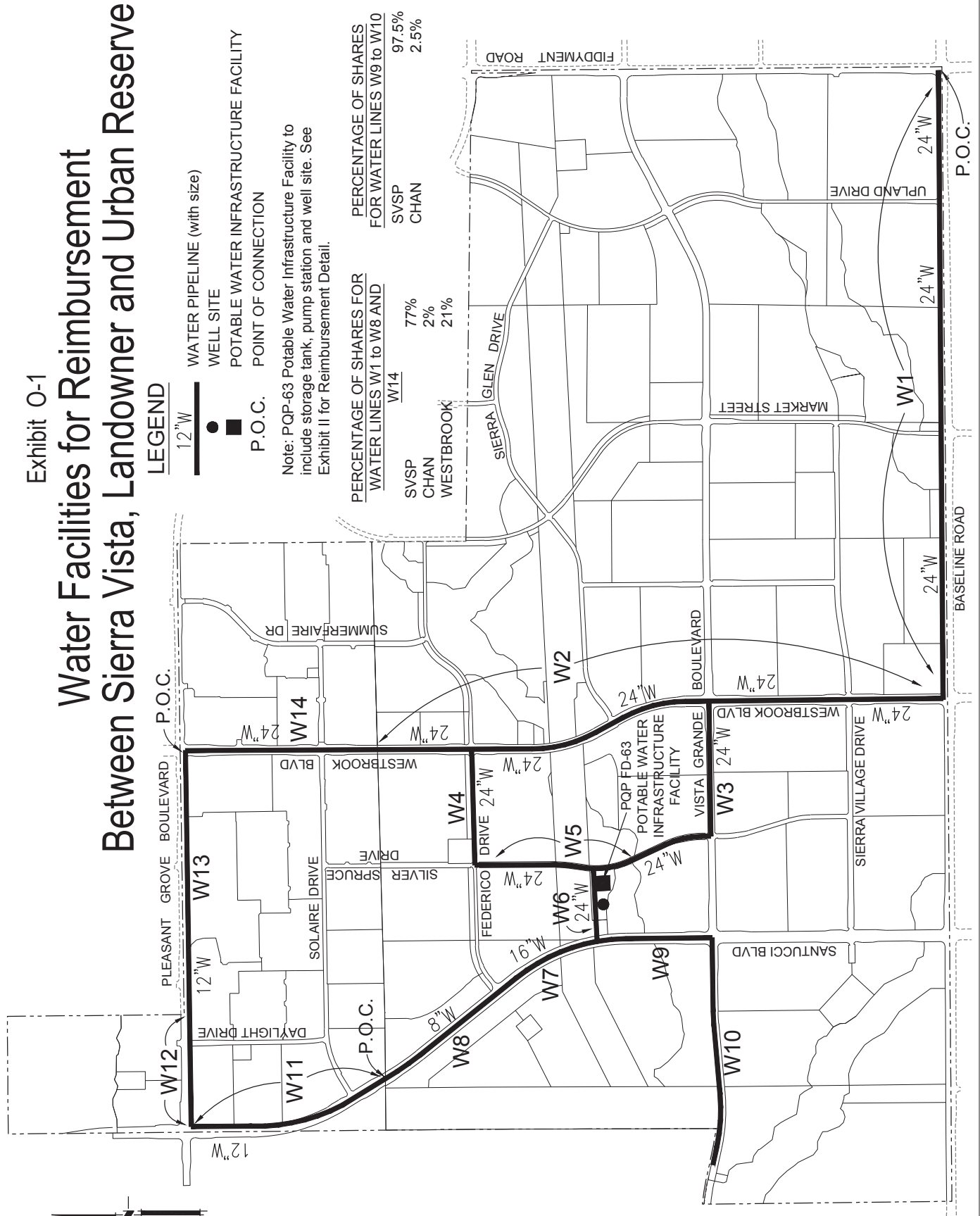


Exhibit O-2 Water Facilities for Reimbursement Between Sierra Vista, The Urban Reserve, Landowner, and Placer County Projects

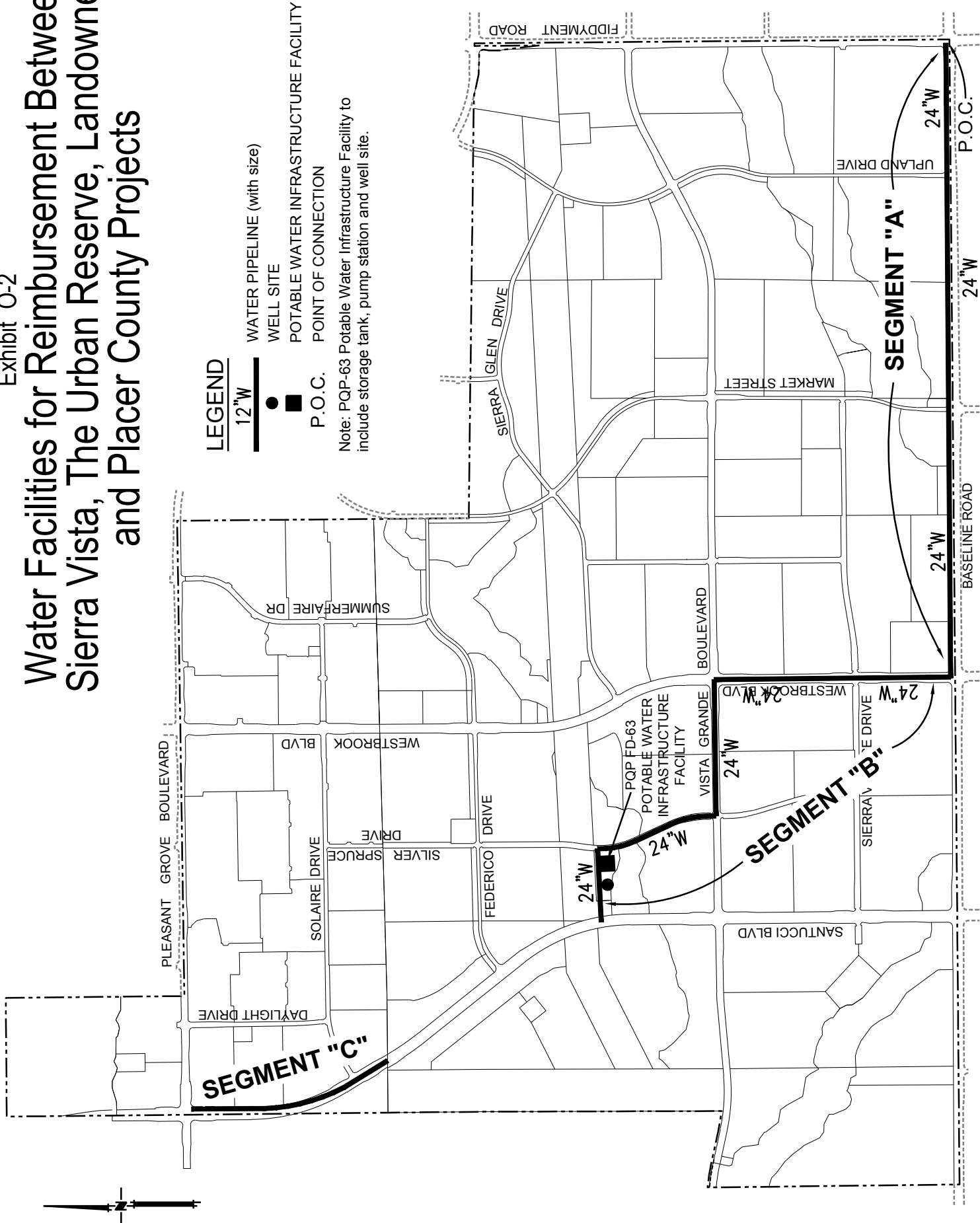


Exhibit P

Recycled Water Facilities

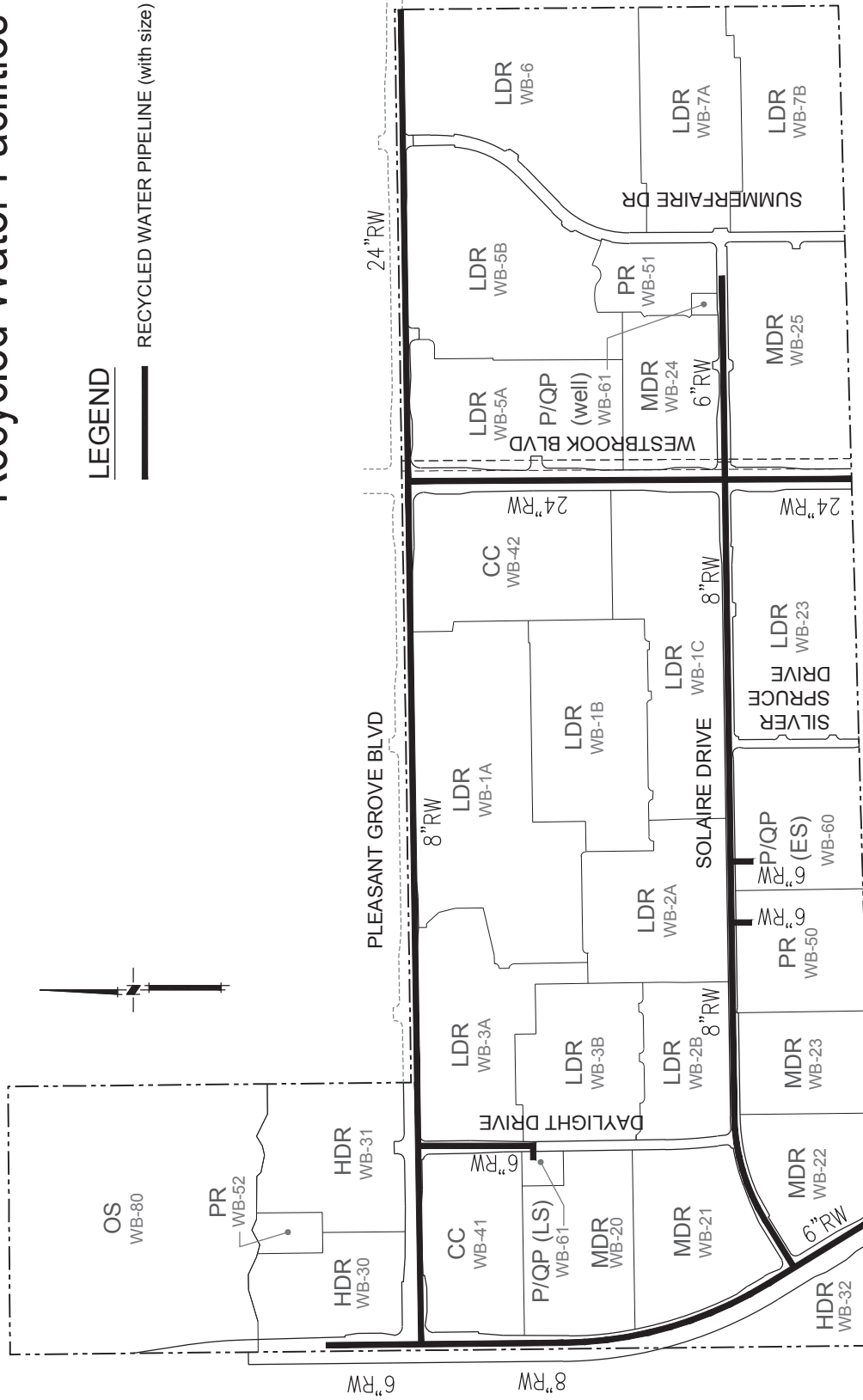


Exhibit Q

Recycled Water Facilities for Reimbursement

LEGEND

RECYCLED WATER PIPELINE (with size)

PERCENTAGE OF SHARES FOR RECYCLED WATER LINE RW-1	
SV/SP	80%
CHAN	3%
WESTBROOK	17%

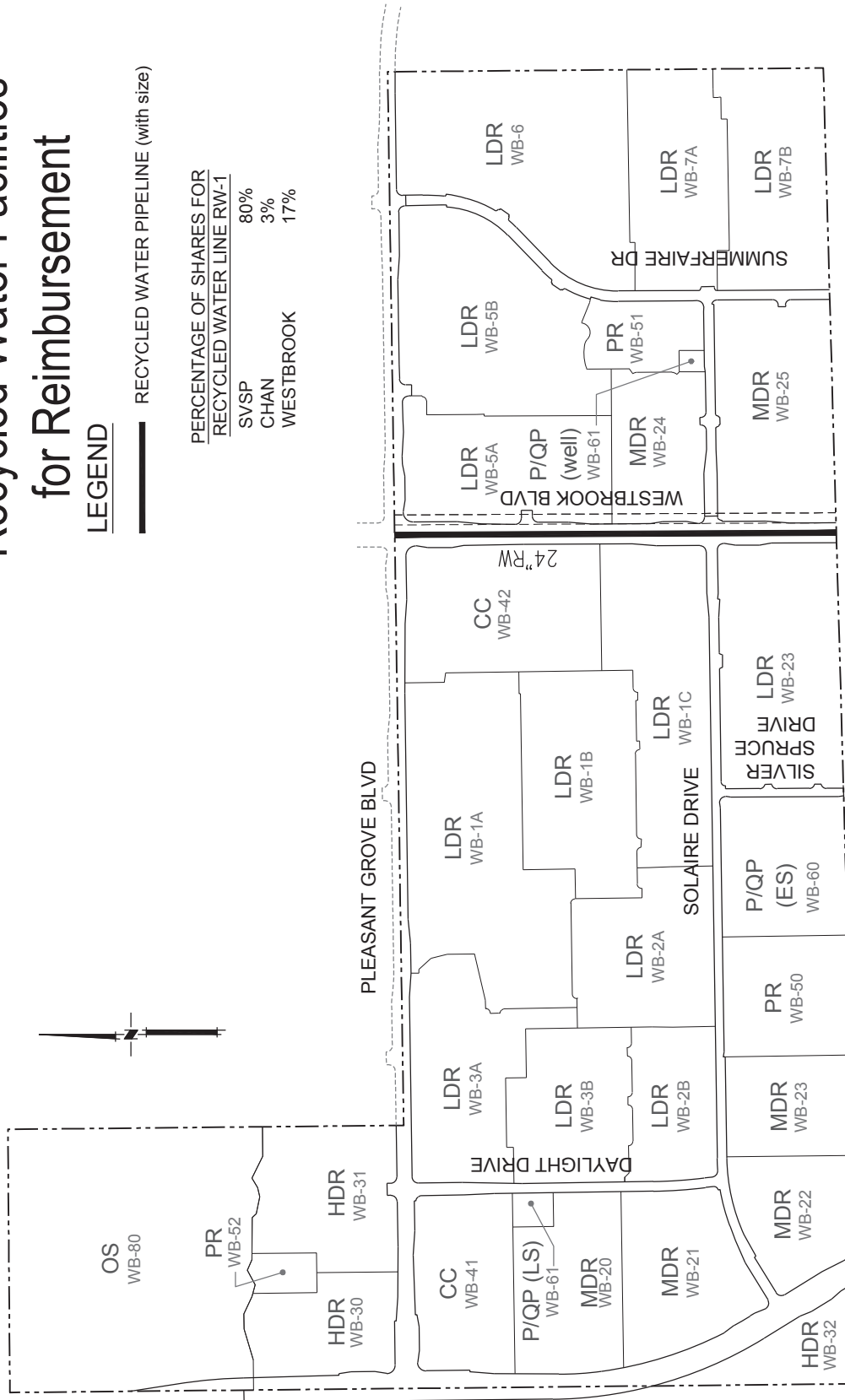


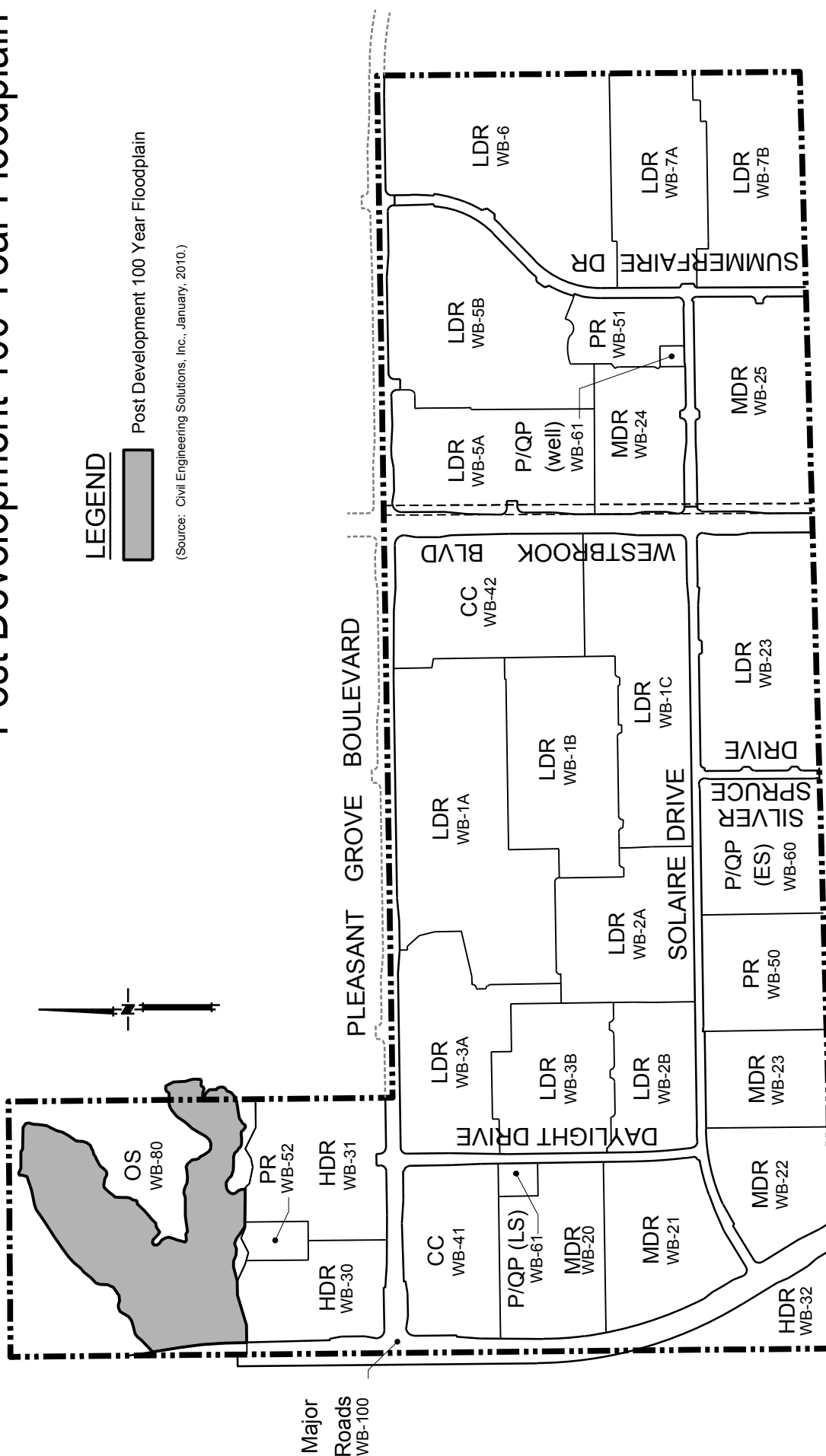
Exhibit R



Note: All sizing of drainage facilities is conceptual and will be finalized with Improvement Plans. Conspan sizing as shown or equivalent culvert.

Exhibit S

Post Development 100 Year Floodplain



Electric Utility Improvements



60kV Easement Area

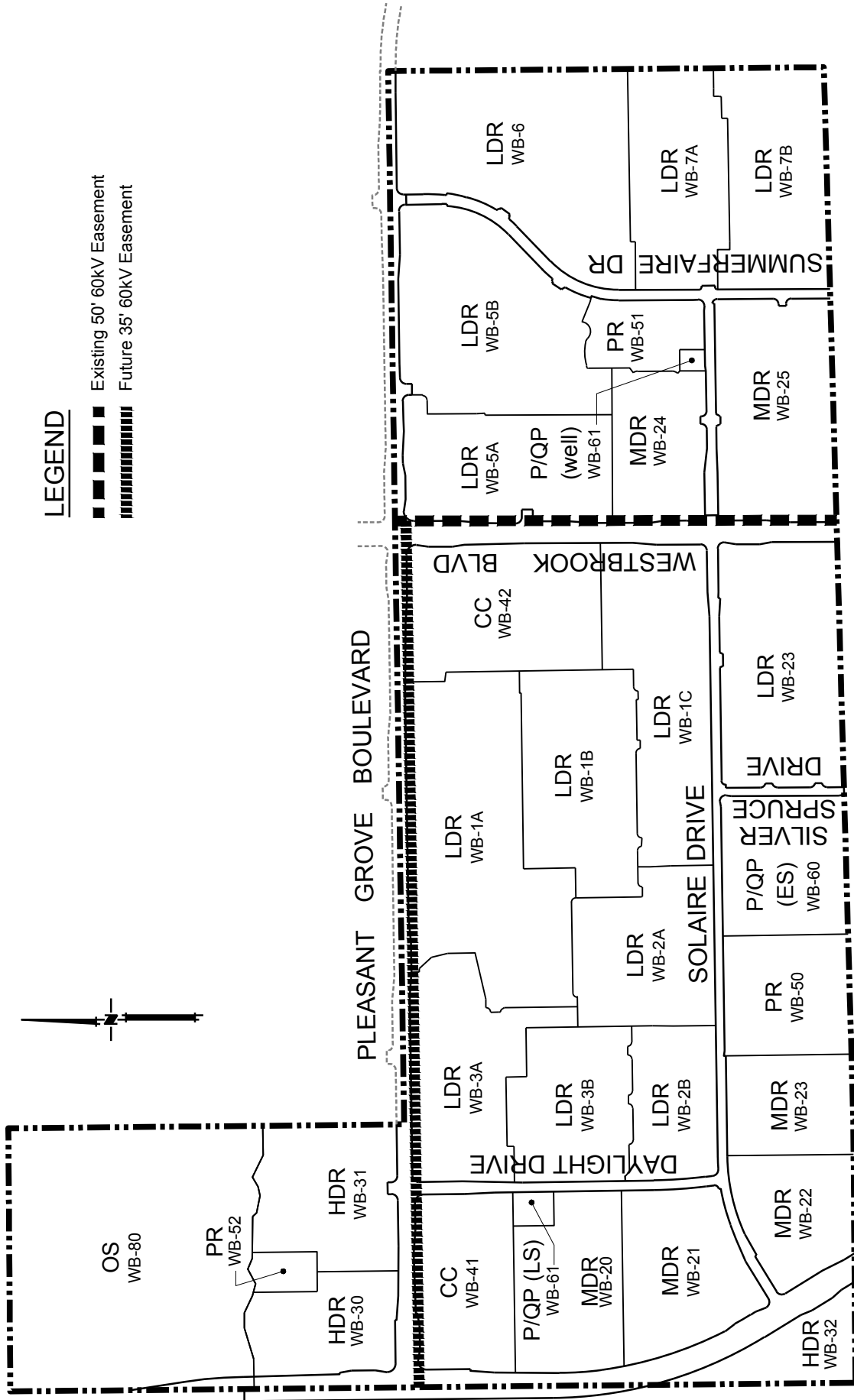
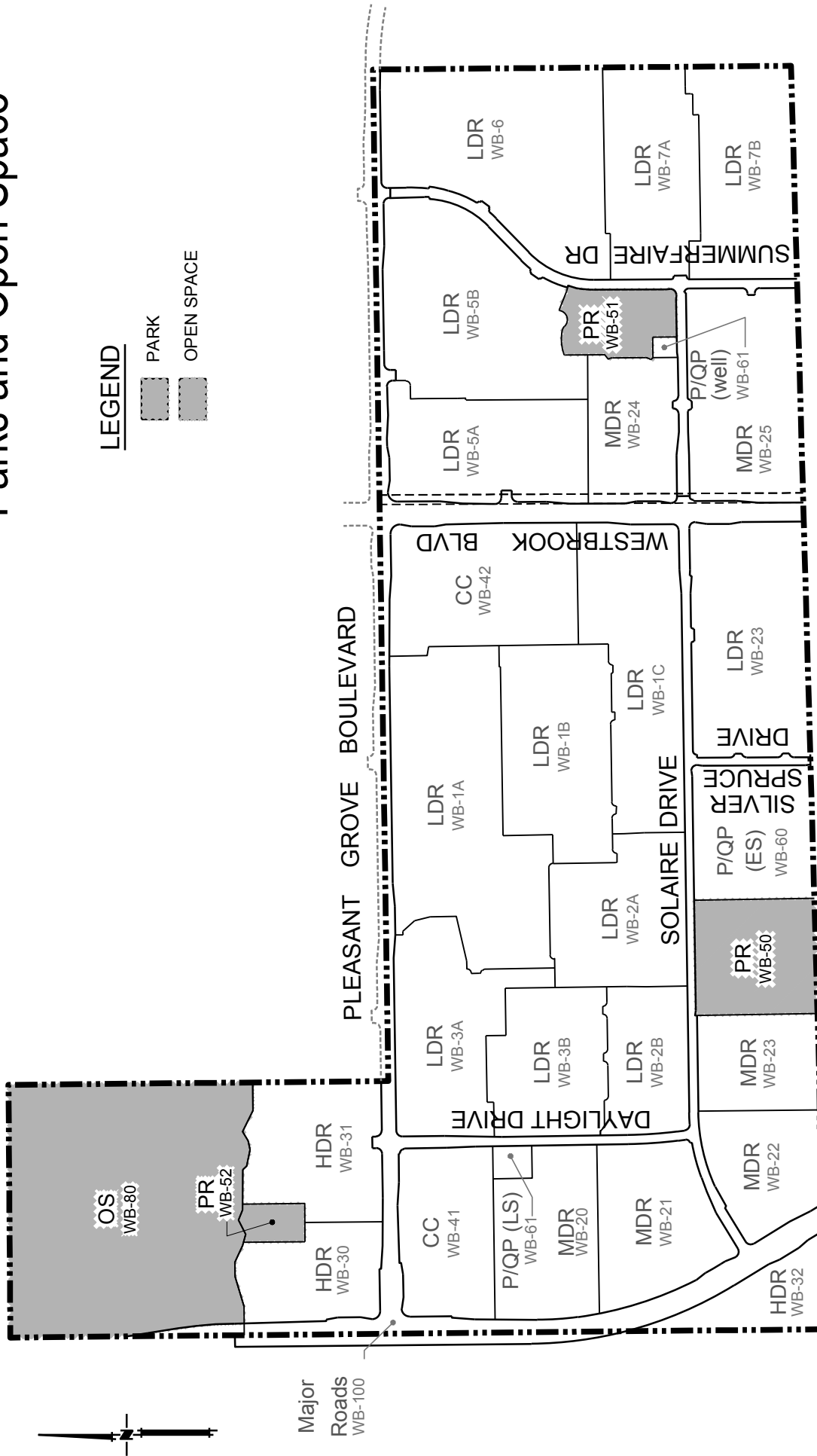
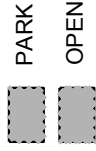


Exhibit V Parks and Open Space



LEGEND



Chapter 9: Parks and Recreation

The City of Roseville's Parks and Recreation Master Plan requires a ratio of 9 acres of parkland per 1,000 residents. The 9 acres of parkland includes; 3 acres/1,000 residents for neighborhood/community parks, 3 acres/1,000 residents for citywide parks, and 3 acres/1,000 residents for open space. For Westbrook, this generates a requirement to provide 14.6 acres in each of these categories.

The parks program developed for Westbrook includes 14.6 acres of neighborhood parks, no citywide park, and 7.3 acres of credited open space. The project meets the neighborhood park dedication requirement with 14.6 acres. The project will pay a Citywide Park in-lieu fee for 14.6 acres of parkland that is required by the parks Master Plan, and an open space in-lieu fee for 7.3 acres (the shortfall between required and credited open space). This project will not have a citywide park in the plan, but through the in-lieu fee and the citywide park fee, it will contribute to the creation of other planned facilities in the City. **Table 9-1** shows the required park acreage under the City's current Master Plan and project population assumptions. The City will be responsible for the construction of all the parks.

Three neighborhood parks have been distributed throughout the project to maximize efficiency and need. **Map 2-1** shows the location of the neighborhood parks in the Westbrook project.

Parks Improvements

Facility Costs

Table 9-2 shows the total estimated park facility costs. The neighborhood parks program costs are estimated at roughly \$3.0 million. The cost of the parks and recreation facilities include, but are not limited to, the following types of facilities:

- Landscaping
- Restrooms
- Parking
- Recreational fields
- Playgrounds
- Picnic areas

Detailed park improvements and costs are provided by MacKay & Soms in a separate report.

Phasing

The development of Phase A would have park improvements that correspond to the amount of initial residential development. These improvements include one neighborhood/community park at a size of 4.4 acres. The estimated facilities costs for the park improvements for Phase A is approximately \$910,000.

Table 9-1
Westbrook Financing Plan
Parks Acreage

Park Type	Assumptions	Acres Required	Acres Provided/Credited	Surplus/ (Deficit)
<i>Population</i>	<i>4,858</i>			
Neighborhood Park	3 acres/1,000 pop.	14.6	14.6	0.0
Citywide Park	3 acres/1,000 pop.	14.6	0	(14.6)
Open Space	3 acres/1,000 pop.	14.6	7.3	(7.3)
Total Parks		43.8	21.9	

Source: Westbrook Land Use Plan, 10/28/15

Table 9-2
Westbrook Financing Plan
Neighborhood Park Costs (2011\$)

Item	Phase A		Buildout	
	Acres/ Facility	Amount	Acres/ Facility	Amount
Neighborhood Parks	4.4	\$910,404	14.6	\$3,032,255

Source: MacKay & Soms, Park-Paseo-Trail Cost Estimates 12/2/2011.

Note: All park costs include estimates of a 15% Contingency and 13% Soft Costs.

Funding Strategy

Existing Fee Programs

The neighborhood/community park impact fee funds the neighborhood/community park improvements in Westbrook. **Table 9-3** creates an updated fee for the Westbrook project by allocating the total neighborhood/community park improvement costs on a per residential unit basis. The costs were spread to the different residential land uses based on the persons per household that vary by unit size. **Table 9-4** shows the neighborhood park revenue by Phase A and Buildout.

There will be two citywide park fees. One fee will be to fund citywide park construction and the other is an in-lieu fee because Westbrook has a shortfall in citywide land dedication. The fee was calculated by using the City's current construction portion of its fee and then allocating it across the housing units to create a tiered fee. Using this approach, the base fee and revenue estimate for park construction was determined to be \$2,515,122 and **Table 9-5** allocates that revenue across the units for the tiered rate.

The citywide land in-lieu fee has been established in accordance with City standards for in-lieu fees and will go towards citywide park improvements or citywide park land within the City. **Table 9-6** estimates the total cost of Westbrook's obligation for land dedication. The cost is then allocated across the residential units on a person per household basis to establish the fee in **Table 9-7**.

Table 9-8 shows the citywide park construction fee and citywide in-lieu fee revenues for Phase A and Buildout.

Table 9-3
Westbrook Financing Plan
Public Facilities Cost Allocation: Neighborhood/Community Park Costs (2011\$)

Item	Land Uses		Park Cost Allocation		
	Developable Acres	Units/ Sq. Ft.	Assigned Cost	per Acre	per Unit/ Sq. Ft.
<i>Formula</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D = C/A</i>	<i>E = C/B</i>
Residential					
Low Density	93.2	483	\$892,584	\$9,577	\$1,848
Low Density (Age-Restricted)	91.6	493	\$644,384	\$7,035	\$1,307
Medium Density	56.4	433	\$683,707	\$12,122	\$1,579
High Density	24.1	620	\$811,580	\$33,676	\$1,309
Subtotal Residential	265.3	2,029	\$3,032,255		
Nonresidential					
Community Commercial	24.5	266,805			
Subtotal Nonresidential	24.5	266,805			
Total Westbrook	289.8				

Table 9-4
Westbrook Financing Plan
Park Fee Revenue by Phase (Neighborhood/Community Park Component)

Item	Fee Per Unit	Revenue	
		Phase A	Buildout
Residential			
Low Density	\$1,848	\$728,112	\$892,584
Low Density (Age-Restricted)	\$1,307	\$0	\$644,384
Medium Density	\$1,579	\$241,587	\$683,707
High Density	\$1,309	\$0	\$811,580
Subtotal Residential		\$969,699	\$3,032,255
Nonresidential			
Community Commercial		\$0	\$0
Subtotal Nonresidential		\$0	\$0
Total Fee Program Revenue (Park)		\$969,699	\$3,032,255

Table 9-5 (previously 9-6)
Westbrook Financing Plan
Citywide Park Construction (2011\$)

Item	Land Uses		Citywide Park Cost Allocation		
	Developable Acres	Units/ Sq. Ft.	Assigned Cost	per Acre	per Unit/ Sq. Ft.
<i>Formula</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D = C/A</i>	<i>E = C/B</i>
Residential					
Low Density	93.2	483	\$742,854	\$7,971	\$1,538
Low Density (Age-Restricted)	91.6	493	\$527,506	\$5,759	\$1,070
Medium Density	56.4	433	\$568,962	\$10,088	\$1,314
High Density	24.1	620	\$675,800	\$28,041	\$1,090
Subtotal Residential	265.3	2,029	\$2,515,122		
Nonresidential					
Community Commercial	24.5	266,805			
Subtotal Nonresidential	24.5	266,805			
Total Westbrook	289.8				

Table 9-6 (previously 9-7)
Westbrook Financing Plan
Citywide Park Acre In-Lieu Fee

Item	Costs		
	Acres	Cost per Acre	Total
Citywide Park In-Lieu	14.6	\$135,000	\$1,971,000
Total			\$1,971,000

Table 9-7 (previously 9-8)
Westbrook Financing Plan
Citywide Park In-Lieu Fee (2011\$)

Item	Land Uses		Citywide Park In-Lieu Allocation		
	Developable Acres	Units/ Sq. Ft.	Assigned Cost	per Acre	per Unit/ Sq. Ft.
<i>Formula</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D = C/A</i>	<i>E = C/B</i>
Residential					
Low Density	93.2	483	\$582,498	\$6,250	\$1,206
Low Density (Age-Restricted)	91.6	493	\$413,032	\$4,509	\$838
Medium Density	56.4	433	\$445,990	\$7,908	\$1,030
High Density	24.1	620	\$529,480	\$21,970	\$854
Subtotal Residential	265.3	2,029	\$1,971,000		
Nonresidential					
Community Commercial	24.5	266,805			
Subtotal Nonresidential	24.5	266,805			
Total Westbrook	289.8				

Table 9-8 (previously 9-9)
Westbrook Financing Plan
Fee Revenue by Phase (Citywide Park Construction and In-Lieu)

Item	Fee Per Unit	Revenue	
		Phase A	Buildout
<u>CITYWIDE FEE - CONSTRUCTION</u>			
Residential			
Low Density	\$1,538	\$742,854	\$742,854
Low Density (Age-Restricted)	\$1,070	\$0	\$527,506
Medium Density	\$1,314	\$201,042	\$568,962
High Density	\$1,090	\$0	\$675,800
Subtotal Residential		\$943,896	\$2,515,122
Nonresidential			
Community Commercial	n/a	\$0	\$0
Subtotal Nonresidential		\$0	\$0
Total Fee Program Revenue (Construction)		\$943,896	\$2,515,122
<u>CITYWIDE PARK LAND FEE - IN-LIEU</u>			
Residential			
Low Density	\$1,206	\$475,164	\$582,498
Low Density (Age-Restricted)	\$838	\$0	\$413,032
Medium Density	\$1,030	\$157,590	\$445,990
High Density	\$854	\$0	\$529,480
Subtotal Residential		\$632,754	\$1,971,000
Nonresidential			
Community Commercial	n/a	\$0	\$0
Subtotal Nonresidential		\$0	\$0
Total Fee Program Revenue (In-Lieu)		\$632,754	\$1,971,000

Open Space In-Lieu

The Westbrook project is receiving a credit of 7.3 acres towards its 14.6 acre requirement for the 36.6 acres of open space that is to be dedicated. This leaves a dedication shortfall of 7.3 acres. An open space in-lieu fee is estimated in this report using the most recent appraisal done by the City for the Sierra Vista SP. The open space land is then estimated at 20% of the value of developable land the appraisal determined. **Table 9-9** shows the estimated in-lieu total for the shortfall of provided open space.

Table 9-10 creates a Westbrook project open space in-lieu fee by allocating the total value of the dedication shortfall across the different residential land uses based on the persons per household that vary by unit size. **Table 9-11** shows the open space in-lieu fee revenues for Phase A and Buildout.

Table 9-9 (previously 9-10)
Westbrook Financing Plan
Open Space Land In-Lieu Fee

Item	Costs		
	Acres	Cost per Acre [1]	Total
Open Space In-Lieu	7.3	\$27,000	\$197,100
Total			\$197,100

[1] Estimate based on Sierra Vista Appraisal and valued at 20% of developable land.

Table 9-10 (previously 9-11)
Westbrook Financing Plan
Open Space In-Lieu Fee (2011\$)

Item	Land Uses		Open Space In-Lieu Cost Allocation		
	Developable Acres	Units/ Sq. Ft.	Assigned Cost	per Acre	per Unit/ Sq. Ft.
<i>Formula</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D = C/A</i>	<i>E = C/B</i>
Residential					
Low Density	93.2	483	\$61,824	\$663	\$128
Low Density (Age-Restricted)	91.6	493	\$32,279	\$352	\$65
Medium Density	56.4	433	\$47,197	\$837	\$109
High Density	24.1	620	\$55,800	\$2,315	\$90
Subtotal Residential	265.3	2,029	\$197,100		
Nonresidential					
Community Commercial	24.5	266,805			
Subtotal Nonresidential	24.5	266,805			
Total Westbrook	289.8				

Table 9-11 (previously 9-12)
Westbrook Financing Plan
Fee Revenue by Phase (Open Space In-Lieu)

Item	Fee Per Unit	Revenue	
		Phase A	Buildout
Residential			
Low Density	\$128	\$50,432	\$61,824
Low Density (Age-Restricted)	\$65	\$0	\$32,279
Medium Density	\$109	\$16,677	\$47,197
High Density	\$90	\$0	\$55,800
Subtotal Residential		\$67,109	\$197,100
Nonresidential			
Community Commercial	n/a	\$0	\$0
Subtotal Nonresidential		\$0	\$0
Total Fee Program Revenue		\$67,109	\$197,100

Bike Trail Improvements

In the Westbrook project, the bike trail system is integrated within the open space parcel. The bike trail runs along the open space corridor. **Map 1-2** illustrates the proposed bike trail in the project.

Facility Costs

Table 9-12 shows the total estimated bike trail improvement costs. The bike trail costs are estimated at roughly \$98,800. The rough grading of the bike trail is the obligation of the adjacent parcel and will be completed with the grading of the parcel, either in its entirety or consistent with any proposed phasing of the parcel. The cost of the bike trail improvements include, but are not limited to, the following types of facilities:

- Bike Trail Entry Points
- Bike Trail and Shoulder
- Bike Trail Kiosks
- Post and Cable Fences

Detailed bike trail improvements and costs are provided by MacKay & Soms in a separate report.

Phasing

The development of Phase A would have no initial set of bike trail improvements.

Funding Strategy

Existing Fee Programs

The City's bike trail impact fee will fund the bike trail improvements throughout Westbrook and connect to adjacent developed bike trails. **Table 9-13** creates an updated fee for the Westbrook project by allocating the total bike trail improvement costs on a per residential unit basis. The costs were spread to the different residential land uses based on the persons per household factors that vary by unit size.

Table 9-14 shows the bike trail impact fee revenues for Phase A and Buildout. The developer will be responsible for grading the bike trail (with each phase of construction) and the City is responsible for construction the bike trails in the project. The City will construct the bike trails as funding is available.

Table 9-12 (previously 9-13)
Westbrook Financing Plan
Bike Trail Costs (2011\$)

Item	Phase A	Buildout
Bike Trail	\$0	\$98,784
Total		\$98,784

Source: MacKay & Soms, Park-Paseo-Trail Cost Estimates 8/8/2011

Note: All costs include estimates of a 20% Contingency and 20% Soft Costs.

Table 9-13 (previously 9-14)
Westbrook Financing Plan
Public Facilities Cost Allocation: Bike Trail Costs (2011\$)

Item	Land Uses		Bike Trail Cost Allocation		
	Developable Acres	Units/ Sq. Ft.	Assigned Cost	per Acre	per Unit/ Sq. Ft.
<i>Formula</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D = C/A</i>	<i>E = C/B</i>
Residential					
Low Density	93.2	483	\$27,531	\$295	\$57
Low Density (Age-Restricted)	91.6	493	\$25,236	\$276	\$51
Medium Density	56.4	433	\$21,217	\$376	\$49
High Density	24.1	620	\$24,800	\$1,029	\$40
Subtotal Residential	265.3	2,029	\$98,784		
Nonresidential					
Community Commercial	24.5	266,805			
Subtotal Nonresidential	24.5	266,805			
Total Westbrook	289.8				

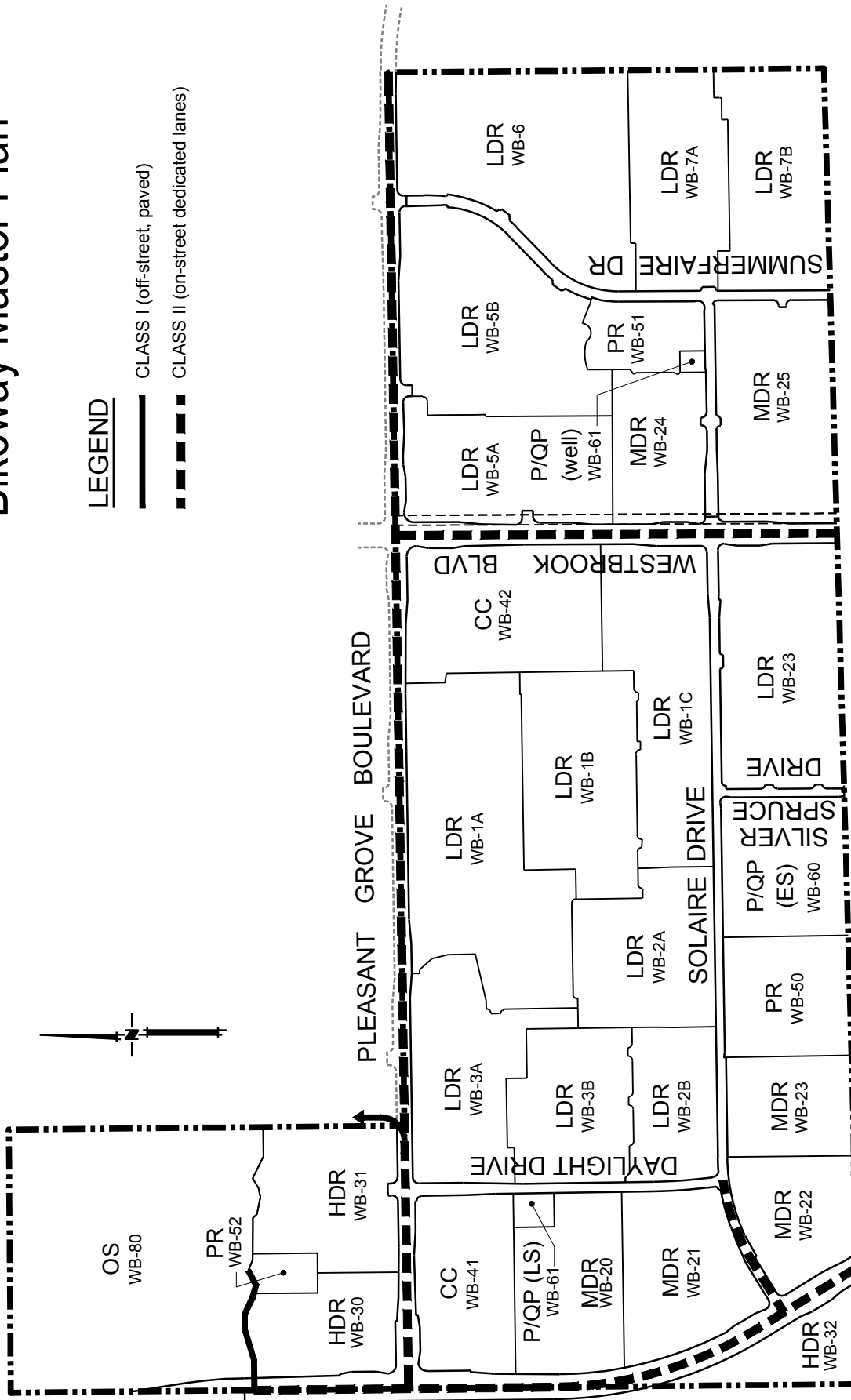
Table 9-14 (previously 9-15)
Westbrook Financing Plan
Bike Trail Revenue by Phase

Item	Fee Per Unit	Revenue	
		Phase A	Buildout
Residential			
Low Density	\$57	\$22,458	\$27,531
Low Density (Age-Restricted)	\$51	\$0	\$25,236
Medium Density	\$49	\$7,497	\$21,217
High Density	\$40	\$0	\$24,800
Subtotal Residential		\$29,955	\$98,784
Nonresidential			
Community Commercial	n/a	\$0	\$0
Subtotal Nonresidential		\$0	\$0
Total Fee Program Revenue (Park)		\$29,955	\$98,784

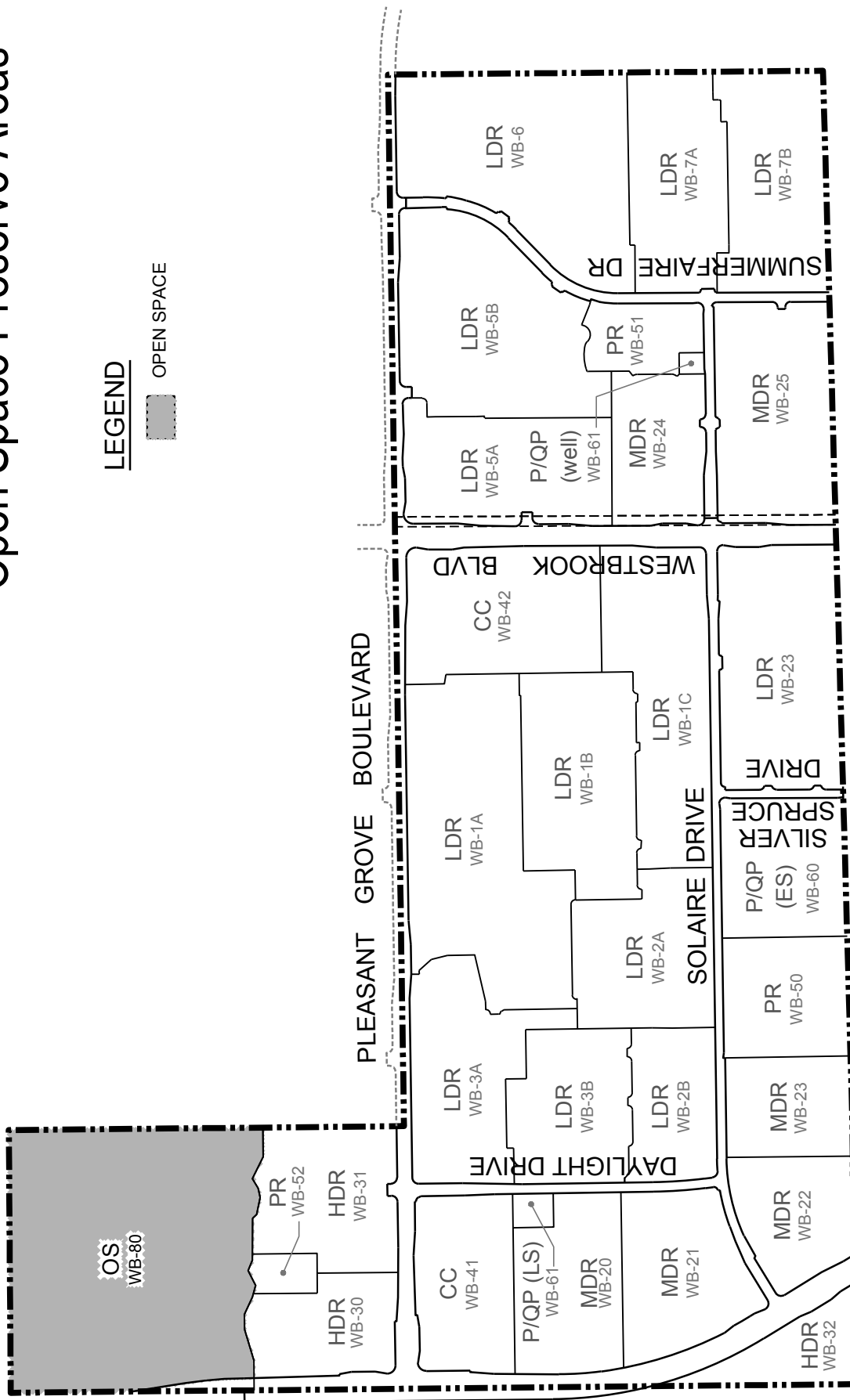
Paseo Improvements

The paseos in Westbrook will be funded and built by the developing parcel owner where the paseos are planned. The costs have not been included in this Financing Plan and will be built in accordance with a City approved Phasing plan.

Exhibit X Bikeway Master Plan



Open Space Preserve Areas



Westbrook Addition

PARCEL		SPECIFIC PLAN LAND USE		Specific Plan (amended)			WATER EDUs				SEWER EDUs		RECYCLED WATER EDUs		TRAFFIC EDUs		% of WB TRAFFIC EDUs	
				ACRES	UNITS	DENSITY		% of WB				% of WB						
WB-1/1A	LDR			22.5	87	3.9		87	5.54%		87	4.48%		87	5.54%	87	4.01%	
WB-1B	LDR			14.2	87	6.1		87	5.54%		87	4.48%		87	5.54%	87	4.01%	
WB-1C	LDR			14.8	85	5.7		85	5.42%		85	4.38%		85	5.42%	85	3.92%	
WB-2/2A	LDR			11.4	66	5.8		66	4.21%		66	3.40%		66	4.21%	66	3.04%	
WB-2B	LDR			6.9	35	5.1		35	2.23%		35	1.80%		35	2.23%	35	1.61%	
WB-3/3A	LDR			11.6	66	5.7		66	4.21%		66	3.40%		66	4.21%	66	3.04%	
WB-3B	LDR			10.2	67	6.6		67	4.27%		67	3.45%		67	4.27%	67	3.09%	
WB-4	LDR			16.0	89	5.6		89	5.67%		89	4.59%		89	5.67%	89	4.10%	
WB-5	LDR			30.5	157	5.1		157	10.01%		157	8.09%		157	10.01%	157	7.24%	
WB-6	LDR			21.6	103	4.8		103	6.56%		103	5.31%		103	6.56%	103	4.75%	
WB-7	LDR			25.1	134	5.3		134	8.54%		134	6.91%		134	8.54%	134	6.18%	
Low Density Residential							184.8	976	62%	5.3	976	50%	976	62%	976	45%		
WB-20	MDR			10.0	80	8.0		80	3.63%		80	4.12%		80	3.63%	80	3.69%	
WB-21	MDR			10.0	80	8.0		80	3.63%		80	4.12%		80	3.63%	80	3.69%	
WB-22	MDR			7.4	61	8.2		61	2.74%		61	3.14%		61	2.74%	61	2.81%	
WB-23	MDR			7.2	59	8.2		59	2.68%		59	3.04%		59	2.68%	59	2.72%	
WB-24	MDR			7.5	53	7.1		53	2.36%		53	2.73%		53	2.36%	53	2.44%	
WB-25	MDR			14.3	100	7.0		100	4.53%		100	5.15%		100	4.53%	100	4.61%	
Medium Density Residential							56.4	433.0	20%	7.7	433	22%	433	20%	433	20%		
WB-30	HDR			7.9	237	30.0		69	4.40%		162	8.35%		69	4.40%	146	6.73%	
WB-31	HDR			11.1	255	23.0		75	4.78%		174	8.97%		75	4.78%	158	7.28%	
WB-32	HDR			5.1	128	25.1		37	2.36%		87	4.48%		37	2.36%	79	3.64%	
WB-33	HDR			0.0				0	0.00%		0	0.00%		0	0.00%	0	0.00%	
High Density Residential							24.1	620	12%	30.0	423	22%	181	12%	383	18%		
WB-40	CC (CMU)			0.0				0	0.00%		0	0.00%		0	0.00%	0	0.00%	
WB-41	CC			10.0				43	2.74%		44	2.27%		43	2.74%	154	7.10%	
WB-42	CC			14.5				62	3.95%		64	3.30%		62	3.95%	224	10.32%	
WB-43	CC			0.0				0	0.00%		0	0.00%		0	0.00%	0	0.00%	
Community Commercial							24.5		7%		108	6%	105	7%	378	17%		
TOTAL							290	2,029	100%	7.0	1,940	100%	1,569	100%	2,170	100%		

Note:

- [1] LDR & MDR based on net acres
- [2] HDR based on gross acres
- [3] One Water EDU = 600 gpd (Based on Table 2-1 of the Westbrook Potable Water Master Plan, March 2011). LDR = 600 gpd/EDU, MDR = 430 gpd/EDU, HDR = 177 gpd/EDU, and CC = 2,598 gpd/acre
- [4] One Sewer EDU = 190 gpd (Based on Table 1 of the Westbrook Sanitary Sewer Master Plan, 24 Aug 2011). LDR = 190 gpd/EDU, MDR = 190 gpd/EDU, HDR = 130 gpd/EDU, and CC = 850 gpd/acre
- [5] One Water EDU = 600 gpd (Based on Table 2-1 of the Westbrook Potable Water Master Plan, March 2011). LDR = 600 gpd/EDU, MDR = 430 gpd/EDU, HDR = 177 gpd/EDU, and CC = 2,598 gpd/acre
- [6] Trip factor from City Traffic Mitigation Fee Study

ORDINANCE NO. 5682

ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE
REZONING CERTAIN REAL PROPERTY LOCATED IN THE WESTBROOK PHASE 2 AND
PHASE 3 PORTIONS OF THE SIERRA VISTA SPECIFIC PLAN

THE CITY OF ROSEVILLE ORDAINS:

SECTION 1. That certain real property within the City of Roseville located in the Westbrook Phase 2 and Phase 3 portions of the Sierra Vista Specific Plan as shown and so designated in Exhibit "H", attached and incorporated herein by reference, is hereby rezoned as shown on Exhibit "H."

SECTION 2. The proposed rezone is consistent with the public interest, health, safety, and welfare of the City.

SECTION 3. The proposed rezone is consistent with the General Plan and any applicable Specific Plan.

SECTION 4. This ordinance shall be effective at the expiration of thirty (30) days from the date of adoption.

SECTION 5. 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

PROPOSED ZONES

REZONE SUMMARY				
Project Name	Designation	Acres	Density	Units
West 1A	R/S (Aerial)	7.75	40	87
West 1B	R/S (Aerial)	1.00	40	16
West 1C	R/S (Aerial)	1.00	40	16
West 1D	R/S (Aerial)	1.00	40	16
West 1E	R/S (Aerial)	1.00	40	16
West 1F	R/S (Aerial)	1.00	40	16
West 1G	R/S (Aerial)	1.00	40	16
West 1H	R/S (Aerial)	1.00	40	16
West 1I	R/S (Aerial)	1.00	40	16
West 1J	R/S (Aerial)	1.00	40	16
West 1K	R/S (Aerial)	1.00	40	16
West 1L	R/S (Aerial)	1.00	40	16
West 1M	R/S (Aerial)	1.00	40	16
West 1N	R/S (Aerial)	1.00	40	16
West 1O	R/S (Aerial)	1.00	40	16
West 1P	R/S (Aerial)	1.00	40	16
West 1Q	R/S (Aerial)	1.00	40	16
West 1R	R/S (Aerial)	1.00	40	16
West 1S	R/S (Aerial)	1.00	40	16
West 1T	R/S (Aerial)	1.00	40	16
West 1U	R/S (Aerial)	1.00	40	16
West 1V	R/S (Aerial)	1.00	40	16
West 1W	R/S (Aerial)	1.00	40	16
West 1X	R/S (Aerial)	1.00	40	16
West 1Y	R/S (Aerial)	1.00	40	16
West 1Z	R/S (Aerial)	1.00	40	16
West 2A	R/S (Aerial)	1.00	40	16
West 2B	R/S (Aerial)	1.00	40	16
West 2C	R/S (Aerial)	1.00	40	16
West 2D	R/S (Aerial)	1.00	40	16
West 2E	R/S (Aerial)	1.00	40	16
West 2F	R/S (Aerial)	1.00	40	16
West 2G	R/S (Aerial)	1.00	40	16
West 2H	R/S (Aerial)	1.00	40	16
West 2I	R/S (Aerial)	1.00	40	16
West 2J	R/S (Aerial)	1.00	40	16
West 2K	R/S (Aerial)	1.00	40	16
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West 3A	R/S (Aerial)	1.00	40	16
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West 3Z	R/S (Aerial)	1.00	40	16
West 4A	R/S (Aerial)	1.00	40	16
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West 8A	R/S (Aerial)	1.00	40	16
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West 8Z	R/S (Aerial)	1.00	40	16
West 9A	R/S (Aerial)	1.00	40	16
West 9B	R/S (Aerial)	1.00	40	16
West 9C	R/S (Aerial)	1.00	40	16
West 9D	R/S (Aerial)	1.00	40	16
West 9E	R/S (Aerial)	1.00	40	16
West 9F	R/S (Aerial)	1.00	40	16
West 9G	R/S (Aerial)	1.00	40	16
West 9H	R/S (Aerial)	1.00	40	16
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West 9S	R/S (Aerial)	1.00	40	16
West 9T	R/S (Aerial)	1.00	40	16
West 9U	R/S (Aerial)	1.00	40	16
West 9V	R/S (Aerial)	1.00	40	16
West 9W	R/S (Aerial)	1.00	40	16
West 9X	R/S (Aerial)	1.00	40	16
West 9Y	R/S (Aerial)	1.00	40	16
West 9Z	R/S (Aerial)	1.00	40	16
West 10A	R/S (Aerial)	1.00	40	16
West 10B	R/S (Aerial)	1.00	40	16
West 10C	R/S (Aerial)	1.00	40	16
West 10D	R/S (Aerial)	1.00	40	16
West 10E	R/S (Aerial)	1.00	40	16
West 10F	R/S (Aerial)	1.00	40	16
West 10G	R/S (Aerial)	1.00	40	16
West 10H	R/S (Aerial)	1.00	40	16
West 10I	R/S (Aerial)	1.00	40	16
West 10J	R/S (Aerial)	1.00	40	16
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West 10M	R/S (Aerial)	1.00	40	16
West 10N	R/S (Aerial)	1.00	40	16
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West 10Q	R/S (Aerial)	1.00	40	16
West 10R	R/S (Aerial)	1.00	40	16
West 10S	R/S (Aerial)	1.00	40	16
West 10T	R/S (Aerial)	1.00	40	16
West 10U	R/S (Aerial)	1.00	40	16
West 10V	R/S (Aerial)	1.00	40	16
West 10W	R/S (Aerial)	1.00	40	16
West 10X	R/S (Aerial)	1.00	40	16
West 10Y	R/S (Aerial)	1.00	40	16
West 10Z	R/S (Aerial)	1.00	40	16
West 11A	R/S (Aerial)	1.00	40	16
West 11B	R/S (Aerial)	1.00	40	16
West 11C	R/S (Aerial)	1.00	40	16
West 11D	R/S (Aerial)	1.00	40	16
West 11E	R/S (Aerial)	1.00	40	16
West 11F	R/S (Aerial)	1.00	40	16
West 11G	R/S (Aerial)	1.00	40	16
West 11H	R/S (Aerial)	1.00	40	16
West 11I	R/S (Aerial)	1.00	40	16
West 11J	R/S (Aerial)	1.00	40	16
West 11K	R/S (Aerial)	1.00	40	16
West 11L	R/S (Aerial)	1.00	40	16
West 11M	R/S (Aerial)	1.00	40	16
West				

REZONE EXHIBIT

March 4, 2016

[illegible]

Sheet 1 of 1



COUNCIL COMMUNICATION

CC #: 7628
File #: 0600-02

Title: Out-of-State Travel Request - City Manager's Office
Contact: Mark Wolinski 916-774-5179 mwolinski@roseville.ca.us

Meeting Date: 5/4/2016
Item #: 7.28.

RECOMMENDATION TO COUNCIL

Staff recommends the City Council approve out-of-state travel for the Mayor and Government Relations Administrator, Mark Wolinski to participate in the U.S. Conference of Mayors 84th Annual Conference in Indianapolis, IN on June 24-27, 2016.

BACKGROUND

The US Conference of Mayors 84th annual four-day meeting provides an exceptional program focusing on an array of critical issues for cities across the nation. The conference affords Mayors and staff with the opportunity to voice their opinions and set the organizations agenda on issues such as water, economic development, housing, public safety and energy. In addition, the conference provides workshops on best practices including program development, funding and implementation. Last year, nearly 400 mayors and staff from across the country attended the conference producing dozens of policy papers from 18 issue-specific teams that set the priority issues the organization would advocate on to members of Congress, the Obama Administration and other federal agencies.

With increased activities on legislation, policy and regulatory matters at the federal level, participation in this conference enhances the opportunity for the City to have its concerns heard and to partner with other cities to have a stronger voice on critical issues at the national level. The effects of federal legislation, policies and regulations continue to have significant implications to Roseville and other municipalities. Having the opportunity to set the legislative agenda for this major national organization can ultimately provide a lasting benefit for the City. For additional conference details please visit: <http://www.usmayors.org/meetings/>

No budget adjustment is necessary for this action.

FISCAL IMPACT

The estimated cost for travel and conference attendance for two is \$6,000. Funds are available in the City Council and City Manager's budgets for fiscal year 2015-16 to cover the costs for the

Mayor and Government Relations Administrator to attend the conference.

ECONOMIC DEVELOPMENT / JOBS CREATED

N/A

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 (CEQA Guidelines §15061 (b) (3)). Stating policy priorities does not include the potential for a significant environmental effect, and therefore is not subject to CEQA.

Respectfully Submitted,

Mark Wolinski, Government Relations Administrator

Megan MacPherson, Public Affairs & Communications Director



Rob Jensen, City Manager



COUNCIL COMMUNICATION

CC #: 7636
File #: 0201-02

Title: Single Audit Report for Fiscal Year Ended June 30, 2015
Contact: Jacquelyn Flickinger 916-774-5516 jflickinger@roseville.ca.us

Meeting Date: 5/4/2016
Item #: 7.29.

RECOMMENDATION TO COUNCIL

This communication is for City Council information only and no formal action is required.

BACKGROUND

The Finance Department has prepared the Single Audit Report and audited by the City's auditing firm of Vavrinek, Trine, Day & CO., LLP (VTD) which includes the Memorandum on Internal Control and Required Communications. The audit is conducted in accordance with auditing standards generally accepted in the United States of America, the standards applicable to financial audits contained in Government Auditing Standards, and OMB Circular A-133.

The financial audit received an unmodified (clean) opinion, however there were two significant deficiencies reported on the financial audit and three significant deficiencies in internal control reported on the major programs tested in the Single Audit.

A *deficiency* in internal control exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Finding 2015-001: Authorization of Procurement Cards

Significant Deficiency - During our testing performed over the cash disbursements transaction cycle, VTD noted one instance in which a City employee was in possession of a procurement card without documentation of proper authorization.

City Response: Management concurs there was missing documentation for this particular procurement card. In this case, there was an email request but the form had not been submitted. The Purchasing Department will require the authorization form for every new or change request of a procurement card. The cards will not be released until the documentation is properly authorized and received in Purchasing.

Finding 2015-002: Segregation of Duties over Utility Billing

Significant Deficiency - During the course of our audit, it was observed that each of the five billing specialists in the utility billing department were able to change the utility rates on the master rate schedule which are input by the IT department. Additionally, these billing specialist are able to issue credits, assign additional charges, and make adjustments to customer bills after they have been generated, and there is no documentation of a review performed over these changes.

City Response: Management partially concurs with the finding; there were reviews/authorizations by Management of the adjustments in question but were not kept in hard-copy form. In August 2015, the City updated the policies and procedures to include the retention of the adjustment review and approvals. In addition, on a monthly basis, the master rates table is audited for any changes. These reviews are completed by the Utility Billing Manager and/or Finance Supervisor.

Finding 2015-003: Section 8 Housing Choice Vouchers

Significant Deficiency, Instance of Non-Compliance - Based on inquiries and discussion with City management and employees, it was noted that the City has not entered into a depository agreement with its current banking institution.

City Response: Management concurs with the finding. The City will ensure to include the federal funds requirement in the documentation for future banking needs.

Finding 2015-004: Home Investment Partnerships Program

Significant Deficiency, Instance of Non-Compliance - For each draw down tested, we noted that the City was requesting reimbursement for the maximum allowable percentage of activity delivery costs instead of basing the reimbursement on actual costs incurred. Based on the information in the "HOME FTHB/Rehab Loan Funding Breakdown" the City claimed \$22,190 in ADC, of which, \$5,439 was program income.

City Response: Management concurs with the finding. Procedures will be put in place to ensure the actual costs are properly recorded for reimbursement.

Finding 2015-005: Home Investment Partnerships Program

Significant Deficiency, Instance of Non-Compliance - VTD noted that \$24,643 in program expenditures reported were incurred after the period of performance identified in the grant agreement.

City Response: Management concurs with the finding. This has been communicated with staff responsible for the programs to follow the grant period to ensure the proper recording of expenditures.

Although findings were identified by VTD, this is not abnormal given the complexity and activity of the City and staff continues to improve processes and internal controls where appropriate. The Single Audit Report (OMB Circular A-133) for fiscal year ending June 30, 2015 is attached for review.

FISCAL IMPACT

There will be no fiscal impact to the City's General Fund.

ECONOMIC DEVELOPMENT / JOBS CREATED

No jobs will be created by this informational report.

ENVIRONMENTAL REVIEW

This report is not considered a project defined by 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 (CEQA Guidelines 15061(b) (3).

Respectfully Submitted,

Jacquelyn Flickinger, Accounting Supervisor

Monty Hanks, Finance Director



Rob Jensen, City Manager

ATTACHMENTS:

Description

Single Audit Report

CITY OF ROSEVILLE, CALIFORNIA

**SINGLE AUDIT REPORT
(OMB Circular A-133)**

**FISCAL YEAR ENDED
JUNE 30, 2015**

CITY OF ROSEVILLE, CALIFORNIA

**SINGLE AUDIT REPORT
FISCAL YEAR ENDED JUNE 30, 2015**

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**INDEPENDENT AUDITORS' REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING
AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT
OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE
WITH GOVERNMENT AUDITING STANDARDS**

To the Honorable Mayor and
Members of the City Council
Roseville, California

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the governmental activities, the business-type activities, each major fund, and the aggregate remaining fund information of the City of Roseville (City), as of and for the year ended June 30, 2015, and the related notes to the financial statements, which collectively comprise the City's basic financial statements and have issued our report thereon dated December 31, 2015. Our report includes an emphasis of matter paragraph regarding the City's adoption of Governmental Accounting Standards Board (GASB) Statement No. 68, *Accounting and Reporting for Pensions – an Amendment of GASB Statement No. 27*, and Statement No. 71, *Pension Transition for Contributions Made Subsequent to the Measurement Date – an amendment of GASB Statement No. 68*, effective July 1, 2014.

Internal Control over Financial Reporting

In planning and performing our audit of the financial statements, we considered the City's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the City's internal control. Accordingly, we do not express an opinion on the effectiveness of the City's internal control.

A *deficiency* in internal control exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies and therefore, material weaknesses or significant deficiencies may exist that were not identified. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. We did identify certain deficiencies in internal control, described in the accompanying schedule of findings and questioned costs, identified as findings 2015-001 and 2015-002, that we consider to be significant deficiencies.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the City's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

The City of Roseville's Responses to Findings

The City's responses to the findings identified in our audit are described in the accompanying schedule of findings and questioned costs. The City's responses were not subjected to the auditing procedures applied in the audit of the financial statements and, accordingly, we express no opinion on them.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.



Sacramento, California

March 28, 2016



INDEPENDENT AUDITORS' REPORT ON COMPLIANCE FOR EACH MAJOR FEDERAL PROGRAM; REPORT ON INTERNAL CONTROL OVER COMPLIANCE; AND REPORT ON THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS REQUIRED BY OMB CIRCULAR A-133

To the Honorable Mayor and
Members of the City Council
Roseville, California

Report on Compliance for Each Major Federal Program

We have audited the City of Roseville's (City) compliance with the types of compliance requirements described in the *OMB Circular A-133 Compliance Supplement* that could have a direct and material effect on each of the City's major federal programs for the year ended June 30, 2015. The City's major federal programs are identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs.

Management's Responsibility

Management is responsible for compliance with the requirements of federal statutes, regulations, and the terms and conditions of its federal awards applicable to its federal programs.

Auditors' Responsibility

Our responsibility is to express an opinion on compliance for each of the City's major federal programs based on our audit of the types of compliance requirements referred to above. We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; and OMB Circular A-133, *Audits of States, Local Governments, and Non-Profit Organizations*. Those standards and OMB Circular A-133 require that we plan and perform the audit to obtain reasonable assurance about whether noncompliance with the types of compliance requirements referred to above that could have a direct and material effect on a major federal program occurred. An audit includes examining, on a test basis, evidence about the City's compliance with those requirements and performing such other procedures as we considered necessary in the circumstances.

We believe that our audit provides a reasonable basis for our opinion on compliance for each major federal program. However, our audit does not provide a legal determination of the City's compliance.

Opinion on Each Major Federal Program

In our opinion, the City complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2015.

Other Matters

The results of our auditing procedures disclosed instances of noncompliance, which are required to be reported in accordance with OMB Circular A-133 and which are described in the accompanying schedule of findings and questioned costs as items 2015-003, 2015-004 and 2015-005. Our opinion on each major federal program is not modified with respect to these matters.

The City's responses to the noncompliance findings identified in our audit are described in the accompanying schedule of findings and questioned costs. The City's responses were not subjected to the auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the responses.

Report on Internal Control over Compliance

Management of the City is responsible for establishing and maintaining effective internal control over compliance with the types of compliance requirements referred to above. In planning and performing our audit of compliance, we considered the City's internal control over compliance with the types of requirements that could have a direct and material effect on each major federal program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing an opinion on compliance for each major federal program and to test and report on internal control over compliance in accordance with the Uniform Guidance, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of the City's internal control over compliance.

A deficiency in internal control over compliance exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a federal program on a timely basis. *A material weakness in internal control over compliance* is a deficiency, or combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis. *A significant deficiency in internal control over compliance* is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance.

Our consideration of internal control over compliance was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies and therefore, material weaknesses or significant deficiencies may exist that were not identified. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses. However, we identified certain deficiencies in internal control over compliance, as described in the accompanying schedule of findings and questioned costs as items 2015-003, 2015-004 and 2015-005 that we consider to be significant deficiencies.

The City's responses to the internal control over compliance findings identified in our audit are described in the accompanying schedule of findings and questioned costs. The City's responses were not subjected to the auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the responses.

The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of OMB Circular A-133. Accordingly, this report is not suitable for any other purpose.

Report on Schedule of Expenditures of Federal Awards Required by OMB Circular A-133

We have audited the financial statements of the governmental activities, the business-type activities, each major fund, and the aggregate remaining fund information of the City as of and for the year ended June 30, 2015, and the related notes to the financial statements, which collectively comprise the City's basic financial statements. We issued our report thereon dated December 31, 2015, which contained unmodified opinions on those financial statements. Our report included an emphasis-of-matter paragraph regarding the City's adoption of Governmental Accounting Standards Board (GASB) Statements No. 68, *Accounting and Financial Reporting for Pensions – an amendment of GASB Statement No. 27*, and No. 71, *Pension Transition for Contributions Made Subsequent to the Measurement Date – an amendment of GASB Statement No. 68*, effective July 1, 2014. Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the basic financial statements. The accompanying schedule of expenditures of federal awards is presented for the purposes of additional analysis as required by OMB Circular A-133, and is not a required part of the financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. The information has been subjected to the auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the schedule of expenditures of federal awards is fairly stated in all material respects in relation to the basic financial statements as a whole.



Sacramento, California
March 28, 2016

CITY OF ROSEVILLE, CALIFORNIA

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
FOR THE YEAR ENDED JUNE 30, 2015**

Federal Grantor/ Pass-Through Grantor/Program or Cluster Title	CFDA Number	Grant or Pass-Through Identifying Number	Federal Expenditures
<u>U. S. Department of Housing and Urban Development</u>			
<i>Direct Programs</i>			
Section 8 Housing Choice Vouchers	14.871	CA128	\$ 4,636,474
Community Development Block Grants	14.218	B-14-MC-06-0063	426,519
<i>Passed through the California Department of Housing and Community Development</i>			
Home Investment Partnerships Program	14.239	11-HOME-7531	279,031
			5,342,024
<u>U. S. Department of Health and Human Services</u>			
<i>Passed through the California Department of Education</i>			
Child Care and Development Block Grant	93.575	15136-2191	42,962
Child Care Mandatory and Matching Funds of the Child Care and Development Fund	93.596	13609-2191	78,087
			121,049
<u>U. S. Department of Justice</u>			
<i>Direct Programs</i>			
Edward Byrne Justice Assistance Grant FY14	16.738	2014-DJ-BX-0508	23,907
			23,907
<u>U. S. Department of Transportation</u>			
<i>Direct Programs</i>			
Federal Transit Formula Grants			
Universal Fare Technology	20.507	CA 90-Y593	79,867
Section 5307 Capital Assistance Grant	20.507	CA 90-Y492	33,228
Preventive Maintenance & Bus Purchase	20.507	CA-90-Y773	139,957
<i>Passed through the California Department of Transportation</i>			
Highway Planning and Construction			
Dry Creek Greenwy Comm Plan/Outr	20.205	CML-5182(058)	163,803
Industrial Ave Bridge Replacement	20.205	BRL0-5182(056)	315,733
Oak St Ext-Miners Ravine Trail	20.205	CML-5182(063)	194,580
Oakridge Bridge Replacement	20.205	BRLO-5182(057)	171,367
Oak/Washington Roundabout	20.205	CML-5182(067)	1,518,117
Safe Route to School Cycle 3	20.205	SRTSLNI-5182(064)	52,442
State Community and Highway Safety			
Selective Traffic Enforcement Program	20.600	PT15113	49,387

See accompanying notes to the Schedule of Expenditures of Federal Awards.

CITY OF ROSEVILLE, CALIFORNIA

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
FOR THE YEAR ENDED JUNE 30, 2015**

Federal Grantor/ Pass-Through Grantor/Program or Cluster Title	CFDA Number	Grant or Pass-Through Identifying Number	Federal Expenditures
<i>Passed through the Sacramento Area Council of Governments</i>			
Job Access and Reverse Commute Program			
Route B Headways	20.516	CA 37-X161	\$ 146,714
Weekday Extended Service	20.516	CA 37-X200	92,920
<i>Passed through the Placer County Transportation Planning Agency</i>			
Highway Planning and Construction			
Education and Outreach for Alternative Transportation	20.205	CML 6158(066)	35,875
<i>Passed through the Auburn Police Department</i>			
Minimum Penalties for Repeat Offenders for Driving While Intoxicated			
Avoid DUI Campaign	20.608	AL1557	5,974
			2,999,964
<u>Department of Homeland Security</u>			
<i>Direct Programs</i>			
Federal Emergency Management Agency			
Staffing for Adequate Fire and Emergency Response	97.083	EMW-2011-FH-00628	658,181
<i>Passed through the County of Placer</i>			
Fire Management Assistance Grant			
Applegate Fire	97.046	FEMA-FM-5082-CA	13,340
Homeland Security Grant 2013	97.067	2013-0110	3,801
Homeland Security Grant 2014	97.067	HM-HMP-0422-14-01-00	549
<i>Passed through the El Dorado Sheriff Department</i>			
Fire Management Assistance Grant			
Mutual Aid King Fire	97.046	FEMA-FM-5081-CA	6,299
			682,170
TOTAL			\$ 9,169,114

See accompanying notes to the Schedule of Expenditures of Federal Awards.

CITY OF ROSEVILLE, CALIFORNIA

**NOTE TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
FOR THE YEAR ENDED JUNE 30, 2015**

NOTE 1 – REPORTING ENTITY

The accompanying Schedule of Expenditures of Federal Awards (Schedule) presents expenditures of federal awards for the City of Roseville, California. The City's reporting entity is defined in Note 1A to the City's basic financial statements.

NOTE 2 – BASIS OF ACCOUNTING

Basis of accounting refers to when revenues and expenditures or expenses are recognized in the accounts and reported in the financial statements, regardless of the measurement focus applied. All governmental funds and agency funds are accounted for using the modified accrual basis of accounting. All proprietary funds are accounted for using the accrual basis of accounting. Expenditures of federal awards reported on the Schedule are recognized when incurred.

NOTE 3 – DIRECT AND INDIRECT (PASS-THROUGH) FEDERAL AWARDS

Federal awards may be granted directly to the City by a federal agency or may be granted to other government agencies which pass-through federal awards to the City. The Schedule includes both of these types of Federal award programs when they occur.

NOTE 4 – AMOUNTS PROVIDED TO SUBRECIPIENTS

Of the federal expenditures presented in the accompanying Schedule, the City provided Federal awards to subrecipients as follows:

Federal Grantor / Pass-Through Grantor / Program Title	Federal CFDA Number	Federal Expenditures	Amounts Passed to Subrecipients
Community Development Block Grant	14.218	\$ 426,519	\$ 86,000

CITY OF ROSEVILLE, CALIFORNIA

**SCHEDULE OF FINDINGS AND QUESTIONED COSTS
FOR THE YEAR ENDED JUNE 30, 2015**

I. SUMMARY OF AUDITORS' RESULTS

FINANCIAL STATEMENTS

Type of auditors' report issued:	<u>Unmodified</u>
Internal control over financial reporting	
Material weakness identified?	<u>No</u>
Significant deficiencies identified?	<u>Yes</u>
Noncompliance material to financial statements noted?	<u>No</u>

FEDERAL AWARDS

Internal control over major federal programs:	
Material weakness identified?	<u>No</u>
Significant deficiencies identified?	<u>Yes</u>
Type of auditors' report issued on compliance for major federal programs:	<u>Unmodified</u>

Any audit findings disclosed that are required to be reported in accordance with 510(a) of OMB Circular A-133?	<u>Yes</u>
--	------------

Identification of major federal programs:

<u>CFDA Number</u>	<u>Name of Federal Program or Cluster</u>
<u>14.218</u>	<u>Community Development Block Grants</u>
<u>14.239</u>	<u>Home Investment Partnerships Program</u>
<u>14.871</u>	<u>Section 8 Housing Choice Vouchers</u>

Dollar threshold used to distinguish between Type A and Type B programs:	<u>\$ 300,000</u>
Auditee qualified as low-risk auditee?	<u>Yes</u>

CITY OF ROSEVILLE, CALIFORNIA

**SCHEDULE OF FINDINGS AND QUESTIONED COSTS
FOR THE YEAR ENDED JUNE 30, 2015**

II. FINANCIAL STATEMENT FINDINGS

FINDING 2015-001

AUTHORIZATION OF PROCUREMENT CARDS

Criteria:

Internal controls should be implemented and followed to ensure that only authorized personnel are issued procurement cards.

Condition Found:

Significant Deficiency – During our testing performed over the cash disbursements transaction cycle, VTD noted one instance in which a City employee was in possession of a procurement card without documentation of proper authorization.

Context:

The condition above was identified during our consideration of the City's design and implementation of internal controls over the City's cash disbursements process.

Effect:

City personnel may be able to obtain a procurement card and make purchases without proper authorization.

Cause:

The City is not following its adopted policies and procedures which require the completion of a "Request for New Card" form which must be signed by the supervisor and department head of the employee being issued the procurement card.

Recommendation:

It is recommended that the City follow its adopted procedures to ensure that all City personnel who have possession of a City procurement card be properly authorized and have documentation of that authorization on a completed "Request for New Card" form.

View of Responsible Officials and Planned Corrective Actions:

Management concurs there was missing documentation for this particular procurement card. In this case, there was an email request but the form had not been submitted. The Purchasing Department will require the authorization form for every new or change request of a procurement card. The cards will not be released until the documentation is properly authorized and received in Purchasing.

CITY OF ROSEVILLE, CALIFORNIA

**SCHEDULE OF FINDINGS AND QUESTIONED COSTS
FOR THE YEAR ENDED JUNE 30, 2015**

II. FINANCIAL STATEMENT FINDINGS

FINDING 2015-002

SEGREGATION OF DUTIES OVER UTILITY BILLING

Criteria:

Internal controls should be adopted to ensure that no individual is able to both initiate and approve transactions in the utility billing system to ensure proper segregation of duties to prevent or detect and correct material misstatement due to error or fraud on a timely basis.

Condition Found:

Significant Deficiency - During the course of our audit, it was observed that each of the five billing specialists in the utility billing department were able to change the utility rates on the master rate schedule which are input by the IT department. Additionally, these billing specialists are able to issue credits, assign additional charges, and make adjustments to customer bills after they have been generated, and there is no documentation of a review performed over these changes.

Context:

The condition noted above was identified during our consideration of the design and implementation of internal controls over the utility billing system.

Effect:

Utility billing specialists may be able to modify billing rates in the master rate schedule or modify customer bills without proper authorization.

Cause:

Internal controls were not implemented to ensure that changes made to the master rate schedule or to customer utility bills are either authorized or reviewed by someone other than the utility billing specialist who initiated the change.

Recommendation:

It is recommended that the City implement policies and procedures to ensure that proper segregation of duties exist over the utility billing system, and that all changes made to the master rate schedule and to customer bills are properly authorized.

View of Responsible Officials and Planned Corrective Actions:

Management partially concurs with the finding – there were reviews/authorizations by Management of the adjustments in question but were not kept in hard-copy form. In August 2015, the City updated the policies and procedures to include the retention of the adjustment review and approvals. In addition, on a monthly basis, the master rates table is audited for any changes. These reviews are completed by the Utility Billing Manager and/or Finance Supervisor. Also, the City is currently working on moving to a new Utility Billing system, scheduled to go live in September 2016. This new system has built in security and approval options the city will be taking full advantage of, enhancing our policies and procedures.

CITY OF ROSEVILLE, CALIFORNIA

**SCHEDULE OF FINDINGS AND QUESTIONED COSTS
FOR THE YEAR ENDED JUNE 30, 2015**

III. FEDERAL AWARDS FINDINGS AND QUESTIONED COSTS

FINDING 2015-003

Program: Section 8 Housing Choice Vouchers

CFDA No.: 14.871

Federal Agency: U.S. Department of Housing and Urban Development

Passed-through: N/A

Award Year: 2014-2015

Compliance Requirement: Special Tests and Provisions

Criteria:

The *June 2015 OMB A-133 Compliance Supplement*, PHAs are required to enter into depository agreements with their financial institutions in the form required by HUD. The agreements serve as safeguards for Federal funds and provide third-party rights to HUD. Among the terms in many agreements are requirements for funds to be placed in an interest-bearing account (24 CFR section 982.156).

Condition Found:

Significant Deficiency, Instance of Non-Compliance – Based on inquiries and discussion with City management and employees, it was noted that the City has not entered into a depository agreement with its current banking institution.

Questioned Costs:

None

Context:

The condition noted above was identified during our testing over special tests and provisions compliance requirements as identified in the *June 2015 OMB A-133 Compliance Supplement*.

Effect:

The City may not be properly safeguarding federal funds received from the U. S. Department of Housing and Urban Development.

Cause:

The City does not have procedures in place to ensure that depository agreements are in place with all of its banking partners.

Recommendation:

It is recommended that the City adopt procedures to ensure that all banking relationships are supported by depository agreements to ensure that federal funds are properly safeguarded and that third-party rights are properly provided to HUD.

Views of Responsible Officials and Planned Corrective Actions:

Management concurs with the finding. The City will ensure to include the federal funds requirement in the documentation for future banking needs.

CITY OF ROSEVILLE, CALIFORNIA

**SCHEDULE OF FINDINGS AND QUESTIONED COSTS
FOR THE YEAR ENDED JUNE 30, 2015**

III. FEDERAL AWARDS FINDINGS AND QUESTIONED COSTS

FINDING 2015-004

Program: Home Investment Partnerships Program

CFDA No.: 14.239

Federal Agency: U.S. Department of Housing and Urban Development

Passed-through: California Department of Housing and Community Development

Award Year: 2014-2015

Compliance Requirement: Cash Management

Criteria:

Part 5 of Exhibit A of the grant agreement between the City of Roseville and the California Department of Housing and Community Development, agreement 11-HOME-7531, indicates that:

HOME recipients shall report the amount of Activity funds used for Activity Delivery Costs (ADC) on the HOME Set-up and Completion Reports. The HOME recipient must request ADC in proportion to the amount of Activity funds being drawn down. The maximum amount ADC that may be drawn down for each specific activity is:

- A. Up to 24% of the HOME loan/grant amount for Owner-Occupied Rehabilitation (OOR).
- B. Up to 6.5% of the HOME loan/grant amount for First-Time Homebuyer (FTHB) activities, including rehabilitation;
- C. Up to 6.5% of the HOME Construction loan amount for FTHB activities involving in-fill construction;
- D. Ineligible for Tenant Based Rental Assistance.

The total amount of ADC drawn down during the entire contract term must be for actual costs incurred according to OMB Circulars A-87 and A-122 and have documentation in each project file.

Condition Found:

Significant Deficiency, Instance of Non-Compliance – For each draw down tested, we noted that the City was requesting reimbursement for the maximum allowable percentage of activity delivery costs instead of basing the reimbursement on actual costs incurred. Based on the information in the “HOME FTHB/Rehab Loan Funding Breakdown” the City claimed \$22,190 in ADC, of which, \$5,439 was program income.

Questioned Costs:

\$16,751, which is the total activity delivery costs claimed less the amount mentioned above which represents program income.

Context:

The condition noted above was identified during our testing of cash management compliance requirements.

Effect:

The City may have drawn down HOME funds in excess of actual administrative costs incurred related to the funding of certain first-time homebuyer and rehab loans.

CITY OF ROSEVILLE, CALIFORNIA

SCHEDULE OF FINDINGS AND QUESTIONED COSTS FOR THE YEAR ENDED JUNE 30, 2015

III. FEDERAL AWARDS FINDINGS AND QUESTIONED COSTS

Cause:

The City does not have procedures in place to ensure that actual administrative costs by project to ensure that only actual costs up to the allowable percentage are requested for reimbursement.

Recommendation:

It is recommended that the City develop procedures to ensure that actual administrative costs related to the funding of first-time homebuyer and rehabilitation loans are tracked in a manner which would allow for only actual costs incurred to be requested for reimbursement.

Views of Responsible Officials and Planned Corrective Actions:

Management concurs with the finding. Procedures will be put in place to ensure the actual costs are properly recorded for reimbursement.

FINDING 2015-005

Program: Home Investment Partnerships Program

CFDA No.: 14.239

Federal Agency: U.S. Department of Housing and Urban Development

Passed-through: California Department of Housing and Community Development

Award Year: 2014-2015

Compliance Requirement: Period of Availability

Criteria:

Part 3 of Exhibit A of the grant agreement between the City of Roseville and the California Department of Housing and Community Development, agreement 11-HOME-7531, indicates that all program funds must be expended by December 31, 2014.

Condition Found:

Significant Deficiency, Instance of Non-Compliance – VTD noted that \$24,643 in program expenditures reported were incurred after the period of performance identified in the grant agreement.

Questioned Costs:

None

Context:

The condition noted above was identified during our testing of period of availability compliance requirements.

Effect:

The City over-reported program expenditures on the SEFA. The SEFA was adjusted to omit the expenditures which were incurred after the period of availability had elapsed.

CITY OF ROSEVILLE, CALIFORNIA

**SCHEDULE OF FINDINGS AND QUESTIONED COSTS
FOR THE YEAR ENDED JUNE 30, 2015**

III. FEDERAL AWARDS FINDINGS AND QUESTIONED COSTS

Cause:

The City does not have procedures in place to ensure that only costs incurred within a grant's period of availability are treated as federal expenditures.

Recommendation:

It is recommended that the City develop procedures to ensure that grant period of performance is tracked and that only costs incurred within the grant's period of performance are reported on the SEFA.

Views of Responsible Officials and Planned Corrective Actions:

Management concurs with the finding. This has been communicated with staff responsible for the programs to follow the grant period to ensure the proper recording of expenditures.

CITY OF ROSEVILLE, CALIFORNIA

**SUMMARY SCHEDULE OF PRIOR YEAR FINDINGS
FOR THE YEAR ENDED JUNE 30, 2015**

Financial Statement Prior Year Findings

Finding No.	Finding Description	Corrective Action
2014-01	Accounting for Capital Assets	Implemented
2014-02	Loan Repayment Priority Based on Funding Sources	Implemented
2014-03	Investment Policy Requirement for Annual Review of Investments by External Auditor	Implemented
2014-04	Health and Safety Code Expenditure Limitations and Reporting Requirements for the Housing Successor	Implemented
2014-05	Information Technology Best Practices Recommendations	Implemented

Federal Award Prior Year Findings and Questioned Costs

Finding No.	Finding Description	Corrective Action
SA2014-001	Cash Management – Draw Down of HOME Grant Funds in Excess of Actual Expenditures Incurred	Partially Implemented – See finding 2015-004 above.
SA2014-002	Timely Submittal of Required Reports	Implemented
SA2014-003	Accurate Preparation of Federal Funding Accounting and Transparency Sub-award Reporting System Reports	Implemented
SA2014-004	Timely Submission of Grant Reimbursement Requests	Implemented



COUNCIL COMMUNICATION

CC #: 7646
File #: 0102-10

Title: Resolution of Commendation and Appreciation to Jeanette Mervau
Contact: Susan Schinnerer 916-774-5204 sschinnerer@roseville.ca.us

Meeting Date: 5/4/2016
Item #: 7.30.

RECOMMENDATION TO COUNCIL

Recommend Jeanette Mervau be commended for her outstanding service and dedication to the City of Roseville, congratulated for her many accomplishments, and wished a long, healthy, and enjoyable retirement.

BACKGROUND

N/A

FISCAL IMPACT

N/A

ECONOMIC DEVELOPMENT / JOBS CREATED

N/A

ENVIRONMENTAL REVIEW

N/A

Respectfully Submitted,

Susan Schinnerer, Administrative Assistant

Gayle Satchwell, Human Resources Director



Rob Jensen, City Manager

ATTACHMENTS:

Description

Resolution of Commendation and Appreciation

City of Roseville RESOLUTION

of

COMMENDATION AND APPRECIATION

WHEREAS, Jeanette Mervau began her distinguished career with the City of Roseville on August 23, 1999 as an Administrative Clerk II in the Risk Management Department, reclassified in 2003 to a Risk Management Technician, and reclassified in 2012 to an Insurance and Contract Technician; and

WHEREAS, Jeanette attained immense knowledge of the City's insurance certificates, subrogation claims, and special event insurance applications; and

WHEREAS, Jeanette was instrumental in the implementation of the City's insurance certificate tracking system, EBIX and creating the system to archive Risk programs; and

WHEREAS, Jeanette earned a stellar reputation in the organization and Human Resources Department for Insurance Certificate requirements and compliance; and

WHEREAS, Jeanette contributed significantly to the City Communication Team, thereby keeping the Human Resource staff aware of key events and activities going on in the City; and

WHEREAS, Jeanette has been a dedicated employee of the City of Roseville and the Roseville community for 17 years, and she will be greatly missed.

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF ROSEVILLE, CALIFORNIA, that **JEANETTE MERVAU** be commended for her outstanding service and dedication to the City of Roseville, congratulated for her many accomplishments, and wished a long, healthy, and enjoyable retirement.

SIGNED and APPROVED this 4th day of May, 2016.

CAROL GARCIA, MAYOR

ATTEST:

**SONIA OROZCO, CITY CLERK
CITY OF ROSEVILLE, CALIFORNIA**





COUNCIL COMMUNICATION

CC #: 7647
File #: 0102-10

Title: Resolution of Commendation and Appreciation to Robert Condo
Contact: Karen Sainsbury 916-746-1704 ksainsbury@roseville.ca.us

Meeting Date: 5/4/2016
Item #: 7.31.

RECOMMENDATION TO COUNCIL

Recommend Robert Condo be commended for his outstanding service and dedication to the City of Roseville, congratulated for his many accomplishments, and wished a long, healthy, and enjoyable retirement.

BACKGROUND

N/A

FISCAL IMPACT

N/A

ECONOMIC DEVELOPMENT / JOBS CREATED

N/A

ENVIRONMENTAL REVIEW

N/A

Respectfully Submitted,

Karen Sainsbury, Administrative Assistant

Richard Plecker, Environmental Utilities Director



Rob Jensen, City Manager

ATTACHMENTS:

Description



COUNCIL COMMUNICATION

CC #: 7650
File #: 0102-03

Title: Minutes of Prior Meetings
Contact: Sonia Orozco 916-774-5263 sorozco@roseville.ca.us

Meeting Date: 5/4/2016
Item #: 8.1.

RECOMMENDATION TO COUNCIL

Approve the Minutes of March 2, 2016 City Council Meeting (Rohan absent), and March 16, 2016 City Council Special Closed Session/City Council Meeting (Rohan absent).

BACKGROUND

N/A

FISCAL IMPACT

N/A

ECONOMIC DEVELOPMENT / JOBS CREATED

N/A

ENVIRONMENTAL REVIEW

N/A

Respectfully Submitted,

Sonia Orozco, City Clerk



Rob Jensen, City Manager

ATTACHMENTS:

Description

March 2, 2016 Minutes

March 16, 2016 Minutes



MINUTES

March 2, 2016

CITY COUNCIL MEETING

7:00 p.m.

City Council Chambers
311 Vernon Street
Roseville, California

1. CALL TO ORDER

The March 2, 2016 City Council Meeting was called to order by Mayor Carol Garcia at 7:00 p.m.

2. ROLL CALL

Councilmember:	Bonnie Gore	Present
Mayor:	Susan Rohan	Absent
Councilmember:	Tim Herman	Present
Councilmember:	Pauline Roccucci	Present
Mayor:	Carol Garcia	Present

3. PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was led by Keith Dietrich, CEO of the Gathering Inn and a student in the Roseville Chamber Leadership program.

4. MEETING PROCEDURES

NOTICE TO THE PUBLIC

All Items on the agenda will be open for the public comment before final action is taken. Speakers are requested to restrict comments to the item as it appears on the agenda and stay within a five (5) - minute time limit. The Mayor has the discretion of limiting the total discussion time for an item

City Clerk Sonia Orozco announced the procedures for addressing Council.

5. PRESENTATIONS

5.1. Resolution of Commendation and Appreciation to Bill McAnally

Bill McAnally be commended for a successful business history and notable contributions to the Roseville community.

CONTACT: Heather Blanco 774-5265 hblanco@roseville.ca.us

Mayor Garcia made the presentation to Bill McAnally, who responded.

6. PUBLIC COMMENTS

NOTICE TO THE PUBLIC

Persons may address the City Council on items not on this agenda. Please complete a "Speaker Information Card" and present it to the City Clerk prior to the start of the meeting. Speakers shall restrict their comments to issues that are within the subject jurisdiction of the City Council and limit their comments to three (3) minutes per person. The total time allocated for Public Comment is 25 minutes. The Brown Act, with certain exceptions, does not permit the City Council to discuss or take action on issues that are not listed on the agenda.

Keith Dietrich, CEO of the Gathering Inn, thanked Roseville Police Department for support.

7. CONSENT CALENDAR

NOTICE TO THE PUBLIC

All matters listed under Consent Calendar are considered to be routine and all will be passed by one motion. There will be no discussion of these items unless members of the City Council or the public request specific items be removed from the Consent Calendar for separate discussion. Any member of the public may address the City Council on items on the Consent Calendar. Public comments on any item or items on the Consent Calendar are limited to five (5) minutes per speaker

BEGINNING OF CONSENT CALENDAR

Approval of the Consent Calendar:

Approved all items as recommended.

Minutes

7.1. Minutes of Prior Meetings

November 5, 2015 City Council Special Closed Session, November 18, 2015 City Council Special Legislative Platform Workshop, November 18, 2015 City Council Meeting, December 16, 2015 City Council Special Closed Session, December 16, 2015 City Council Closed Session/City Council/Housing Authority Meeting.

CC #: 7473

File #: 0102-03

CONTACT: Sonia Orozco 774-5263 sorozco@roseville.ca.us

Bids / Purchases / Services

7.2. Distribution Transformers - Purchase Orders

Memo from Buyer Peter Brevik and Central Services Director Paul Diefenbach recommending Council approve the renewal of open purchase orders to General Pacific, Central Moloney Inc., Pacific Utilities, and Anixter Power Solutions (formerly HD Supply Power Solutions) for the Electric Department's annual requirement of distribution transformers. The purpose of the transformer is to convert power to a lower voltage to be used in homes and businesses. Transformers are bought and stored in the Central Stores yard until needed for projects. This renewal reflects the second of four optional renewal years. The vendors have performed satisfactorily and in accordance with the terms and conditions of the bid. The total cost for the Electric Department's annual requirement of transformers is \$700,000.00. Funding is included in the Central Stores Inventory Replacement Account for the current fiscal year and pending Council approval of budgets for next fiscal year.

CC #: 7485

File #: 0203-07-02

CONTACT: Peter Brevik 774-5724 pbrevik@roseville.ca.us

Resolutions

7.3. 3701 Old Auburn Road - Surplus Property Determination and Purchase and Sale Agreement

Memo from Development Services Manager Mike Isom and Development Services Director Kevin Payne recommending Council adopt RESOLUTION NO. 16-72 DECLARING A PORTION OF PROPERTY AT 3701 OLD AUBURN ROAD TO BE UNUSABLE, APPROVING A PURCHASE AND SALE AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND TL CREEKSID, LP, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE. This item requests approval of a resolution determining 271 square feet of City-owned property as surplus and unusable except by the owner of adjoining privately owned real property, and a resolution authorizing the City Manager to execute a purchase and sale agreement with TL Creekside, LP for sale of said property. The proposed sale would result in net proceeds to the City's Traffic Mitigation Fund of \$1,628.00.

CC #: 7489

File #: 1003

CONTACT: Mike Isom 774-5527 misom@roseville.ca.us

7.4. Fiddymment Ranch Phase 2 Village F-9-A1 - Certificate of Completion

Memo from Construction Inspector Orville Chatterton and Development Services Director Kevin Payne recommending Council adopt RESOLUTION NO. 16-66 ACCEPTING THE PUBLIC WORK KNOWN AS FIDDYMENT RANCH PHASE 2 VILLAGE F-9-A1 PROJECT, APPROVING THE "CERTIFICATE OF COMPLETION", AND AUTHORIZING AND DIRECTING THE CITY ENGINEER TO EXECUTE SAID NOTICE ON BEHALF OF THE CITY OF ROSEVILLE, THEREFORE, AND ACCEPTING ALL DEDICATIONS OFFERED ON THE RECORDED MAP OF THE SUBDIVISION. The Engineering Division has made a final inspection of the project and has found the roadway infrastructure work completed in accordance with the improvement plans and City specifications. The right of way, public utility, and drainage easements will be conveyed to the City by separate document and will be recorded concurrently with the Certificate of Completion. There is no fiscal impact to the General Fund as improvements have been funded by the developer.

CC #: 7468

File #: 0400-04-09-1

CONTACT: Orville Chatterton 774-5347 ochatterton@roseville.ca.us

7.5. 2016 Weed Abatement

Memo from Fire Inspection Supervisor Rob Arnett and Fire Chief Rick Bartee recommending Council adopt RESOLUTION NO. 16-69 OF THE COUNCIL OF THE CITY OF ROSEVILLE DECLARING ALL WEEDS, DIRT, RUBBISH OR RANK GROWTHS WITHIN THE CITY OF ROSEVILLE TO BE A PUBLIC NUISANCE; ORDERING THE FIRE CHIEF TO GIVE NOTICE OF THE PASSAGE OF THIS RESOLUTION; AND SETTING A TIME AND PLACE FOR HEARING ANY OBJECTIONS TO THE PROPOSED DESTRUCTION OR REMOVAL OF SUCH WEEDS, DIRT, RUBBISH, OR RANK GROWTHS. To initiate the 2016 Weed Abatement Program, staff recommends approval of a resolution declaring weeds, rubbish, dirt, and/or rank growth within the City of Roseville to be a public nuisance, as well as ordering the Fire Chief to give notice of the passage and setting a time and place for the required public hearing. The public hearing will be scheduled for the City Council meeting on Wednesday, March 16, 2016. Each year all vacant parcels are identified and property owners are notified of their obligation to maintain adequate fire breaks as a fire protection/prevention measure. Property owners are given an opportunity to abate hazards that exist on their parcels. The City only conducts abatement activities on

private parcels once the owner has failed to abate the hazard by a pre-determined date specified by the Fire Department. Abatement costs related to private properties are billed to the respective property owners. Owners of private parcels that are abated by the City are responsible for the costs associated with providing abatement services. A bill is sent to each property owner detailing the abatement costs, as well as an administrative fee. If the property owner fails to pay the bill, the City places a lien on the subject property and the monies owed are reimbursed through the property tax collection process.

CC #: 7496

File #: 0320-01

CONTACT: Rob Arnett 774-5827 rarnett@roseville.ca.us

7.6. Fiddymment Ranch Phase 2 Village F-9A2 - Certificate of Completion

Memo from Construction Inspector Orville Chatterton and Development Services Director Kevin Payne recommending Council adopt RESOLUTION NO. 16-67 ACCEPTING THE PUBLIC WORK KNOWN AS FIDDYMENT RANCH PHASE 2 VILLAGE F-9-A2 PROJECT, APPROVING THE "CERTIFICATE OF COMPLETION", AND AUTHORIZING AND DIRECTING THE CITY ENGINEER TO EXECUTE SAID NOTICE ON BEHALF OF THE CITY OF ROSEVILLE, THEREFORE, AND ACCEPTING ALL DEDICATIONS OFFERED ON THE RECORDED MAP OF THE SUBDIVISION. The Engineering Division has made a final inspection of the project and has found the roadway infrastructure work completed in accordance with the improvement plans and City specifications. The right of way, public utility, and drainage easements will be conveyed to the City by separate document and will be recorded concurrently with the Certificate of Completion. There is no fiscal impact to the General Fund as improvements have been funded by the developer.

CC #: 7469

File #: 0400-04-09-1

CONTACT: Orville Chatterton 774-5347 ochatterton@roseville.ca.us

7.7. Fiddymment Ranch Phase 2 Village F-19A2 - Certificate of Completion

Memo from Construction Inspector Orville Chatterton and Development Services Director Kevin Payne recommending Council adopt RESOLUTION NO. 16-64 ACCEPTING THE PUBLIC WORK KNOWN AS FIDDYMENT RANCH PHASE 2 VILLAGE F-19-A2 PROJECT, APPROVING THE "CERTIFICATE OF COMPLETION", AND AUTHORIZING AND DIRECTING THE CITY ENGINEER TO EXECUTE SAID NOTICE ON BEHALF OF THE CITY OF ROSEVILLE, THEREFORE, AND ACCEPTING ALL DEDICATIONS OFFERED ON THE RECORDED MAP OF THE SUBDIVISION. The Engineering Division has made a final inspection of the project and has found the roadway infrastructure work completed in accordance with the improvement plans and City specifications. The right of way, public utility, and drainage easements will be conveyed to the City by separate document and will be recorded concurrently with the Certificate of Completion. There is no fiscal impact to the General Fund as improvements have been funded by the developer.

CC #: 7466

File #: 0400-04-09-1

CONTACT: Orville Chatterton 774-5347 ochatterton@roseville.ca.us

7.8. Fiddymment Ranch Phase 2 Village F-19B2 - Certificate of Completion

Memo from Construction Inspector Orville Chatterton and Development Services Director Kevin Payne recommending Council adopt RESOLUTION NO. 16-65 ACCEPTING THE PUBLIC WORK KNOWN AS FIDDYMENT RANCH PHASE 2 VILLAGE F-19-B2 PROJECT, APPROVING THE "CERTIFICATE OF COMPLETION", AND AUTHORIZING AND DIRECTING THE CITY ENGINEER TO EXECUTE SAID

NOTICE ON BEHALF OF THE CITY OF ROSEVILLE, THEREFORE, AND ACCEPTING ALL DEDICATIONS OFFERED ON THE RECORDED MAP OF THE SUBDIVISION. The Engineering Division has made a final inspection of the project and has found the roadway infrastructure work completed in accordance with the improvement plans and City specifications. The right of way, public utility, and drainage easements will be conveyed to the City by separate document and will be recorded concurrently with the Certificate of Completion. There is no fiscal impact to the General Fund as improvements have been funded by the developer.

CC #: 7467

File #: 0400-04-09-1

CONTACT: Orville Chatterton 774-5347 ochatterton@roseville.ca.us

7.9. Design and Construction Standards 2016 Amendment

Memo from Senior Engineer Guy Howes and Development Services Director Kevin Payne recommending Council adopt RESOLUTION NO. 16-75 ADOPTING THE REVISED DESIGN/CONSTRUCTION STANDARDS. Staff has updated the City's 2013 Design and Construction Standards document by including the 2014 annual amendment and recommended revisions from 2015. Staff has reprinted the entire document to present the 2016 Edition for Council adoption. Annual amendments are posted on the City's website, total reprints occur every 3-5 years. There is no financial impact to this update, as the document will be posted on the City's website and all printing will be conducted by an outside vendor and paid for by document subscribers.

CC #: 7492

File #: 0800-06

CONTACT: Guy Howes 774-5430 ghowes@roseville.ca.us

7.10. Republican Alley 12" Water Main Slip Line Project- Notice of Completion

Memo from Associate Engineer Edward Winston and Environmental Utilities Director Richard Plecker recommending Council adopt RESOLUTION NO. 16-68 ACCEPTING THE PUBLIC WORK KNOWN AS THE REPUBLICAN ALLEY 12" WATER MAIN SLIP LINE PROJECT, APPROVING THE "NOTICE OF COMPLETION", AND AUTHORIZING THE ENVIRONMENTAL UTILITIES DIRECTOR TO EXECUTE SAID NOTICE ON BEHALF OF THE CITY OF ROSEVILLE. The City Environmental Utilities Department finished final inspection of the project and found the work to be completed in accordance with the improvement plans and specifications and is now ready for acceptance. The total cost of the construction contract was \$575,141.57. The project was funded under the Water Rehabilitation Fund.

CC #: 7472

File #: 0900-02

CONTACT: Edward Winston 774-5566 ewinston@roseville.ca.us

7.11. Douglas Substation Stormwater Permitting and Inspections - Service Agreement Amendment

Memo from Senior Power Engineer Chris Porter and Electric Utility Director Michelle Bertolino recommending Council adopt RESOLUTION NO. 16-73 APPROVING A FIRST AMENDMENT TO SERVICE AGREEMENT BETWEEN CITY OF ROSEVILLE AND WALLACE-KUHL & ASSOCIATES, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE (S1504332). The service agreement with Wallace-Kuhl and Associates is necessary to maintain compliance with the Stormwater Pollution Prevention Plan and Construction General Permit at Douglas Substation for the first phase of construction. The amendment to this service agreement will provide the funding required to continue inspection activities through completion of construction. This amendment will increase the agreement by \$15,000.00 for a total of

\$33,987.50. Funds are available in the Douglas Substation Rehabilitation Capital Improvement Project in FY2015/16.

CC #: 7490

File #: 0800-03

CONTACT: Chris Porter 774-5615 cporter@roseville.ca.us

7.12. Atlantic Street/Eureka Road/Westbound I-80 On-Ramp Widening Project - Cooperative Agreement

Memo from Associate Engineer Hossein Naghibzadeh and Public Works Director Rhon Herndon recommending Council adopt RESOLUTION NO. 16-74 APPROVING A COOPERATIVE AGREEMENT BETWEEN CITY OF ROSEVILLE AND STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION (CALTRANS) AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE. Approval and execution of a Cooperative Agreement between the City of Roseville and The State of California Department of Transportation (Caltrans) for the Atlantic Street/Eureka Road/Westbound I-80 On-Ramp Improvement Project. \$600,000.00 in Traffic Mitigation Funds were previously approved at the July 15, 2015 Council meeting for the Preliminary Engineering and Environmental phase of the project. These funds will be reimbursed by the South Placer Regional Transportation Authority as funds become available. Funding for the final design and construction will be provided by Caltrans. No General Funds will be used for this work.

CC #: 7491

File #: 0900-04-02

CONTACT: Hossein Naghibzadeh 746-1300 hnaghibzadeh@roseville.ca.us

7.13. Programming Services and Process Control Standards Update - Professional Services Agreement Amendment

Memo from EIM Systems Coordinator Charles Aycock and Environmental Utilities Director Richard Plecker recommending Council adopt RESOLUTION NO. 16-77 APPROVING A FIRST AMENDMENT TO PROFESSIONAL SERVICES AGREEMENT BETWEEN THE CITY OF ROSEVILLE AND EMA, INC., AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE. This item requests adoption of a resolution authorizing the City Manager to execute the Professional Services Agreement Amendment 1, with EMA, Inc. The additional cost for this amendment is \$18,490.00 and will be split between three approved Capital Improvement Projects (CIP). The Intertie construction project CIP 143001, which is funded by the Water Construction Fund and will fund task 7, totaling \$5,300.00. The Process Control Standards CIPs 073508 and 073002 are funded by the South Placer Wastewater Authority partners and Water Construction Funds, respectively, and are the funding source for task #8 for \$13,190.00.

CC #: 7495

File #: 0800-02

CONTACT: Charles Aycock 746-1887 caycock@roseville.ca.us

7.14. HP Campus Oaks Community Facilities District Funding, Construction and Acquisition Agreement

Memo from Administrative Analyst Jeannine Thrash and Finance Director Monty Hanks recommending Council adopt RESOLUTION NO. 16-76 APPROVING FUNDING, CONSTRUCTION AND ACQUISITION AGREEMENT IN CONNECTION WITH HP CAMPUS OAKS COMMUNITY FACILITIES DISTRICT NO. 1 (PUBLIC FACILITIES). On September 22, 2015, the City Council adopted Resolution No. 15-443, which formed HP Campus Oaks Community Facilities District ("CFD") No. 1. The resolution being requested for approval pertains to the HP Campus Oaks Funding, Construction and Acquisition Agreement. The purpose of the Acquisition Agreement is to provide

agreement between the City and the Developer, BBC Roseville Oaks, LLC (BBC), as to the use of the proceeds of the bonds for the acquisition of public facilities authorized to be financed by the CFD by setting forth the mechanics and requirements for reimbursement to BBC of costs incurred for the public facilities. There is no fiscal impact to the City's General Fund.

CC #: 7494

File #: 0206-03-01

CONTACT: Jeannine Thrash 774-5473 jthrash@roseville.ca.us

Monty Hanks 774-5313 mhanks@roseville.ca.us

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

7.15. Accela Hardware Purchase - Budget Adjustment

Memo from Administrative Analyst Brandy LeBeau and Development Services Director Kevin Payne recommending Council adopt ORDINANCE NO. 5637 OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE 2015-16 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN APPROPRIATION MEASURE. The purchase of Accela hardware to support mobile office in the field for both the Development Services Engineering and Building Division may not occur in FY16. This is a request to transfer budgeted FY16 funds in the amount of \$43,000.00 to the Accela Capital Improvement Project to ensure the funding is available when the purchase needs to take place. This funding is approved under the FY16 Budget and does not have any impact on the General Fund.

CC #: 7481

File #: 0201-01 & 0203-06

CONTACT: Brandy LeBeau 774-5278 blebeau@roseville.ca.us

7.16. Fiddymment House Improvements - Budget Adjustment

Memo from Park Planning & Development Superintendent Tara Gee and Parks, Recreation & Libraries Director Dion Louthan recommending Council adopt ORDINANCE NO. 5640 OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE 2015-16 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN APPROPRIATION MEASURE. This budget adjustment is to address security concerns related to two former Fiddymment Houses on City property in West Roseville. The budget adjustment requests approval of \$271,000.00 split between the Public Facilities Fund and the West Roseville City-Wide Park Fund.

CC #: 7486

File #: 0201-01 & 0717-01

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

7.17. Water Contracting Support - Professional Services Agreement Amendment and Budget Adjustment

Memo from Business Services Administrator Carol Margetich and Environmental Utilities Director Richard Plecker recommending Council adopt RESOLUTION NO. 16-71 APPROVING A FIRST AMENDMENT TO PROFESSIONAL SERVICES AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND MUNICIPAL CONSULTING GROUP, LLP, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE; and adopt ORDINANCE NO. 5641 OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE 2015-16 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN APPROPRIATION MEASURE. The City has contracted with Municipal Consulting for support responding to Bureau of Reclamation (USBR) cost allocation, rate setting and financial management. The USBR has proposed actions that warrant supplemental efforts on the part of both staff and

consultant services. Staff is requesting the proposed amendment to the existing contract for continued support on USBR water rate, budget and financial issues including review and constructing a joint regional solution to proposed policies for Warren Act rates, assessing impacts to water rates of future CVPIA and Cal WaterFix related costs, and strategies for involvement in Reclamation's budget formulation process. The budget adjustment in the amount of \$88,400.00 is included in the Environmental Utilities Water Operations Fund.

CC #: 7488

File #: 0201-01 & 0800-02

CONTACT: Carol Margetich 746-1712 cmargetich@roseville.ca.us

7.18. Staffing and Salary Schedule Changes

Memo from Senior Human Resources Analyst Linda Hampton and Human Resources Director recommending Council adopt ORDINANCE NO. 5642 OF THE COUNCIL OF THE CITY OF ROSEVILLE AMENDING ORDINANCE NO. 5626, THE SALARY ORDINANCE FOR EMPLOYEES REPRESENTED BY THE INTERNATIONAL UNION OF OPERATING ENGINEERS, STATIONARY ENGINEERS, LOCAL 39, AS AMENDED BY APPENDIX "B" TO BE EFFECTIVE MARCH 5, 2016, AS AN URGENCY MEASURE; and adopt ORDINANCE NO. 5643 OF THE COUNCIL OF THE CITY OF ROSEVILLE AMENDING ORDINANCE NO. 5613, THE SALARY ORDINANCE FOR MANAGEMENT EMPLOYEES, AS AMENDED BY APPENDIX "B" TO BE EFFECTIVE MARCH 5, 2016, AS AN URGENCY MEASURE; and adopt ORDINANCE NO. 5644 OF THE COUNCIL OF THE CITY OF ROSEVILLE AMENDING ORDINANCE NO. 5614, THE SALARY ORDINANCE FOR CITY COUNCIL APPOINTED POSITIONS, AS AMENDED BY APPENDIX "B" TO BE EFFECTIVE MARCH 5, 2016, AS AN URGENCY MEASURE; and approve the City-wide allocation schedule effective March 5, 2016. Staff recommends the City Council approve Local 39 A & B and Management A & B salary schedules to reflect the deletions of classifications E-Government Analyst I/II, IT Planning and Policy Analyst I/II, IT Planning and Policy Supervisor, and Building Maintenance Supervisor as these classifications are no longer being utilized by the City. Staff is also recommending Council approve an allocation schedule reflecting the deletion of 6.5 vacant allocations and increasing a Payroll Clerk 0.5 FTE to a 0.6 FTE in the Finance department and reclassifying a vacant Office Assistant allocation to an Administrative Technician allocation in the Electric Department. In addition, to correct an administrative error, staff is requesting Council approve the City Council Appointed Positions (CCAP) salary schedule to correctly reflect already approved salary increases effective January 9, 2016. The CCAP increases are included in the budget. The proposed allocation changes for Finance and Electric will result a fiscal impact of \$9,874.00 which can be absorbed in the FY16 Budget.

CC #: 7497

File #: 0600-01

CONTACT: Linda Hampton 774-5215 lhampton@roseville.ca.us

Ordinances (for second reading and adoption)

- 7.19. Second Reading of Ordinance - Municipal Code Amendment - Streets and Sidewalks**
ORDINANCE NO. 5638 OF THE COUNCIL OF THE CITY OF ROSEVILLE AMENDING SECTIONS 13.08.050, 13.08.060, AND 13.08.070 OF CHAPTER 13.08 OF TITLE 13 OF THE ROSEVILLE MUNICIPAL CODE REGARDING STREET, SIDEWALK, CURB AND GUTTER CONSTRUCTION, AMENDING SECTIONS 13.26.080 AND 13.26.090 OF CHAPTER 13.26 OF TITLE 13 OF THE ROSEVILLE MUNICIPAL CODE REGARDING BRIDGE CROSSINGS AND MAJOR THOROUGHFARES, AND AMENDING SECTIONS 13.28.020, 13.28.030, 13.28.040, 13.28.050, 13.28.060, 13.28.070, 13.28.090, 13.28.100 AND 13.28.130 OF CHAPTER 13.28 OF TITLE 13 OF

THE ROSEVILLE MUNICIPAL CODE REGARDING CONSTRUCTION IN PUBLIC STREETS, for second reading and adoption.

CC #: 7483

File #: 0800-06

CONTACT: Guy Howes 774-5430 ghowes@roseville.ca.us

7.20. Second Reading of Ordinance - Municipal Code Amendment - Annual Adjustment to Bid Amount

ORDINANCE NO. 5639 OF THE COUNCIL OF THE CITY OF ROSEVILLE AMENDING SECTIONS 4.12.090(A), 4.12.095(A) AND 4.12.100 OF CHAPTER 4.12 OF TITLE 4 REGARDING FORMAL BIDDING, for second reading and adoption.

CC #: 7484

File #: 0500-01

CONTACT: Gretchen Hakala 774-5325 ghakala@roseville.ca.us

Reports / Requests

7.21. Out of State Travel Request - Electric Department

Memo from Electric Utility Director Michelle Bertolino requesting Council approve out of state travel for Electric Utility Director Michelle Bertolino to attend the Northwest Public Power Association's Training and Workforce Development Planning meeting on March 24, 2016 in Vancouver, Washington. Total estimated cost of this travel is \$600.00 and funds are available in the Electric Department FY16 Operating budget.

CC #: 7470

File #: 0600-02

CONTACT: Michelle Bertolino 774-5636 mbertolino@roseville.ca.us

7.22. Out of State Travel Request - Electric Department

Memo from Line Construction Supervisor Tom Pontes and Electric Utility Director Michelle Bertolino recommending Council authorize out of state travel for Roseville Electric employees to participate in the American Public Power Association Public Power Lineworkers Rodeo in Minneapolis, Minnesota from May 31-April 3, 2016. The International Brotherhood of Electrical Workers Local 1245 has agreed to fund all travel and conference costs for one participant team consisting of three Journeyman Line Technicians. Roseville Electric will fund remaining travel and conference costs for the second Lineman team; three Journeyman Line Technicians, and the Operations Manager and Line Construction Supervisor. Funds are available in the Roseville Electric FY2015/16 Budget to cover the cost of the trip.

CC #: 7476

File #: 0600-02

CONTACT: Tom Pontes 774-5550 tpontes@roseville.ca.us

7.23. Out of State Travel Request - Environmental Utilities Department

Memo from Business Services Administrator Carol Margetich and Environmental Utilities Director Richard Plecker recommending Council approve out of state travel for one Administrative Analyst to attend the Government Finance Officers Association Data Analysis course in Seattle, Washington, from April 7, 2016 to April 8, 2016. Travel costs are estimated at \$2,000.00 and funding is included in the FY16 Environmental Utilities Admin Budget

CC #: 7477

File #: 0600-02

CONTACT: Carol Margetich 746-1712 cmargetich@roseville.ca.us

7.24. Out-of-State Travel - Public Affairs & Communications Department

Memo from Public Affairs & Communications Director Megan MacPherson recommending Council approve out of state travel for Public Affairs & Communications Director Megan MacPherson to participate in the annual Capitol-to-Capitol legislative advocacy program in Washington, D.C. April 8-12, 2016. The program is sponsored annually by the Sacramento Metropolitan Chamber of Commerce and includes leaders in government, business, healthcare, and education from the Sacramento region. The estimated cost for travel and conference attendance is \$3,500.00. Funds are available in the Economic Development Department's Budget for FY2015/16 to cover the cost.

CC #: 7471

File #: 0600-02

CONTACT: Megan MacPherson 774-5455 mmacpherson@roseville.ca.us

Ceremonial Documents

7.25. Proclamation - California Arbor Week

Proclaim March 7-14, 2016 as California Arbor Week in the City of Roseville, and encourage residents and businesses to join together to plant trees and maintain existing trees.

CC #: 7499

File #: 0102-06

CONTACT: Ellen Worland 774-5131 hblanco@roseville.ca.us

7.26. Proclamation - Keaton Raphael Memorial St. Baldrick's Foundation

Proclaim February 27, 2016 as Keaton Raphael Memorial's St. Baldrick's Foundation Head Shaving Event and urge citizens to support organizations offering assistance and services directly to children diagnosed with cancer.

CC #: 7478

File #: 0102-06

CONTACT: Heather Blanco 774-5265 hblanco@roseville.ca.us

7.27. Resolution of Commendation and Appreciation to Kris Blair

Kris Blair be commended for her outstanding service and dedication to the City of Roseville, congratulated for her many accomplishments, and wished a long, healthy, and enjoyable retirement.

CC #: 7480

File #: 0102-10

CONTACT: Heather Blanco 774-5265 hblanco@roseville.ca.us

Motion by Herman, seconded by Roccucci, approve the Consent Calendar as recommended.

Roll call vote: Ayes: Gore, Herman, Roccucci, Garcia

Noes: None

Absent: Rohan

END OF CONSENT CALENDAR

8. MINUTES

8.1. Minutes of Prior Meetings

December 11, 2015 City Council Special Closed Session (Gore absent), January 6, 2016 City Council Meeting (Gore and Herman absent), January 20, 2016 City Council Closed Session/City Council Meeting (Garcia absent), February 3, 2016 City Council Closed Session/City Council Meeting (Herman absent).

CC #: 7474

File #: 0102-03
CONTACT: Sonia Orozco 774-5263 sorozco@roseville.ca.us

City Clerk Sonia Orozco made the presentation to Council

Motion by Herman, seconded by Roccucci, to adopt the minutes of the December 11, 2015 City Council Special Closed Session.

Roll call vote: Ayes: Herman, Roccucci, Garcia
Noes: None
Absent: Rohan
Abstain: Gore

Motion by Roccucci, seconded by Garcia, to adopt the minutes of the January 6, 2016 City Council Meeting.

Roll call vote: Ayes: Roccucci, Garcia
Noes: None
Absent: Rohan
Abstain: Gore, Herman

Motion by Herman, seconded by Gore, to adopt the minutes of the January 20, 2016 City Council Closed Session/City Council Meeting.

Roll call vote: Ayes: Gore, Herman, Roccucci
Noes: None
Absent: Rohan
Abstain: Garcia

Motion by Gore, seconded by Roccucci, to adopt the minutes of the February 3, 2016 City Council Closed Session City Council Meeting.

Roll call vote: Ayes: Gore, Roccucci, Garcia
Noes: None
Absent: Rohan
Abstain: Herman

9. RESOLUTIONS

9.1. Request for Proposal Policy

Memo from Purchasing and Warehouse Manager Shannon Wiest and Central Services Director Paul Diefenbach recommending Council adopt RESOLUTION NO. 16-70 ADOPTING A REQUEST FOR PROPOSALS (RFP) POLICY. Request for Proposals (RFP) is a competitive proposal process used by City staff to solicit proposals from potential proposers. The RFP process is used for requirements in which the desired outcome is known, but it is difficult to define the methodology or the exact materials or services required to achieve the desired results. This policy will provide a uniform process for the issuance, evaluation, and selection of competitive proposals for services and/or customized goods. There is no fiscal impact from enacting this policy.

CC #: 7487

File #: 0800-01

CONTACT: Shannon Wiest 774-5705 swiest@roseville.ca.us

Central Services Director Paul Diefenbach introduced Purchasing and Warehouse Manager Shannon Wiest and Deputy City Attorney Joe Speaker.

Central Services Director Paul Diefenbach made the presentation to Council.

Purchasing and Warehouse Manager Shannon Wiest continued the presentation to Council.

Deputy City Attorney Joe Speaker continued the presentation to Council.

Wendy Gerig, representing the Roseville Area Chamber of Commerce, spoke in support of proposed compromise and protest period.

Motion by Gore, seconded by Herman, to adopt RESOLUTION NO. 16-70 ADOPTING A REQUEST FOR PROPOSALS (RFP) POLICY.

Motion by Herman, seconded by Roccucci, approve the Consent Calendar as recommended.

Roll call vote: Ayes: Gore, Herman, Roccucci, Garcia

Noes: None

Absent: Rohan

10. 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

10.1. Water Efficient Landscape Ordinance Amendment

Memo from Senior Planner Derek Ogden and Development Services Director Kevin Payne recommending Council introduce for first reading ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE ADDING CHAPTER 14.18 OF THE ROSEVILLE MUNICIPAL CODE REGARDING WATER EFFICIENT LANDSCAPING; AND REPEALING CHAPTER 19.67 OF ARTICLE IV OF TITLE 19 OF THE ROSEVILLE MUNICIPAL CODE REGARDING WATER EFFICIENT LANDSCAPING. This item requests that the City Council amend the Water Efficient Landscape Ordinance (WELO) and move these requirements from Title 19 - Zoning to Title 14 - Public Utilities. Given recent legislation and state oversight of the City's water conservation efforts, the proposed amendment to the WELO will respond to state legislation mandating stricter requirements for reducing landscape irrigation, water consumption, and waste. This action will require additional monitoring and oversight by City staff. The extent of the cost associated with this unfunded mandate will be absorbed by the General Fund and Utility rates.

CC #: 7482

File #: 0800-02

CONTACT: Derek Ogden 746-1348 dogden@roseville.ca.us

Bobby Alvarez 774-1710 balvarez@roseville.ca.us

Mayor Garcia opened the public hearing.

Planning Manager Greg Bitter introduced Senior Planner Derek Ogden and Water Conservation Administrator Bobby Alvarez.

Senior Planner Derek Ogden made the presentation to Council.

No public comment received.

Mayor Garcia closed the public hearing.

Motion by Herman, seconded by Roccucci, to introduce for first reading ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE ADDING CHAPTER 14.18 OF THE ROSEVILLE MUNICIPAL CODE REGARDING WATER EFFICIENT LANDSCAPING; AND REPEALING CHAPTER 19.67 OF ARTICLE IV OF TITLE 19 OF THE ROSEVILLE MUNICIPAL CODE REGARDING WATER EFFICIENT LANDSCAPING.

Motion by Herman, seconded by Roccucci, approve the Consent Calendar as recommended.

Roll call vote: Ayes: Gore, Herman, Roccucci, Garcia

Noes: None

Absent: Rohan

10.2. Creekview Specific Plan - Specific Plan Amendment

Public Hearing continued to March 16, 2016.

CC #: N/A

File #: 0400-04-13

CONTACT: Wayne Wiley 774-5283 wwayne@roseville.ca.us

Mayor Garcia announced the public hearing is continued to March 16, 2016.

11. COUNCIL / STAFF / REPORTS/ COMMENTS

Environmental Utilities Update – Environmental Utilities Director Richard Plecker provided an update on current water and snow pack conditions relating to drought target.

Item for information only. No action taken.

Placer County Water Agency/City of Roseville Meeting – Councilmember Roccucci reported on attendance.

Chamber of Commerce Meeting/Speaker from Warrick University – Councilmember Herman announced upcoming event on Marcy 18, 2016.

St. Baldrick's Cancer Fundraiser – Mayor Garcia thanked Councilmember Herman and all who participated.

Kris Blair Retirement – Mayor Garcia announced and congratulated.

Cap-to-Cap Washington D.C. – Mayor Garcia summarized advocating for Roseville.

City Clerk Department Passport Processing – Mayor Garcia announced and congratulated.

12. ADJOURNMENT

Motion by Herman, seconded by Gore, to adjourn the meeting at 7:50 p.m.

CAROL GARCIA, MAYOR

SONIA OROZCO, CMC
CITY CLERK



MINUTES

March 16, 2016

CITY COUNCIL SPECIAL CLOSED SESSION

6:00 p.m.

CITY COUNCIL MEETING

7:00 p.m.

City Council Chambers
311 Vernon Street
Roseville, California

CLOSED SESSION

6:00 p.m.

A. **CLOSED SESSION CALL TO ORDER**

Mayor Carol Garcia called the March 16, 2016 City Council Special Closed Session to order.

B. **CLOSED SESSION SILENT ROLL CALL**

Councilmember:	Bonnie Gore	Present
Mayor:	Susan Rohan	Absent
Councilmember:	Tim Herman	Present
Councilmember:	Pauline Roccucci	Present
Mayor:	Carol Garcia	Present

C. **CLOSED SESSION PUBLIC COMMENTS**

No public comment received.

D. **CLOSED SESSION ITEMS**

1. Conference with Legal Counsel – Anticipated Litigation

Pursuant to Government Code Section 54956.9(d)(4)

Initiation of litigation: One potential case

CONTACT: Robert Schmitt 774-5325 rschmitt@roseville.ca.us

Closed Session Disclosure: City Attorney Robert Schmitt stated no reportable action taken.

2. Conference with Labor Negotiator

Pursuant to California Government Code Section 54957.6

Agency designated representative: Gayle Satchwell

Employee Organizations:

Roseville Police Officers Association;
Roseville Police Association;
IBEW, Local 1245;
Stationary Engineers, Local 39;
Management/Confidential Employees
and City Council Appointed Positions.

CONTACT: Gayle Satchwell 774-5374 gsatchwell@roseville.ca.us

Closed Session Disclosure: City Attorney Robert Schmitt stated no reportable action taken.

E. CLOSED SESSION ADJOURNMENT

The Special Closed Session was adjourned at 6:45 p.m. by consensus.

1. CALL TO ORDER

The March 16, 2016 City Council Meeting was called to order by Mayor Carol Garcia at 7:00 p.m.

2. ROLL CALL

Councilmember:	Bonnie Gore	Present
Vice Mayor:	Susan Rohan	Absent
Councilmember:	Tim Herman	Present
Councilmember:	Pauline Roccucci	Present
Mayor:	Carol Garcia	Present

3. PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was led by Sierra College student Tyler Moenning.

4. MEETING PROCEDURES

NOTICE TO THE PUBLIC

All Items on the agenda will be open for the public comment before final action is taken. Speakers are requested to restrict comments to the item as it appears on the agenda and stay within a five (5) - minute time limit. The Mayor has the discretion of limiting the total discussion time for an item

City Clerk Sonia Orozco announced the procedures for addressing Council.

5. PRESENTATIONS

5.1. Proclamation - Child Abuse Prevention Month

Proclaim April 2016 as Child Abuse Prevention Month and reaffirm dedication to protecting the children of the community, and call upon citizens to increase their participation in awareness of preventing child abuse.

CONTACT: Heather Blanco 774-5265 hblanco@roseville.ca.us

Mayor Garcia made the presentation to KidsFirst Executive Director Barbara Besana, who responded.

6. PUBLIC COMMENTS

NOTICE TO THE PUBLIC

Persons may address the City Council on items not on this agenda. Please complete a "Speaker Information Card" and present it to the City Clerk prior to the start of the meeting. Speakers shall restrict their comments to issues that are within the subject jurisdiction of the City Council and limit their comments to three (3) minutes per person. The total time allocated for Public Comment is 25 minutes. The Brown Act, with certain exceptions, does not permit the City Council to discuss or take action on issues that are not listed on the agenda.

Charles Brown, Roseville, spoke on pedestrian and bicycle routes.

Tracy Mendonsa, Roseville, spoke in appreciation of city personnel paying respect to fallen California Highway Patrol officer Nathan Taylor.

7. CONSENT CALENDAR

NOTICE TO THE PUBLIC

All matters listed under Consent Calendar are considered to be routine and all will be passed by one motion. There will be no discussion of these items unless members of the City Council or the public request specific items be removed from the Consent Calendar for separate discussion. Any member of the public may address the City Council on items on the Consent Calendar. Public comments on any item or items on the Consent Calendar are limited to five (5) minutes per speaker

BEGINNING OF CONSENT CALENDAR

Approval of the Consent Calendar:

Dropped item 7.36 from the agenda to be relisted at a future date, removed item 7.2 from the Consent Calendar to be discussed separately and approved the remaining items as recommended.

Minutes

7.1. Minutes of Prior Meetings

February 17, 2016 City Council Special Closed Session, February 17, 2016 City Council/Housing Successor/Successor Agency of the Redevelopment Agency Meeting

CC #: 7530

File #: 0102-03

CONTACT: Sonia Orozco 774-5263 sorozco@roseville.ca.us

Bids / Purchases / Services

7.2. Downtown Bridges and Trail Improvement Project - Agreement for Sale of Conservation Credits, Approval of Plans and Specifications, and Authorization to Call for Bids

Memo from Associate Engineer Hossein Naghibzadeh and Public Works Director Rhon Herndon recommending Council adopt RESOLUTION NO. 16-103 APPROVING AN AGREEMENT FOR SALE OF CONSERVATION CREDITS, FREMONT LANDING CONSERVATION BANK, BY AND BETWEEN THE CITY OF ROSEVILLE AND RIPARIAN RANCH, LLC, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE; and adopt RESOLUTION NO. 16-104 AUTHORIZING STAFF TO REPROGRAM FEDERAL CONGESTION MITIGATION & AIR QUALITY FUNDS FROM THE DRY CREEK GREENWAY PROJECT TO THE DOWNTOWN CLASS I TRAIL PROJECT, and approve the plans and specifications for the Downtown Bridges and Trail Improvement Project, and authorize staff to advertise the project, transfer CMAQ funds, and purchase mitigation bank credits.

CC #: 7543

File #: 0721-05

CONTACT: Hossein Naghibzadeh 746-1300 hnaghibzadeh@roseville.ca.us –
Removed from Consent Calendar to be Discussed Separately

7.3. Modular Storage Units (RFQ 01-3067) - Reject all Bids

Memo from Buyer Peter Brevik and Central Services Director Paul Diefenbach recommending Council adopt RESOLUTION NO. 16-95 REJECTING ALL BIDS FOR MODULAR STORAGE UNITS. The Purchasing Department released a bid on behalf of the Parks, Recreation and Libraries Department for twelve modular storage units to be

placed at three locations within the City. The City received one bid for the project and the dollar amount surpassed the department's budget and staff plans to re-bid this project with a different scope upon Council approval to reject all current bids. There is no fiscal impact at this time, since there will be no contract awarded.

CC #: 7528

File #: 0203-21 & 0203-10

CONTACT: Peter Brevik 774-5724 pBrevik@roseville.ca.us

7.4. Tubular Steel Poles (RFQ 01-3061) - Purchase Order

Memo from Buyer Babette Owens and Central Services Director recommending Council authorize award for tubular steel poles to TransAmerica Power Products, Inc. as the only responsive bid to RFQ 01-3061. Roseville Electric completed a LiDAR survey of the 60 kV transmission lines throughout the City to establish any clearance issues between the 60 kV and 12 kV energized conductors and between the energized conductors and the ground. This detailed survey determined three of the existing poles were affected and need to be replaced with steel poles. The total cost of these steel poles including tax is \$48,147.00. Funding is included in the Electric 60 kV Restrunging CIP project (134008) FY2015/16 Budget. Fifty (50) % of the cost of the poles will be reimbursed by the NIPA Blue Oaks Commerce Center development.

CC #: 7538

File #: 0203-07

CONTACT: Babette Owens 774-5704 bowens@roseville.ca.us

7.5. Roseville Energy Park Maintenance and Repair Services – Purchase Order

Memo from Power Generation Superintendent Matt Garner and Electric Utility Director Michelle Bertolino recommending Council approve a purchase order between City of Roseville and American Compressor Company (P1613400). This item is approving a multi-year sole source purchase order with American Compressor Company for offsite maintenance and repair services in support of the Roseville Energy Park. Funding is included in the Electric Department Budget for FY2016. Cost of the purchase order for FY2016 is not expected to exceed \$50,000.00. The total cost of the purchase order for 5 years will not exceed \$250,000.00.

CC #: 7536

File #: 0203-07

CONTACT: Matt Garner 746-1691 mgarner@roseville.ca.us

7.6. Asphalt Sealant and Filler - Annual Blanket Purchase Order

Memo from Buyer Peter Brevik and Central Services Director Paul Diefenbach recommending Council award an annual blanket purchase order to Crafcro Inc. for asphalt sealant and fillers. The City will be utilizing State of Washington contract #01211. The Street Maintenance Division has a recurring demand for Crafcro crack sealant pavement preservation products. Crafcro was chosen because of the price and quality of materials. Upon expiration of the competitively bid State of Washington multi-year contract, City staff will perform an evaluation of the terms and conditions and pricing of any renewed contract. If the renewed contract continues to best meet the City's needs at that time, staff requests the ability to renew with the vendor contingent upon Council approval of budget. The total estimated cost for annual pavement patching products is \$100,000.00. Funding is included in the Public Works Street Maintenance Division FY2015/16 budget and future budgets pending Council approval of budgets.

CC #: 7523

File #: 0203-13-01

CONTACT: Peter Brevik 774-5724 pBrevik@roseville.ca.us

- 7.7. Pleasant Grove Wastewater Treatment Plant Mixed Liquor Return Pump Replacement – Sole Source Purchase Order Approval
Memo from Senior Engineer Todd Jordan and Environmental Utilities Director Richard Plecker recommending Council approve the award of a sole source purchase order to Xylem Water Solutions for the purchase of three Flygt NP series pumps to replace a failed mixed liquor return pumps at the Pleasant Grove Wastewater Treatment Plant. The estimated cost is not to exceed \$123,173.93, which includes tax and shipping fees. Funding is included in the FY2015/16 Wastewater Operations Budget.
CC #: 7514
File #: 0203-09
CONTACT: Todd Jordan 746-1829 tjordan@roseville.ca.us
- 7.8. Pressure Treated Wood Poles - Open Purchase Orders
Memo from Buyer Peter Brevik and Central Services Director Paul Diefenbach recommending Council authorize open purchase orders to McFarland Cascade as the lowest responsive bidder to RFQ 01-3068 pressure treated wood poles. The Electric Department has a recurring requirement for pressure treated wood poles. The wood poles are provided and installed by Roseville Electric throughout the City. Also, four optional one-year renewals were included in the pressure treated wood poles. The estimated cost for the first fifteen months of the contract is \$150,000.00. Funding is included in the Electric Departments Construction Maintenance budget for FY2015/16 and FY2016/17 budget, pending City Council approval of budgets.
CC #: 7527
File #: 0203-11
CONTACT: Peter Brevik 774-5724 pbrevik@roseville.ca.us
- 7.9. Roseville Energy Park Ammonia Supply – Service Agreement Amendment
Memo from Power Generation Superintendent Matt Garner and Electric Utility Director Michelle Bertolino recommending Council adopt RESOLUTION NO. 16-89 APPROVING SERVICE AGREEMENT AMENDMENT NO. 1 BETWEEN CITY OF ROSEVILLE AND THATCHER COMPANY OF CALIFORNIA, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE (\$1603149). This item amends a service agreement with Thatcher Company of California for purchase and delivery of aqueous ammonia for emission controls at the Roseville Energy Park. The amendment increases the service agreement cost from \$43,000.00 to \$90,000.00 due to increased operation of the Roseville Energy Park. Funding is included in the Electric Department FY2015/16 Budget.
CC #: 7517
File #: 0203-07
CONTACT: Matt Garner 746-1691 mgarner@roseville.ca.us
- 7.10. Pest Control Management - Service Agreement
Memo from Facility Manager Dan Allen and Central Services Director Paul Diefenbach recommending Council adopt RESOLUTION NO. 16-83 APPROVING AMENDMENT NO. 1 TO SERVICE AGREEMENT BETWEEN CITY OF ROSEVILLE AND NEIGHBORLY PEST MANAGEMENT, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE (\$1304116). Staff recommends Council authorize the amendment of a service agreement to provide pest control services on a scheduled and an as needed basis with Neighborly Pest Management. This is the fourth year of a five year agreement. The total value on the agreement amendment for the remainder of the contract is \$585,000.00. Funding is

included in the Building Maintenance, Environmental Utilities, Electric, Street Maintenance, and Park Maintenance FY2015/16 and proposed FY2016/17 Budgets.

CC #: 7513

File #: 0203-04

CONTACT: Dan Allen 774-5741 dallen@roseville.ca.us

7.11. Public Safety Vehicle Equipment and Services - Service Agreement

Memo from Buyer Peter Brevik and Central Services Director Paul Diefenbach recommending Council adopt RESOLUTION NO. 16-98 APPROVING A SERVICE AGREEMENT BETWEEN CITY OF ROSEVILLE AND THATCHER COMPANY OF CALIFORNIA AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE (\$1604357). The Vehicle Maintenance Department will be piggybacking Placer County bid #10385 for LEHR Auto Electric and Emergency supplies and services in order to outfit the recent purchase of police and fire department vehicles. The City will be piggybacking off of Placer County's bid #10385 for materials and labor services. The total estimated cost for materials and labor will not exceed \$280,000.00. Funding is included in the Auto Replacement Budget for FY2015/16 and FY2016/17.

CC #: 7535

File #: 0203-02

CONTACT: Peter Brevik 774-5724 pbrevik@roseville.ca.us

Resolutions

7.12. Westbrook Phase I - Summerfaire Drive Phase B (Station 06+33 to Station 16+00) - Certificate of Completion

Memo from Senior Construction Inspector John Hernandez and Development Services Director Kevin Payne recommending Council adopt RESOLUTION NO. 16-100 OF THE COUNCIL OF THE CITY OF ROSEVILLE ACCEPTING THE PUBLIC WORK KNOWN AS WESTBROOK PHASE 1 - SUMMERFAIRE DRIVE PHASE "B" (STATION 06+33 TO STATION 16+00) PROJECT, APPROVING THE "CERTIFICATE OF COMPLETION", AND AUTHORIZING AND DIRECTING THE CITY ENGINEER TO EXECUTE SAID NOTICE ON BEHALF OF THE CITY OF ROSEVILLE, THEREFORE, AND ACCEPTING ALL DEDICATIONS OFFERED ON THE RECORDED MAP OF THE SUBDIVISION. This project represents a completed subdivision ready for certificate of completion. The Engineering Division has made final inspection of the project and has found the roadway infrastructure 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 #: 7539

File #: 0400-0412-1

CONTACT: John Hernandez 774-5486 jhernandez@roseville.ca.us

7.13. Mahany Park Recycled Water Retrofit Project - Notice of Completion

Memo from Park Development Analyst Rjahja Canlas and Parks, Recreation & Libraries Director Dion Louthan recommending Council adopt RESOLUTION NO. 16-94 ACCEPTING THE PUBLIC WORK KNOWN AS MAHANY PARK RECYCLED WATER RETROFIT PROJECT, APPROVING THE "NOTICE OF COMPLETION", AND AUTHORIZING THE PARKS, RECREATION AND LIBRARIES DIRECTOR TO EXECUTE SAID NOTICE ON BEHALF OF THE CITY OF ROSEVILLE. The Parks, Recreation & Libraries Department has made a final inspection of the Mahany Park Recycled Water Retrofit Project and has found that all contract work has been completed in accordance with the improvement plans and specifications. The project is

now ready for acceptance. The project scope of work included conversion of the irrigation systems at the baseball and softball fields from potable water to recycled water. In accordance with City specifications, the contractor shall guarantee the installation of these improvements for a period of twelve (12) months from the date of this Notice of Completion. The project cost was \$136,000.00 and was funded with bond monies from the Northwest Lighting and Landscape District. No General Funds were used for this project. Mahany Park maintenance costs have been a component of the Park Operations budget and will not increase.

CC #: 7526

File #: 0704-01

CONTACT: Rjahja Canlas 774-5505 rcanlas@roseville.ca.us

7.14. Diamond Oaks Golf Course Restroom Replacement Project - Notice of Completion

Memo from Park Development Analyst Rjahja Canlas and Parks, Recreation & Libraries Director Dion Louthan recommending Council adopt RESOLUTION NO. 16-92 ACCEPTING THE PUBLIC WORK KNOWN AS DIAMOND OAKS GOLF COURSE RESTROOM REPLACEMENT PROJECT, APPROVING THE "NOTICE OF COMPLETION", AND AUTHORIZING THE PARKS, RECREATION AND LIBRARIES DIRECTOR TO EXECUTE SAID NOTICE ON BEHALF OF THE CITY OF ROSEVILLE. The Parks, Recreation & Libraries Department has made a final inspection of the Diamond Oaks Golf Course Restroom Replacement Project and has found that all contract work has been completed in accordance with the improvement plans and specifications. The project is now ready for acceptance. The project scope of work included the site preparation and utility work for the prefabricated restroom. The prefabricated restroom was purchased on a separate contract and was delivered to the site by the fabricator. In accordance with City specifications, the contractor shall guarantee the installation of these improvements for a period of twelve (12) months from the date of this Notice of Completion. The project cost was \$130,858.86 and was funded with monies from the Golf Course Improvement Fund. No General Funds were used for this project.

CC #: 7524

File #: 0702-01

CONTACT: Rjahja Canlas 774-5505 rcanlas@roseville.ca.us

7.15. Roseville Self Storage - Fifty (50) Foot Slope Easement Abandonment

Memo from Junior Engineer Jeff Hendrix and Development Services Director Kevin Payne recommending Council adopt RESOLUTION NO. 16-90 ORDERING SUMMARY VACATION OF A 50-FOOT SLOPE EASEMENT. This request is to abandon a fifty (50) foot Slope Easement related to the Roseville Self Storage project, located at 8601 Foothills Blvd. This easement was originally created to accommodate a ramp approach for the future railroad over-crossing of the Roseville Parkway Extension. During the entitlement process for the Roseville Self Storage project, staff determined that the existing fifty (50) foot slope easement located along the northerly boundary of the project was unnecessary. There is no fiscal impact to the City's General Fund as part of this action.

CC #: 7518

File #: 1001-02

CONTACT: Jeff Hendrix 774-5463 jhendrix@roseville.ca.us

7.16. Right of Entry Agreement on Placer County Property

Memo from Open Space Superintendent Brian Castelluccio and Parks, Recreation & Libraries Director Dion Louthan recommending Council adopt RESOLUTION NO. 16-99

APPROVING A LIMITED RIGHT OF ENTRY AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND THE COUNTY OF PLACER, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE. Staff recommends Council authorize the City Manager to execute the Right of Entry Agreement between the City of Roseville and Placer County to enter County property to access the Foothills Business Park Preserve. This will allow staff to perform required maintenance activities within the preserve. The agreement has no General Fund impact.

CC #: 7537

File #: 0704-02

CONTACT: Brian Castelluccio 746-1755 bcastelluccio@roseville.ca.us

7.17. IP Video Management Software - Professional Services Agreement

Memo from Associate Engineer Tito Zamora and Public Works Director Rhon Herndon recommending Council adopt RESOLUTION NO. 16-96 APPROVING A PROFESSIONAL SERVICES AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND NETWORK MANAGEMENT CORPORATION, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE. This item requests approval of a professional services agreement with Network Management Corporation for internet protocol video management software (Milestone) for the City's 174 traffic cameras located at signalized intersections throughout the City and adoption of a resolution authorizing the City Manager to execute it. Total cost of the service agreement is \$154,971.00. The funding source is the annual traffic signal project account funded by developer paid traffic mitigation fees.

CC #: 7532

File #: 0800-04

CONTACT: Tito Zamora 746-1300 tzamora@roseville.ca.us

7.18. Housing Authority - Housing Element Annual Progress Report - Calendar Year 2015

Memo from Housing Analyst Trisha Isom and Economic Development Director Chris Robles recommending Council adopt RESOLUTION NO. 16-93 HOUSING ELEMENT ANNUAL PROGRESS REPORT (CALENDAR YEAR 2015). After the General Plan's Housing Element of a jurisdiction has been adopted, the California Government Code requires the jurisdiction to provide an annual report to their legislative body, and the State Offices of Office of Planning & Research and Housing & Community Development (HCD) on the status of the plan and progress in its implementation. The report must detail progress in meeting the City's share of regional housing needs and local efforts to remove governmental constraints to the maintenance, improvement, and development of housing pursuant to California Government Code 65583(c)(3). The City's fair share housing need as determined by Sacramento Area Council of Governments is 8,478 dwelling units comprised in terms of income groups: 1,134 units for extremely low income families; 1,134 units for very low income families; 1,590 units for low income families; 1,577 units for moderate and 3,043 units for above moderate income families over the planning period. The staff cost of developing the Housing Element Annual Progress Report for Calendar Year 2015 was accounted for in the FY2014/15 adopted budget.

CC #: 7525

File #: 0709-01

CONTACT: Trisha Isom 746-1239 tisom@roseville.ca.us

Chris Robles 774-5421 crobles@roseville.ca.us

7.19. Community Development Block Grant Exterior Paint Program Modifications

Memo from Housing Analyst Suzanne Acrell and Economic Development Director Chris Robles recommending Council adopt RESOLUTION NO. 16-101 APPROVING INDIVIDUAL VOUCHER REIMBURSEMENT AGREEMENTS BY AND BETWEEN THE CITY OF ROSEVILLE AND G & S HARDWARE PURCHASING, INC., DBA ROSEVILLE ACE HARDWARE, DUNN-EDWARDS CORPORATION, KELLY-MOORE PAINT COMPANY, INC., THE SHERWIN-WILLIAMS COMPANY, AND WAREHOUSE PAINT, INC., AND AUTHORIZING THE CITY MANAGER TO EXECUTE THEM ON BEHALF OF THE CITY OF ROSEVILLE. This item requests approval to increase the amount of the paint voucher from \$400.00 to \$700.00 per home and to increase of the number of paint supplier program participants from one to four. Annually, \$5,000.00 of Community Development Block Grant funds is allocated to the Program, and no General Fund monies are used.

CC #: 7541

File #: 0709

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

7.20. Low Carbon Transit Operations Program Funds Application - Fiscal Year 2016

Memo from Financial Analyst Elizabeth Haydu and Public Works Director Rhon Herndon recommending Council adopt RESOLUTION NO. 16-82 AUTHORIZING CITY MANAGER OR HIS DESIGNEE TO SUBMIT LOW CARBON OPERATIONS PROGRAM GRANT APPLICATIONS AND TO EXECUTE THE RELATED GRANT APPLICATIONS, FORMS AND AGREEMENTS. Roseville Transit is eligible to apply for State of California Transit, Low Carbon Transit Operations Program funds for a total of \$162,221.00. These funds will be utilized for Local Route S service enhancements in Fiscal Year 2017.

CC #: 7397

File #: 0214 & 0721

CONTACT: Elizabeth Haydu 746-1302 ehaydu@roseville.ca.us

7.21. Street Closure Request - I Love the 80's Fun Run - May 1, 2016

Memo from Community Relations Analyst Jamie Hazen and Parks, Recreation & Libraries Director Deon Louthan recommending Council adopt RESOLUTION NO. 16-102 OF THE COUNCIL OF THE CITY OF ROSEVILLE APPROVING THE CLOSING OF CERTAIN STREETS FOR THE I LOVE THE 80'S FUN RUN. Staff is requesting approval of the closure of the streets identified in Exhibit A on Sunday, May 1, 2016 for the City sponsored event, I Love the 80's Fun Run. The budget for this event is \$35,400.00 with expected revenue from runners and vendors of \$35,400.00. This amount is included in the Parks, Recreation & Libraries Department FY2015/16 Budget.

CC #: 7542

File #: 0109-02

CONTACT: Jamie Hazen 774-5978 jhazen@roseville.ca.us

Ordinances (for introduction and first reading)

7.22. Municipal Code Amendment - Transportation Systems Management

Memo from Alternative Transportation Analyst Sue Schooley and Public Works Director Rhon Herndon recommending Council introduce for first reading ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE AMENDING SECTIONS 11.33.010, 11.33.030, 11.33.080, 11.33.120 AND 11.33.130 OF CHAPTER 11.33 OF TITLE 11 OF THE ROSEVILLE MUNICIPAL CODE REGARDING TRANSPORTATION SYSTEMS MANAGEMENT. This item is a revision to the Roseville Municipal Code (RMC) - Title 11, Transportation Systems Management for minor "clean up" language, and to change the timing of the Transportation Survey from every three years to every five years.

There will be a nominal cost savings of approximately \$2,000.00 per year. The current triennial survey costs approximately \$20,000.00 every three years. With the proposed survey every five years, there will be a savings of \$20,000.00 over the ten year period.

CC #: 7512

File #: 0721

CONTACT: Sue Schooley 774-5365 sschooley@roseville.ca.us

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

7.23. Annexation Payments - Budget Adjustment

Memo from Administrative Analyst Jeannine Thrash and Finance Director Monty Hanks recommending Council adopt ORDINANCE NO. 5646 OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE 2015-16 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN URGENCY MEASURE. Annexation payments are based on a share of property tax revenues with Placer County on certain annexation agreement areas. Each annexation area has its own agreement as to the share of taxes to be paid to the County. Property tax (secured tax) revenue offsets a portion of the annexation payments made to the County. The final numbers are received by the City in December allowing staff to true-up the respective revenue and expense line items. There is no impact to the City's General Fund.

CC #: 7503

File #: 0201-01

CONTACT: Jeannine Thrash 916-774-5473 jthrash@roseville.ca.us

Monty Hanks 916-774-5313 mhanks@roseville.ca.us

7.24. Dry Creek Wastewater Treatment Plant Nitrate Discharge Reduction Project - Budget Adjustment and Professional Services Agreement

Memo from Senior Engineer Todd Jordan and Environmental Utilities Director Richard Plecker recommending Council adopt RESOLUTION NO. 16-81 APPROVING A PROFESSIONAL SERVICES AGREEMENT BY AND BETWEEN THE CITY OF ROSEVILLE AND BROWN AND CALDWELL, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE; and adopt ORDINANCE NO. 5647 OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE 2015-16 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN APPROPRIATION MEASURE. The budget adjustment will transfer \$1,000,000.00 from the Wastewater Rehabilitation Fund (474) to the Dry Creek Wastewater Treatment Plant Nitrate Reduction Project (163509). This amount will fund an alternative analysis for, and the design and construction of necessary plant improvements to maintain the plant's nitrate discharge compliance. If the aforementioned budget adjustment is approved, staff recommends Council approve a professional services agreement to Brown and Caldwell to perform an alternative analysis for the Dry Creek Wastewater Treatment Plant Nitrate Reduction Project. Brown and Caldwell will complete an alternative evaluation, develop detailed cost estimates for feasible alternatives, and recommend improvements to maintain nitrate discharge compliance. The total cost of the Brown and Caldwell agreement will not exceed \$141,000.00. The remainder of the project funds will be used toward the design and construction of the improvements recommended by the Brown and Caldwell analysis.

CC #: 7504

File #: 0800-02 & 0201-01

CONTACT: Todd Jordan 746-1829 tjordan@roseville.ca.us

7.25. FY2015/16 Westpark Community Facilities District #1 Loan Principal and Interest Payments - Budget Adjustment

Memo from Budget Analyst Brandon Ladd and Finance Director Monty Hanks recommending Council introduce and adopt ORDINANCE NO. 5651 OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE 2015-16 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN APPROPRIATION MEASURE. This Ordinance is for the FY2015-16 annual Interest and Principal payments for the Loan from the Water Rehab Fund (482), Water Construction Fund (481), and Pleasant Grove Drainage Basin Construction Fund (250) to Westpark Community Facilities District (CFD) No. 1 Fund (350). This loan was originally approved by Council on June 5, 2013 to fund Phases 3 and 4 of the Westpark backbone infrastructure project. The City's loan to Westpark CFD No.1 was secured and is being repaid from proceeds from the Pay-As-You-Go funding generated from special taxes levied on properties within the CFD. The approval of the original loan was determined to have a neutral impact on the Funds from which the loans were made. The impact to the General Fund for FY16 will be an increase to interest income of \$109,967.00.

CC #: 7509

File #: 0201-01 & 0206-03-01

CONTACT: Brandon Ladd 774-5389 bladd@roseville.ca.us

Kathy Cullen 746-1306 kcullen@roseville.ca.us

7.26. Arc Flash Mitigation Design - Build Project – Change Order and Budget Adjustment

Memo from EIM Systems Coordinator Charles Aycock and Environmental Utilities Director Richard Plecker recommending Council adopt RESOLUTION NO. 16-78 APPROVING CHANGE ORDER #2, BY AND BETWEEN THE CITY OF ROSEVILLE AND WESTERN WATER CONSTRUCTORS, INC., AND AUTHORIZING THE ENVIRONMENTAL UTILITIES DIRECTOR TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE; and adopt ORDINANCE NO. 5645 OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE 2015-16 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN APPROPRIATION MEASURE. This is a request of Council to approve Change Order #2 to Western Water Constructors, Inc. for the Arc Flash Mitigation Project. Total cost of Change Order #2 is \$221,360.35. The change order requested exceeds the change order authority granted to staff by Resolution No. 12-451, and the currently approved budget is not sufficient to pay this amount. The budget adjustment will transfer funds from the Wastewater and Water Rehabilitation Funds to Arc Flash Mitigation Project (133502) to ensure sufficient funds are available to execute Change Order #2 work and to provide sufficient budget for staff time and related expenses to manage the contract. Staff also requests that City Council authorize the Environmental Utilities Director or his designee to approve and pay for any additional contract change orders for this project that could increase the contract's new total negotiated contract value by no more than 10% (\$113,148.63).

CC #: 7500

File #: 0201-01 & 0800-02

CONTACT: Charles Aycock 746-1887 caycock@roseville.ca.us

7.27. Fire Department Strike Team - Budget Adjustment

Memo from Administrative Analyst Katrina Rostam and Fire Chief Rick Bartee recommending Council adopt ORDINANCE NO. 5648 OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE 2015-16 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN

APPROPRIATION MEASURE. This budget adjustment is to increase the Fire Department FY2015/16 budget by \$621,523.00 in staffing related expenses and \$621,523.00 in associated revenue directly related to strike team assignments. As a participant in the California Fire Assistance Agreement (CFAA) and the United States Department of Agriculture/Forest Service Agreement (USDA/FS), the Fire Department sends resources, upon emergency request, to assist in the management and control of large fires that occur throughout our region every year. The CFAA can also provide resources to Roseville Fire should the department require and request them. This fiscal year to date, fire department crew have assisted all over California and Oregon. The contracts provide for staff, vehicle and overhead reimbursement. Since the increased expenses are reimbursed, there is no net effect on the General Fund.

CC #: 7506

File #: 0201-01 & 0324

CONTACT: Katrina Rostam 774-5848 krostam@roseville.ca.us

7.28. Fire Department Academy - Budget Adjustment

Memo from Administrative Analyst Katrina Rostam, Assistant Fire Chief Greg James, and Fire Chief Rick Bartee recommending Council adopt ORDINANCE NO. 5649 OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE 2015-16 BUDGET AND DECLARING THIS ORDINANCE TO BE EFFECTIVE AS AN APPROPRIATION MEASURE. The Fire Department currently has six open positions and is requesting \$161,002.00 in additional funds to fill those positions. The Fire Department business model is 24/7 staffing and a position cannot go unfilled on a daily basis. The open positions are currently being filled with overtime, which cannot be continued on a long term basis without substantial risk to the employee's health and welfare. The requested budget adjustment will increase the FY2015/16 Budget to cover the costs related to a Fire Department Academy to fill six open Firefighter Paramedic positions. Funds will come from the General Fund.

CC #: 7506

File #: 0201-01 & 0324

CONTACT: Katrina Rostam 774-5848 krostam@roseville.ca.us

Greg James 774-5570 gjames@roseville.ca.us

7.29. Performance Management Software - Service Agreement and Budget Adjustment

Memo from Senior Human Resources Analyst Linda Hampton and Human Resources Director Gayle Satchwell recommending Council adopt RESOLUTION NO. 16-97 APPROVING A SERVICE AGREEMENT BETWEEN CITY OF ROSEVILLE AND CORNERSTONE ONDEMAND, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE (S1604118); and adopt ORDINANCE NO. 5657 OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE 2015-16 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN APPROPRIATION MEASURE. Staff recommends City Council adopt an Ordinance approving the budget adjustment and adopt a Resolution authorizing the City Manager to execute the service agreement with Cornerstone OnDemand for Performance Management software, implementation, and training. The one time software implementation cost is \$19,740.00 with an initial annual fee of \$33,650.00.

CC #: 7534

File #: 0600 & 0201-01

CONTACT: Linda Hampton 774-5215 hampton@roseville.ca.us

7.30. Full Cost/Consolidated Billing - Budget Adjustment

Memo from Administrative Analyst Brandy LeBeau and Development Services Director Kevin Payne recommending Council adopt ORDINANCE NO. 5650 OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE 2015-16 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN APPROPRIATION MEASURE. The Development Services Department has projects that are Full Cost/Consolidate Billing, where the City takes a deposit for the estimated charge on what the project will cost to complete. When the deposit is depleted we request an additional deposit. This budget adjustment request to transfer \$2,000,000.00 from reimbursement revenue for staff charges and outside expenses will ensure budget spending authority for auditing purposes. There is no net impact on the available resources in the General Fund.

CC #: 7508

File #: 0201-01 & 0800-06

CONTACT: Brandy LeBeau 774-5278 blebeau@roseville.ca.us

7.31. Amoruso Ranch Specific Plan Budget Adjustment

Memo from Administrative Analyst Brandy LeBeau and Development Services Director Kevin Payne recommending Council adopt ORDINANCE NO. 5656 OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE 2015-16 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN APPROPRIATION MEASURE. The Development Services Department, Planning Division, requests that the City Council adopt an ordinance for a budget adjustment of \$150,000.00 for City staff costs required for the processing of the Amoruso Ranch Specific Plan. These funds are developer reimbursement for staff and consultant time associated with the project. There is no impact to the General Fund.

CC #: 7522

File #: 0201-01 & 0800-06

CONTACT: Brandy LeBeau 774-5278 blebeau@roseville.ca.us

7.32. Accela Project - Budget Adjustment

Memo from Administrative Analyst Brandy LeBeau and Development Services Director Kevin Payne recommending Council adopt ORDINANCE NO. 5655 OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE 2015-16 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN APPROPRIATION MEASURE. The purchase of Accela hardware to support mobile office in the field for the Development Services Code Enforcement Division may not occur in FY16. This is a request to transfer budgeted FY16 funds in the amount of \$11,000.00 to the Accela CIP to ensure the funding is available when the purchase needs to take place. This funding is approved under the FY16 budget and does not have any new impact on the General Fund.

CC #: 7521

File #: 0201-01 & 0203-06

CONTACT: Brandy LeBeau 774-5278 blebeau@roseville.ca.us

7.33. Vehicle Purchases and Budget Adjustments

Memo from Buyer Peter Brevik and Central Services Director Paul Diefenbach recommending Council adopt ORDINANCE NO. 5653 OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE 2015-16 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN APPROPRIATION MEASURE; adopt ORDINANCE NO. 5654 OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE 2015-16 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS

AN APPROPRIATION MEASURE; authorize a purchase order to Altec Industries for one D3060B digger derrick vehicle utilizing NJPA contract 031014-ALT; and authorize a purchase order to Altec Industries, Inc. for one AT37-G articulating telescopic aerial lift truck utilizing NJPA contract 031014-ALT. The total cost of one D3060B digger derrick vehicle is \$421,919.98, a budget adjustment of \$11,945.00 from the Auto Replacement Budget will pay for the remaining purchase price of this vehicle. The total cost of one AT37-G articulating telescopic aerial lift truck is \$133,240.55, a budget adjustment of \$6,500.00 from the Auto Replacement Budget will pay for the remaining purchase price of this vehicle. Funding for the vehicles is included in the FY2015/16 Auto Replacement Budget.

CC #: 7520

File #: 0203-01 & 0201-01

CONTACT: Peter Brevik 774-5724 pBrevik@roseville.ca.us

7.34. Strategic Legislative and Planning Services - Budget Adjustment

Memo from Public Affairs Administrator Sean Bigley and Environmental Utilities Director Richard Plecker recommending Council adopt ORDINANCE NO. 5658 OF THE COUNCIL OF THE CITY OF ROSEVILLE AUTHORIZING CERTAIN AMENDMENTS TO THE 2015-16 BUDGET AND DECLARING THIS ORDINANCE TO BE IMMEDIATELY EFFECTIVE AS AN APPROPRIATION MEASURE. This item recommends that the City Council approve a budget adjustment for \$25,000.00 for strategic legislative and planning services for Environmental Utilities. Services include strategic advice on optimizing Roseville's position and influence as a regional and state leader in shaping legislative and regulatory policymaking, long-term water resources development planning, operational optimization and strategic advice to the Environmental Utilities Director and staff. These services will help staff further two key 2015/16 City Council Goals.

CC #: 7540

File #: 0201-01 & 0800-02

CONTACT: Sean Bigley 774-5513 sbigley@roseville.ca.us

Ordinances (for second reading and adoption)

7.35. Second Reading of Ordinance - Municipal Code Amendment - Water Efficient Landscaping

ORDINANCE NO. 5659 OF THE COUNCIL OF THE CITY OF ROSEVILLE REPEALING CHAPTER 19.67 OF ARTICLE IV OF TITLE 19 OF THE ROSEVILLE MUNICIPAL CODE REGARDING WATER EFFICIENT LANDSCAPING, AND ADDING CHAPTER 14.18 OF TITLE 14 OF THE ROSEVILLE MUNICIPAL CODE REGARDING WATER EFFICIENT LANDSCAPING, for second reading and adoption.

CC #: 7547

File #: 0800-02

CONTACT: Derek Ogden 746-1348 dogden@roseville.ca.us

Bobby Alvarez 746-1710 balvarez@roseville.ca.us

Reports / Requests

7.36. California Central Railroad Monument Installation Placement Request

Memo from Park Planning & Development Superintendent Tara Gee and Parks, Recreation & Libraries Director Dion Louthan recommending Council approve the request from the Roseville Historical Society to place a 38" tall by 34" wide granite monument at the site of Roseville's original railroad. The proposal acknowledges adherence to the procedure outlined in the monument/memorial policy, which includes funding for the maintenance of the monument. Typically, an endowment is set up to

fund full replacement of the monument. The estimated cost of the monument is \$7,165.00. The Roseville Historical Society received a grant for the cost and installation of the monument.

CC #: 7493

File #: 0717

CONTACT: Tara Gee 774-5253 tgee@roseville.ca.us – **Dropped from Agenda to be Re-listed at a Later Date**

7.37. Housing Authority - Status Report

Memo from Housing Supervisor Nancy Cox and Housing Authority Assistant Director Chris Robles recommending Housing Authority accept the quarterly report of the Roseville Housing Authority Housing Choice Voucher Program activity. The Council, acting as the Roseville Housing Authority will receive the report with no action required. This report is for informational purposes only and has no impact on the City's General Fund.

CC #: 7510

File #: 0709-02-01

CONTACT: Nancy Cox 774-5451 ncox@roseville.ca.us

7.38. Fire Department - Out of State Travel

Memo from Assistant Chief Greg James Fire and Chief Rick Bartee recommending Council approve out-of-state travel for Engineer Kevin Cullison and Firefighter Paramedic James Kornweibel to attend the Union Pacific sponsored Advanced Tank Car Safety and Emergency Response Course April 10-15, 2016. This course is held at the Association of American Railroad's Security and Emergency Response Training Center (SERTC) located at the Transportation and Technology Center (TTCI) near Pueblo, CO. The City of Roseville is home to the largest rail switchyard west of the Mississippi. The Roseville Fire Department has a Type-1 Hazardous Materials team capable of responding to various Hazardous Materials rail incidents in Roseville and the surrounding area. This class focuses on technical damage assessment and advanced field repair of damaged hazardous materials railcars in order to rapidly and effectively mitigate emergencies. This effective response protects residents while providing a minimal amount of disruption to business and commerce. Total cost to the department is approximately \$2,763.50. Funds for this training are available in the department's FY2015/16 budget. Approximate costs in the amount of \$7,000.00 which includes tuition, travel, and lodging will be covered by Union Pacific.

CC #: 7505

File #: 0600-02

CONTACT: Greg James 774-5806 gjames@roseville.ca.us

Ceremonial Documents

7.39. Resolution of Commendation and Appreciation to Mark A. Eger

Senior Master Sergeant Mark A. Eger be commended for his outstanding service and dedication to the United States Air Force, congratulated for his many accomplishments, and wished a long, healthy, and enjoyable retirement.

CC #: 7529

File #: 0102-10

CONTACT: Heather Blanco 774-5265 hblanco@roseville.ca.us

Motion by Herman, seconded by Roccucci, to drop item #7.36 from the agenda to be re-listed at a later date, to remove item #7.2 from the Consent Calendar to be discussed separately and that the remaining items be approved as recommended.

Roll call vote: Ayes: Gore, Herman, Roccucci, Garcia

Noes: None

Absent: Rohan

REMOVED FROM CONSENT CALENDAR

7.2. Downtown Bridges and Trail Improvement Project - Agreement for Sale of Conservation Credits, Approval of Plans and Specifications, and Authorization to Call for Bids

Memo from Associate Engineer Hossein Naghibzadeh and Public Works Director Rhon Herndon recommending Council adopt RESOLUTION NO. 16-103 APPROVING AN AGREEMENT FOR SALE OF CONSERVATION CREDITS, FREMONT LANDING CONSERVATION BANK, BY AND BETWEEN THE CITY OF ROSEVILLE AND RIPARIAN RANCH, LLC, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE; and adopt RESOLUTION NO. 16-104 AUTHORIZING STAFF TO REPROGRAM FEDERAL CONGESTION MITIGATION & AIR QUALITY FUNDS FROM THE DRY CREEK GREENWAY PROJECT TO THE DOWNTOWN CLASS I TRAIL PROJECT, and approve the plans and specifications for the Downtown Bridges and Trail Improvement Project, and authorize staff to advertise the project, transfer CMAQ funds, and purchase mitigation bank credits.

CC #: 7543

File #: 0721-05

CONTACT: Hossein Naghibzadeh 746-1300 hnaghibzadeh@roseville.ca.us

Removed by Councilmember Roccucci for an update.

Alternative Transportation Analyst Mike Dour made the presentation to Council.

Ach Siviglia, Mark Thomas & Company responded to Council questions.

David Ramsey, representing VFW/American Legion, spoke on concerns regarding street closure.

John Chance, past Commander of VFW, spoke on concern regarding parking at county facility.

Motion by Roccucci, seconded by Gore, to adopt RESOLUTION NO. 16-103 APPROVING AN AGREEMENT FOR SALE OF CONSERVATION CREDITS, FREMONT LANDING CONSERVATION BANK, BY AND BETWEEN THE CITY OF ROSEVILLE AND RIPARIAN RANCH, LLC, AND AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF ROSEVILLE;

and,

adopt RESOLUTION NO. 16-104 AUTHORIZING STAFF TO REPROGRAM FEDERAL CONGESTION MITIGATION & AIR QUALITY FUNDS FROM THE DRY CREEK GREENWAY PROJECT TO THE DOWNTOWN CLASS I TRAIL PROJECT:

and,

approve the plans and specifications for the Downtown Bridges and Trail Improvement Project, and,

authorize staff to advertise the project, transfer CMAQ funds, and purchase mitigation bank credits.

Roll call vote: Ayes: Gore, Herman, Roccucci, Garcia

Noes: None
Absent: Rohan

END OF CONSENT CALENDAR

8. SPECIAL REQUESTS/REPORTS/PRESENTATION

8.1. Roseville Community Development Corporation - Annual Corporate Update

Memo from Economic Development Director Chris Robles with an update to City Council regarding the Roseville Community Development Corporation's (RCDC) FY2014/15 audited financial statement report; the budget for the FY2015/16 and to report to the City Council the RCDC's programs. The RCDC's financial activities have no impact on the City's General Fund.

CC #: 7446

File #: 0103-15-02

CONTACT: Chris Robles 774-5421 crobles@roseville.ca.us

Melissa Hagan 774-5476 mhagan@roseville.ca.us

Economic Development Director Chris Robles made the presentation to Council.

No public comment received.

Item for information only. No action taken.

8.2. Mid Year Performance Report

Memo from Budget Manager Kathy Cullen and Finance Director Monty Hanks recommending Council accept for information the Mid Year Performance Report Fiscal Year 2015-16. The Mid Year Performance Report includes a series of graphs illustrating significant trends in major operational areas, financial analysis by fund, and performance reporting on specific organizational objectives for mid year FY2015/16. This item is a performance report only and has no fiscal impact.

CC #: 7475

File #: 0202-02

CONTACT: Kathy Cullen 746-1306 kcullen@roseville.ca.us

Chief Financial Officer Jay Panzica made the presentation to Council.

No public comment received.

Item for information only. No action taken.

8.3. Budget Update

Memo from Finance Director Monty Hanks recommending Council accept for information the budget update. The FY2016/17 budget preparation is underway and staff wants to keep the City Council informed with various budget related information and estimates as they become available. The updates are intended to solicit input and feedback from the council to ensure staff prepares their budgets that support the Council goals and priorities outlined during the budget workshop.

CC #: 7531

File #: 0201

CONTACT: Monty Hanks 774-5313 mhanks@roseville.ca.us

Finance Director Monty Hanks made the presentation to Council.

No public comment.

Item for information only. No action taken.

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. Municipal Code Amendment - Rates for Collection of Commercial Organic Waste

Public Hearing continued to April 6, 2016.

CC #: 7550

File #: 0800-02

CONTACT: Terri Shirhall 774-5536 tshirhall@roseville.ca.us

Mayor Garcia announced the public hearing continuance to a future date on April 6, 2016/

9.2. 2016 Weed Abatement - Public Hearing

Public Hearing continued to April 6, 2016.

CC #: 7551

File #: 0320-01

CONTACT: Rob Arnett 774-5827 rarnett@roseville.ca.us

Mayor Garcia announced the public hearing continuance to a future date on April 6, 2016.

9.3. Housing Authority - Annual Plan for Fiscal Year 2016

Memo from Housing Supervisor Nancy Cox and Housing Authority Assistant Director Chris Robles recommending Council adopt HOUSING AUTHORITY OF THE CITY OF

ROSEVILLE RESOLUTION NO. 01-16 AUTHORIZING THE EXECUTIVE DIRECTOR TO SUBMIT THE ROSEVILLE HOUSING AUTHORITY ANNUAL PLAN FOR FISCAL YEAR 2016 TO THE U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT ALONG WITH ALL THE REQUIRED CERTIFICATIONS, DISCLOSURES AND RELATED DOCUMENTS. This item is Roseville Housing Authority's submission of its Annual Plan for FY2016 for Council's approval. This Housing Authority Annual Report does not create any additional cost to the City's General Fund.

CC #: 7548

File #: 0103-03-02 & 0709-01

CONTACT: Nancy Cox 774-5451 ncox@roseville.ca.us

Mayor Garcia opened the public hearing.

Housing Authority Assistant Director Chris Robles introduced Housing Supervisor Nancy Cox.

Housing Authority Assistant Director Chris Robles made the presentation to Council

Housing Supervisor Nancy Cox continued the presentation to Council.

Jessica Hillibrand, Roseville, spoke in support of Housing Choice Voucher program.

Mayor Garcia closed the public hearing.

Motion by Roccucci, seconded by Gore, to adopt HOUSING AUTHORITY OF THE CITY OF ROSEVILLE RESOLUTION NO. 01-16 AUTHORIZING THE EXECUTIVE DIRECTOR TO SUBMIT THE ROSEVILLE HOUSING AUTHORITY ANNUAL PLAN FOR FISCAL YEAR TO 2016 TO THE U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT ALONG WITH ALL THE REQUIRED CERTIFICATIONS, DISCLOSURES AND RELATED DOCUMENTS.

Roll call vote: Ayes: Gore, Herman, Roccucci, Garcia

Noes: None

Absent: Rohan

9.4. Resolution of Formation of Fiddymment Ranch Community Facility District No. 5 (Public Facilities)

Memo from Administrative Analyst Jeannine Thrash and Finance Director Monty Hanks recommending Council adopt RESOLUTION NO. 16-84 OF FORMATION OF THE CITY COUNCIL OF THE CITY OF ROSEVILLE TO FORM FIDDYMENT RANCH COMMUNITY FACILITIES DISTRICT NO. 5 (PUBLIC FACILITIES); adopt RESOLUTION NO. 16-85 DETERMINING NECESSITY TO INCUR BONDED INDEBTEDNESS FOR THE CITY OF ROSEVILLE FIDDYMENT RANCH COMMUNITY FACILITIES DISTRICT NO. 5 (PUBLIC FACILITIES); adopt RESOLUTION NO. 16-86 OF THE CITY COUNCIL OF THE CITY OF ROSEVILLE CALLING SPECIAL ELECTION REGARDING FIDDYMENT RANCH COMMUNITY FACILITIES DISTRICT NO. 5 (PUBLIC FACILITIES); adopt RESOLUTION NO. 16-87 DECLARING RESULTS OF SPECIAL ELECTION AND DIRECTING RECORDING OF NOTICE OF SPECIAL TAX LIEN REGARDING FIDDYMENT RANCH COMMUNITY FACILITIES DISTRICT NO. 5 (PUBLIC FACILITIES); and adopt ORDINANCE NO. 5652 OF THE CITY COUNCIL OF THE CITY OF ROSEVILLE LEVYING SPECIAL TAXES WITHIN CITY OF ROSEVILLE FIDDYMENT RANCH COMMUNITY FACILITIES DISTRICT NO. 5 (PUBLIC FACILITIES). On February 23, 2004 the Fifth Amendment of Development

Agreement by and between the City of Roseville and Roseville Fiddymment Land Venture, LLC, relative to the West Roseville Specific Plan was approved by City Council. With this amendment the Developer and the City agreed to form an 'Overlay' Community Facilities District ("CFD") with respect to Fiddymment Ranch CFD No. 1 for the purpose of financing the construction and/or acquisition of public infrastructure and facilities within the property. These funds may be used to retire project CFD (Fiddymment Ranch CFD No. 1) debt on the property and to construct and /or acquire the improvements and facilities authorized in the Amendment. The total special taxes under this Amendment, according to land use type, within the 'Overlay' CFD shall be less than or equal to, but no more than, the total special taxes for equivalent individual unit types under the revised Section 3.18.1 (of the 5th Amendment) prior to the increase in housing density allowed by the Amendment. ATC Realty One, LLC, the landowner of the land proposed to be included in the District has requested that the City form an 'Overlay' CFD which will be known as Fiddymment Ranch CFD No. 5 (Public Facilities). The property within the boundaries of the CFD will be assessed special taxes as described in the Rate and Method of Apportionment, included in the attached Hearing Report. The new bond issue will be in phases, and the total bond issues will not exceed \$75 million, and will include the funds to prepay the CFD 1 bonds on those parcels that are within the CFD No. 5 boundaries. The purpose of the Public Hearing for Fiddymment Ranch Community Facilities District No. 5 (Public Facilities) and these proceedings are to: 1) hear all interested persons on matters pertaining to the formation of the CFD; 2) set the maximum amount of bonds that can be sold over the life of the CFD; 3) call a special election of the eligible voters in the CFD (landowners); and 4) declare the election results and direct the City Clerk to record a Notice of Special Tax Lien at the County of Placer. The Preliminary Official Statement will be presented at a future City Council meeting. On January 20, 2016, the City Council adopted Resolution of Intention 16-09, to Form a Community Facilities District and Levy a Special Tax in Fiddymment Ranch Community Facilities District No. 5 (Public Facilities), and set Wednesday, March 16, 2016 at 7:00 p.m. as the time and place to conduct the public hearing. The CFD will generate special taxes that will be paid by the property owners sufficient to pay the costs for debt service, CFD administration, and any authorized pay-as-you-go facilities. The formation, annexation, and administration of the CFDs will not impact the City's General Fund.

CC #: 7515

File #: 0206-03-01

CONTACT: Jeannine Thrash 916-774-5473 jthrash@roseville.ca.us

Monty Hanks 916-774-5313 mhanks@roseville.ca.us

Mayor Garcia opened the public hearing.

Financial Analyst Vanessa Lieberman made the presentation to Council.

Financial Analyst Vanessa Lieberman introduced Administrative Analyst Jeannine Thrash.

Administrative Analyst Jeannine Thrash made the presentation to Council.

No public comment received.

City Clerk Sonia Orozco announced the election results as follows:

Number of Votes Yes	583
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Number of Votes No 0
Number of Votes Eligible 583
Percent of Votes in Favor 100%
And declared the ballot measure passed by a majority of vote

Mayor Garcia closed the public hearing.

Motion by Herman, seconded by Roccucci, to adopt RESOLUTION NO. 16-84 OF FORMATION OF THE CITY COUNCIL OF THE CITY OF ROSEVILLE TO FORM FIDDYMENT RANCH COMMUNITY FACILITIES DISTRICT NO. 5 (PUBLIC FACILITIES);

and,

adopt RESOLUTION NO. 16-85 DETERMINING NECESSITY TO INCUR BONDED INDEBTEDNESS FOR THE CITY OF ROSEVILLE FIDDYMENT RANCH COMMUNITY FACILITIES DISTRICT NO. 5 (PUBLIC FACILITIES);

and,

adopt RESOLUTION NO. 16-86 OF THE CITY COUNCIL OF THE CITY OF ROSEVILLE CALLING SPECIAL ELECTION REGARDING FIDDYMENT RANCH COMMUNITY FACILITIES DISTRICT NO. 5 (PUBLIC FACILITIES);

and,

adopt RESOLUTION NO. 16-87 DECLARING RESULTS OF SPECIAL ELECTION AND DIRECTING RECORDING OF NOTICE OF SPECIAL TAX LIEN REGARDING FIDDYMENT RANCH COMMUNITY FACILITIES DISTRICT NO. 5 (PUBLIC FACILITIES);

and

adopt ORDINANCE NO. 5652 OF THE CITY COUNCIL OF THE CITY OF ROSEVILLE LEVYING SPECIAL TAXES WITHIN CITY OF ROSEVILLE FIDDYMENT RANCH COMMUNITY FACILITIES DISTRICT NO. 5 (PUBLIC FACILITIES).

Roll call vote: Ayes: Gore, Herman, Roccucci, Garcia

Noes: None

Absent: Rohan

9.5. Tax and Equity Fiscal Responsibility Act Hearing for Manzanita Place Apartments

Memo from Administrative Analyst Jeannine Thrash and Finance Director Monty Hanks recommending Council adopt RESOLUTION NO. 16-91 APPROVING THE ISSUANCE OF MULTIFAMILY HOUSING REVENUE BONDS BY THE CALIFORNIA MUNICIPAL FINANCE AUTHORITY FOR THE PURPOSE OF FINANCING THE ACQUISITION AND REHABILITATION OF A MULTIFAMILY RENTAL HOUSING FACILITY FOR SENIORS KNOWN AS MANZANITA PLACE. Volunteers of America National Services requested that the California Municipal Finance Authority (CMFA) serve as a municipal issuer of the Bonds in an aggregate principal amount not to exceed \$10,000,000. The proceeds of the Bonds will be used for financing the costs of the acquisition and rehabilitation of a 63 unit multifamily residential rental facility for seniors located at 1019 Madden Lane in the City of Roseville known as Manzanita Place, to be owned by the Borrower and to be operated initially by VOANS or an affiliate thereof.

CC #: 7519

File #: 0709

CONTACT: Jeannine Thrash 916-774-5473 jthrash@roseville.ca.us

Monty Hanks 916-774-5313 mhanks@roseville.ca.us

Mayor Garcia opened the public hearing.

Finance Director Monty Hanks made the presentation to Council.

Robert Uvalle, Construction and Facility Manager for Volunteers of America, spoke in support.

Mayor Garcia closed the public hearing.

Motion by Herman, seconded by Roccucci, to adopt RESOLUTION NO. 16-91 APPROVING THE ISSUANCE OF MULTIFAMILY HOUSING REVENUE BONDS BY THE CALIFORNIA MUNICIPAL FINANCE AUTHORITY FOR THE PURPOSE OF FINANCING THE ACQUISITION AND REHABILITATION OF A MULTIFAMILY RENTAL HOUSING FACILITY FOR SENIORS KNOWN AS MANZANITA PLACE.

Roll call vote: Ayes: Gore, Herman, Roccucci, Garcia

Noes: None

Absent: Rohan

9.6. Creekview Specific Plan - Specific Plan Amendment

Memo from Associate Planner Wayne Wiley and Development Services Director Kevin Payne recommending Council adopt RESOLUTION NO. 16-79 AMENDING THE CREEKVIEW SPECIFIC PLAN. This is a request for a Specific Plan Amendment to allow the transfer of 68 residential units between 23 Creekview Specific Plan large lot parcels including unit transfers in excess of 20% for two Medium Density Residential parcels and the transfer of 27 units from Low Density Residential and Medium Density Residential parcels to High Density Residential parcels. The transfer of units between large lots within the specific plan will have a negligible fiscal impact.

CC #: 7501

File #: 0400-04-13

CONTACT: Wayne Wiley 774-5283 wwiley@roseville.ca.us

Mayor Garcia opened the public hearing.

Development Services Director Kevin Payne made the presentation to Council.

Development Services Director Kevin Payne introduced Planning Manager Greg Bitter and Associate Planner Wayne Wiley.

Associate Planner Wayne Wiley continued the presentation to Council.

No public comment received.

Mayor Garcia closed the public hearing.

Motion by Gore, seconded by Herman, to adopt RESOLUTION NO. 16-79 AMENDING THE CREEKVIEW SPECIFIC PLAN.

Roll call vote: Ayes: Gore, Herman, Roccucci, Garcia

Noes: None

Absent: Rohan

9.7. Municipal Code Amendment - Parking and Residential Development Standards

Memo from Senior Code Enforcement Officer Paul Camilleri and Development Services Director Kevin Payne recommending Council introduce for first reading ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE AMENDING SECTIONS 11.20.060 AND 11.20.110 OF CHAPTER 11.20 OF TITLE 11 AND SECTION 19.10.030 OF CHAPTER

19.10 OF TITLE 19 OF THE ROSEVILLE MUNICIPAL CODE REGARDING PARKING AND RESIDENTIAL DEVELOPMENT STANDARDS. This item is a request to amend both the Zoning Ordinance and Vehicle Traffic section of the Roseville Municipal Code to address parking vehicles in areas designated for landscaping in residential zones, and to address the parking of Commercial Vehicles in these zones. These amendments are in direct response to on-going neighborhood complaints associated with these issues. The change in regulation may create additional workload for the City's Code Enforcement section but the actual cost to the General Fund will be absorbed as part of this section's annual work program.

CC #: 7533

File #: 0800-06

CONTACT: Paul Camilleri 774-5459 pcamilleri@roseville.ca.us

Mayor Garcia opened the public hearing.

Development Services Director Kevin Payne made the presentation to Council.

Development Services Director Kevin Payne introduced Senior Planner Derek Ogden and Senior Code Enforcement Officer Paul Camilleri.

Senior Planner Derek Ogden continued the presentation to Council.

Scott Alvord, Executive Board of RCONA, spoke in support.

Mayor Garcia closed the public hearing.

Motion by Herman, seconded by Gore, to introduce for first reading ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE AMENDING SECTIONS 11.20.060 AND 11.20.110 OF CHAPTER 11.20 OF TITLE 11 AND SECTION 19.10.030 OF CHAPTER 19.10 OF TITLE 19 OF ROSEVILLE MUNICIPAL CODE REGARDING PARKING AND RESIDENTIAL DEVELOPMENT STANDARDS.

Roll call vote: Ayes: Gore, Herman, Roccucci, Garcia

Noes: None

Absent: Rohan

9.8. Municipal Code Amendment - Medical Marijuana Regulations

Memo from Planning Manager Gregory Bitter, Deputy City Attorney Joseph Speaker, Development Services Director Kevin Payne, and City Attorney Robert Schmitt recommending Council introduce for first reading ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE REPEALING CHAPTERS 9.95 AND 9.96 OF TITLE 9 OF THE ROSEVILLE MUNICIPAL CODE AND ADDING CHAPTERS 19.62 AND 19.63 TO TITLE 19 OF THE ROSEVILLE MUNICIPAL CODE REGARDING MEDICAL MARIJUANA CULTIVATION AND DISPENSARIES. The Ordinance amendment makes modifications to the City's Medical Marijuana Regulations to ensure consistency and compliance with the State of California's Medical Marijuana Regulation and Safety Act (MMRSA) of 2015. The proposed modifications relate to the City's definitions for marijuana, medical marijuana use, distribution, delivery, cultivation, transport, and processing. In accordance with the MMRSA, the Ordinance will move the City's Medical Marijuana and Marijuana Cultivation regulations from Title 9 – Health and Safety to Title 19 - Zoning. The proposed regulations do not significantly change the existing structure and enforcement of the City's medical marijuana and marijuana cultivation regulations. This item will not have any additional impacts to the General Fund.

CC #: 7544

File #: 0800-06

CONTACT: Greg Bitter 744-5294 gbitter@roseville.ca.us

Joseph Speaker 774-5329 jspeaker@roseville.ca.us

Mayor Garcia opened the public hearing.

Development Services Director Kevin Payne made the presentation to Council.

Development Services Director Kevin Payne introduced Planning Manager Greg Bitter, Deputy City Attorney Joseph Speaker, and Police Chief Daniel Hahn.

Planning Manager Greg Bitter continued the presentation to Council.

Deputy City Attorney Joseph Speaker continued the presentation to Council.

Police Chief Daniel Hahn continued the presentation to Council.

Mica Heilmann, spoke on concerns and related impacts such as crime.

Mayor Garcia closed the public hearing.

Motion by Herman, seconded by Gore, to introduce for first reading ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE REPEALING CHAPTERS 9.95 AND 9.96 OF TITLE 9 OF THE ROSEVILLE MUNICIPAL CODE AND ADDING CHAPTERS 19.62 AND 19.63 TO TITLE 19 OF THE ROSEVILLE MUNICIPAL CODE REGARDING MEDICAL MARIJUANA CULTIVATION AND DISPENSARIES.

Roll call vote: Ayes: Gore, Herman, Roccucci, Garcia

Noes: None

Absent: Rohan

10. COUNCIL / STAFF / REPORTS/ COMMENTS

10.1. 2015 Crime Rates and Trends Report

CONTACT: Daniel Hahn 774-5014 dhahn@roseville.ca.us

Police Chief Daniel Hahn made the presentation to Council.

11. ADJOURNMENT

Motion by Herman, seconded by Gore, to adjourn the meeting at 9:35 p.m.

CAROL GARCIA, MAYOR

SONIA OROZCO, CMC
CITY CLERK



COUNCIL COMMUNICATION

CC #: 7655
File #: 0102-11

Title: Medical Marijuana Regulation Presentation
Contact: Sonia Orozco 916-774-5263 sorozco@roseville.ca.us

Meeting Date: 5/4/2016
Item #: 9.1.

RECOMMENDATION TO COUNCIL

Presentation by Bekki Riggan, Deputy CEO, and Josh Huntsinger, Agriculture Commission/Sealer on Placer County's community outreach approach.

BACKGROUND

N/A

FISCAL IMPACT

N/A

ECONOMIC DEVELOPMENT / JOBS CREATED

N/A

ENVIRONMENTAL REVIEW

N/A

Respectfully Submitted,

Sonia Orozco, City Clerk

A handwritten signature in blue ink, appearing to read "Sonia Orozco", with a long horizontal flourish extending to the right.

Rob Jensen, City Manager

ATTACHMENTS:

Description

Placer County Memo



MEMORANDUM
OFFICE OF THE
COUNTY EXECUTIVE OFFICER
COUNTY OF PLACER

TO: Honorable Mayor Carol Garcia

FROM: Bekki Riggan, Deputy County Executive Officer
Joshua Huntsinger, Agricultural Commissioner/Sealer

A handwritten signature in black ink, appearing to read "B. Riggan", is written over the name "Bekki Riggan" in the "FROM:" field.

DATE: April 28, 2016

SUBJECT: Medical Marijuana Policy Outreach

BACKGROUND:

In light of the passage of the California Medical Marijuana Regulation and Safety Act (MMRSA) on October 9, 2015 enabling local regulation of the commercial medical marijuana industry, Placer County is in the process of seeking public input in drafting an ordinance that seeks to balance the legal rights of patients and caregivers with those of adjoining neighbors and other community members regarding the cultivation, production, and distribution of this product in the unincorporated areas of the County.

Since the passage of Proposition 215 in 1996 allowing patients access to medical marijuana, the last 20 years have been comprised of periodic litigation, as well as a lack of uniformity in health and safety codes across the State, providing a disservice not only to patients with legitimate medical needs, but also to the general public. MMRSA, which was sponsored by numerous government agencies including the League of California Cities and the California Police Chiefs Association, established a needed regulatory framework to address these issues moving forward. The bill consists of several licensing types; including cultivation, manufacturing, testing, dispensaries, distribution and transportation.

On January 5th, the Board of Supervisors directed staff to conduct analysis and public outreach regarding medical marijuana. A working group comprised of staff from several County departments, including the Agricultural Commission, County Executive Office, County Counsel and Planning Department, are working to develop recommendations for a regulatory framework consistent with MMRSA, to be presented to the Board of Supervisors for action at a later date.

As the Board of Supervisors directed, County staff has been providing community outreach consisting of two town hall meetings and numerous Municipal Advisory Committee (MAC) presentations throughout Placer County, and are now soliciting input from interested City Councils within Placer County.



COUNCIL COMMUNICATION

CC #: 7624
File #: 0800-03

Title: FY2016-17 Budget Update - Electric Department
Contact: Philip McAvoy 916-774-5689 pmcavoy@roseville.ca.us

Meeting Date: 5/4/2016
Item #: 9.2.

RECOMMENDATION TO COUNCIL

This is an informational item. No action is required.

BACKGROUND

The FY2016-17 budget preparation is underway and staff wants to keep the City Council informed with various budget related information and estimates as they become available. The updates are intended to solicit input and feedback from the council to ensure staff prepares their budgets that support the council goals and priorities outlined during the budget workshop.

Staff will be providing Council with an update on the Electric Department for the FY2016-17 budget year.

FISCAL IMPACT

There is no fiscal impact for this report.

ECONOMIC DEVELOPMENT / JOBS CREATED

No jobs will be created by this informational report.

ENVIRONMENTAL REVIEW

The staff report is statutorily exempt from the California Environmental Quality Act (CEQA) based on Section 15273 of the CEQA Guidelines. No other CEQA action is required.

Respectfully Submitted,

Philip McAvoy, Electric Rates & Financial Administrator

Michelle Bertolino, Electric Utility Director

A handwritten signature in blue ink, appearing to be 'Rob Jensen', with a long horizontal stroke extending to the right.

Rob Jensen, City Manager

ATTACHMENTS:

Description

FY2016-17 Budget Update - Electric PPT

Roseville Electric FY17 Budget Overview

Roseville City Council

Michelle Bertolino

May 4, 2016

Electric Budget Highlights

- Operating budget = \$162 million
- Capital budget = \$22 million
- New Construction Fund
- Absorb Fleet Replacement funds
- Rate Stabilization Fund at 40%

Electric Operating Budget

- Balanced budget
- Lower operating expenses
- Flat operating revenues
- No rate increases
- No hydroelectric adjustment

Electric Capital Budget

- Community Solar: alternative solar option for customers
- Formal 5-year CIP Plan process
- Major capital projects in FY17:
 - * Douglas Substation Rehab = \$2.8 million
 - * Sierra Vista Substation = \$2.5 million
 - * Power Plant projects = \$6.7 million
- Technology projects
 - * AMI * ERP * EAM * EV study



COUNCIL COMMUNICATION

CC #: 7642

File #: 0900-04-02 & 0201-01

Title: Washington Boulevard/Andora Bridge Widening Project - Professional Design Services Agreement and Budget Adjustment

Contact: Luz "Nina" Buelna 916-746-1300 nbuelna@roseville.ca.us

Meeting Date: 5/4/2016

Item #: 10.1.

RECOMMENDATION TO COUNCIL

Staff recommends that the City Council adopt a resolution to approve the Professional Design Services Agreement with Mark Thomas & Company (MT&Co) for Environmental and Engineering Services and authorize the City Manager to execute it, in the not to exceed amount of \$3,470,182.00 for the Washington Boulevard/Andora Bridge Widening Project and authorize a budget adjustment to transfer \$1,814,300.00 from the Traffic Mitigation Fund to the project account.

BACKGROUND

The Council-adopted Roadway Capital Improvement Program calls for the entire length of Washington Boulevard to have four lanes. Most of Washington Boulevard already has four lanes, however, the stretch from Sawtell Road to Diamond Oaks Road only has two lanes. This is the segment of roadway that has the narrow, 2-lane railroad underpass known as the Andora Underpass. The proposed project will widen this segment of Washington to a four lane road and will include a complete reconstruction of the Andora Undercrossing to accommodate a four-lane road. See Attachment A for a location map.

Proposed improvements include: two northbound and two southbound lanes, curb, gutter, and sidewalk, curb ramps, Class II bike lanes, a Class I bike trail, a center median; railroad overcrossing replacement; drainage system improvements, and underground signal interconnect. Selection of the design consultant began with a nationwide Request for Qualifications (RFQ) using Public Purchase. The City received 10 responses to the request. From those 10, a review committee narrowed the field down to the three most qualified firms. In February of this year, the RFP was provided to those three consultants. The three consultants submitted both a written proposal and provided a presentation to the six-person review committee regarding their project understanding and proposed design process. The City's evaluation team ranked the proposals and presentations and selected MT&Co.

The design and environmental documentation for this project is anticipated to be completed in 2018. Part of MT&Co's scope of work includes assistance in trying to procure outside funding

sources for the construction of this project. Should the City be successful in procuring federal and/or state grants, construction could begin as early as 2019. If unsuccessful in acquiring outside funding, it could be 10 years or more before we have sufficient Traffic Mitigation Fee (TMF) funds available to construct this \$18 million project. However, having the project "shelf ready" with environmental clearances and the design completed will make the project more competitive for state and federal grants.

PUBLIC OUTREACH

Public Works staff will be working closely with MT&Co's communications team (CT) to develop a public outreach campaign to keep the community informed of the project's design progress and traffic handling during the construction phase of the project. This includes disseminating the latest information on the City's web page and through news stories, traffic alerts, and social media. The CT will identify key stakeholders, including residents and the motoring public, that will be affected by construction of the project. At key milestones, the CT will provide updates to stakeholders and notify them of upcoming meetings and opportunities to provide feedback.

During the development of the project design and environmental documentation, hands-on workshops will be held with the community and stakeholders. There will be three community meetings which include: a meeting to introduce the project and gather community feedback, public review of environmental documents, and a meeting near the end of the project design phase to present updated concepts.

Staff recognizes that the Andora Undercrossing is one of our main entrances into Downtown Roseville, and therefore aesthetics will be a key component of MT&Co's scope, including obtaining input from the community on aesthetic elements of the project.

FISCAL IMPACT

The MT&Co fee to complete Environmental and Engineering Services for the project is \$3,470,182.00. This cost is in line with other roadway capital improvement projects that are similar in complexity and scope. This project is complex due to the extensive involvement of stakeholders and the coordination of design and construction with UPRR. The replacement of the Andora Bridge will need to meet UPRR design criteria as well as be reviewed and approved by the railroad. Staff and the consultant team will be working closely with UPRR to minimize the bridge cost.

These environmental and engineering services are funded with Traffic Mitigation Fee funds. No General Fund monies will be used. The existing project account currently has a balance of \$2,155,888.41. Staff requests that the City Council approve a budget adjustment in the amount of \$1,814,300.00 from the Traffic Mitigation Fund to cover the MT&Co fee and City staff costs.

ECONOMIC DEVELOPMENT / JOBS CREATED

Based on Federal guidelines, there is one job created for every \$92,000.00 in direct government spending. Based on that figure, this contract will create approximately 38 jobs.

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 (CEQA Guidelines §15061(b)(3)). Approval of the Professional Services Agreement with Mark Thomas and Company

does not include the potential for a significant environmental effect, and therefore is not subject to CEQA. The Agreement includes preparation of appropriate CEQA environmental review documentation for the project. Staff anticipates bringing the final CEQA document to Council for consideration/approval in early fall of 2017.

Respectfully Submitted,

Luz "Nina" Buelna, Associate Engineer

Rhon Herndon, Public Works Director



Rob Jensen, City Manager

ATTACHMENTS:

Description

Exhibit "A"

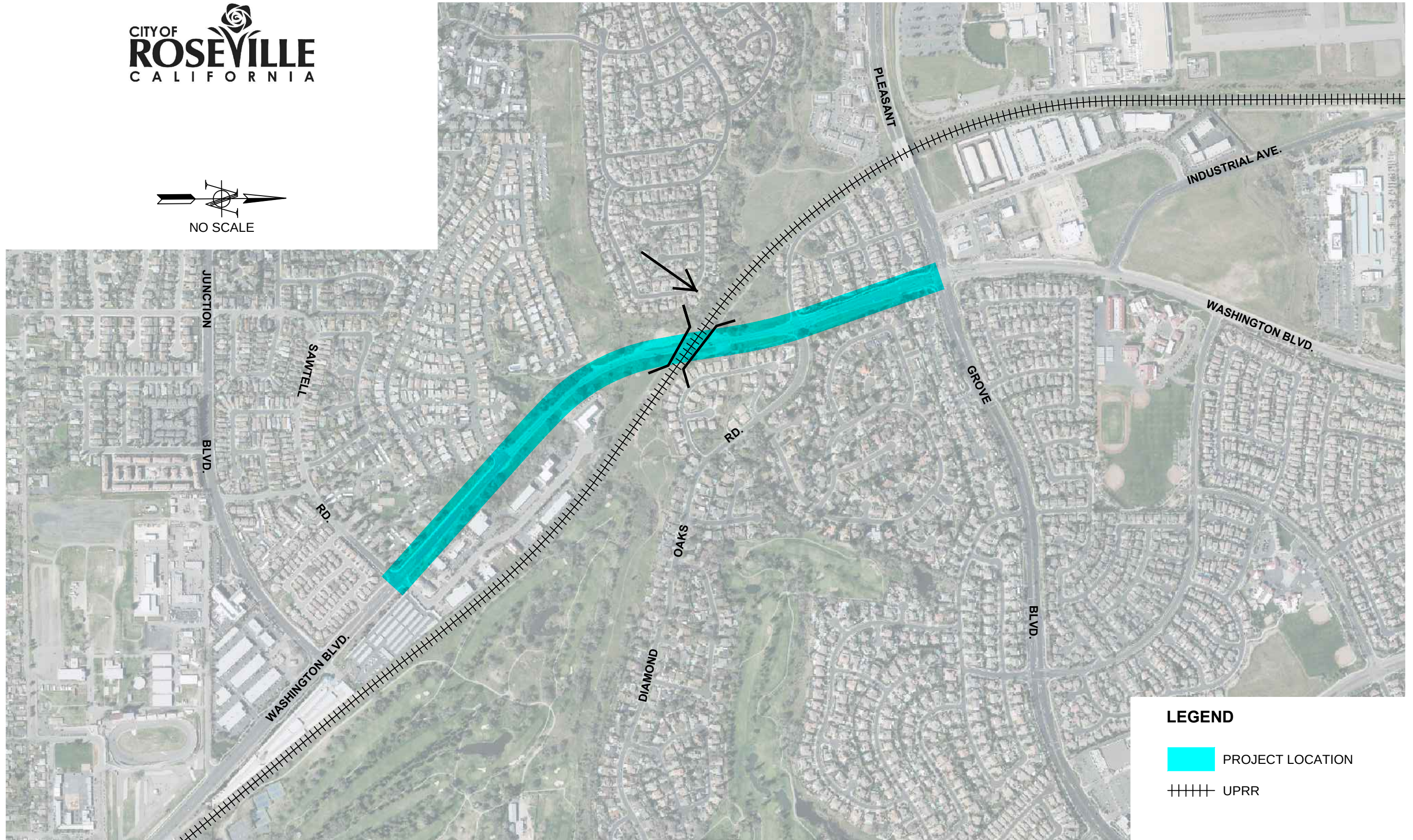
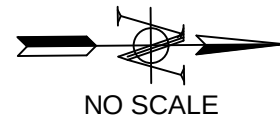
Resolution No. 16-150

AGREEMENT

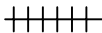
Attachment "A"

Ordinance No. 5677

BUDGET ADJUSTMENT



LEGEND

-  PROJECT LOCATION
-  UPRR

RESOLUTION NO. 16-150

APPROVING A PROFESSIONAL DESIGN SERVICES AGREEMENT BY AND BETWEEN
THE CITY OF ROSEVILLE AND MARK THOMAS & COMPANY, INC., AND
AUTHORIZING THE CITY MANAGER TO EXECUTE IT ON BEHALF OF THE CITY OF
ROSEVILLE

WHEREAS, a professional design services agreement regarding the Washington/Andora Widening project, by and between the City of Roseville and Mark Thomas & Company, 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; and

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 DESIGN SERVICES AGREEMENT

Project: Washington/Andora Widening Project

THIS AGREEMENT is made and entered into this ____ day of _____, 20__,
by and between the City of Roseville, a municipal corporation ("CITY"), and Mark Thomas &
Company, Inc., a California corporation ("CONSULTANT "); and

W I T N E S S E T H:

WHEREAS, CITY desires professional design services consisting of environmental and
engineering services for the Washington/Andora Widening Project; and

WHEREAS, CONSULTANT has prepared a proposal dated March 25, 2016, 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
design services as more fully described herein.

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 three million, four hundred seventy thousand, one hundred eighty-two dollars (\$3,470,182).

CONSULTANT shall submit monthly invoices 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. Prevailing Wages. If any services performed under this Agreement require the payment of prevailing wages, CONSULTANT shall comply with all applicable prevailing wage laws. Additionally, as applicable, CONSULTANT shall require its subcontractors, if any, to comply with all prevailing wage laws for services performed under this Agreement. In accordance with Section 1775 of the California Labor Code, the CONSULTANT shall forfeit as a penalty to the CITY fifty dollars (\$50.00), and/or such other penalty amounts required by statute, for each calendar day or portion thereof, for each worker paid less than the prevailing wage rates for such work or craft in which such worker is employed for any work done under this Agreement by the CONSULTANT or by any subcontractor under the CONSULTANT in violation of the provisions of the California 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 CONSULTANT. Moreover, CITY shall have the right to withhold payment in such amounts as directed by the Department of Industrial Relations or Labor Commissioner. Prevailing wage rates may be obtained from the State Department of Industrial Relations and/or the follow website address:

<http://www.dir.ca.gov/DLSR/PWD/Northern.html>. During the performance of this Agreement, CONSULTANT and its subcontractors, if applicable, shall have a continuing legal obligation to maintain current registration with the Department of Industrial Relations pursuant to Labor Code Section 1725.5. CONSULTANT is hereby notified that this Project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

4. Indemnification. CONSULTANT agrees to indemnify, including the cost to defend CITY, and its officers, agents, employees and volunteers from any and all claims, demands, costs or liability to the extent resulting from or arising out of, or pertaining to, or relating to the negligence, recklessness, or willful misconduct of CONSULTANT and its agents in the performance of services under this contract, but this indemnity does not apply to liability for damages for death or bodily injury to persons, injury to property, or other loss, arising from the sole negligence, willful misconduct or defects in design by CITY or the agents, servants, or independent contractors who are directly responsible to CITY, or arising from the active negligence of CITY.

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.

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

COVERAGE

Workers' Compensation

LIMITS OF LIABILITY

Statutory

Commercial General Liability	\$2,000,000 each occurrence \$4,000,000 aggregate Personal Injury: \$2,000,000 each occurrence \$4,000,000 aggregate
Automobile Liability	\$1,000,000 combined single limit
Professional Liability (errors and omissions)	\$2,000,000 per claim \$4,000,000 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 work 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.

6. Access to Records. Duly authorized representatives of CITY shall have right of access during normal business hours to CONSULTANT's files and records relating to the services performed hereunder, and may review the files and records at appropriate stages during performance of the services.

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

8. 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.

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

10. 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.

11. 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.

12. 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.

13. Representation 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.

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

15. Copyright, Ownership and Use of Materials. All tangible materials ("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, 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.

16. 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.

17. 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 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.

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

19. Severability. If any of the provisions contained in this Agreement is 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.

20. 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

Rhon Herndon
Public Works Director
311 Vernon Street
Roseville, CA 95678

CONSULTANT

Mark Thomas & Company, Inc.
7300 Folsom Boulevard, Suite 203
Sacramento, CA 95826

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

21. 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.

[SIGNATURES ON FOLLOWING PAGE]

CITY OF ROSEVILLE, a
municipal corporation

BY: _____
ROB JENSEN
City Manager

ATTEST:

BY: _____
SONIA OROZCO
City Clerk

APPROVED AS TO FORM:

BY: _____
ROBERT R. SCHMITT
City Attorney

APPROVED AS TO SUBSTANCE:

BY:  _____
RHON HERNDON
Public Works Director

MARK THOMAS & COMPANY, INC., a
California corporation

BY:  _____
its: President

and

BY:  _____
its: Secretary

EXHIBIT "A"



MARK THOMAS & COMPANY

Providing Engineering, Surveying & Planning Services

March 25, 2016

SA-13839

OFFICES

Cupertino

Fresno

Irvine

Oakland

Sacramento

Salinas

San Jose

San Mateo

Walnut Creek

City of Roseville

311 Vernon Street

Roseville, CA 95678

Attn: Ms. Luz "Nina" Buelna, Associate Engineer

RE: COST PROPOSAL - ENVIRONMENTAL AND ENGINEERING SERVICES FOR THE WASHINGTON/ANDORA WIDENING PROJECT

Dear Ms. Buelna,

Attached is the revised contract fee proposal for the Washington/Andora Widening Project, as per Section 7.10 of the RFP. In accordance with this section, a breakdown of the classifications of the persons working on each task, their billing rate, the total hours projected that they will work on each task, their total charge, as well as all other incidental charges are included. In addition to the cost proposal, we have included the revised scope of work which incorporates the comments received from City staff. We have organized the fee proposal by the various phases of the project, the breakdown is as follows:

Phase	Total Amount
Project Management	\$ 375,569.00
Preliminary Engineering/Environmental Clearance	\$ 1,072,249.00
Final Design/Public Outreach	\$ 1,634,632.00
Construction Support	\$ 266,581.00
Reimbursable Expenses	\$ 121,151.00
TOTAL	\$ 3,470,182.00

We have based our fee proposal on the attached scope of services, which was developed from our understanding of the project, discussions with City Staff, as well as our experience from previous projects for the required level of effort to complete this project. As an additional check for our requested fee proposal above, for UPRR grade separation projects we have found the cost for each of the above phases are typically related to the construction costs as described below.

- Project Management – Given the level of effort involved with UPRR coordination, general project management typically equate to 10% of the overall design and environmental effort
- Preliminary Engineering/Environmental Clearance – The effort is typically 8% of the overall construction cost.

- Final Design/Public Outreach – With UPRR Underpass project, there is an additional submittal required to UPRR for review. As such, the cost for this phase typically represent 10% of the overall construction cost.
- Construction Support – For UPRR grade separations the designer will be asked to review various submittals. We typically budget 1.5% of the construction cost for this effort.

Given an assumed project construction cost estimate of roughly \$18,000,000.00, the typical comparative estimate for the various phases above would be as follows:

Phase	Total Amount
Preliminary Engineering/Environmental Clearance (8% of Construction Cost)	\$ 1,440,000.00
Final Design/Public Outreach (10% of Construction Cost)	\$ 1,800,000.00
Construction Support (1.5% of Construction Cost)	\$ 276,000.00
TOTAL (19.5% of Construction Cost)	\$ 3,516,000.00

The Washington/Andora Widening Project also requires additional effort in order to process the necessary approvals from Union Pacific Railroad (UPRR) and the California Public Utilities Commission (CPUC). In particular, because this project will construct a new underpass of UPRR tracks, there are additional submittals required by UPRR Grade Separation Guidelines. In addition to the proposed bridge replacement, the project will also require design and environmental clearance for approximately one mile of track. These items result in additional costs for project at all phases: design, environmental clearance, and construction. The below table reflects the cost savings for the design and environmental clearance phases that would have been possible if the proposed project did not require a grade separated crossing of UPRR tracks.

Phase	Total Savings without UPRR Involvement
Project Management (UPRR Coordination)	\$ 90,000.00
Preliminary Engineering/Environmental Clearance	\$ 275,000.00
Final Design/Public Outreach	\$ 700,000.00
Construction Support	\$ 150,000.00
TOTAL	\$ 1,215,000.00

As shown, the additional effort for the design and environmental clearance of the project associated with UPRR involvement results in approximately \$1.2 million of added costs.

Thank you again for selecting MTCO to partner with the City on delivery of this project. Please let me know if you have any questions.

Sincerely,
MARK THOMAS & COMPANY, INC.



Zach Siviglia, PE
Associate

Project Understanding/Scope of Services

Mark Thomas & Company, Inc. (MTCO) is pleased to submit this proposal to complete the preliminary engineering, environmental clearance, and final Plans, Specifications, Estimates (PS&E) and construction support for the Washington/Andora Widening Project.

MTCO will coordinate the following Scope of Work with the entire Project Team to complete the technical reports, environmental clearance, regulatory agency and UPRR approvals, and final plans, specifications and estimates for the Project. Generally, this will include project management, topographic surveying and base mapping, environmental technical studies, environmental documentation/permitting, preliminary and final engineering, bidding and construction support services. MTCO will also coordinate all design submittals and QA/QC for the project design. MTCO will serve as the central coordinator for all activities between the consulting team, the City, UPRR, and other regulatory agencies

Assumptions

This scope of work has been prepared using the following assumptions:

- The RFP requested 65% submittals, whereas UPRR calls them 60% submittals. We used the UPRR 60% submittal nomenclature as the standard unchecked submittal rather than the City 65% submittal.
- City will pay all UPRR, City and permitting agency costs and related fees
- No new right of way is needed. The City will obtain preliminary title reports (if required) as needed to verify existing rights of way
- No new noise walls are required
- Construction staking notes are not included
- The Geotechnical investigation assumes a two span undercrossing. If a 4-span structure is selected, additional geotechnical borings and investigation will be required.
- A Phase I Initial Site Assessment (ISA) will be performed. It is assumed a Phase II ISA will not be required
- A budget has been assumed for one constructability design review
- MTCO will be reimbursed the actual costs for the constructability design review and construction support services.
- The City will retain a qualified Resident Engineer for the UPRR related work, including review and approval of shoring plans and temporary railroad structures

1.0 PROJECT MANAGEMENT/MEETINGS

MTCO will manage and administer the project. This will include the specific items listed below.

1.1 General Project Management

This task will include ongoing general project coordination with subconsultants and internal staff, including preparing memos, letters, e-mail, and phone calls necessary to manage the project, progress reports, and CPM scheduling and updates. MTCO will also maintain project files in this task.

1.2 Agency Coordination & PDT Meetings

Ongoing monthly coordination meetings will be included with this task. Meetings will include a project kick-off meeting, with representation from the project team, City staff, and other stakeholders (such as UPRR or regulatory agencies). Thereafter, meetings will generally be held monthly. MTCO will take the lead in design coordination progress meetings. Work includes preparation of meeting agenda in consultation with the City Project Manager, distribution of approved meeting agenda, arrangement of attendance of meeting participants, and preparation and distribution of meeting minutes, including recap of actions to be taken prior to the next meeting. The project Critical Path Method (CPM) schedule will be reviewed as part of the meeting.

This scope assumes a total of twenty-four (24) PDT meetings that will conclude after bid opening.

CAInc makes provision for project management and allowance for a Principal and/or Senior Project Manager to attend the kick-off meeting and up to six Project Design Team meetings to address geotechnical design elements of the project.

Wood Rodgers will attend meetings and coordinate with Mark Thomas and the City of Roseville to provide monthly progress reports and schedule updates. The cost estimate is based on participation in 8 project team meetings and a total project involvement duration of 16 months. This task includes an additional four (4) meetings with Mark Thomas to coordinate drainage features design elements and development of mitigation alternatives for evaluation.

RailPros will attend up to five (5) Project Development Team meetings over an assumed 18-month project duration.

This task will also include ongoing agency coordination, including coordination with UPRR, and other project stakeholders. This task will include preparing memos, letters, e-mail, and phone calls necessary to manage the project.

1.3 Union Pacific Railroad (UPRR) and California Public Utility Commission (CPUC) Coordination

MTCO and RailPros will be responsible for railroad coordination, including initial meetings with UPRR, and development of design criteria (i.e. # of tracks, clearances, etc). This will include the Concept ("A"), 30% ("B"), 60% ("C") and 100% ("D") Submittals to UPRR to facilitate design plan approval.

1.3.1 Right-of-Entry Agreement

UPRR requires parties entering the railroad right-of-way to execute a Right-of-Entry Agreement in which the parties agree to abide by railroad safety rules, schedule and pay for a railroad flagman during the work and obtain railroad protective insurance. In particular survey crews, the geotechnical drilling sub-consultant and the utility potholes that use drilling equipment within the right-of-way will need to obtain a Right-of-Entry Agreement.

UPRR will also require the construction contractor to obtain a Right-of-Entry Agreement. The design team will include this requirement in the project specifications and contract requirements. In addition, the UPRR will expect the City to pay for all of their project related costs including, engineering plans review, signal relocations and construction, flagging and field inspection services, engineering and administrative fees, license fees, and property or right of way acquisition cost.

MTCO will prepare and submit and coordinate the Right-of-Entry agreement with UPRR for survey and environmental studies (non-ground disturbing activities)

1.3.2 License Agreement and UPRR Easement Requirements

It is not anticipated that UPRR will require a new road easement to accommodate temporary and final construction of the grade separation project. If utility relocations are required, a revised license agreement will be required to cover the new utility locations. MTCO will prepare and coordinate License Agreements and UPRR Easement review.

1.3.3 Construction and Maintenance Agreement (C&M)

This agreement would be between the UPRR and the City for the modified grade separation. The agreement will describe proposed improvements and the work that UPRR will do in support of this project. The agreement will also cover the reimbursement requirements of the UPRR for all Railroad Force Account Work and project related costs including, engineering plans review, signal relocations and construction, flagging and field inspection services from the perspective of the impact of the job upon railroad facilities, engineering and administrative fees, license fees, and property or right of way acquisition cost, if needed. At this time, it is not anticipated that UPRR will require a new road easement to be purchased for the project.

MTCO and RailPros will coordinate the UPRR preparation of the Construction and Maintenance Agreement.

1.3.4 California Public Utilities Commission Crossing Application

The California Public Utilities Commission is charged with the public safety of railroad – highway crossings. The grade separation will require the City to submit a formal application to the CPUC, which will ultimately result in a decision by the Commission that the crossing is acceptable; the City is allowed to construct it and to potentially close the existing bicycle underpass. During the development of the design, the project team will meet on site in a diagnostic meeting with the CPUC, the UPRR, and other stakeholders to identify key issues to be addressed by the project design. When the design has been developed and the CEQA document has been approved, the application will be submitted accompanied by a scoping memo which will indicate the category of the application, discuss whether hearings are expected to be necessary and describe the issues that the CPUC needs

to consider in approving the crossing. The application will describe the grade separation and present reasons why it is necessary. It will have three Exhibits. Exhibit A will be a vicinity map of the grade separation. Exhibit B will contain a drawing of the grade separation showing the plan, a profile of the street and a profile of the tracks. Exhibit C will be a legal description of the crossing.

MTCO will prepare the CPUC Crossing Application.

1.4 Project Schedule

MTCO will update the project schedule on a monthly basis for submittal to the City. This will include a review of critical path items, analysis of overall progress, and communication of items for discussion with the City Project Manager.

1.5 Monthly Status Report

MTCO will prepare a monthly status report for submittal to the City. This will include summary of project budget, schedule, critical coordination items, and an assessment of the overall progress of the project.

1.6 Quality Control

The MTCO Quality Control plan consists of established procedures for performing the work (which are reassessed with each project), including methods for design calculations, establishing appropriate levels of design development for intermediate submittals, identification of required plan checks (who, what, when), design checklists, and methods of project documentation.

1.7 Funding Assistance/Local Programs Compliance

MTCO will assist the City to ensure the project is developed in accordance with the guidelines presented in the current Local Assistance Procedures Manual (LAPM) and Caltrans Local Assistance Program Guidelines Manual (LAPG). This task includes any work involved in coordinating with Caltrans, District 3 Local Assistance or the development of the Field Review Forms, Right-of-Way/Utility Certifications, Roadway and Bridge Data Forms, Request for Authorizations (RFA) Packages for various phases, and other forms from the LAPM required for approval.

1.8 Project Coordination

MTCO will assist with additional coordination meetings between the City and UPRR, if required. In addition to the meetings identified above, this task includes an additional 8 meetings with UPRR to review the project and discuss various elements of the project design.

Task 1 Deliverables

- Monthly Status Reports – 24 total
- Meeting Agenda Packets – 24 total
- CPM Schedule Updates – 24 total
- MTCO Quality Control Checklist – 30%, 60%, 95%, 100% and Final Submittals
- "A", "B", "C", "D" Submittals to UPRR
- UPRR Right of Entry Agreement
- License Agreement and UPRR Easement Requirements
- Construction and Maintenance Agreement
- CPUC Crossing Application

2.0 DATA COLLECTION, MAPPING, SURVEYS

2.1 Data Gathering/Field Review

The MTCO project team will collect and review pertinent as-built plans, studies, policies, and previous documentation within the project area. MTCO will prepare and mail (on City letterhead) "A" Utility Plans. Utilities known to operate in the vicinity of the project will be contacted. MTCO will map the existing utilities based on as-built plans, utility maps, field observation, and topographic surveys of above-ground utilities. MTCO will continue to coordinate with utility agencies through final design (see scope below in later phase of work).

2.2 Control Surveys

MTCO survey staff will recover any existing survey control and set control points for use in topo surveys and aerial mapping. The control points become the basis of the Survey Control Diagram. The survey will be based on the California Coordinate System of 1983 (CCS83) Zone 2. Therefore, GPS vectors will tie the survey to the High Precision Geodetic Network.

2.3 Aerial Mapping

The project area will be mapped via aerial photography by Radman Aerial Surveys. The mapping will be at a scale of 1"=50' and will have a one foot contour interval. Flight crosses for aerial mapping will be set by MTCO in accordance with the layout provided by Radman. Crosses will be painted on asphalt surfaces where practical. In other instances, crosses made of paper, cloth or plastic will be set. The aerial control will consist of at least sixteen (15) horizontal and vertical points.

2.4 Supplemental Topography/Hydraulic Sections

MTCO will perform field topography to supplement the photogrammetric mapping generated in Task 2.3. This field topography will consist of the following:

- Cross sections along Washington Boulevard will be performed at an interval of 50 for at least 100 feet beyond the project limits and for 200 feet along side streets (Kaesberg Drive, Diamond Oaks Parkway) for pavement conforms.
- All topographic features within the projects limits that may affect design will be located. These features include curb, gutter and sidewalks, trees (6" dbh and larger, oaks, special), utility poles, fences, signs, mailboxes, driveways, ditches, culverts, manholes (rim and inverts), drop inlets/catch basins (rim and inverts), evidence of underground utilities (including paint marks, pin flags, trench patches), overhead wires and ground areas that were obscured in the aerial mapping.
- Cross sections along Pleasant Grove Creek will be taken to allow for the development of the hydraulic model. For purposes of this scope, we have assumed that 2 sections will be taken at 100 foot intervals upstream/downstream of Washington Boulevard. The remainder of the Hydraulic Study will be based on available LiDAR Data.
- Top of rail elevations at 100-foot intervals between the Washington wye and the lumberyard turnout that is north of Pleasant Grove Boulevard

2.5 Complete base Mapping & Existing Boundary

MTCO will research record mapping and as-built documents at Caltrans and the City. It is assumed that there is currently more than enough R/W for the project. All that is needed is for Record R/W (within +/- 1') except for where the RR intersects Washington Blvd. It is assumed that the city will provide title reports for the RR and adjacent parcels. MTCO will review the PTR and exceptions.

Right of way and utility information will be compiled into the aerial photogrammetric/topo mapping developed in Tasks 2.3 and 2.4. This will serve as the project base map and will be developed in AutoCAD Format.

2.6 Utility Potholing

MTCO will work with a utility potholing company to positively verify horizontal and vertical locations of existing utilities within the project area. For purposes of this scope, two days of utility locating services has been provided.

2.7 Plats & Legals (CPUC)

One Plat and Legal Description is included to support the CPUC GO 88-B Approval.

3.0 PRELIMINARY ENGINEERING (ALTERNATIVE ANALYSIS)

3.1 "A" Submittal to UPRR

This is the Concept submittal per the BNSF-UPRR Guidelines. Details for this task are included in Task 1.3.4 above.

3.2 UPRR Response to "A" Submittal

Details for this task are included in Task 1.3.4 above.

3.3 Traffic Analysis

Fehr & Peers will complete the detailed traffic analysis for the Washington Boulevard Corridor. This will consist of the following tasks.

3.3.1 Alternative Analysis

Fehr & Peers will coordinate with MTCO and the City of Roseville to evaluate several project alternatives. These may include evaluation of potential roadway cross-sections, alignments, design speed, and accommodation of bicycle and pedestrian facilities. This evaluation is intended to be primarily qualitative, but may include a limited amount of technical analysis.

3.3.2 Traffic Analysis

Fehr & Peers will conduct the transportation impact study that can be used in support of the project's environmental document. To the extent possible, Fehr & Peers will rely on data and traffic analyses they previously conducted as part of other studies within the City of Roseville.

Existing Conditions

Fehr & Peers will document existing average daily traffic (ADT) both with schools in session and not in session on Washington Boulevard between Pleasant Grove Boulevard and Junction Boulevard. Fehr & Peers will document weekday AM and PM peak hour volumes and traffic conditions (based on data collected in April 2015) at the following signalized study intersections:

- Washington Boulevard/Pleasant Grove Boulevard
- Washington Boulevard/Diamond Oaks Road
- Washington Boulevard/Sawtell Road
- Washington Boulevard/Junction Boulevard

All intersections are analyzed using procedures described in the *Highway Capacity Manual* (TRB, 2010).

Fehr & Peers will conduct a 12-hour weekday traffic count at the unsignalized Washington Boulevard/Kaseberg Drive intersection. Fehr & Peers will also collect accident data from the City at this intersection for the past three-year period. These counts are necessary to analyze whether existing traffic volumes and accident data at this intersection satisfy any of the applicable warrants (e.g., peak hour volume/delay, four-hour warrant, eight-hour warrant, accident warrant, etc.) contained in the *California Manual of Uniform Traffic Control Devices* (MUTCD) Caltrans, 2014.

Fehr & Peers will document the conditions of bicycle and pedestrian facilities, and transit routes and bus stops in the study corridor.

Existing Plus Project Conditions

Fehr & Peers will use the City of Roseville base year travel demand model to analyze the effects of widening Washington Boulevard to four travel lanes between Pleasant Grove Boulevard and Sawtell Road.

The analysis will require that the travel demand model accurately replicate existing travel patterns (including directionality of movements and overall traffic volumes) in the study area. This is a necessary step so that the analysis of 'plus project' and construction-related conditions is based on accurate traffic forecasts.

Fehr & Peers will analyze the effects of the proposed project at the five study intersections. Although intersections within the widening limits may benefit from the added capacity, intersections beyond the widening limits may experience greater delay (due to induced travel demand). Fehr & Peers will reanalyze whether the Washington Boulevard/Kaseberg Drive intersection satisfies any of the applicable signal warrants under this condition.

Fehr & Peers will also document how bicycle and pedestrian travel along the corridor is improved.

Fehr & Peers will use significance criteria used by the City of Roseville on previous environmental documents to analyze the project-specific impacts of the proposed project. Mitigations will be identified to lessen the significance of impacts.

Cumulative Conditions

The five study intersections will be analyzed under cumulative (2035) conditions using the City of Roseville 2035 CIP travel demand model. The model will be used to develop AM and PM peak hour traffic forecasts for the following scenarios:

- Cumulative No Project (assumes two lanes remains)
- Cumulative Plus Project (assumes widening to four lanes)

Additionally, the cumulative (2035) ADT for each scenario will be reported for the following segments to demonstrate the degree of traffic redistribution caused by the widening:

- Washington Boulevard – north of Pleasant Grove Boulevard
- Washington Boulevard – between Pleasant Grove Boulevard and Diamond Oaks Road
- Washington Boulevard – between Diamond Oaks Road and Junction Boulevard
- Washington Boulevard – south of Junction Boulevard
- Pleasant Grove Boulevard – east of Washington Boulevard
- Pleasant Grove Boulevard – west of Washington Boulevard
- Junction Boulevard – west of Washington Boulevard
- Foothills Boulevard south of Pleasant Grove Boulevard
- Diamond Oaks Road – east of Washington Boulevard

Fehr & Peers will analyze operations at all five study intersections under both cumulative scenarios. Fehr & Peers will also analyze whether the Washington Boulevard/Kaseberg Drive intersection satisfies any of the applicable signal warrants under this condition.

Fehr & Peers will use significance criteria used by the City of Roseville on previous environmental documents to analyze the cumulative impacts of the proposed project. Mitigations will be identified to lessen the significance of identified impacts.

Construction Impact Analysis

Fehr & Peers will work with Mark Thomas & Company to quantitatively analyze up to three construction-related scenarios. These may include full street closures, time-of-day street closures, partial (one-way) street closures, and two-way operations during construction.

To analyze construction-related traffic impacts, we will review hourly directional traffic volumes to determine suitability of partial (i.e., by direction or time-of-day) street closures. We will also conduct travel time runs and use City of Roseville travel demand model to estimate the routes expected to be used by diverted traffic associated with a full street closure.

The construction impact analysis will document how the ADT on the roadways listed above would change during construction. Additionally, Fehr & Peers will analyze weekday AM and PM operations at the following intersections that would potentially be affected by a street closure:

- Washington Boulevard/Pleasant Grove Boulevard
- Washington Boulevard/Junction Boulevard
- Foothills Boulevard/Pleasant Grove Boulevard
- Foothills Boulevard/Junction Boulevard

Fehr & Peers will prepare a draft traffic report that summarizes the results of the study. The draft report will be finalized based on comments provided by the City. Fehr & Peers has budgeted 8 hours of professional staff time to provide written responses to transportation-related comments on the DEIR.

3.4 Geotechnical Analysis and Report

3.4.1 Preliminary Foundation Report

Task 1: Coordination, Document Review, Site Visit

Crawford and Associates, Inc (CAInc) will coordinate with the City of Roseville, UPRR and the design team to discuss the project issues and schedule; review preliminary project data and documents; review published geologic mapping and literature; and perform a site review.

Task 2: Draft and Final Preliminary Foundation Report

CAInc will prepare and submit a Preliminary Foundation Memorandum for the new railroad bridge for use in the bridge type-selection phase of the project.

The memorandum will provide a description of the proposed replacement structure, summary of site geology and subsurface conditions (based on review of available record documents and published geologic data), preliminary seismic data and evaluation consistent with AREMA guidelines, discuss preliminary foundation types (e.g., spread footings, driven piling, and cast-in-drilled-hole piling), preliminary foundation recommendations for bridge foundations. CAInc will include a Preliminary Log of Test Borings if field exploration is completed prior to issuing the Preliminary Foundation Memorandum.

Deliverables:

- Preliminary Foundation Memorandum

3.4.2 Foundation Report (Two-Span bridge Replacement)

Task 1A: Coordination, Obtain Permits, and Mark for USA

Services for this task will be combined with Task 1 for the Geotechnical Design/Materials Report. CAInc will coordinate with the client to discuss the project issues and schedule. We will review the site for drill rig access, mark exploratory boring locations and notify Underground Service Alert (USA). Field exploration will be within City right-of-way or on UPRR land immediately adjacent. CAInc will obtain an encroachment permit from the City of Roseville. We assume that the client will provide rights-of-entry and the City will waive the encroachment permit fees and bond requirements. CAInc will also obtain a County Health Permit to complete the borings.

All boring locations for this project are proposed to be located outside of UPRR right-of-way. One boring for the proposed railroad bridge is planned to be drilled along Washington Boulevard. We assume this boring can be completed without a UPRR permit since the boring will be located within City right-of-way. Therefore, it is assumed the no work will take place on UPRR property, including the area where the road crosses under the railroad tracks, and that a UPRR permit is not required to drill test borings.

Task 1B: UPRR Encroachment Permit

CAInc will obtain a UPRR encroachment permit to complete borings within UPRR Right-of-Way. As part of this task, CAInc also includes provision for required UPRR safety training of field personnel and a UPRR flagger during field exploration. It can take up to 120 days to obtain a UPRR encroachment permit to complete borings within UPRR Right-of-Way. CAInc will also coordinate with UPRR regarding the test boring locations and UPRR underground utility locations.

Task 2: Subsurface Exploration

For a two-span railroad bridge replacement, CAInc will drill, log and sample three exploratory borings to depths of 70 to 80 feet supplemented by three exploratory borings to depths of 20 to 30 feet along the shoofly alignment to obtain subsurface information and soil samples for geotechnical laboratory testing.

CAInc will advance the borings with 4-inch diameter, solid-auger and/or mud-rotary drilling methods. CAInc will collect samples at approximate 5-foot intervals with Standard Penetration Test (SPT) and/or California Modified samplers to obtain blow count information for geotechnical design. Bulk soil samples will also be obtained from the test borings for laboratory analysis. A CAInc Engineer or Geologist will log the borings and direct the sampling operations consistent with current Caltrans requirements. The borings will be backfilled in accordance with County permit requirements.

A lane closure will be required in order to drill a test boring in the travelled way along Washington Boulevard at the proposed bent location. Therefore, CAInc's scope of services for the proposed bridge also includes provision for one day of professional traffic control (lane closure with signs/cones/flaggers) to complete one test boring in the travelled way.

Task 3: Laboratory Testing

CAInc will perform the following laboratory tests on samples or bulk samples obtained from the test borings: Moisture Content and Unit Weight for bearing capacity, lateral capacity, settlement and liquefaction analyses; Direct Shear and/or Unconfined Compressive Strength tests for bearing capacity and lateral pile capacity; Sieve analysis and Plasticity Index for engineering classification; and Minimum Resistivity, pH, Sulfate Content and Chloride Content for soil corrosivity analysis.

Task 4: Evaluation and Analysis

Engineering evaluation and analysis to develop geotechnical recommendations will include: bearing capacity; lateral capacity; lateral earth pressure and coefficient of friction to resist sliding; site seismicity (consistent with AREMA guidelines for the bridge structure); and soil corrosivity.

Task 5: Draft Foundation Report

CAInc will prepare and submit a Draft Foundation Report. The report will include recommendations for railroad bridge design in accordance with current AREMA guidelines and Caltrans format including: Scope of Services; Site Description; Project Description; Field Exploration; Laboratory Testing; Site Geology and Subsurface Conditions; Groundwater Conditions; Geologic Profiles and Engineering Parameters; Seismic Data and Evaluation; Liquefaction Evaluation; Corrosion Evaluation; Bridge Foundation Recommendations; Shoo-fly Embankment; Construction Considerations (including input for abutment and bent shoring); Vicinity Map; Log of Test Borings; and Laboratory Test Results.

CAInc will submit the Draft Foundation Report in electronic format for distribution to the project team for review and comment.

Task 6: Final Foundation Report

Following receipt of all Draft Foundation Report review comments, CAInc will prepare and submit a Final Foundation Report incorporating the comments as necessary.

Deliverables:

- Draft Foundation Report
- Final Foundation Report
- Log of Test Borings

3.4.3 Geotechnical DESIGN/materials Report

Task 1: Coordination, Obtain Permits, and Mark for USA

Services for this task will be combined with the Foundation Report. CAInc will review the site for access, mark exploratory locations and notify Underground Service Alert (USA). Field exploration will be within City right-of-way and on private land. CAInc will obtain an encroachment permit from the City. We assume that the client will provide rights-of-entry and the City will waive the encroachment permit fees and bond requirements.

Task 2: Subsurface Exploration

CAInc will drill, log and sample ten to twelve test borings to 5 to 25 foot depth along the project interval between Sawtell Road (south) to Pleasant Grove Boulevard (north). The borings will be spaced at approximate 500 to 800 foot intervals along Washington Boulevard. The deeper borings will be drilled at locations of cuts/fills, retaining walls and/or culverts.

CAInc will advance the borings with 4-inch diameter, solid-auger and/or mud-rotary drilling methods. CAInc will collect samples at approximate 5-foot intervals with Standard Penetration Test (SPT) and/or California Modified samplers to obtain blow count information for geotechnical design. Bulk soil samples will also be obtained from the test borings for laboratory analysis. A CAInc Engineer or Geologist will log the borings and direct the sampling operations consistent with current Caltrans requirements. The borings will be backfilled in accordance with County permit requirements.

Based on review of the alignment, we expect that the borings can be drilled within the shoulder areas along Washington Boulevard and that traffic signs/cones (without flaggers) will be appropriate for traffic control.

Task 3: Laboratory Testing

CAInc will perform the following laboratory tests on soil samples or bulk samples obtained from the exploratory borings: Moisture Content and Unit Weight; Unconfined Compressive and/or Direct Shear tests; R-Value for pavement design; and, Minimum Resistivity, pH, Sulfate Content and Chloride Content for soil corrosivity analysis.

Task 4: Engineering Evaluation and Analysis

CAInc will perform evaluation and engineering analysis for the following: new pavement sections; new embankment; cut/fill slopes; retaining walls; minor drainage structures; and soil corrosivity for drainage/foundation elements.

Task 5: Draft Geotechnical Design/Materials Report

CAInc will prepare and submit a Draft Geotechnical Design/Materials Report. The report will include conclusions and recommendations for the roadway project elements associated with the Washington Boulevard widening consistent with current Caltrans guidelines/format including: Introduction; Scope of Services; Existing Facilities and Proposed Improvements; Field Exploration; Laboratory Testing; Site Geology and Subsurface Conditions; Groundwater Conditions; Geotechnical Analysis and Design; Construction Considerations; Geotechnical Recommendations and Specifications (e.g., new pavement sections; cuts/fills, subgrade preparation, culvert/retaining wall foundations; corrosion); Vicinity Map; Location of Field Tests; Boring Logs (8.5x11 format); and Laboratory Test Results.

CAInc will submit the Draft Geotechnical Design/Materials Report for distribution to the project review team.

Task 6: Final Geotechnical Design/Materials Report

Following receipt of all Draft Geotechnical Design/Materials Report review comments, CAInc will prepare and submit a Final Geotechnical Design/Materials Report incorporating the comments as necessary.

Deliverables:

- Draft Geotechnical Design/Materials Report
- Final Geotechnical Design/Materials Report

3.4.5 Initial Site Assessment

CAInc will perform the following tasks to provide an Initial Site Assessment (ISA) to evaluate the project vicinity and adjacent properties for evidence of recognized environmental conditions (RECs) and/or potential RECs that may significantly impact the project.

- Review and discuss the project with the City of Roseville, UPRR and the design team.
- Review available project documents and reports including; APN parcel maps, site geology and ground water data. We will review this information for evidence of suspected or known contamination/hazardous materials issues (such as pesticide usage, railroad alignments/spills, industrial parks, orchards, etc.).
- Conduct a limited site reconnaissance to observe current land use and indications of potential contamination at the site, and to view publicly accessible portions of the adjacent properties.
- Review owner representative provided information, if available, regarding past and present operations conducted on the property to assess the potential for RECs.
- Review historical aerial photographs, topographic maps, and soil maps of the site and surrounding properties for indications of site use and potential sources of contamination.
- Perform federal, state, and county records review for indications of the use, misuse, or storage of hazardous and/or potentially hazardous materials on or near the site. The federal, state, and county database search will be provided by a professional record check service.
- Based on the results of the database search, site review, land use and existing assessments, CAInc will determine the risk of potential hazardous materials within and adjacent to the project area.
- Prepare a report summarizing the findings of our review, site reconnaissance, property owner interviews, historical photograph evaluation, and regulatory records review. We will address identified potential contamination and hazardous material impacts to provide recommendations and determine additional investigation and analysis.

CALinc will submit a draft ISA Report for review and comment prior to the final submittal.

Deliverables:

- Draft Initial Site Assessment
- Final Initial Site Assessment

3.5 Hydraulic & Hydrology Study (Draft)

3.5.1 – Hydrology

Wood Rodgers will establish an updated existing and build-out conditions hydrology model with sub-watersheds for the three new areas that need to be separately assessed for the evaluation of proposed improvements. The 2010 Study will be used as a basis for this analysis.

The 2010 Study PL6B2 watershed will be subdivided and parameters will be refined to compute discharge hydrographs necessary for Project evaluation, design and FEMA mapping. Watershed PL6B2 is the area that drains to the series of culverts for the Unnamed Tributary along Washington Boulevard. It is anticipated that this area will need to be subdivided into three drainage areas in order to evaluate the runoff at the culvert crossings.

Three base hydrologic models (HEC-1 input files without precipitation data) will be developed to support the required hydraulic studies. The first one will be for existing conditions discharges for the purposes of establishing a corrected effective model for the CLOMR, the second one will be for the proposed conditions for the CLOMR, and the third one will be based on a general plan build-out scenario for the purposes of flood analysis for the City. Stream routing (Modified Puls) parameters in the HEC-1 models will be updated to be consistent with the updated existing and proposed conditions HEC-RAS model that will be developed for this project. In addition to the reach routing parameters, results from the existing and proposed conditions unsteady-state HEC-RAS models will be used to approximate the diversion from Sierra View Tributary into the roadway sag and the flow routing through the sag into the SBPGC. Though not included in the 2010 Study hydrology, this step is necessary to have an appropriate basis for steady-state discharges in HEC-RAS to reflect the flow changes that may be significant to the CLOMR.

The Placer County Design Precipitation Program (PDP) will be used to develop the HEC-1 input files with various storm-centering locations and storm angles combinations to ensure that appropriate peak flow conditions at the required locations are identified for the design and evaluation recurrence intervals. It is anticipated that 2-, 10-, 25-, 50-, 100-, 200- and 500-year recurrence intervals will be evaluated so that peak discharges for all of these conditions can be determined. (The 2-, 10-, 25-, 100- and 200-year recurrence intervals will be used for impact analysis and the 10-, 50-, 100- and 500-year flows are necessary for FEMA profiles.) The Pleasant Grove Creek Toolbox developed by Civil Engineering Solutions, Inc. will be used to generate the suite of HEC-1 models necessary to establish the flows for the study. The suite of HEC-1 models will be executed and the storm-centering and storm angle combinations that generate the highest discharges at selected locations of concern will be used to provide peak discharges for the existing and proposed conditions steady-state HEC-RAS models. One HEC-1 storm-centering model based on buildout conditions will be selected for input flow hydrographs to evaluate impacts on 2-, 10-, 25-, 100- and 200-year flow hydrographs using unsteady-state HEC-RAS.

3.5.2 Existing Conditions HEC-RAS

The City's HEC-RAS model that was compiled for the 2010 Study was based on a set of existing models that:

1. Are not accurately georeferenced,
2. Are not based on the California Department of Water Resources (DWR) LiDAR,
3. Have cross sections that do not extend across the entire floodplain,

4. Do not include the Unnamed Tributary that has three Washington Boulevard culvert crossings, and
5. Does not simulate the diversion from Sierra View Tributary to the SBPGC.

The Pleasant Grove Creek systemwide HEC-RAS model will be updated at and upstream from the project using DWR LiDAR and project topographic data so that the updated portion:

1. Is georeferenced,
2. Has an improved cross section layout that extends the whole width of the floodplain,
3. Includes the Unnamed Tributaries, and
4. Simulates the diversion from Sierra View Tributary to the SBPGC using lateral structures and a storage area.

In general, bridge and culvert definition will be obtained from the 2010 Study model. The new cross sections will be reviewed using the LiDAR data and aerial imagery to determine where the ground may be obscured by vegetation. Such locations will be identified for field survey along with a request for survey data necessary to ensure proper modeling of bridges and culverts that were not included or not adequately defined in the 2010 Study model. The field survey data (to be provided to Wood Rodgers by Mark Thomas) will be incorporated into the HEC-RAS model.

The update will include new cross sections along the SBPGC beginning approximately 500 feet downstream from its confluence with Sierra View Tributary to a point just upstream from Diamond Oaks Road (2,200 feet of channel with five structures). New modeling for the Sierra View Tributary will be created to replace the current modeling in the 2010 Study model (6,400 feet with two structures). The Unnamed Tributary to the Sierra View Tributary will be added to the model as a new reach with a length of approximately 3,000 feet including three structures.

A steady-state version of the existing conditions HEC-RAS model will be developed to provide hydrologic routing parameters for the HEC-1 models, and to use for water surface profile calculations for the CLOMR. An unsteady-state version of the HEC-RAS model that simulates the existing physical conditions will be run with build-out hydrology to provide a baseline for the evaluation of the impacts of changes in flow routing that may result from the roadway and culvert modifications.

3.5.3 Flood Conveyance Alternatives & Impact Analysis

The steady-state and unsteady-state existing conditions HEC-RAS model will be modified to reflect the layout of the proposed project by lengthening culverts and making other changes necessary to prevent the underpass from flooding during a 100-year storm event as a result of flows originating off-site.

The steady-state proposed conditions HEC-RAS model will be used with existing conditions discharges to quantify the potential impact that the project would have on the 10-, 50-, 100- and 500-year flood profile along the South Branch of Pleasant Grove Creek where there is a regulatory floodway that could be impacted by the project. Wood Rodgers will work with Mark Thomas and the City to determine preferred mitigation to minimize impacts to the FEMA regulatory floodway.

Proposed interim project conditions will be modeled using steady-state HEC-RAS to evaluate alternative shoofly configuration impacts on the Sierra View Tributary. Up to three alternative configurations will be coordinated with Mark Thomas.

The unsteady-state proposed conditions HEC-RAS model will be used to evaluate changes in flood routing associated with changes to the culverts and roadway flooding conditions. Changes to peak flows and peak stages at key locations will be compared to determine if impacts of the project would be significant. Wood Rodgers will work with Mark Thomas and the City to determine preferred mitigation for impacts to peak flows and peak flood stages indicated by the unsteady-state HEC-RAS model results.

3.5.4 Flood Impact and Mitigation Report

Wood Rodgers will prepare a Drainage Impact and Mitigation Report. This report will document development of the HEC-1 and HEC-RAS models prepared for this project, along with project impacts and mitigation measures. Selection and sizing of storm water quality and hydromodification management measures will be presented. The basic outline of the report will be:

- I. Introduction
 - a. Purpose
 - b. Setting
 - c. Criteria
- II. Hydrology
 - a. Watersheds
 - b. Precipitation
 - c. Loss Rates
 - d. Routing
 - e. Model Results
- III. Hydraulics
 - a. Topography
 - b. Model Layout
 - c. Model Details
 - d. Steady-state Analysis
 - e. Unsteady-state Analysis
 - f. Potential Impacts
 - g. Mitigation Alternatives
- IV. Recommendations and Conclusions

Wood Rodgers will provide a draft version of the report, address comments on the draft report and provide a final version of the report.

3.5.5 Conditional Letter of Map Revision Request

The project will require fill to be placed within the regulatory floodway of the South Branch of Pleasant Grove Creek in order to extend both a railroad embankment culvert and a roadway culvert. It is expected that some rise in water surface elevation along the reach with the regulatory floodway will be unavoidable within City property. This will necessitate the submittal of a Conditional Letter of Map Revision (CLOMR) request. It is anticipated that mitigation will be identified to minimize impacts overall as well as to avoid impacts to private property that would result from fill in the regulatory floodway. Any barriers used to protect the roadway from 100-year flooding are not expected to be accredited by FEMA for flood protection.

Wood Rodgers will draft the CLOMR request and compile the models and mapping to support it. The models that will be submitted are listed below:

- The suite of HEC-1 models based on existing conditions hydrology that were used to establish steady-state discharges developed in Task 2 (Updated Existing Conditions Hydrology Model and Proposed Hydrology with Project Routing)
- The updated existing conditions HEC-RAS model developed in Task 3 with peak flows for the 10-, 50-, 100- and 500-year recurrence interval storms based on existing conditions hydrology (Corrected Effective Model)
- A floodway run for SBPGC for the Corrected Effective Model
- The Proposed Conditions Model developed in Task 4 with peak flows for the 10-, 50-, 100- and 500-year recurrence interval storms based on Proposed Hydrology with Project Routing
- A floodway run for SBPGC for the Proposed Conditions Model

Wood Rodgers will complete the necessary CLOMR forms and prepare an appropriate narrative with field photographs. Required tabular data will be included. Work maps will be developed that indicate the new cross section locations and 100-year flood levels. Flood profiles in the appropriate FEMA format will be drafted for proposed conditions for the updated and new reaches. Floodplain delineations will be prepared for the updated portion of SBPGC, Sierra View Tributary and the Unnamed Tributary. Models, documentation and supplemental data will be compiled into the appropriate digital format. All of these work products

will be combined with a plan set to be provided by Mark Thomas in order to complete a draft CLOMR request package that will be submitted to Mark Thomas, who will forward it to the City for review.

Comments from the City on the draft CLOMR request will be addressed and two (2) copies of the CLOMR request will be provided to the City. It is anticipated that the City will endorse and submit the CLOMR request to FEMA with the appropriate processing fee.

Wood Rodgers will address comments related to hydrology, hydraulic analysis and mapping received from FEMA. It is assumed that Endangered Species Act compliance issues will be addressed by others. FEMA processing fees will be paid directly by the City.

3.5.6 Storm Water Quality & Hydromodification Management

Wood Rodgers will provide a summary memorandum that identifies the storm water quality and hydromodification management requirements for this roadway project according to the provisions of the WPSWQDM and Phase II Municipal NPDES General Permit.

Wood Rodgers will coordinate with Mark Thomas and the City to identify acceptable Green Street approaches that could be incorporated into the design in order to improve runoff water quality and limit impacts to runoff rates and volumes. It is assumed that the project configuration will lend itself to a design that can be completed without continuous simulation modeling by following guidelines in the WPSWQDM and the U.S. EPA guidance regarding green infrastructure. Water quality feature layouts, detention volumes and flow control systems to meet hydromodification management criteria will be identified and coordinated with Mark Thomas in order to incorporate appropriate features into design.

Wood Rodgers will provide a draft Post-Construction Storm Water Quality Plan (SWQP), address comments on the draft, and provide a final version of the SWQP.

3.6 Environmental Constraints Memo

ICF/MTCO will prepare a constraints memo documenting the existing sensitive resources in the project area.

3.7 Roadway Drainage Report

MTCO will prepare a drainage report and submit it to the City and UPRR for review. The report will include a delineation of existing and proposed drainage shed areas, calculations for proposed drainage conditions (based upon the Rational Method), and calculations for proposed pipe sizes, inlet locations, and outfall areas. It is assumed that the majority of the roadway drainage will be contained within existing City rights of way and will drain into existing adjacent drainage sheds. A significant storm drain system or retention/detention basins are not anticipated.

3.8 Draft GADs and Shoofly Layouts

Based on the results of the Traffic Analysis and a conceptual alignment review, MTCO will prepare Geometric Approval Drawings (GAD's) for the widening along Washington Boulevard. It is assumed that a total of two GAD's for alternative alignments will be prepared, primarily for alternative roadway profiles and median widths. The geometrics will include traffic operations data, with basic controlling geometric features shown. The conceptual alignment for the proposed shoofly will be developed by RailPros and shown on the GADs. It is assumed that one shoofly alignment will be prepared for each structure alternative location.

The Geometric Drawings will be prepared at a scale of 1" = 100', will show roadway/shoofly alignments, lane and shoulder widths, stationing and ties, cut/fill lines, intersection details, etc. Profiles and traffic volumes will also be shown.

3.9 Architectural Feature Concept Design

MTCO will prepare a concept plan to communicate the basic options for the architectural features on the proposed grade separation and along Washington Boulevard. This plan will serve to support a ballpark cost estimate and determine aesthetic design concept options, potential landscape planting, and potential monument locations. This Technical Memorandum will serve as the basis for developing detailed aesthetic concepts in the final design of the project.

3.10 Structure Advance Planning Studies

MTCO will prepare structure Advance Planning Studies (APS) for the proposed grade separation; a total of three (3) alternatives will be studied. As part of the preparation of the APS's, MTCO will perform the necessary preliminary engineering to justify the proposed bridge types, develop an APS for the structure per UPRR design requirements, and develop a "cost estimate for the structures work. The estimate will be prepared in the usual format for bridge projects. Preliminary design (for member sizing) of the structures will be performed to ensure that it meets the latest AREMA standards and UPRR Standard Plans.

3.11 Preliminary Cost and Construction Schedule Estimates

MTCO prepare preliminary level quantities and cost estimates for each of the alternatives, including phasing. This will include construction costs (roadway, shoofly and structures), City share of utility relocation costs, and an estimate of future project development activity costs (environmental, engineering, and construction administration). Preliminary construction schedules showing alternatives for stage construction and a roadway shutdown/detour will also be developed. It is assumed that construction schedules will be prepared for each structure alternative and its related shoofly.

3.12 Alternative Analysis Memo

MTCO will summarize the information in Tasks 3.9 through 3.11 into a summary memo that documents concepts, construction costs, environmental constraints, and construction impacts. An initial recommendation for alternatives to be carried through the environmental document will be made.

3.13 Prepare 30% Plans

MTCO will complete 30% plans, estimates, and supplemental materials for the project. 30% Plans will be based upon the preferred alternative selected in the GADs and Structure APSs. These designs will be advanced to the 30% level and will include roadway plan/profile information, bridge General Plan, superelevation, location of proposed sidewalks, driveway conforms, traffic signal locations, crosswalks, and retaining wall layouts. Additional information for the UPRR "B" submittal for shoofly construction and staging will be included.

3.14 B Submittal to UPRR and Respond to "A" Comments

If not previously submitted as part of normal coordination activities, the Response to UPRR "A" comments will be included.

Formal response to UPRR and City comments will be provided. If needed, a comment resolution meeting will be held prior to formal comment resolution submittal.

Task 3 Deliverables

- Draft and Final Traffic Analysis
- Draft and Final Geotechnical Analysis and Report and LOTB's
- Draft and Final Hydraulic & Hydrology Study
- Draft and Final CLOMR request
- Environmental Constraints Map
- GAD's and Shoofly Layouts for three alternatives
- Structure APS's
- Preliminary Cost Estimates
- Draft and Final Alternative Analysis Memo
- 30% Plans and UPRR "B" Submittal

4.0 UTILITY COORDINATION

Using the information obtained from the Utility companies in Task 2, MTCO will identify utility conflicts with the proposed work. This will include preparing Utility "A", "B" and "C" letters along with Notice to Owners, Reports of Investigations, Utility Conflict Maps, Utility Agreements, and Utility Certification to satisfy Caltrans requirements. Once completed, Utility Certification packages will be sent to the City and Caltrans for approval and included in the Right of Way Certification package.

MTCO has included utility potholing to positively locate high risk facilities within the project area. For purposes of this scope we have included two (2) days of potholing to locate/verify utility facilities.

Task 4 Deliverables

- Utility “B” and “C” Letters (5 copies)
- Utility Conflict Maps (5 copies)
- Utility Agreement/Certification Packages (5 copies)

5.0 ENVIRONMENTAL

The Mark Thomas team will work closely with the City to prepare the required technical studies to support a NEPA Categorical Exclusion (CE), a CEQA Environmental Impact Report (EIR), and associated state and federal permit applications. We believe that this is a parallel effort that will involve first preparing a detailed project description that will satisfy NEPA CE (and associated Caltrans technical studies), CEQA EIR, and permit applications and then initiating the Caltrans technical studies – many of which will support the CEQA analyses and state and federal permits. The CEQA EIR (preparation of the NOP) will start shortly after the initiation of the Caltrans technical studies. Based on our team’s extensive and recent experience in the City and working with Caltrans District 3 staff, we have developed a scope of work that we believe will support the City from project development to project delivery.

As discussed in Subtask 5.4, we believe the City may want to consider preparing a supplemental document to the *Environmental Impact Report for the City of Roseville 2015 Transportation System Capital Improvements Program* (certified in 2000) (herein referred to as the 2015 CIP EIR). The EIR would also describe the previously certified 2020 CIP Supplemental and Subsequent EIRs. Preparing a Supplemental EIR for this project may provide a variety of time and cost benefits. In addition, the Subsequent EIR would not be subject to the fair argument test.

As requested in the RFP, the format for all environmental documents/technical studies will conform to City and Caltrans guidelines. ICF will provide administrative draft (five copies), screen check draft (five copies), and public draft iterations for both draft and final environmental documents. For document reproduction, our scope includes fifty (50) copies of the public draft CEQA document plus one unbound camera-ready copy and five electronic copies in pdf and Microsoft Word format on CD. For the final CEQA document, our scope includes forty-five (45) copies plus one unbound camera-ready copy and electronic copies in pdf and Microsoft Word format on CD.

5.1. Prepare Project Description

Preparing a detailed project description that contains all the required elements to support the NEPA technical studies, EIR, and permit applications is key to expediting the schedule and developing feasible project alternatives. ICF will work with the project team to prepare a project description that will be used in the Caltrans technical documents, CEQA document, and future permit applications. We will rely on the information provided in the engineering drawings and other information to support preparation of the project description. The draft project description will be provided to the City for review via electronic email and then revised based on comments received. We know that the project will evolve through PS&E and will be prepared to modify the description, as necessary.

5.2. Prepare Caltrans’ Preliminary Environmental Study

The ICF will complete the Caltrans’ Preliminary Environmental Study (PES) form using the Caltrans Local Assistance Procedures Manual Chapter 6, Environmental Procedures. The PES will include a description of the project (including preliminary design and construction-related information), purpose and need, regional and project location maps, engineering drawings and project footprint, and an analysis of the potential environmental effects associated with the proposed project. ICF will work with the City to determine the required technical studies and analyses that may be required by Caltrans to support the CE.

As part of this task, ICF will also coordinate with the City and Caltrans to determine if a field review is necessary with Caltrans environmental staff. The draft PES form will be sent to Caltrans for review and to support a determination of whether or not a field review meeting is necessary. Based on the results of the field review meeting (if required by Caltrans), ICF will prepare and submit the final PES form for signature by Caltrans. The form will be finalized and distributed for signature within one week.

after the field review meeting. The PES will determine conclusively which technical reports will be required by Caltrans to support the environmental document and what level of environmental document is appropriate.

5.3. Prepare Caltrans' Technical Studies and Support Issuance of the Categorical Exclusion

The RFP identified noise, water quality, biology, wetlands, historic preservation, traffic and floodplain as the primary issues that would require evaluation in the environmental documents. Based on our understanding of the proposed project, we agree that these are topics that will be evaluated in the Caltrans' technical studies. However, in our discussions with the Mark Thomas team and in looking at the existing environmental conditions, we believe that the PES form will determine that additional technical studies will be required to support the NEPA CE. We have included additional technical studies to address community impacts, hazardous materials, and visual and Section 4(f) resources in this subtask and explain why we believe Caltrans will require the studies.

Based on our review of the project site, we anticipate the PES will indicate that the studies listed below will be necessary. If the signed PES form indicates that some of these studies are not necessary or other studies are required, we will revise the scope of work and hours estimate or shift the hours to other tasks that may arise during the project.

- Natural Environment Study Report
- Wetland Delineation/Assessment
- Cultural Resources Report (APE, ASR, and HPSR)
- Noise Study Report
- Air Quality Study Report
- Minor Visual Impact Assessment
- Section 4(f) Evaluation
- Land Use and Community Impact Assessment
- Traffic Study (construction-related to support detours - led by Mark Thomas/Fehr & Peers)
- Initial Site Assessment (By Crawford & Assoc)
- Floodplain/Hydraulic Study (By Wood Rodgers)

5.3.1 Biological Resources

Based on our biological experience in the project region, a review of existing information, and a January 2016 field visit to the project site, we anticipate that the primary biological issues associated with the project will be loss or disturbance of riparian habitat, placement of fill material into waters of the United States and waters of the State, potential disturbance of habitat for nesting raptors and migratory birds, and removal or disturbance (associated with tree trimming) of native trees that are subject to the City tree ordinance. No suitable habitat for federally listed species was observed during a January 2016 site visit that was conducted to support preparation of this scope of work. No elderberry shrubs (habitat for the federally listed valley elderberry beetle [VELB]) or vernal pools (habitat for federally listed invertebrate species) were observed within the project boundaries or within habitats that could be indirectly affected by the project. Seasonal wetlands (identified as vernal pools on the City of Roseville's website [Property Information Tool]) were observed along an unnamed drainage west of Washington Boulevard and south of the railroad alignment. These seasonal wetlands are within the Ridgewood Preserve and were created to provide habitat for federally listed invertebrate species. However, the seasonal wetlands are subject to flooding from the creek and support perennial wetland vegetation and would not be considered habitat for vernal pool invertebrates. Therefore, we do not anticipate the need for federal ESA Section 7 consultation and have not included preparation of a biological assessment. Our preliminary determination will be confirmed during coordination with the Caltrans biologist and with USFWS, if necessary. This coordination will be documented in the Natural Environment Study (NES) report.

As part of this subtask, ICF will conduct the appropriate levels of surveys and prepare a NES report and wetland delineation report that will be used to support the NEPA CE, EIR biological resources section, and state and federal permit applications.

Conduct Biological Surveys and Prepare Natural Environment Study

To support Caltrans' environmental review of the project, we will prepare a NES report using the guidelines from Caltrans'

Guidance for Consultants Procedures for Completing the Natural Environmental Study and Related Biological Reports (1997) and Caltrans' April 30, 2002 memorandum.

Prior to conducting field surveys, ICF will obtain and review existing and available information that pertains to the project area, including a review of records from California Department of Fish and Wildlife's (CDFW's) California Natural Diversity Database (CNDDB)(2016), USFWS species lists, environmental documents recently prepared for other projects in the area, City's 2015 and 2020 CIP EIR and SEIRs, City's Open Space Preserve Overarching Management Plan (OSPOMP), and ICF file information of biological data gathered for other projects in the region. After reviewing existing information and available monitoring reports, ICF will coordinate with the Caltrans biologist to discuss resource issues.

All surveys will conform to Caltrans' *Guidance for Consultants Procedures for Completing the Natural Environmental Study and Related Biological Reports* (1997 and April 30, 2002 memorandum). ICF biologists will conduct a one-day field survey to map and describe terrestrial and aquatic habitats and develop a species list of all wildlife and plants observed during the field visit. As part of this task, we will also conduct an arborist survey to document native oak trees that are subject to the City's tree ordinance and trees that occur in riparian areas along the waterways (to support the CDFW Lake or Streambed Alteration Agreement package described in Section 5.5.3 and Arborist Report described in 5.5.4). For cost estimating purposes, we assume that we will identify and evaluate up to 50 native oak and riparian trees (preparation of the arborist report will be done as part of the permitting subtask described below).

Following the field survey, ICF will prepare an NES that documents existing conditions and the results of biological studies (including wetland delineation/assessment described below), and coordination with the resource agencies. The NES will provide the technical information concerning plants, animals, and natural communities occurring in the project study area and discuss potential project impacts. The NES will include mapped biological resources. Feasible avoidance, minimization, and mitigation measures will be identified and will include measures that the City has previously agreed to and successfully implemented for other transportation projects. The NES will be prepared according to the most current NES annotated outline. This task is complete when Caltrans approves the NES report.

Conduct Wetland Delineation/Assessment and Prepare Report

The South Branch of Pleasant Grove Creek and unnamed tributaries cross through the project area. These waterways flow across or parallel to Washington Boulevard and the railroad track in the project area. These features are considered waters of the United States/waters of the State. ICF will delineate the extent of these features within the project study area and prepare a delineation report. The delineation will comply with the USACE' requirements under Section 404 of the CWA and will be used to determine potential direct and indirect effects on waters of the United States and waters of the State. The delineation report will be consistent with USACE methods and reporting standards and Caltrans' *Environmental Handbook*, Chapter 3, guidelines. ICF staff will attend a field verification with the USACE and revise the delineation map, if necessary.

5.3.2 Cultural Resources

Because the project is a federal undertaking the cultural resource studies for this project will be performed according to the guidelines and recommended procedures outlined in Caltrans' *Guidance for Consultants* in accordance with Section 106 of the National Historic Preservation Act (NHPA). In addition, the cultural resource staff will follow methods outlined in the Caltrans Programmatic Agreement (PA) (January 1, 2014) and any reasonable additional methods requested by Caltrans at the time the project is initiated. All work required for this contract will be supervised by professionals who meet the professional qualifications for work in archaeology, history, and architectural history (as appropriate), as defined in the PA. This work effort will provide compliance with Section 106 of the NHPA and with CEQA. The information will be used to support preparation of the cultural resources chapter of the EIR and USACE Section 404 Pre-Construction Notification package (described under the permitting task).

Prepare Area of Potential Effects Map

ICF archaeologists and architectural historians will prepare a draft Area of Potential Effects (APE) map for cultural resources in consultation with Caltrans and other project design staff. The APE will include all properties within the proposed project corridor rights-of-way, as well as some parcels immediately adjacent to the proposed project, dependent on the potential for indirect effects on cultural resources. The APE will include all ancillary project features, such as staging areas, utility relocations, and

access/haul roads, if known. The APE map will consist of a series of 11x17-inch color aerial maps at a scale of 1 inch = 200 feet, depicting the project design and parcel lines. ICF archaeologists and architectural historians will begin conducting field work after consulting with Caltrans Professionally Qualified Staff (PQS) and the Project Manager to establish the initial draft APE map. The APE map will likely be modified depending upon alterations to the project, consultation with Caltrans, and the findings of the field survey. All changes will be reflected in the final APE which will be included in the technical documents.

ICF assumes that the project engineer will provide all of the required project details in a georeferenced spatial format along with parcel data. We also assume that we will produce three versions of the APE map; draft, revised draft, and final.

Conduct Records Search and Background Research

ICF will conduct a records search at the North Central California Information Center of the California Historical Resources Information System at CSU, Sacramento. This record search will consult California's database of previous studies and previously recorded sites within the proposed project APE and within a 1-mile radius, per Caltrans guidelines. The records search will list all previous archaeological work and any previously recorded cultural resources within the requested area. For the purposes of estimating costs ICF assumes that fees for the records search will not exceed \$950.00

ICF will conduct additional research to develop a cultural context for the area. Research will be conducted at (but not limited to) the California State Library, Sacramento, Caltrans Headquarters Library in Sacramento, the California State Railroad Museum, appropriate archival repositories and libraries located in Roseville, and the ICF cultural staff library.

Contact Interested Parties

ICF will initiate consultation with potentially interested parties in support of Caltrans Section 106 requirements. The Native American Heritage Commission (NAHC) will be contacted and a search of the NAHC's sacred lands database and a list of potentially interested Native American representatives will be requested. ICF will, as instructed by Caltrans, contact Native American groups to request information regarding the types of potential cultural resources in the study area. This contact typically includes sending a contact letter briefly explaining the project with an attached project area map to all suggested Native American representatives. Follow up telephone calls are placed to ensure that the letters were received and the representatives have no comments or concerns.

ICF will contact the Roseville Historical Society and Museum and other (as appropriate) museums, historical societies, and interested persons to request information regarding the types of potential cultural resources in the study area.

Provide AB 52 Support

ICF will provide support for the City on consultation and documentation of tribal cultural resources as required under CEQA by AB 52. This will include preparing letters for the City of Roseville's use in notifying California Native American tribes who have previously requested such notification of their opportunity to consult on the project, assisting with preparation for and attendance at a consultation meeting, and preparing a summary of AB 52 consultation results for incorporation into the Caltrans HPSR and EIR cultural resources chapter.

Conduct Field Surveys

A qualified ICF archaeologist will conduct a pedestrian field survey of the APE, walking parallel transects not to exceed 10 meters apart. Any areas found to have limited access due to dense vegetation pavement and development, or other obstructions, will be surveyed at a reconnaissance level where intuitive survey transects will be used.

Based on ICF's desktop analysis of the preliminary footprint for this project only one structure that 45 years old or older, (1914 Railroad alignment and bridge crossing associated with the Southern Pacific) will require formal documentation and evaluated for Section 106 and CEQA significance. An ICF architectural historian will conduct a field survey of the proposed project area to record this structure and any related historic features through digital photography and written descriptions.

This pedestrian field survey effort assumes survey of the project corridor measuring approximately one mile in length, with a width to encompass the proposed road shoulders, and drainage, and wider areas at intersections, the railroad crossing, and utility work areas. Additionally, for purposes of cost estimating, this scope assumes approximately 10 acres of survey for ancillary project features such as staging areas, utility relocations, and access/haul roads, if known. For the purpose of estimating costs,

this scope assumes that no prehistoric archaeological sites will be identified in the APE. Additionally, ICF assumes that no test excavations will be conducted.

The field survey to record the railroad segment and research trip to Roseville to conduct property specific research on the railroad bridge will be conducted on the same day. ICF assumes that all land owners will have been notified of the survey crews' scheduled site visit and that permission to access all properties will have been granted.

Prepare Caltrans Technical Reports (HPSR)

Based upon resources encountered in the field, ICF will prepare the appropriate technical reports and the accompanying forms. Preliminary data indicates that ICF will prepare a Historic Property Survey Report (HPSR) and an Archaeological Survey Report (ASR) and that a Historic Resources Evaluation Report (HRER) may be likely. These technical documents and forms will be bound together along with any attached required documentation. Upon review by the City and Caltrans, ICF will produce final technical reports. The cost assumes that two revisions to the documents will be required to address local agency and Caltrans comments.

Prepare Finding of Effect Document

Based on recent consultation with SHPO regarding early railroads in the Roseville area, ICF assumes that the segment of the Southern Pacific (now UPRR) railroad alignment located in the project area is likely to meet the criteria for listing in the National Register of Historic Places (NRHP), and thus, a Finding of Effect (FOE) document, which is a subsequent Caltrans technical report, will be necessary. In addition, ICF assumes that the railroad segment will be found NRHP eligible under Criterion A but the bridge will not be considered a contributing feature nor will it be found individually NRHP eligible. Consequently, it is further assumed that because the rail alignment will remain in essentially the place a finding for the project of "No historic properties affected" will be possible.

Preparation and approval of the FOE, along with completion of the tasks above, will provide the necessary information and approvals to incorporate into the cultural resources chapter of the EIR. The cost estimate assumes that no prehistoric or historic archaeological sites will be identified in the APE.

5.3.3 Noise

ICF will conduct a noise study in accordance with procedures specified by FHWA in Title 23, Section 772 of the Code of Federal Regulations (CFR) (23 CFR 772) and the Caltrans Traffic Noise Analysis Protocol (Protocol). Because the project will increase the capacity of Washington Street by adding one lane in each direction, the project is considered to be a Type I project as defined in 23CFR772. 23CFR772 requires that an operational traffic noise assessment be conducted for Type I projects.

ICF will conduct an initial site visit to confirm existing land uses, document the location of sensitive receptors and existing noise barriers, and identify measurement locations for the noise monitoring study. ICF will then conduct a noise monitoring survey to characterize existing noise conditions in the study area and to develop data to be used in the noise model calibration process.

The FHWA Traffic Noise Model (TNM) Version 2.5 will be used to model traffic noise levels under existing, design year no-build and design year build conditions. Where traffic noise impacts are identified, noise abatement in the form of noise barriers will be evaluated. Preliminary review of the project area indicate two potential locations for new noise barriers, however no new noise barriers are currently anticipated.

Noise abatement allowances will be calculated for barriers determined to be acoustically feasible. Construction noise impacts will be evaluated using the FHWA Roadway Construction Noise Model. ICF will prepare the Noise Study Report (NSR) and Noise Abatement Decision Report (NADR) if necessary for the proposed project in accordance with the Protocol. The NSR will summarize noise impacts and locations of noise barriers determined to be feasible. The NADR will summarize noise abatement allowances for barriers determined to be acoustically feasible in the NSR along with construction cost estimates to be provided by the project engineer. Comparisons between the allowances and construction cost estimates will be used to identify the preliminary cost reasonableness of barriers.

5.3.4 Air Quality

It is our understanding that, while the project includes operational safety improvements, the project would not be exempt from transportation conformity since the project would widen Washington Boulevard from two to four lanes, thereby increasing

capacity. To support the NEPA CE, ICF will prepare an Air Quality Study Report (AQR), Air Quality Conformity Analysis (AQCA), and air quality conformity checklist. Each of these technical reports is described below.

Air Quality Study Report

ICF will prepare an AQR consistent with Caltrans requirements (i.e., Caltrans Standard Environmental Reference and Caltrans Annotated Outlines) documenting permanent impacts directly and locally attributable to construction and operation of the project. The AQR will evaluate the project with regards to regional and project-level (CO and PM_{2.5}) conformity; present a summary of construction and operational criteria pollutant and greenhouse gas (GHG), as well as operational mobile source air toxics (MSAT), emissions associated with project implementation; and identify measures to reduce air pollutant emissions. Based on these analyses, we will evaluate whether the project would result in any adverse effects with regards to air quality under NEPA. In addition, the AQR will also identify mitigation measures required by the Placer County Air Pollution Control District (PCAPCD) and City of Roseville.

The AQR will focus on the following analyses:

Regional Conformity Evaluation - ICF will analyze whether the project is included in the Sacramento Area Council of Governments (SACOG) most recently adopted and approved Metropolitan Transportation Plan (MTP) and Metropolitan Transportation Improvement Program (MTIP) and that the design concept, scope, and schedule and the traffic study opening day assumptions are consistent. If necessary, ICF will work with SACOG to ensure that the proposed project is included in the most recent MTP and MTIP.

Project-Level Conformity Evaluation: CO and PM_{2.5} "Hot-Spots." - The analysis of localized CO impacts will be assessed following the methodology contained within the Caltrans' *Transportation Project-Level Carbon Monoxide Protocol*, while the assessment of localized PM_{2.5} impacts will be assessed using the U.S. Environmental Protection Agency's (EPA) *Transportation Conformity Guidance for Quantitative Hot-Spot Analyses in PM_{2.5} and PM₁₀ Nonattainment and Maintenance Areas*.

Based on Caltrans' CO Protocol, we will conduct a CO hot-spot analysis using peak traffic hour volumes and levels of service at key intersections in the project vicinity. CO concentrations will be estimated for sensitive receptors located near congested intersections. We will use the EMFAC2014 and CALINE4 models to conduct the CO hot-spot analysis for up to three intersections for existing-, open to traffic - (with and without project), and design-year (with and without project) conditions as modeled in the traffic analysis.

Based on the EPA's conformity guidance, this scope of work assumes the project is not a Project of Air Quality Concern (POAQC) and that PM conformity requirements will not require a quantitative hot-spot analysis. ICF will prepare the necessary POAQC documentation for submittal to SACOG's Project Level Conformity Group (PLCG) as part of the IAC process. In the event the PLCG determines the project is a POAQC, ICF will perform a quantitative PM_{2.5} hot-spot analysis using the EPA's 2015 conformity guidance, and the scope of work and cost estimate will need to be adjusted to reflect an increased level of effort associated with the quantitative PM_{2.5} hot-spot analysis and additional IAC.

Mobile Source Air Toxics. - An analysis of MSATs will be evaluated based on interim guidance issued by the FHWA on December 6, 2012 in addition to California-specific guidance issued by Caltrans. Based on current and projected roadway volumes in the project area, it is anticipated that MSATs will be evaluated qualitatively.

Short-Term Construction Emissions - ICF will quantify construction emissions associated with the proposed project using the most recent version of the Sacramento Air Quality Management District's (SMAQMD) Road Construction Emissions Model (RCM) (currently Version 7.1.5.1) and construction data provided by the project applicant. Construction-related emissions associated with the proposed project will be evaluated based on Caltrans Standard Specification 14 to control emissions of fugitive dust from construction activities, and mitigation/control measures required by PCAPCD and the City of Roseville.

Long-Term Mobile Source Emissions - The operations analysis will focus on changes in regional air pollutant emissions that would occur due to project-related changes in regional vehicle miles traveled (VMT) and average travel speed. We assume that the traffic study prepared for this project will include the necessary information needed to estimate project-related changes in traffic trips and associated emissions (i.e., peak and off-peak period vehicle miles traveled [VMT] for all affected roadways within a 4-mile radius by alternative separated into 5 mph speed bins [5 mph to 75+ mph speed bins]). We will use traffic data

provided by the traffic engineer and Caltrans' CT-EMFAC emissions model to estimate changes in criteria pollutant in the project vicinity related to implementation of the proposed project.

Climate Change - Using traffic data from the transportation analysis and Caltrans' CT-EMFAC emissions model, we will quantify changes in operational motor vehicle GHG emissions in the project vicinity related to implementation of the proposed project, while construction-related GHG emissions will be evaluated using the most recent version of SMAQMD's RCEM. We will evaluate potential impacts to climate change and the effects of climate change consistent with Caltrans' most recent climate change guidance (i.e., Caltrans Standard Environmental Reference and Annotated Outlines).

Air Quality Conformity Analysis and Conformity Checklist

Because it assumed the proposed project will be processed under Title 23 USC 327 NEPA Assignment, the project will require an AQCA report for submittal to FHWA for the conformity determination. The AQCA will evaluate and document that regional and project-level conformity requirements related to the project are met. In addition, we will also prepare the conformity determination checklist to accompany the AQCA for submission to Caltrans and FHWA and will facilitate FHWA approval.

5.3.5 Visual

Based on our experience with similar types of projects, we have assumed in this scope that a Minor Visual Impact Analysis (MVIA) will need to be prepared for the project, in-lieu of a full visual impact assessment (VIA) under Chapter 15 of the California Environmental Quality Act (CEQA). As determined by completing the California Department of Transportation's (Caltrans') Visual Impact Assessment Guide (available: http://www.dot.ca.gov/hq/LandArch/16_la_design/via/outlines/index.htm), a full VIA is not required, and an MVIA is deemed sufficient for evaluating project impacts.

The analysis will be performed using methods and protocol developed by FHWA and adopted by Caltrans and will use Caltrans' MVIA template. The analysis will define the project location and setting; describe visual resources and resource change and viewer groups and viewer responses associate with the project; and evaluate potential visual impacts caused by the proposed project, including any proposed mitigation measures to reduce impacts. No photo simulations or graphics will be prepared, following Caltrans' MVIA template. ICF will respond to comments and then prepare the draft and final reports.

ICF will conduct a field visit to assess the existing visual resource conditions in the project area, for use in preparing the analysis. The field visit will photo inventory existing conditions including viewpoints, notable visual resources, and the visual quality of the project area.

5.3.6 Section 4(f)

Based on our understanding of the current project design and resources present in the project area, we believe that Section 4(f) compliance may be required by Caltrans for the project. The existing Class 1 bike path (part of the Northwest Roseville Bike Path System) may be considered a 4(f) resource and will be temporarily affected by the project during construction activities.

If land acquisition is not required from the existing bike path located east of Washington Boulevard and the potential impacts are temporary construction-related impacts, documentation of the temporary occupancy would be prepared. If widening Washington Blvd or replacement of the Andora Underpass requires either acquisition of right-of-way from the existing bike path right-of-way or path relocation and this action would not adversely affect the activities, features, or attributes of the bike path, a de minimis impact documentation would be prepared.

In both cases, coordination with the City regarding effects on the bike path and written concurrence would be required. In addition, a future Class 1 bike path, is proposed in the open space area between Emerald Oak Road and the UPRR tracks. Section 4(f) applies to publicly owned properties that are formally designated in a city master plan, including the 2008 Roseville Bicycle Master Plan. The Section 4(f) analysis will evaluate whether this planned recreation area qualifies as a recreation resource at this time (if the right-of-way is publicly-owned or not). Other recreation resources may be identified within the vicinity of the project depending on the alternatives analyzed for the project. The Section 4(f) analysis and documentation will be prepared consistent with Caltrans SER guidance and will be included in the environmental document as an appendix.

The segment of the Southern Pacific (now UPRR) railroad that spans Washington Blvd may be NRHP-eligible and require evaluation of the potential effects under Section 4(f). The Section 4(f) analysis for historic sites assumes the railroad alignment

would be determined eligible for the NRHP but the Andora Underpass (Bridge) would not be found NRHP-eligible. The Section 4(f) analysis for historic sites would be prepared in coordination with the Section 106 effort and assumes the Section 106 process will result in a determination of “no historic properties affected” or “no adverse effect”. If the determination is “no adverse effect”, a *de minimis* impact documentation would be prepared.

The cost estimate for this subtask assumes that Section 106 consultation with the SHPO will result in a determination that the Southern Pacific (now UPRR) railroad is eligible for inclusion in the NRHP, but that the Andora Underpass is not eligible for inclusion in the NRHP. Potential impacts on the railroad will result in the Section 106 determination of “no historic properties affected” or “no adverse effect”. No other NRHP-eligible archaeological or historic sites will be identified within the Section 106 APE.

5.3.7 Land Use and Community Impact Assessment

Although the planned improvements are not expected to require right of way acquisition, several utilities are currently located within or near the project limits and will be relocated, as needed. This may trigger the need to for Land Use and Community Impact Assessment. ICF will identify and document the project’s community impacts on neighborhoods, businesses, and minority and low-income populations, as well as the project’s consistency/compatibility with the existing and future land uses and plans in the area. The community impact analysis will be prepared in accordance with Caltrans Environmental Handbook Volume 4: Community Impact Assessment. Topics to be addressed in the community impact analysis will include social impacts (community cohesion), economic impacts (change in employment and tax base changes), land use (consistency with local plans, development opportunities), public services (accessibility and parking, utilities), growth, and acquisitions and displacements (non-residential). No residential takes or relocation would occur.

Since there is a planned Class I bike trail between Emerald Oak Road and the UPRR tracks in an open space adjacent to the project, discussion of bike facilities and consistency with these proposed facilities will be a focus in the report. The Class I bike trail will be included as a schematic to show how the trail ties in with the project improvements.

The community impact assessment will provide a description of the existing conditions, the potential impacts of the project on the community and how the project relates to other development (existing and proposed) in the area. Mitigation measures to best avoid potentially adverse impacts resulting from the project will be identified and discussed, as appropriate.

Potential impacts to minority and low-income populations, if any, will be addressed in compliance with Executive Order 12898: Federal Actions to Address Environmental Justice in Minority and Low-Income Populations. Data from the 2010 U.S. Census at the Tract Level will be used to identify characteristics of populations traversed by or adjacent to the proposed project. Community profiles will also be collected for the local project area, City, County, and the State of California to help identify regional and local trends in regards to demographics, local industry, and tax base. If any local businesses serve an ethnic community, this will be documented based on observations made during the site visit. Potential impacts during the construction phase will be analyzed based on construction information provided by the City and measures to address these impacts proposed, if required.

5.3.8 Complete Categorical Exclusion Form

ICF will support Caltrans in their efforts to complete the continuation page of the CE Determination form listing all environmental commitments identified for the project. If requested by Caltrans, we will also summarize the project approvals related to pertinent federal environmental regulations.

Subtask 5.4. Prepare Environmental Impact Report

Preparation of the CEQA EIR will occur on a parallel path with the NEPA technical studies. The information used to prepare the technical studies will be used to prepare the impact analyses for the EIR. ICF will work closely with the City to determine the appropriate CEQA document (e.g., an EIR or a Supplemental EIR to the 2015 CIP EIR).

If the City chooses to prepare a Supplemental EIR (SEIR) for the 2015 CIP EIR, the SEIR would describe the previously certified 2015 CIP EIR as well as the certified 2020 CIP Supplemental and Subsequent EIRs and reference them as necessary. The SEIR for

this project would recognize any revisions to significance findings and mitigation measures that are identified in the 2020 CIP Subsequent and Supplemental EIRs in the project SEIR and carry those over into the analysis.

5.4.1 Prepare Notice of Preparation and Attend Scoping Meeting

ICF will prepare an administrative draft Notice of Preparation (NOP) pursuant to the requirements of CEQA Guidelines Section 15082. We will submit the administrative draft to the City for its review and comment. ICF will revise the NOP document as necessary based on City review and comments and deliver the final NOP to the State Clearinghouse. The NOP will include a brief project description as well as the preliminary alternatives the County is considering, and a list of probable environmental effects.

ICF's project manager will attend one scoping meeting on the EIR. We assume that the meeting will be held after release of the NOP for public review. This subtask includes submitting a final NOP to the State Clearinghouse.

5.4.2 Prepare Administrative Draft EIR

Concurrent with the circulation of the NOP, ICF will begin preparation of the EIR. ICF will prepare an administrative draft EIR suitable for distribution to the agencies and the public in compliance with requirements of CEQA and the City. ICF will provide the necessary analyses as described below, including consideration of any issues raised during the scoping process. In the event that the City decides to prepare a Supplemental EIR to the 2015 CIP EIR, ICF will tier the administrative draft EIR analysis, where applicable, from the certified 2015 CIP EIR and 2020 CIP Supplemental and Subsequent EIRs. Consistent with CEQA case law, ICF will summarize in the administrative draft EIR the findings of any portion of those EIRs used as part of the existing conditions or impact analyses.

For each environmental discipline, the administrative draft EIR will include a discussion of the existing environmental and regulatory conditions, an analysis of impacts and a description of their magnitude, indicating the level of significance for each impact. For any identified significant project impacts, the EIR will include mitigation measures, if feasible, to reduce the significance of those impacts. ICF analyses that do not require or rely on a technical report prepared as part of the Caltrans studies will be based on existing information provided by the City, existing information found in relevant City planning documents (such as the General Plan), in-house data and documentation, and professional judgment. It is not anticipated that any additional issues will require separate technical reports beyond those prepared for the Caltrans studies, but appendix materials may be included if necessary to support the analysis in the EIR.

Introduction

The introduction to the EIR will clearly direct readers how to find information in the EIR. It will also provide a more detailed description of the purpose of the EIR and the lead agency's role, as well as a background and brief overview of the proposed project. In the event that the City decides to prepare a Supplemental EIR, the introduction will include a description of the relationship between the Supplemental EIR and the preceding certified environmental documents. The introduction will also describe potential areas of controversy, the organization of the EIR, and anticipated permits and approvals.

Executive Summary

The executive summary of the EIR is required by CEQA. Very often, the executive summary consists of repetition of the project description and a table of impacts and mitigation measures. While satisfying the requirements of CEQA, this type of executive summary is not very helpful to the lay reader, even highly educated and aware citizens who are not environmental professionals. We propose to prepare an executive summary that meets the requirements of CEQA, but that is written as a true summary of the findings of the EIR.

Project and Study Area Description

The project description section of the EIR will contain the project description prepared for the NEPA technical studies and revised as necessary based on the scoping process, and figures illustrating the project area and project alternatives. Project objectives will be identified. This section will also include a description of the alternatives analyzed in the EIR. The study area for the EIR will be defined both in text and graphically.

Environmental Analysis

The environmental analysis chapter of the EIR will be broken into separate sections for each of the resource issues related to the proposed project, as identified through the scoping process. Each technical section will include an introduction; description of the

regional, local, and site-specific environmental setting; discussion of the regulatory setting; discussion of the project baseline for comparison of the impacts from the proposed project; methodology and significance criteria; impact analysis, and feasible mitigation measures for each significant impact.

The environmental analysis chapter will include a brief discussion of the rationale for dismissal of the following resource topics:

- Agriculture and Forestry Resources;
- Mineral Resources; and
- Population and Housing.

The chapter will also include brief description of the environmental setting and a discussion of environmental impacts, based on the findings of technical studies, and professional judgment, for each of the following issue areas:

- Aesthetics
- Air Quality
- Biological Resources
- Cultural Resources
- AB52
- Geology/Soils
- Greenhouse Gas Emissions
- Hazards & Hazardous Materials
- Hydrology & Water Quality
- Land Use/Planning
- Noise
- Paleontology
- Public Services
- Recreation
- Transportation/Traffic
- Utilities/Service Systems
- Growth Inducing Impacts
- Cumulative Impacts
- Mandatory Findings of Significance

Alternatives

Up to two build alternatives (in addition to the proposed project and no build alternative) will be analyzed in the EIR, including the required no-project alternative. The alternatives will be developed in consultation with the City based on achieving project objectives and reducing one or more of its significant impacts. These alternatives will be analyzed at a level of detail allowing comparison of the impacts of the alternatives with those of the proposed project, but not at an equal level of detail to the proposed project. Alternative site analysis will use information provided by the City on its site selection process and criteria and other sites considered. The discussion will include a description of those alternatives that may have been considered, but rejected, and the reasons why they were rejected from further analysis. In addition, the no-project alternative will be analyzed. The environmentally superior alternative will be identified as required by CEQA Guidelines Section 15126.6(e)(2).

Methodology and Standards of Significance

Each technical section will contain a concise description of the methodology used in the analysis and the standards used to determine whether an impact is significant. The standards of significance will be based on City standards, CEQA standards, and any applicable agency standards. The methodology for development of mitigation measures will also be described. The impact analyses will assess the direct, indirect, and cumulative impacts that will result from implementation of the project and propose mitigation to reduce significant impacts to the extent feasible.

Items Found Not to Be Significant

In this section of the EIR, ICF will summarize areas of potential environmental impact where no significant impacts were identified. This will include a summary of potential impacts analyzed in the EIR and found not to be significant.

Agencies and Persons Contacted, References and Literature Cited, and Report Preparers; Glossary

The EIR will contain this information, required by CEQA Guidelines Section 15129.

5.4.3 CEQA Compliance Review

We will involve our in-house CEQA expert (Terry Rivasplata) to help develop the project objectives, overall strategic approach, and alternatives analysis. ICF is a recognized leader in CEQA compliance. Our in-house environmental attorney and planners keep abreast of current court decisions regarding CEQA, planning and zoning laws, and other federal, state, and local laws to provide valuable and up-to-date information and strategies to publications and clients. To keep up with legal decisions, we subscribe to Cal AL and FindLaw, which provide our staff with regular updates of relevant court decisions as they are handed down. Our in-house CEQA trainers and instructors provide ongoing in-house training and updates to our staff on CEQA cases, regulation changes, and changes in the resources agencies' policies and regulations.

The EIR and overall environmental processing will be conducted consistent with the *City of Roseville CEQA Implementing Procedures for the Preparation, Processing, and Review of Environmental Documents*, dated 2008.

The project manager will review the EIR for consistency and conformance with the objectives of the project. This review will include review of ties between the identified standards of significance and the assessment of impact significance and the relationship of the identified mitigation measures to the impacts identified and the thresholds of significance.

ICF will implement several levels of quality control during the preparation of the environmental documentation. Our in-house technical editors will edit the EIR document for internal consistency and clarity and to ensure that references and citations are supported as required by CEQA.

5.4.4 Prepare Second Administrative Draft and Screencheck Draft EIRs

ICF will revise the administrative draft EIR document as necessary based on City comments and submit the second administrative draft EIR for City review and comment. We assume that only minor revisions to the administrative draft will be necessary. One meeting with the City or on the phone is included in this task to review comments on the administrative draft EIR.

ICF will prepare a screencheck draft EIR based on the changes made to the second administrative draft and will submit the screencheck draft for final City concurrence prior to release of the public draft EIR.

5.4.5 Prepare Public Draft EIR and Attend Public Comment Meeting

Upon City approval of the screencheck draft EIR, ICF will prepare the public draft EIR and a notice of completion (NOC) and submit them to the State Clearinghouse. ICF will provide the City with copies of the draft EIR for circulation to other agencies and interested parties.

ICF assumes that the City will prepare all public notices (e.g., notice of approval, newspaper notices, citizen mailings), with the exception of the NOC. We assume there will be one public meeting for comments on the draft EIR. The ICF will attend the draft EIR public comment meeting.

Deliverables will include:

- 50 copies of the DEIR; this includes 15 copies hard copies of the DEIR for the State Clearinghouse (executive summary and CD of entire document);
- one unbound camera-ready copy of the DEIR;
- five electronic copies of the DEIR in PDF and WORD format on CD; and
- one electronic copy of the DEIR (both PDF and Microsoft Word for the City's website).

5.4.6 Prepare Final Environmental Impact Report and Mitigation Monitoring and Reporting Plan (MMRP)

Following the close of the public comment period on the draft EIR, ICF will prepare responses to all of the written comments received on the EIR. We assume that the City will provide a summary of comments made at the hearing plus a list of commenters; we also assume that we will be provided with copies of the comments submitted to the City shortly after they are received so that we can begin working on categorizing them as soon as possible. This scope assumes a moderate level of comment will occur, and that no new analysis will need to be performed to address the comments. While there may be a high volume of comment letters, if the comment letters do not raise issues not addressed in the draft EIR, and the high volume is due to many similar or form comment letters, this scope of work will cover responding to all comments.

5.4.7 Prepare Administrative Draft Final EIR and MMRP

ICF will prepare a table listing all comments with the proposed approach to responding to each comment. Following City review of this table, ICF will hold a conference call or a meeting with the City to discuss the approach to response preparation, resulting in agreement on the approach for each comment.

ICF will prepare a final EIR (FEIR) that will include the following sections:

- Introduction
- Updated Executive Summary, including a revised summary table of impacts and mitigation measures
- Copies of all of the comments made, with accompanying responses to each comment
- Errata chapter identifying changes being made to the draft EIR text in response to comments on the draft EIR
- Mitigation Monitoring and Reporting Program (MMRP)

ICF will prepare the administrative draft MMRP. The MMRP will ensure that mitigation measures are implemented as required under Section 21081.6 of the California Public Resources Code. The following is a brief description of the process and the MMRP content.

The MMRP will:

- Identify each impact of the project that will be mitigated
- Contain a brief explanation of each relevant mitigation measure
- Specify the agency or individual responsible for implementing and monitoring each mitigation measure and the specific qualifications for monitoring and reporting personnel
- State when and how frequently each mitigation measure should be implemented
- Provide details of the monitoring program
- Present the specific criteria for judging successful implementation of each measure

ICF will coordinate with the City during preparation of the administrative draft MMRP regarding the format of the MMRP and the relative monitoring responsibilities of City agencies. We will submit the administrative draft FEIR and MMRP to the City for review and comment.

Three (3) hard copies and one (1) electronic copy of the administrative draft FEIR and MMRP will be provided to the City as part of this subtask.

5.4.8 Revise Administrative Draft FEIR and MMRP and Prepare Second Administrative Draft FEIR and MMRP

Following receipt of the City's comments on the administrative draft FEIR and MMRP, ICF will meet with City staff to review all of the City's comments and agree on the appropriate responses to those comments. Following this meeting, ICF will revise the administrative draft FEIR and MMRP, incorporating changes in response to the City's comments, and prepare the second administrative draft FEIR and MMRP. A second administrative draft FEIR and MMRP (three hard copies; one electronic copy) will be provided to the City as part of this subtask.

5.4.9 Prepare Screencheck Final EIR and MMRP

ICF will prepare the screencheck final EIR and MMRP, incorporating changes in response to the County's comments on the second administrative draft FEIR and MMRP. ICF will submit a screencheck FEIR and MMRP for final City concurrence (one hard copy; one electronic copy).

5.4.10 Prepare Final EIR and MMRP

Following approval of the screencheck final EIR and MMRP by the City, ICF will prepare and reproduce the final EIR and MMRP. At least 10 days prior to the City's certification of the final EIR ICF will assist the City in sending copies of the responses to all public agencies that submitted comments, as required by CEQA.

Forty-five (45) copies of the FEIR and MMRP and one (1) unbound camera-ready copy of the FEIR and MMRP will be provided as part of this subtask.

5.4.11 Prepare Statement of Overriding Considerations and Findings of Fact

Prior to the City's hearing on the project, ICF will prepare draft findings of fact pursuant to Section 15091 of the CEQA Guidelines and, if necessary, a draft statement of overriding considerations pursuant to CEQA Guidelines Section 15093. The findings will be in compliance with Sections 21081 and 21081.5 of the California Public Resources Code. We understand that the City will review the draft findings and prepare the final documents in-house.

ICF will maintain its portion of the administrative record (i.e., references, correspondence, etc.) during the EIR process and provide all materials to the City upon request. We assume that the administrative record will be needed prior to certification of the FEIR.

One electronic copy of the draft statement of overriding considerations and findings of fact will be provided to the City as part of this subtask.

5.4.12 Attend Hearings

The ICF will support the City at up to two public hearings to answer questions about the EIR, if requested by the City.

5.5. Prepare Permit Applications

Our team will assist the City in acquiring the required permits from state and federal agencies for the project. The following scope is based on our preliminary knowledge of the resource issues in the project area and includes assistance with obtaining the following permits:

- U.S. Army Corps of Engineers (USACE) – Clean Water Act Section 404 Nationwide Permit (NWP) No. 23 (Categorical Exclusions) or 14 (Linear Transportation Projects) authorization. This NWP requires a wetland delineation report which will be prepared as part of Subtask 5.3.
- Central Valley Regional Water Quality Control Board (RWQCB) – Water quality certification (WQC) for placement of fill material into waters of the US/waters of the State.
- California Department of Fish and Wildlife (CDFW) - California Fish and Game Code Section 1602 Lake and Streambed Alteration Agreement (LSAA). We will prepare the required package to support issuance of this state agreement.
- City of Roseville (City) – Arborist report to support compliance with the native oak tree ordinance and support documentation of tree removal in riparian areas for the LSAA.

This permitting subtask is based on the following assumptions:

- The proposed project will meet all the conditions of a NWP (including not exceeding the 0.5 acre threshold for the discharge of fill material).
- An Encroachment Permit from the Central Valley Flood Protection Board will not be required.
- The City will provide access to the project area to support field surveys.
- The City will provide all filing and permit fees.
- Technical studies to support the permit process, including a wetland delineation, biological resources (Task 5.3.1) and cultural resource (Task 5.3.2) evaluations, will be prepared under a separate task prior to initiation of the permitting task.
- An Erosion and Sediment Control Plan and/or a Stormwater Pollution Prevention Plan will be prepared by another Mark Thomas subconsultant team member.

- The tree data collected as part of the NES task will be used to prepare the arborist report and document tree removal in the LSAA application.
- As stated previously, no suitable habitat for federally listed species was observed in the study area and therefore compliance with the federal Endangered Species Act is not necessary.

5.5.1 Prepare Preconstruction Notification Package (Section 404 of the Clean Water Act)

The project would involve the discharge of temporary and permanent fill material into waters of the United States (South Branch of Pleasant Grove Creek and tributaries and potential seasonal wetlands). To comply with Section 404 of the Clean Water Act, the City is required to obtain a permit from USACE prior to conducting activities that result in the discharge of dredged or fill material into waters of the United States. For this project, we expect USACE will provide verification that project activities in waters of the United States are covered under NWP 23 or NWP14.

Under this task, ICF will prepare a Pre-Construction Notification package (PCN) that contains figures and engineered drawings, describes the project purpose and need, project description, project impacts, and demonstrates compliance with all terms and conditions of the NWPs. In compliance with the 2008 Mitigation Rule and mitigation hierarchy, we will research for local and approved mitigation banks and propose bank credits or in lieu fee program credits as compensatory mitigation for unavoidable losses to waters of the United States. To support compliance with Section 106 of the National Historic Preservation Act, we will submit a copy of the cultural resources report (HPSR) and any SHPO coordination conducted by Caltrans.

5.5.2 Prepare Water Quality Certification Package (Section 401 of the Clean Water Act)

Before work can be carried out under USACE NWP, WQC under Section 401 of the Clean Water Act must be obtained from the Central Valley RWQCB. USACE will require the City to obtain a Section 401 Water Quality Certification from the RWQCB that certifies that authorized action will comply with the State's water quality standards and will not impact the water quality of other wetlands or waterways indirectly.

ICF will compile the necessary information and submit a complete application package to RWQCB, along with the certification fee provided by the City and based on the area of discharge and excavation in waters of the State.

5.5.3 Prepare Lake and Streambed Alteration Agreement Application Package (Section 1602 of the California Fish and Game Code)

Because the project will alter or fill portions of stream channels and may require the removal of riparian vegetation, the CDFW, under Fish and Game Code Section 1600-1616, will require a LSAA.

ICF will prepare the required notification package to be filed with CDFW. The application package will describe the project features; construction period; construction methods; impacts on vegetation, fish, and wildlife; and the proposed mitigation in connection with USACE permitting. As with the RWQCB and a Section 401 Water Quality Certification, CDFW will require evidence of CEQA compliance and a fee prior to issuing a final LSAA for the project. This task also includes one site visit with CDFW to confirm the limits of CDFW jurisdiction under Section 1602 and discuss LSAA conditions as needed.

5.5.4 Prepare Arborist Report

ICF will use the tree data gathered as part of the NES biological field surveys (discussed under Section 5.3.1) to support preparation of an arborist report. As stated previously, we have assumed that up to 50 trees will require documentation because they will either be removed or indirectly affected by construction activities.

Specific Environmental Assumptions

The following assumptions were made for the environmental phase of the project:

- The proposed project will meet all the conditions of a NWP (including not exceeding the 0.5 acre threshold for the discharge of fill material).
- An Encroachment Permit from the Central Valley Flood Protection Board will not be required.
- The City will provide access to the project area to support field surveys.

- The City will provide all filing and permit fees.
- The tree data collected as part of the NES task will be used to prepare the arborist report and document tree removal in the Lake and Streambed Alteration Application.
- As stated previously, no suitable habitat for federally listed species was observed in the study area and therefore compliance with the federal Endangered Species Act is not necessary.

5.5.5 California Public Utility Commission Approval

See discussion under Task 1.3.4

5.5.6 UPRR Exhibits for C&M Agreement

See discussion under Task 1.3.3

6.0 PUBLIC OUTREACH

6.1 Stakeholder Identification and Outreach

AIM will work with the City of Roseville and the project team to identify key stakeholders. AIM will develop and maintain a robust stakeholder database throughout the project's duration. This database will include: stakeholder name, contact information as well as the preferred method of contact and potential key concerns and/or areas of project interest. Through phone calls, emails, or individual meetings, AIM will introduce the project to key stakeholders and gain an understanding of their knowledge and perception of the project, and any perceived benefits or concerns. At key milestones, AIM will provide updates to stakeholders and notify them of upcoming meetings and opportunities to provide feedback.

Key stakeholders may include, but are not limited to:

- Roseville Coalition of Neighborhood Associations (RCNA)
- Highland Reserve Neighborhood Association
- Diamond Oaks Neighborhood Association
- Kaseberg-Kingswood Neighborhood Association
- Diamond K Estates
- Quail Ridge Apartments
- Roseville Chamber of Commerce
- Sierra View Country Club & Golf Course
- Department of Motor Vehicles Roseville
- George A. Buljan Middle School / Roseville City School District
- Coastal / KMS Commerce Center

6.1.1 Stakeholder Coordination

During the development of the project design and environmental clearance, additional coordination may be needed with the community and various stakeholders. If required, MTCO and AIM will hold additional meetings with the various groups in order to reach consensus on the proposed project design. This task assumes that up to 4 additional meetings will be held.

6.2 Community Outreach

A. Community Meetings (3)

Interactive and hands-on workshops have proven to be one of the most effective means of encouraging community participation. We anticipate three open forum meetings where the public can meet individually with the City and the project team. The first meeting will provide an introduction to the project and will allow community members to provide feedback on project goals, construction phasing and temporary road closures, as well as potential benefits and concerns. The second meeting will occur near the beginning of the DEIR public review period. The third meeting will occur near the end of the project design phase to present updated concepts to the community. Community feedback can help inform any additional refinements to the

design particularly with regard to construction staging and temporary road closure. For all three meetings, AIM will develop a facilitation plan as well as any necessary presentation and communication materials. In addition, AIM will publicize the meetings (including one direct mail, electronic distribution, phone calls, newspaper advertisements, and news releases), handle all meeting logistics including room layout and setup, and document the meeting including a meeting summary, a comprehensive recap of stakeholder comments, and photographs. MTCO will prepare the exhibits for the public meetings.

B. Assistance for Transportation Commission and City Council Presentations

AIM will be responsible for assisting in presentation development, including compiling outreach data, responding to outreach-related queries and comments made by representatives from the Commission/Council and/or public, and notifying stakeholders of the upcoming meetings.

C. Communication Collateral

Collateral for meetings: AIM will develop outreach materials for project meetings, such as an informational brochure, comment cards, fact sheet or FAQ's to inform the community about the project and environmental/design process. A template for each collateral item will be developed consistent with a project brand, easily updated, and either printed on a laser printer or distributed through electronic means. AIM will ensure all collateral materials are consistent with the City of Roseville's branding standards. AIM will provide all content/collateral to the Public Works PIO for review prior to disseminating to the public.

Project Updates (6): AIM will develop content for up to six electronic newsletters to provide stakeholders and the community with current, up-to-date information about the project throughout the environmental and design process. The project updates will also be another communication method to inform the community about additional opportunities to be involved in the project. AIM will provide content, and e-mails will be sent by the city through our official e-mail system.

Webpage Content: AIM will develop content and key messaging for a project webpage to be hosted on the City of Roseville's website. Community members can review FAQ's, project maps, and other informational materials.

D. Media Relations and Public Notification

Employing a strategic media relations strategy is an economical approach to achieving broad dissemination of project information. AIM will work with the City of Roseville's Public Information Officer to develop and distribute news releases to all local media outlets to publicize upcoming meetings. In addition, AIM will follow up with specific local media to assure public meetings are publicized, and will respond to any media requests for further information. AIM will provide content to the City for social media posts on Facebook, Twitter, and NextDoor.

7.0 FINAL PROJECT DESIGN

MTCO will complete the design tasks for final plans, specifications, and estimates for the project design. Plans shall be prepared to City format and shall be submitted at the 60%, 95%, 100% and final stages of design. Following each design submittal, City comments will be reviewed and addressed.

7.1 60% Design

MTCO will prepare Roadway Plans to current City and Caltrans standards using Civil 3D and AutoCADD. UPRR plans will be prepared in Microstation to AREMA standards. After completion of the project, MTCO will convert all of the MicroStation files to AutoCAD for submitting to the City.

For the Utility Plans & Details, all specific details necessary for the relocation of any affected utilities will be designed and provided to MTCO by the utility owner. The scope and cost proposal assume a minimal effort by MTCO for utility plans and generally include drafting of utility information provided by the utility company.

A. Pump Station Design

It is anticipated that the Project will require stormwater pumping for the area tributary to the roadway sag and that culverts and flood barriers will be used to keep stream flows off of the pavement. To meet water quality requirements, it is anticipated that low flows will need to be pumped into a bio-filtration basin. High flows will need to be pumped to maintain the road passable up to 100-year flood conditions.

Wood Rodgers will identify the required pumping rates and coordinate with Mark Thomas to establish a preliminary pump system configuration. The necessary pumping capacity should be within the range available as packaged submersible pump configurations. Wood Rodgers will work with Jensen Precast to develop design details for an acceptable configuration. Because high and low flows should be pumped to different locations, we expect that use of two duplex pump wells would be appropriate. Wood Rodgers will review the design details to ensure the details are consistent with project needs and include them on the plans with the intention of specifying what is show or Engineer Approved equal.

J. Calton Engineering, as a subconsultant to Wood Rodgers, will provide electrical design services for the pump system. It is anticipated that the system will require coordination with Roseville Electric, a backup generator and remote indication. Input for electrical drawings will be provided for Mark Thomas for inclusion in the plan set.

It is anticipated that the following sheets will be prepared for the 60%, 95% and 100 submittals.

Civil Sheet Count	Quantity	30%	Final*
Title Sheet	1	✓	✓
Roadway Typical Cross Sections	2	✓	✓
Shoofly Typical Cross Sections	1	✓	✓
Construction Control Diagram/ Key Map	1		✓
Roadway Plan & Profile @ 40-scale	7	✓	✓
Shoofly P&P and Super @50-scale	7	✓	✓
Demolition and ESA Fence Plans & Details	7		✓
Construction Details	15		✓
Contour Grading	4		✓
Temporary WPC Plans	10		✓
Roadway Drainage Plans, Profiles	7		✓
Roadway Drainage Details	4		✓
Pump Station Plan and Details	2		✓
Railroad Drainage Details	2		✓
Shoofly Retaining Wall Plans and Details	??		✓
Utility Plans and Details	15		✓
Signing & Striping Plans	7		✓
Stage Construction Plans (Roadway)	15		✓
Stage Construction Plans (Railroad)	2	✓	✓
Temp. Bike Path RCB Extension Plans & Details	4		✓
Traffic Handling Plans (Concepts only @ 30%)	10	✓	✓
Erosion Control Plans (Roadway)	5		✓
Erosion Control Plans (Railroad)	7		✓
Stormwater Green Plans and EC Details	5		✓
Planting and Irrigation Plans (20-Scale)	15		✓
Highway & Path Lighting/ Fiber Optic Plans and Details	6		✓
Signal Modification Plans (Diamond Oaks)	2		✓
Shoofly LOTB	2		✓
City and Railroad Standard Details (Mod)	5		✓
Total Roadway Sheets	176	30	176

We have assumed the Andora Underpass is anticipated to be an approximately two 69-foot standard UPRR steel girder spans. The UPRR structures (undercrossing and culvert extensions) shall be designed using AREMA. Non-UPRR structures will be designed for Load Resistance Factor Design following "AASHTO LRFD Bridge Design Specifications, 6th edition with the California Amendments. For seismic design Caltrans Seismic Design Criteria (Version 1.7) will be followed. Other references that MTCO shall follow are Caltrans Division of Structures "Bridge Memo to Designers", "Bridge Design Aids", "Bridge Design Details" and the "Office of Specially Funded Projects Information and Procedure Guide". It is anticipated that the Structures Plans will consist of the following sheets:

Structure Sheet Count	Quantity	30%	Final*
General Plan	1	√	√
Notes / Index	1		√
Foundation Plan	1	√	√
Abutment Layout	2		√
Abutment Details	4		√
Bent Layout	1		√
Bent Details	3		√
Typical Section	1	√	√
Girder Layout	2		√
Girder Details	2		√
Deck Plan	1		√
Miscellaneous Details	2		√
Bearing	1		√
Deck Drainage Details	1		√
Waterproofing Details	1		√
Sacrificial Beam Details	1		√
Structure Approach	1		√
Abutment Drainage	1		√
Railing Details	2		√
Architectural Treatment	2	√	√
Structure Lighting Plans and Details	2		√
Log of Test Borings	2		√
Total Structure Sheets	35	5	35

7.2 "C" Submittal to UPRR (60% PS&E)

This is a critical submittal to UPRR. The submittal contains all plan sheets for the structure. It also contains the shoofly plans, staging plans, geotechnical and drainage reports and specifications. This review takes at least 6 weeks and provides UPRR basic approval of all the design features. If only non-controversial comments are received from UPRR, we will respond the comments with the 100% UPRR submittal. (This is the same submittal that is called the 95% plan submittal to the City)

7.3 95% PS&E (City), 100% PS&E UPRR)

Independent Check (95%)

Under this task, MTCO will review comments from the City and UPRR 60% review and incorporate the comments into the 95% PS&E submittal. Quality Control reviews will be performed before submittals to the City.

Structure independent checks will follow standard Caltrans practice which involves having a registered professional engineer who is independent from the project to structure designs, plan preparation, and quantity estimates. Differences in the

calculations will be reconciled first before the 90% plans are submitted to the City and UPRR for review and approval. Design team members will respond to the independent check comments and will provide a written memo outlining resolutions to all the check comments and design discrepancies. Bridge designers will reconcile the check comments on the quantity checks in accordance with Caltrans Bridge Design Aids Section 11 "Estimating".

Also at this time MTCO will complete a set of Special Provisions. Upon completion of the independent check, MTCO shall prepare quantity calculations. From these quantity calculations, MTCO shall prepare an Engineers Estimate and submit the 95% PS&E (Plans, Specifications, and Estimate). Construction costs for the estimate will be developed using current bid results from similar projects, Caltrans data base information and from Caltrans latest Construction Cost Manual. All estimates shall be done in Caltrans BEES format using MS Excel.

A bound set of independent design calculations will be prepared for each bridge structure and submitted to the County and Caltrans for review during the 95% Submittal as indicated within this scope of work.

The independent design check will also include a thorough review of the bridge construction plans to ensure that the plans accurately reflect the design intent.

General Cross Sections

General cross sections will be developed at 1"=10' scale and will be placed on a grid showing the existing ground, surface geometry, elevations, edge of pavement, existing/proposed fence lines, subgrade and finished surface. The conform elevation will be plotted on the cross sections. The cross sections will be created every 50 feet.

Specifications

The MTCO team will prepare Special Provisions for inclusion within the contract documents. The special provisions (SSPs) will follow City standards and will be based upon current Caltrans Standard Special Provisions and Standard Plans. It is assumed that the City will provide the General Provisions to be included in the specification package; MTCO will review and update references for use of the special provisions (i.e. establish hierarchy for which documents take precedence, coordination of bonding and insurance requirements, etc).

Construction Cost Estimates

MTCO will prepare an updated itemized engineer's estimate for the 60% (Roadway Items only), 95% and final stages for the project. The format will be similar to the Caltrans BEES format. The unit costs will be determined by reviewing similar recent project bid summaries, the most current Caltrans Contract Cost Data book, the California Highway Construction Cost Index information, and the Caltrans ESC site.

Storm Water Pollution Prevention Plan (SWPPP)

Wood Rodgers will prepare the SWPPP for the project, including uploading Permit Registration Documents (PRD's) to the state-wide database of construction projects (referred to as the Storm Water Multi-Application Report Tracking System or SMARTS database). The PRD's include the Notice of Intent (NOI), a risk assessment, post-construction calculations, a site map, a SWPPP, a signed certificate and the first annual permit fee (to be paid by the City).

Structures Final Submittal (100% Plans)

Upon receiving comments back from the City on the 95% submittal we will make any required revisions and submit 100% PS&E. This submittal represents a biddable package.

7.4 Constructability Review

We have assumed the constructability review would be conducted at the 95% submittal. Ideally, this review should be conducted at the 30% for concepts, the 60% for exact design features and again at 95% to provide comments on the final PS&E contents.

7.5 "D" Submittal to UPRR

The 95% City PS&E will be re-labeled for the 100% submittal to UPRR. This will allow time for UPRR review and time to respond to UPRR final comments.

7.6 Draft ROW Certificate to Caltrans

A draft ROW and Utility Certificate will be submitted to Caltrans to obtain approval of the utility protection/ relocations prior to submitting the E-76.

7.7 100% PS&E

This submittal will respond to both City 95% comments and UPRR 100% comments and resubmit 100% PS&E to UPRR. This submittal concludes the design level submittals to UPRR and concludes with an approved C&M Agreement.

7.8 Resident Engineer's (R.E.) File & Surveyor's File

Following the identification of construction funding, and upon approval by the City, MTCO will prepare the RE file and Surveyor's file for the project. The RE file will include project correspondence and memorandums that are important for the Resident Engineer to know about decisions, etc. that were made during project development. The Surveyor's file will include pertinent information needed to establish project control. Caltrans Project Development Manual, latest edition will be used as a guideline. Construction Staking Notes are not included within this task; should the City want MTCO to prepare staking notes, a separate scope of work and fee will be provided.

Task 7 Deliverables

- Interim PS&E Submittals (60%, 95%, 100%) - 30 copies each - Half size plans & PDF
- 30 copy & PDF- Specs
- 1 copy & PDF - Estimate
- Final PS&E (combined Roadway, Structures, 1 copies – mylar, wet signed & Cross Sections) stamped 1 copy – electronic CADD and PDF
- Final Structure Calculations (wet stamped) - 1 copy
- Final Quality Calculations - 1 copy
- Materials Handout - 1 copy and PDF
- RE & Surveyor's File - 1 copy
- General Roadway Cross Sections - 1 hard copy (1/2 size); 1 PDF
- SWPPP - 3 copies and 1 PDF

8.0 BIDDING & CONSTRUCTION SERVICES

Due to the uncertainty of the level of effort required for Construction Support, a budget amount has been provided for bidding assistance that will be used on a time and materials basis as requested by the City. Once construction funding is identified, MTCO will coordinate with the City regarding an amendment for Construction Support.

This scope assumes that Advertising and the preparation of Bidding Packages will be the responsibility of the County and that reproductions for bid documents are not included. MTCO will be available to answer questions during the bidding process. MTCO shall be available on an as-needed basis for support during the bid and construction phase, including contract administration if required. Assuming only consultation during construction, the following services could be provided as requested by the City:

- MTCO will attend Pre-bid meeting.
- Answer Contractor questions during bidding stage.
- Provide an analysis of the bid amounts and a recommendation for award
- MTCO will attend Pre-construction meeting.
- MTCO will make periodic site visits. A total of eight (12) site visits are included with this task during construction.
- MTCO will provide change order review and plan revisions as required.
- MTCO will provide review of Shop Drawings for the UPRR Structure. Review comments and approvals on these Shop Drawings, and calculations will be provided to the RE. A budget of 250 hours is assumed for review of structure shop plans

- MTCO will provide ongoing consultation and interpretation of contract documents as required and review proposed change orders if requested by Resident Engineer.
- MTCO will review submittals and shop drawings, when requested by the Construction Manager and provide construction assistance as required.
- Prepare record drawings

Letter of Map Revision Request

Upon project completion, Wood Rodgers will prepare a Letter of Map Revision (LOMR) request for the City to submit to FEMA. The estimate for this work is based on obtaining FEMA approval of the CLOMR request submitted under Task 6 and the as-built conditions matching the conditions reflecting in the CLOMR. Adequate as-built drawings for submittal of the LOMR request will be provided by others.

Wood Rodgers will obtain appropriate field photographs of the completed project to support the LOMR request. Wood Rodgers will complete the appropriate forms and compile the LOMR request package using the proposed conditions model from the CLOMR request as the current conditions model. A draft LOMR request package will be submitted to the City. Comments on the draft will be addressed and a final LOMR request package will be submitted to the City. FEMA processing fees will be paid directly by the City. Wood Rodgers will address comments from FEMA on the LOMR request.

Task 8 Deliverables

- Bidding Memo
- Meeting Notes
- E-mail responses to RFI's
- Submittal Reviews (as negotiated)
- Post Construction SWQP
- Record Drawings in AutoCAD
- LOMR

COST PROPOSAL FOR PROJECT SCOPE - Roseville:Washington/Andora Widening Project																																													
	MARK THOMAS & COMPANY INC. HOURS																MARK THOMAS & COMPANY INC. FEE											SUBCONSULTANT FEES							TOTAL FEE										
	Principal	Senior Engineering Manager	Engineering Manager	Structural Manager	Survey Manager	Senior Project Engineer	Project Engineer	Senior Design Engineer	Design Engineer	Project Surveyor	Sr. Engineering/Survey/CADD Tech	Project Coordinator	Single Chief with Equipment	2 Person Field Party and Vehicle	Landscape Architect II	Landscape Architect I	MTCO HOURS	Principal	Senior Engineering Manager	Engineering Manager	Structural Manager	Survey Manager	Senior Project Engineer	Project Engineer	Senior Design Engineer	Design Engineer	Project Surveyor	Sr. Engineering/Survey/CADD Tech	Project Coordinator	Single Chief with Equipment	2 Person Field Party and Vehicle	Landscape Architect II	Landscape Architect I	MTCO SUBTOTAL		AIM	Crawford & Associates	Fehr & Peers	HDR	ICF Jones & Stokes	RailPros	Wood Rodgers	SUBCONSULTANT SUBTOTAL		
																		325.00	310.00	252.00	278.00	200.00	178.00	168.00	158.00	118.00	145.00	126.00	100.00	170.00	270.00	200.00	178.00												
2.0 DATA COLLECTION, MAPPING & SURVEYS																																													
2.1 Data Gathering / Field Review					2		16		32	4	16											\$400		\$2,688		\$3,776	\$580	\$2,016							\$9,460										\$9,460
2.2 Control Surveys										16	16					24											\$2,320	\$2,016				\$6,480												\$10,816	
2.3 Aerial Mapping				2				2														\$400				\$236									\$636								\$636		
2.4 Supplemental Topo / Hydraulic Sections				4		2			2	16	16				72							\$800		\$336		\$236	\$2,320	\$2,016			\$19,440				\$25,148							\$25,148			
2.5 Complete Base Mapping & Existing Boundary				12					2	40	80		8	8								\$2,400				\$236	\$5,800	\$10,080		\$1,360	\$2,160				\$21,800							\$21,800			
2.6 Survey Utility Potholes				2		4				4	8		16									\$400		\$672			\$580	\$1,008		\$2,720				\$5,380							\$5,380				
2.7 R/W Plats & Legals				4						8	16											\$800					\$1,160	\$2,016						\$3,976							\$3,976				
Subtotal Task 2				26		22		36	88	152		24	104									\$5,200		\$3,696		\$4,248	\$12,760	\$19,152		\$4,080	\$28,080				\$77,216							\$77,216			
3.0 PRELIMINARY ENGINEERING (ALTERNATIVE ANALYSIS)																																													
3.1 "A" Submittal to UPRR		2	2			16			16														\$620	\$504			\$2,848								\$5,860								\$5,860		
3.2 UPRR Response to "A" Submittal		2	2			4																	\$620	\$504			\$712							\$1,836								\$1,836			
3.3 Traffic Analysis		2	8			8			16														\$620	\$2,016			\$1,424							\$5,948							\$36,230	\$42,178			
3.4 Geotechnical Investigation and Report			2	4		16														\$1,112					\$504			\$2,848						\$4,464						\$68,309	\$68,309	\$72,773			
3.5 Hydraulic & Hydrology Study			16			16																		\$4,032			\$2,848							\$6,880							\$132,428	\$139,308			
3.6 Environmental Constraints Memo		2	8			24			16														\$620	\$2,016			\$4,272							\$8,796								\$8,796			
3.7 Roadway Drainage Report		4	16			24	80		80		40												\$1,240	\$4,032			\$4,272	\$13,440	\$9,440		\$5,040			\$37,464								\$37,464			
3.8 Draft GAD's and Shoofly Layouts		16	24			40	60		80		80												\$4,960	\$6,048			\$7,120	\$10,080						\$47,728						\$29,296	\$29,296	\$77,024			
3.9 Architectural Feature Conceptual Design		2		4												16	32							\$620		\$1,112								\$10,628								\$10,628			
3.10 APS's - 3 Alternatives		2	4	8		40	80				80													\$620	\$1,008	\$2,224		\$7,120	\$13,440					\$34,492								\$34,492			
3.11 Preliminary Cost and Construction Schedule Estimates		2	4	4		16	24		32		32													\$620	\$1,008	\$1,112		\$2,848	\$4,032					\$17,428								\$17,428			
3.12 Draft Alternative Analysis Memo		4	16	4		24	40		16															\$1,240	\$4,032	\$1,112		\$4,272	\$6,720					\$19,264								\$19,264			
3.13 Prepare 30% Plans	5	16	24	8		40	60		160		120												\$1,625	\$4,960	\$6,048	\$2,224	\$7,120	\$10,080						\$66,057						\$44,273	\$44,273	\$110,330			
3.14 "B" Submittal to UPRR and Respond to "A" Comments		2	2	2		8																		\$620	\$504		\$556		\$1,424					\$3,104									\$3,104		
Subtotal Task 3	5	56	128	34		276	344		416		352				16	32	1659	\$1,625	\$17,360	\$32,256	\$9,452		\$49,128	\$57,792		\$49,088			\$44,352				\$3,200	\$5,696	\$269,949		\$68,309	\$36,230		\$73,569	\$132,428	\$310,536	\$580,485		
4.0 UTILITY COORDINATION																																													
4.1 Request for Utility Identification (A Letters)			2			4			8		8															\$504		\$712			\$944		\$1,008			\$3,168								\$3,168	
4.2 Meeting with City Electric & General Coordination			8			16			16																	\$2,016		\$2,848			\$1,888				\$6,752								\$6,752		
4.3 Pothole for High Risk Utilities			2			4			16																	\$504		\$712			\$1,888				\$3,104								\$3,104		
4.4 Identification of Conflicts (B Letters)		2	4			16			32		16															\$1,008		\$2,848			\$3,776		\$2,016		\$10,268								\$10,268		
4.5 Prepare Notice to Relocate (if required)		2	4			40			60																\$620	\$1,008		\$7,120	\$7,080					\$15,828								\$15,828			
4.6 Prepare Utility Certificate		2	4			80			80																\$620	\$1,008		\$14,240		\$9,440				\$25,308								\$25,308			
Subtotal Task 4	6	24				160			212		24						426		\$1,860	\$6,048			\$28,480			\$25,016			\$3,024					\$64,428								\$64,428			
5.0 ENVIRONMENTAL																																													

COST PROPOSAL FOR PROJECT SCOPE - Roseville:Washington/Andora Widening Project																																														
	MARK THOMAS & COMPANY INC. HOURS																MARK THOMAS & COMPANY INC. FEE											SUBCONSULTANT FEES																		
	Principal	Senior Engineering Manager	Engineering Manager	Structural Manager	Survey Manager	Senior Project Engineer	Project Engineer	Senior Design Engineer	Design Engineer	Project Surveyor	Sr. Engineering/Survey/CADD Tech	Project Coordinator	Single Chief with Equipment	2 Person Field Party and Vehicle	Landscape Architect II	Landscape Architect I	MTCO HOURS	Principal	Senior Engineering Manager	Engineering Manager	Structural Manager	Survey Manager	Senior Project Engineer	Project Engineer	Senior Design Engineer	Design Engineer	Project Surveyor	Sr. Engineering/Survey/CADD Tech	Project Coordinator	Single Chief with Equipment	2 Person Field Party and Vehicle	Landscape Architect II	Landscape Architect I	MTCO SUBTOTAL	AIM	Crawford & Associates	Fehr & Peers	HDR	ICF Jones & Stokes	RailPros	Wood Rodgers	SUBCONSULTANT SUBTOTAL	TOTAL FEE			
																		325.00	310.00	252.00	278.00	200.00	178.00	168.00	158.00	118.00	145.00	126.00	100.00	170.00	270.00	200.00	178.00													
6.0 PUBLIC OUTREACH																																														
6.1 Stakeholder Identification and Outreach		16	16																\$4,960	\$4,032														\$8,992	\$21,639							\$21,639	\$30,631			
6.1.1 Stakeholder Coordination		40	40				40												\$12,400	\$10,080				\$6,720										\$29,200									\$29,200	\$29,200		
6.2 Public Workshops	5	12	12			16			32						16				\$1,625	\$3,720	\$3,024			\$2,848			\$3,776						\$3,200	\$18,193	\$18,139		\$2,800				\$20,939	\$39,132				
Subtotal Task 6	5	68	68			16	40		32						16				\$1,625	\$21,080	\$17,136			\$2,848	\$6,720		\$3,776					\$3,200	\$56,385	\$39,779			\$2,800				\$42,579	\$98,964				
7.0 PROJECT FINAL DESIGN																																														
7.1 60% Design		40	120	40		600	600	800	800		700				120	160				\$12,400	\$30,240	\$11,120		\$106,800	\$100,800	\$126,400	\$94,400		\$88,200				\$24,000	\$28,480	\$622,840			\$15,171		\$50,335	\$27,696	\$93,202	\$716,042			
7.2 "C" Submittal to UPRR		2	4			8													\$620	\$1,008				\$1,424									\$3,052									\$3,052	\$3,052			
7.3 95% Plans (Signed for UPRR Submittal)	5	30	80	30		400	500	600	600		500				60	120			\$1,625	\$9,300	\$20,160	\$8,340		\$71,200	\$84,000	\$94,800	\$70,800		\$63,000				\$12,000	\$21,360	\$456,585			\$7,002		\$61,462	\$20,772	\$89,236	\$545,821			
7.4 Constructability Review		2	8	2		8													\$620	\$2,016	\$556			\$1,424									\$4,616				\$31,536					\$31,536	\$36,152			
7.5 "D" Submittal to UPRR		2	4			8													\$620	\$1,008				\$1,424									\$3,052									\$3,052	\$3,052			
7.6 Draft R/W Cert to Caltrans		2	4			16													\$620	\$1,008				\$2,848									\$4,476									\$4,476	\$4,476			
7.7 100% PS&E	5	20	40	20		100	160	160	160		180				40	80			\$1,625	\$6,200	\$10,080	\$5,560		\$17,800	\$26,880	\$25,280	\$18,880		\$22,680				\$8,000	\$14,240	\$157,225		\$1,167		\$52,086	\$6,924	\$60,177	\$217,402				
7.8 RE Binder			2			16		40												\$504				\$2,848		\$6,320	\$18,880							\$9,672									\$9,672	\$9,672		
Subtotal Task 7	10	98	262	92		1156	1260	1600	1560		1380				220	360			\$3,250	\$30,380	\$66,024	\$25,576		\$205,768	\$211,680	\$252,800	\$184,080		\$173,880				\$44,000	\$64,080	\$1,261,518			\$23,340	\$31,536		\$163,883	\$55,392	\$274,151	\$1,535,669		
Subtotal Final Design/Public Outreach Phase																																			\$1,317,903								\$316,729	\$1,634,632		

COST PROPOSAL FOR PROJECT SCOPE - Roseville:Washington/Andora Widening Project																																											
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	Principal	Senior Engineering Manager	Engineering Manager	Structural Manager	Survey Manager	Senior Project Engineer	Project Engineer	Senior Design Engineer	Design Engineer	Project Surveyor	Sr. Engineering/Survey/CADD Tech	Project Coordinator	Single Chief with Equipment	2 Person Field Party and Vehicle	Landscape Architect II	Landscape Architect I	MTCO SUBTOTAL	AIM	Crawford & Associates	Fehr & Peers	HDR	ICF Jones & Stokes	RailPros	Wood Rodgers	SUBCONSULTANT SUBTOTAL	TOTAL FEE																	
8.0 BID AND CONSTRUCTION SERVICES																																											
8.1 Bidding Services	4	16	4			24		40																																			
8.2 Construction (Assumes Road Closure Option)	40	200	40			200	250	250	200																																		
8.3 Prepare Record Drawings	4	16	4			20			20		80																																
Subtotal Task 8	48	232	48			244	250	290	220		80																																
Subtotal Construction Support Phase																																											
TOTAL ALL PHASES																																											
REIMBURSEABLES																																											
TOTAL	40	684	1122	224	26	1936	2194	1970	2652	88	1988	130	24	104	252	392	13826	\$13,000	\$212,040	\$282,744	\$62,272	\$5,200	\$344,608	\$368,592	\$311,260	\$312,936	\$12,760	\$250,488	\$13,000	\$4,080	\$28,080	\$50,400	\$69,776	\$2,389,236	\$46,979	\$125,305	\$71,751	\$31,536	\$302,695	\$281,700	\$220,982	\$1,080,946	\$3,470,182.41

ORDINANCE NO. 5677

ORDINANCE OF THE COUNCIL OF THE CITY OF ROSEVILLE
AUTHORIZING CERTAIN AMENDMENTS TO THE 2015-16
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 2015-16, is hereby amended by transferring appropriation to and from the activities indicated below:

Appropriate funds for the Washington/Andora Widening project per request of the Public Works Department, as listed on the attached Request for Budget Adjustment in the amount of \$1,814,294.00.

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 _____, 20__, by the following vote on roll call:

AYES COUNCILMEMBERS:

NOES COUNCILMEMBERS:

ABSENT COUNCILMEMBERS:

MAYOR

ATTEST:

City Clerk



REQUEST FOR BUDGET ADJUSTMENT
FINANCE DEPARTMENT

Instructions: Complete all necessary fields. Fields marked with an asterisk (*) are mandatory and required for processing. Obtain required approvals and process according to the procedure outlined in:
[A.R. 6.01 Budget Adjustment Policy & Procedure.](#)

REQUESTER*: Luz Buelna

DEPARTMENT/DIVISION*: Public Works - Engineering

FISCAL YEAR/EFFECTIVE DATE*: FY 15/16

PROPOSED COUNCIL DATE (if applicable): 04/08/2016

For more detailed budget adjustment training information, including examples, please click on the following link:
[Miscellaneous Budget Training Information.](#)

USE OF FUNDS*						
AMOUNT*	ACCOUNT NUMBER					Account Title/Activity Description*
	GL		FUND*	JL		
	ORG KEY*	OBJECT*		PROJECT	ACTIVITY	
1,814,294	20004	6120	221	072515	32	Washington/ Andora Widening Project
\$ 1,814,294	TOTAL					

SOURCE OF FUNDS*						
AMOUNT*	ACCOUNT NUMBER					Account Title/Activity Description*
	GL		FUND*	JL		
	ORG KEY	OBJECT		PROJECT	ACTIVITY	
1,814,294			221			TMF-Available Resources
\$ 1,814,294	TOTAL					

FINANCE USE	Approved: <i>Kathy Cullen</i> 4/13/16	Comments:
	BUDGET MANAGER/DESIGNEE	DATE

Justification for Budget Adjustment*:

Transfer funds for design.

Approved: <i>[Signature]</i> 4-13-2016	Approved: _____
REQUESTING DEPARTMENT HEAD / DESIGNEE	CITY MANAGER
DATE	DATE