AGENDA

January 25, 2018

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

1. CALL TO ORDER

2. ROLL CALL

3. PLEDGE OF ALLEGIANCE

4. PUBLIC COMMENTS

5. CONSENT CALENDAR

5.1. MINUTES OF DECEMBER 14, 2017

6. REPORTS/PRESENTATIONS

6.1. I-80 AND SR 65 INTERCHANGE TREE PERMIT - FILE # PL17-0353

Recommendations: Pass a motion to
A. Consider the Environmental Impact Report
B . Adopt the two (2) findings of fact and approve the Tree Permit subject to twenty (2) conditions of approval.
Applicant: Luke McNeel-Caird, Placer County Transportation Planning Agency. **Property Owners:** State of California and Union Pacific Railroad. (Hocker)

7. REPORTS: COMMISSION/STAFF

8. ADJOURNMENT

PLANNING COMMISSION

Title: MINUTES OF DECEMBER 14, 2017

Meeting Date: 1/25/2018
Item #: 5.1.

ATTACHMENTS:

Description

December 14, 2017 Minutes

Planning Commission Meeting
December 14, 2017 – 7:00 p.m.
Draft Minutes

I. ROLL CALL

Planning Commissioners Present
Bruce Houdesheldt, Chair
Krista Bernasconi
Erich Brashears
Justin Caporusso
Charles Krafka
Tracy Mendonsa

Planning Commissioners Absent
Joseph McCaslin, Vice-Chair, *Excused*

Staff Present
Greg Bitter, Planning Manager
Derek Ogden, Senior Planner
Gina McColl, Associate Planner
Wayne Wiley, Associate Planner
Marc Stout, City Engineer
Michelle Sheidenberger, Assistant City Attorney
Rich Plecker, Environmental Utilities Director
Dale Olson, Principal Engineer
Lupe Nelson, Recording Secretary

II. PLEDGE OF ALLEGIANCE

Commissioner Brashears led those in attendance in the Pledge of Allegiance.

III. ORAL COMMUNICATION

Chair Houdesheldt opened and closed the Oral Communication.

IV. CONSENT CALENDAR

Chair Houdesheldt asked if anyone wished to remove any of the items from the Consent Calendar for discussion. Hearing none, Chair Houdesheldt asked for a motion to approve the Consent Calendar as listed below:

A. MINUTES OF NOVEMBER 9, 2017

MOTION
Commissioner Caporusso made the motion, which was seconded by Commissioner Bernasconi, to approve the Minutes of November 9, 2017.

The motion passed with the following vote:
Ayes: Bernasconi, Brashears, Caporusso, Krafka, Mendonsa
Noes: None
Abstain: Houdesheldt

V. NEW BUSINESS

A. NIPA PCL 56 – AUTONATION COLLISON CENTER – 888 INDUSTRIAL AV – FILE # PL 17-0193

Associate Planner, Gina McColl, presented the staff report and responded to questions.

Chair Houdesheldt opened the public hearing and invited comments from the applicant and the audience.

Representative for the applicant, Lule Hoda, Santec, addressed the Commission and responded to questions. She stated she had received a copy of the staff report and was in agreement with staff's recommendations.

Public Comment:

- None

Commission Discussion:

- Describe the timeframe for the project

Chair Houdesheldt closed the public hearing and asked for a motion.

MOTION

Commissioner Krafka made the motion, which was seconded by Commissioner Brashears, to

A. Adopt the three (3) findings of fact for the Conditional Use Permit subject to ten (10) conditions of approval; and,
B. Adopt the two (2) findings of fact for the Design Review Permit Modification subject to sixty (60) conditions of approval.

The motion passed with the following vote:

Ayes: Bernasconi, Brashears, Caporusso, Krafka, Mendonsa, Houdesheldt
Noes: None
Abstain: None

B. NCRSP PCL 49A – FREEDOM POINT PARCELS, 1, 2 & 5 – 1928 FREEDOM WAY – FILE # PL17-0055.

Associate Planner, Gina McColl, presented the staff report and responded to questions.

Chair Houdesheldt opened the public hearing and invited comments from the applicant and audience.

Applicant, Neal Deridder, Borges Architectural Group, addressed the Commission and responded to questions. He stated he had received a copy of the staff report and was in agreement with staff's recommendations.

Public Comment:

- None

Commission Discussion:

- Traffic analysis discussion.
- Have the tenants been identified?
- Will access to new development be through Freedom Way or Thrive Drive?
- Has a parking arrangement been reached?
- Can a drive through be something other than a fast food restaurant?

- Why is a plan that was approved a few years ago by the Planning Commission being returned to the Planning Commission with changes to the approved plan?

Chair Houdesheldt closed the public hearing and asked for a motion.

MOTION
Commissioner Bernasconi made the motion, which was seconded by Commissioner Brashears, to
A. Consider the Addendum to the NCRSP PCL49 Bayside Church/Topgolf Mitigated Negative Declaration;
B. Adopt the two (2) findings of fact and approve the Major Project Permit Stage 1 Modification subject to eight (8) conditions of approval; and,
C. Adopt the two (2) findings of fact and approve the Major Project Permit Stage 2 subject to seventy-eight (78) conditions of approval.

The motion passed with the following vote:
Ayes: Bernasconi, Brashears, Caporusso, Krafka, Mendonsa, Houdesheldt
Noes: None
Abstain: None

C. NRSP PCLS DC-9A & DC-9B – DIAMOND CREEK DEVELOPMENT AGREEMENT EXTENSION – 1 MOONROCK RANCH ROAD – FILE # PL17-0215.

Associate Planner, Wayne Wiley, presented the staff report and responded to questions.

Chair Houdesheldt opened the public hearing and invited comments from the applicant and the audience.

Applicant, Stephen Des Jardins, addressed the Commission and responded to questions. He stated he had received a copy of the staff report and was in agreement with staff's recommendations.

Public Comment:
- None

Commission Discussion:
- Since a few of the details have not been worked out on the Development Agreement Amendment, if the Planning Commission adopted the proposed finding of facts would anything in the finding of facts change before it went to City Council? Answer from staff was "no" since the substance of the deal has been agreed to.
- What is the long-term use of the land?

Chair Houdesheldt closed the public hearing and asked for a motion.

MOTION
Commissioner Bernasconi made the motion, which was seconded by Commissioner Mendonsa, to recommend the City Council adopt the five (5) findings of fact for the Development Agreement Amendment and approve the Development Agreement Amendment.

The motion passed with the following vote:
Ayes: Bernasconi, Brashears, Caporusso, Krafka, Mendonsa, Houdesheldt
Noes: None
Abstain: None

VI. REPORTS: COMMISSION/STAFF

Staff Reports

- The Planning Commission meeting scheduled for January 11, 2018 will be cancelled due to a lack of agenda items.
- A Planning Commission meeting is planned for January 25, 2018.

Commissioner Reports

- None

VII. ADJOURNMENT

Chair Houdesheldt asked for a motion to adjourn the meeting.

MOTION
Commissioner Bernasconi made the motion, which was seconded by Commissioner Mendonsa, to adjourn to the meeting.

The motion passed unanimously at 7:55 p.m.

PLANNING COMMISSION

Title: I-80 AND SR 65 INTERCHANGE TREE PERMIT - FILE # PL17-0353

Meeting Date: 1/25/2018
Item #: 6.1.

ATTACHMENTS:

Description

P17-0353, Highway 65, Hwy 65 Tree Permit, 01 Staff Report

P17-0353, Highway 65, Hwy 65 Tree Permit, 02 Attachment 1 Impacted Trees

P17-0353, Highway 65, Hwy 65 Tree Permit, 02 Attachment 2 Pavement Delineation

PL17-0353, Highway 65, Tree Permit, 02 Exhibit A Arborist Report

CITY OF ROSEVILLE CALIFORNIA

Planning Division Staff Report
Planning Commission Meeting January 25, 2018

Prepared by: Lauren Hocker, Associate Planner

ITEM 6A: TREE PERMIT – I-80 AND SR 65 INTERCHANGE – I-80 AND SR 65 INTERCHANGE TREE PERMIT – PL17-0353

REQUEST

The applicant requests approval of a Tree Permit to authorize the removal of 86 protected oak trees, as part of Phase 1 of the I-80/SR 65 interchange improvement project.

Applicant – Luke McNeel-Caird, Placer County Transportation Planning Agency
Owner – State of California and Union Pacific Railroad

SUMMARY RECOMMENDATION

The Planning Division recommends that the Planning Commission take the following actions:

A. Consider the Environmental Impact Report.
B. Adopt the two (2) findings of fact and approve the Tree Permit subject to twenty (20) conditions of approval.

SUMMARY OF OUTSTANDING ISSUES

There are no outstanding issues associated with this request. The applicant has reviewed and is in agreement with the recommended conditions of approval.

BACKGROUND

In a 2009 study report, Caltrans found that upgrades to the I-80/SR 65 interchange were needed to improve congestion and fix design issues which were causing inefficiencies and safety issues. In fall of 2016, after a lengthy public review process, the Caltrans I-80/SR 65 Interchange Project was approved. The project includes widening of I-80 and SR 65, reconstruction of ramp connections, interchange modifications, and other improvements. The City is acting as a Responsible Agency, to authorize the removal of oak trees associated with Phase I of the project. Phase I of the I-80/SR 65 Interchange project will widen northbound SR 65 to three lanes from I-80 to a point west of the Galleria Boulevard ramps and modify the Galleria Boulevard/Stanford Ranch ramps (see Attachment 2 for the pavement delineation). An Arborist Report covering all project areas affecting trees was prepared (see Exhibit A); Figure 1 shows the study area. The project will remove a total of 83 protected oak trees within the City limits, and encroach within the driplines of six trees, for a total impact of 760 inches. The applicant has requested the City approve a Tree Permit to authorize these activities.

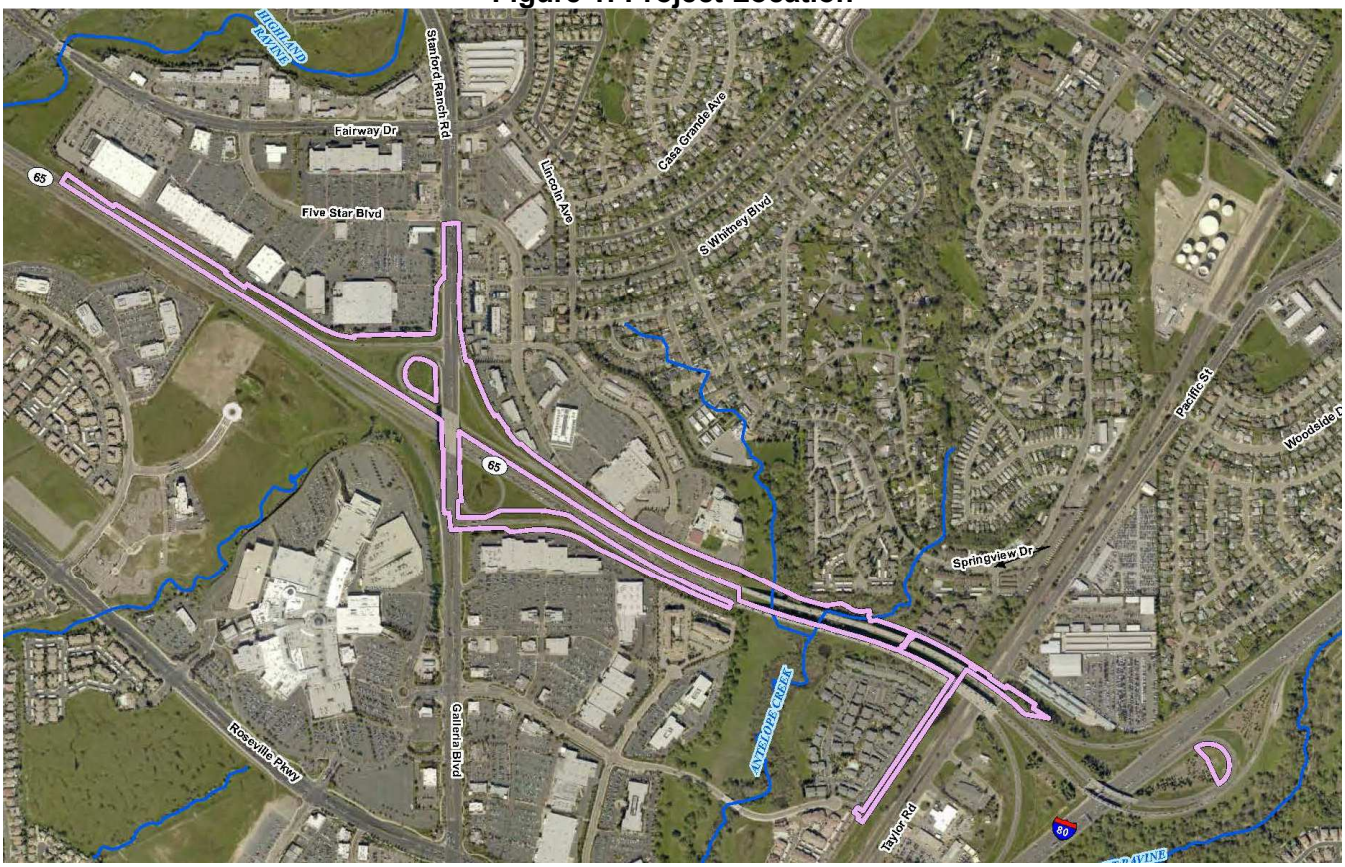
SITE INFORMATION

Location: SR 65 from the I-80/SR 65 Interchange to west of Galleria Boulevard

Total Size: 1.7 miles

Topography and Setting: The terrain and setting of the project vary from the interchange to the end of work west of the Galleria Boulevard ramps. SR 65 is elevated from the point where it crosses the railroad tracks until after it crosses Antelope Creek. After this point, the remainder of the project area is at-grade. Union Pacific Railroad owns the property around the railroad tracks, while the remaining area is owned by the State of California (Caltrans). The entire work area is located within areas of State right-of-way, and therefore the City does has not established land use or zoning designations in the project area. Most of the native oak trees within the study area are within the open space area surrounding Antelope Creek.

Figure 1: Project Location



EVALUATION

Pursuant to Zoning Ordinance Section 19.66.030, a Tree Permit is required for any removal of native oak trees or for more than 20% encroachment into the dripline of a native oak tree. The proposed project involves both types of impacts. The findings for a Tree Permit are as follows:

1. ***Approval of the Tree Permit will not be detrimental to the public health, safety or welfare, and approval of the Tree Permit is consistent with the provisions of Chapter 19.66.***

2. ***Measures have been incorporated into the project or permit to mitigate impacts to remaining trees or to provide replacement for trees removed.***

The Arborist Report is included as Exhibit A, which documents the presence of 358 trees in the study area. Many of these trees are not subject to the City's Tree Preservation Ordinance, as they are not native oak trees, are undersized (less than six inches dbh), or are not located within the City limits. For ease of reference, a list of trees authorized for removal or encroachment through the requested Tree Permit is included as Attachment 1 of this staff report. The project will remove a total of 83 protected oak trees within the City limits, for a loss of 718 inches. The project will also encroach within the driplines of six trees. For three of the trees the encroachment is very minor (less than 20%) as the driplines just edge into the project survey area. For the remaining three trees, the dripline encroachment is nearly 50% and will be very near the trunk. For this reason, these trees are considered a loss and are authorized for removal in the conditions of approval for this Tree Permit. The impacts to these trees result in a further loss of 42 inches. Combining the impacts resulting from removal and substantial encroachment, the total impact is 760 inches of protected oak trees and a total of 86 trees.

A review of the project plans shows the removal of the listed trees is necessary in order to undertake the project. Caltrans has gone through an extensive public review process for the overall project as part of the State approval process, and has demonstrated a compelling public need for the project. The project will improve traffic congestion and safety. Therefore, approval of the Tree Permit will not be detrimental to public health, safety, or welfare. As part of the public approval process, Caltrans published an Environmental Impact Report (EIR) describing the potential impacts of the project. The loss of oak woodland was noted as an impact, and mitigation was included requiring 1:1 compensation. The EIR noted that for impacts within the City of Roseville, mitigation would be achieved via compliance with the City's Tree Preservation Ordinance.

The Tree Preservation Ordinance includes multiple options for mitigation, with priority given to on-site planting. In the case of the proposed project, all of the on-site areas are within State right-of-way, where there is no additional room for long-term planting. Where planting is not an option, the Tree Preservation Ordinance allows the payment of in-lieu fees; the applicant has proposed to mitigate via this method. Conditions of approval have been added to this staff report which list the trees authorized for removal, require the payment of in-lieu fees, and require the preservation of all other protected oak trees. Measures have been incorporated into the Tree Permit to mitigate impacts.

PUBLIC OUTREACH

The proposed project was distributed to all internal and external agencies and departments who have requested such notice, and all comments or recommended conditions of approval have been incorporated into the project, as appropriate. A notice of the public hearing was published on January 11, 2018 and a notice of hearing was also distributed to all property owners within 300 feet of the project. A representative of the Placer Group Sierra Club contacted the City on January 17, 2018 to receive a copy of the staff report and a link to the Caltrans Environmental Impact Report, but submitted no comments. No other correspondence was received.

ENVIRONMENTAL DETERMINATION

On September 8, 2016 the California Department of Transportation, acting as Lead Agency, certified a Final Environmental Impact Report (EIR) for the project. The EIR included an analysis of removal of oak woodland, and included a mitigation measure requiring 1:1 compensation for impacts (refer to page 2.16-10 of the FEIR, located at http://8065interchange.org/?page_id=34). The proposed project implements the required mitigation, and therefore requires no further environmental documentation. The EIR concluded mitigation would reduce impacts to less than significant levels, and thus no Findings or Statement of Overriding Considerations is required for the City's action—as Responsible Agency—on the Tree Permit.

RECOMMENDATION

The Planning Division recommends the Planning Commission take the following actions:

A. Adopt the findings of fact as stated in the staff report for the **TREE PERMIT – I-80 AND SR 65 INTERCHANGE – I-80 AND SR 65 INTERCHANGE TREE PERMIT – PL17-0353** subject to twenty (20) conditions of approval.

CONDITIONS OF APPROVAL FOR THE TREE PERMIT

CONDITION	COMPLIANCE VERIFIED/ INSPECTED	COMMENTS
PRIOR TO ISSUANCE OF ANY PERMITS OR ANY CONSTRUCTION ON-SITE		
1. All recommendations contained in the Arborist Report (Exhibit A) shall be incorporated as part of these conditions except as modified herein. (Planning)		
2. Trees #8, 9, 11, 14, 16–21, 23, 26–28, 30, 35–39, 41–44, 52, 55, 57, 59, 61, 63, 67, 68, 70–72, 76, 80, 85–87, 95, 103, 104, 107, 110, 113–116, 118, 121, 124, 126, 128, 129, 131, 134–137, 139–143, 158, 161, 162, 169, 170, 174, 177, 181, 182, 190–193, 241, 242, 244, 246, 255, 262, 345, and 347 are approved for removal with this tree permit. All other native oak trees shall remain in place. Trees to be removed shall be clearly marked in the field and inspected by Planning Staff prior to removal. Removal of the trees shall be performed by or under the supervision of an ISA Certified Arborist. (Planning)		
3. The developer shall be responsible for the replacement of the total number of inches proposed for removal prior to any tree removal. The total number of inches for this project is 760. Prior to any tree removal, the applicant shall pay in-lieu mitigation fees or commit to the payment of such fees through a bond or similar mechanism. (Planning)		
4. No activity shall be permitted within the protected zone of any native oak tree, except those trees listed as approved for removal in Condition 2, or listed as having permitted encroachment in Condition 8.		
5. A $10,000 cash deposit or bond (or other means of security provided to the satisfaction of the Planning Division) shall be posted to ensure the preservation of all remaining trees during construction. The cash deposit or bond shall be posted in a form approved by the City Attorney. Each occurrence of a violation on any condition regarding tree preservation shall result in forfeiture of all or a portion of the cash deposit or bond. (Planning)		
6. A violation of any of the conditions of this Tree Permit is a violation of the Roseville Municipal Code, the Zoning Ordinance (Chapter 19.74) and the Tree Preservation Ordinance (Chapter 19.66). Penalties for violation of any of the conditions of approval may include forfeiture of the bond, suspension or revocation of the permit, payment of restitution, and criminal penalties. (Planning)		
7. A fencing plan shall be shown on the approved site plan and/or improvement plans demonstrating the Protected Zone for the affected trees. The fencing plan shall be reviewed and approved by the Planning Division prior to the placement of the protective fencing. (Planning)		

8. The applicant shall install a minimum of a five-foot high chain link fence (or acceptable alternative) at the outermost edge of the Protected Zone of protected oak trees. The fencing for encroachments shall be installed at the limit of construction activity; trees approved for encroachment are #89, 108, and 109. The applicant shall install signs at two equidistant locations on the temporary fence that are clearly visible from the front of the lot and where construction activity will occur. The size of each sign shall be a minimum of two feet (2') by two feet (2') and must contain the following language: "WARNING THIS FENCE SHALL NOT BE REMOVED OR RELOCATED WITHOUT WRITTEN AUTHORIZATION FROM THE PLANNING DIVISION". (Planning)		
9. Once the fencing is installed, the applicant shall schedule an appointment with the Planning Division to inspect and approve the temporary fencing before beginning any construction. (Planning)		
10. The applicant shall arrange with the arborist to perform, and certify in writing, the completion of deadwooding, fertilization, and all other work recommended for completion prior to the approval of improvement plans. Pruning shall be done by an Arborist or under the direct supervision of a Certified Arborist, in conformance with International Society of Arboriculture (I.S.A.) standards. Any watering and deep root fertilization which the arborist deems necessary to protect the health of the trees, as noted in the arborist report or as otherwise required by the arborist, shall be completed by the applicant. (Planning)		.
11. A utility trenching pathway plan shall be submitted depicting all of the following systems: storm drains, sewers, water mains, and underground utilities. The trenching pathway plan shall show the proposed locations of all lateral lines. (Planning)		
12. A Site Planning Meeting shall be held with the applicant, the applicant's primary contractor, and the Planning Division to review this permit, the approved grading or improvement plans, and the tree fencing prior to any grading on-site. The Developer shall call the Planning Division two weeks prior to the start of grading work to schedule the meeting and fencing inspection. (Planning)		
DURING CONSTRUCTION		
13. The following information must be located on-site during construction activities: the Arborist Report, the approved site plan/improvement plans including fencing plan, and the conditions of approval for the Tree Permit. All construction must follow the approved plans for this tree permit, without exception. (Planning)		
14. All preservation devices (aeration systems, oak tree wells, drains, special paving, etc.) shall be designed and installed as required by these conditions and the arborist's		

recommendations, and shall be shown on the improvement plans or grading plans. (Planning)		
15. If any native ground surface fabric within the Protected Zone must be removed for any reason, it shall be replaced within forty-eight (48) hours. (Planning)		
16. Storage or parking of materials, equipment and vehicles is not permitted within the Protected Zone of any oak tree. Vehicles and other heavy equipment shall not be operated within the Protected Zone of any oak tree. (Planning)		
17. Where recommended by the arborist, portions of the underground work shall be hand-dug under the direct supervision of the project arborist. The certified arborist shall immediately treat any severed or damaged roots. Minor roots less than one (1) inch in diameter may be cut, but damaged roots shall be traced back and cleanly cut behind any split, cracked or damaged area. Major roots over one (1) inch in diameter may not be cut without approval of an arborist and any arborist recommendations shall be implemented. (Planning)		
18. The temporary fencing shall remain in place throughout the entire construction period and shall not be removed without obtaining written authorization from the Planning Division. In no event shall the fencing be removed before the written authorization is received from the Planning Division. (Planning)		
AT COMPLETION OF ALL CONSTRUCTION		
19. Within 5 days of the completion of construction, a Certification Letter from a certified arborist shall be submitted to and approved by the Planning Division. The certification letter shall attest to all of the work (regulated activity) that was conducted in the Protected Zone of the tree, either being in conformance with this permit or of the required mitigation still needing to be performed. (Planning)		
20. A copy of the completed Tree Permit Compliance Verification/Inspection form shall be submitted to the Planning Division. (Planning)		

Attachments

1. Table of Impacted Trees
2. Pavement Delineation

Exhibits

A. Arborist Report

Note to Applicant and/or Developer: Please contact the Planning Division staff at (916) 774-5276 prior to the Commission meeting if you have any questions on any of the recommended conditions for your project. If you challenge the decision of the Commission in court, you may be limited to raising only those issues which you or someone else raised at the public hearing held for this project, or in written correspondence delivered to the Planning Manager at, or prior to, the public hearing.

Attachment 1

ID #	Species Common Name	Species Scientific Name	DBH	Dripline Diameter	Height	Health	Vigor	Struc
				REMOVALS				
8	Valley oak	*Quercus lobata*	10	20	25	Fair	Fair	Fair
9	Valley oak	*Quercus lobata*	8	32	15	Fair	Good	Fair-Poor
16	Valley oak	*Quercus lobata*	7	40	25	Fair	Fair	Fair
17	Valley oak	*Quercus lobata*	8	30	35	Fair	Fair	Fair
18	Valley oak	*Quercus lobata*	11.5	20	30	Fair	Fair	Fair-Poor
19	Valley oak	*Quercus lobata*	6	20	30	Fair	Fair	Fair
20	Interior live oak	*Quercus wislizenii*	7	50	20	Fair	Fair	Fair-Poor
21	Valley oak	*Quercus lobata*	9	30	35	Fair	Fair	Fair
23	Valley oak	*Quercus lobata*	8	20	35	Fair	Fair	Fair
26	Valley oak	*Quercus lobata*	13.5	40	30	Fair	Fair	Fair
27	Valley oak	*Quercus lobata*	6	20	25	Fair	Fair	Fair-Poor
28	Valley oak	*Quercus lobata*	8	30	25	Fair	Fair	Fair
30	Valley oak	*Quercus lobata*	12	50	40	Fair	Fair	Fair
35	Valley oak	*Quercus lobata*	13.5	30	45	Fair	Fair	Fair
36	Valley oak	*Quercus lobata*	7	14	15	Fair	Fair	Fair
37	Valley oak	*Quercus lobata*	8	30	30	Fair	Fair	Fair
38	Valley oak	*Quercus lobata*	10	30	30	Fair	Fair	Fair
39	Valley oak	*Quercus lobata*	8	30	35	Fair	Fair	Fair
41	Valley oak	*Quercus lobata*	6	30	30	Fair	Fair	Fair
42	Valley oak	*Quercus lobata*	8	30	30	Fair	Fair	Fair
43	Valley oak	*Quercus lobata*	6	20	20	Fair	Fair	Fair
44	Valley oak	*Quercus lobata*	8	40	25	Fair	Fair	Fair
52	Interior live oak	*Quercus wislizenii*	15	30	25	Fair	Fair	Fair
55	Valley oak	*Quercus lobata*	8.5	60	30	Fair	Fair	Fair
57	Valley oak	*Quercus lobata*	7	30	35	Fair	Fair	Fair
59	Valley oak	*Quercus lobata*	10.5	40	40	Fair	Fair	Fair
61	Valley oak	*Quercus lobata*	7	20	35	Fair	Fair	Fair
63	Valley oak	*Quercus lobata*	7	30	35	Fair	Fair	Fair
67	Valley oak	*Quercus lobata*	13	30	25	Fair	Fair	Fair-Poor
68	Valley oak	*Quercus lobata*	7	20	25	Fair	Fair	Fair
70	Valley oak	*Quercus lobata*	10	30	30	Fair	Fair	Fair
71	Valley oak	*Quercus lobata*	6	16	20	Fair	Fair	Fair
72	Valley oak	*Quercus lobata*	7	30	30	Fair	Fair	Fair
80	Valley oak	*Quercus lobata*	7	30	25	Fair	Fair	Fair
85	Valley oak	*Quercus lobata*	7.5	36	25	Fair	Fair	Fair
86	Valley oak	*Quercus lobata*	7	30	25	Fair	Fair	Fair

87	Valley oak	*Quercus lobata*	8	24	30	Fair	Fair	Fair
95	Valley oak	*Quercus lobata*	17	30	25	Fair	Fair	Fair
103	Valley oak	*Quercus lobata*	7.5	20	25	Fair	Fair	Fair
104	Interior live oak	*Quercus wislizenii*	11	40	30	Fair	Fair	Fair
107	Valley oak	*Quercus lobata*	11	30	20	Fair	Fair	Fair
110	Interior live oak	*Quercus wislizenii*	6	16	15	Fair	Fair	Fair
113	Valley oak	*Quercus lobata*	7	30	20	Fair	Fair	Fair
114	Valley oak	*Quercus lobata*	6	30	25	Fair	Fair	Fair
115	Valley oak	*Quercus lobata*	6.5	30	25	Fair	Fair	Fair
116	Valley oak	*Quercus lobata*	8	34	25	Fair	Fair	Fair
118	Valley oak	*Quercus lobata*	7	30	25	Fair	Fair	Fair
121	Valley oak	*Quercus lobata*	6	16	20	Fair	Fair	Fair
124	Valley oak	*Quercus lobata*	13.5	40	26	Fair	Fair	Fair
126	Valley oak	*Quercus lobata*	7	16	25	Fair	Fair	Fair
128	Valley oak	*Quercus lobata*	7	30	20	Fair	Fair	Fair
129	Valley oak	*Quercus lobata*	6	16	22	Fair	Fair	Fair
131	Valley oak	*Quercus lobata*	24.5	40	25	Fair	Fair	Fair
134	Valley oak	*Quercus lobata*	9	36	35	Fair	Fair	Fair
135	Valley oak	*Quercus lobata*	9	30	35	Fair	Fair	Fair
136	Interior live oak	*Quercus wislizenii*	13	30	17	Fair	Fair	Fair
137	Interior live oak	*Quercus wislizenii*	13	20	15	Fair	Fair	Fair
139	Interior live oak	*Quercus wislizenii*	12	30	15	Fair	Fair	Fair
140	Interior live oak	*Quercus wislizenii*	7	24	15	Fair	Fair	Fair-Poor
141	Interior live oak	*Quercus wislizenii*	6	20	15	Fair	Fair	Fair-Poor
142	Interior live oak	*Quercus wislizenii*	9	16	12	Fair	Fair	Fair
143	Interior live oak	*Quercus wislizenii*	6	16	10	Fair	Fair	Fair
158	Interior live oak	*Quercus wislizenii*	6	16	15	Fair	Fair	Fair
161	Interior live oak	*Quercus wislizenii*	15	20	20	Fair	Fair	Fair
162	Valley oak	*Quercus lobata*	18	36	40	Fair	Fair	Fair-Poor
169	Interior live oak	*Quercus wislizenii*	11	20	17	Good	Fair	Fair-Poor
170	Interior live oak	*Quercus wislizenii*	8	20	20	Fair	Fair	Fair
174	Interior live oak	*Quercus wislizenii*	18	40	25	Fair	Fair	Fair-Poor
177	Interior live oak	*Quercus wislizenii*	23	40	25	Fair	Fair	Fair-Poor
181	Interior live oak	*Quercus wislizenii*	9	30	25	Fair	Fair	Fair
182	Valley oak	*Quercus lobata*	14	40	25	Fair	Fair	Fair
190	Blue oak	*Quercus douglasii*	7	24	17	Fair	Fair	Fair
191	Blue oak	*Quercus douglasii*	10	20	10	Fair	Fair	Fair
192	Blue oak	*Quercus douglasii*	15	14	9	Fair	Fair	Fair
193	Blue oak	*Quercus douglasii*	13	30	20	Fair	Fair	Fair
241	Interior live oak	*Quercus wislizenii*	8	10	20	Fair	Fair	Fair

242	Interior live oak	*Quercus wislizenii*	7	6	15	Fair	Fair	Fair-Poor
244	Interior live oak	*Quercus wislizenii*	9	6	10	Fair	Fair	Fair
246	Interior live oak	*Quercus wislizenii*	11	10	15	Fair	Fair	Fair
255	Interior live oak	*Quercus wislizenii*	8	14	15	Fair	Fair	Fair
262	Interior live oak	*Quercus wislizenii*	23	20	15	Fair	Fair	fair
345	Blue oak	*Quercus douglasii*	7	6	12	Fair	Fair	Fair-Poor
347	Interior live oak	*Quercus wislizenii*	15	8	15	Fair	Fair	Fair

TOTAL INCHES REMOVED 718

ENCROACHMENT (> 20% # in red)

11	Valley oak	*Quercus lobata*	6	16	15	Fair	Fair	Poor
14	Valley oak	*Quercus lobata*	29	40	25	Fair	Fair	Fair-Poor
76	Valley oak	*Quercus lobata*	7	30	25	Fair	Fair	Fair
89	Valley oak	*Quercus lobata*	7	30	25	Fair	Fair	Fair
108	Valley oak	*Quercus lobata*	32	70	50	Fair	Fair-Poor	Fair
109	Interior live oak	*Quercus wislizenii*	8	30	35	Fair	Fair	Fair

TOTAL INCHES CONSIDERED LOST 42

Attachment 2

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	65	5.0/R6.6	141	390

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6-26-17
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REGISTERED PROFESSIONAL ENGINEER
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No. 40048
Exp. 12-31-17
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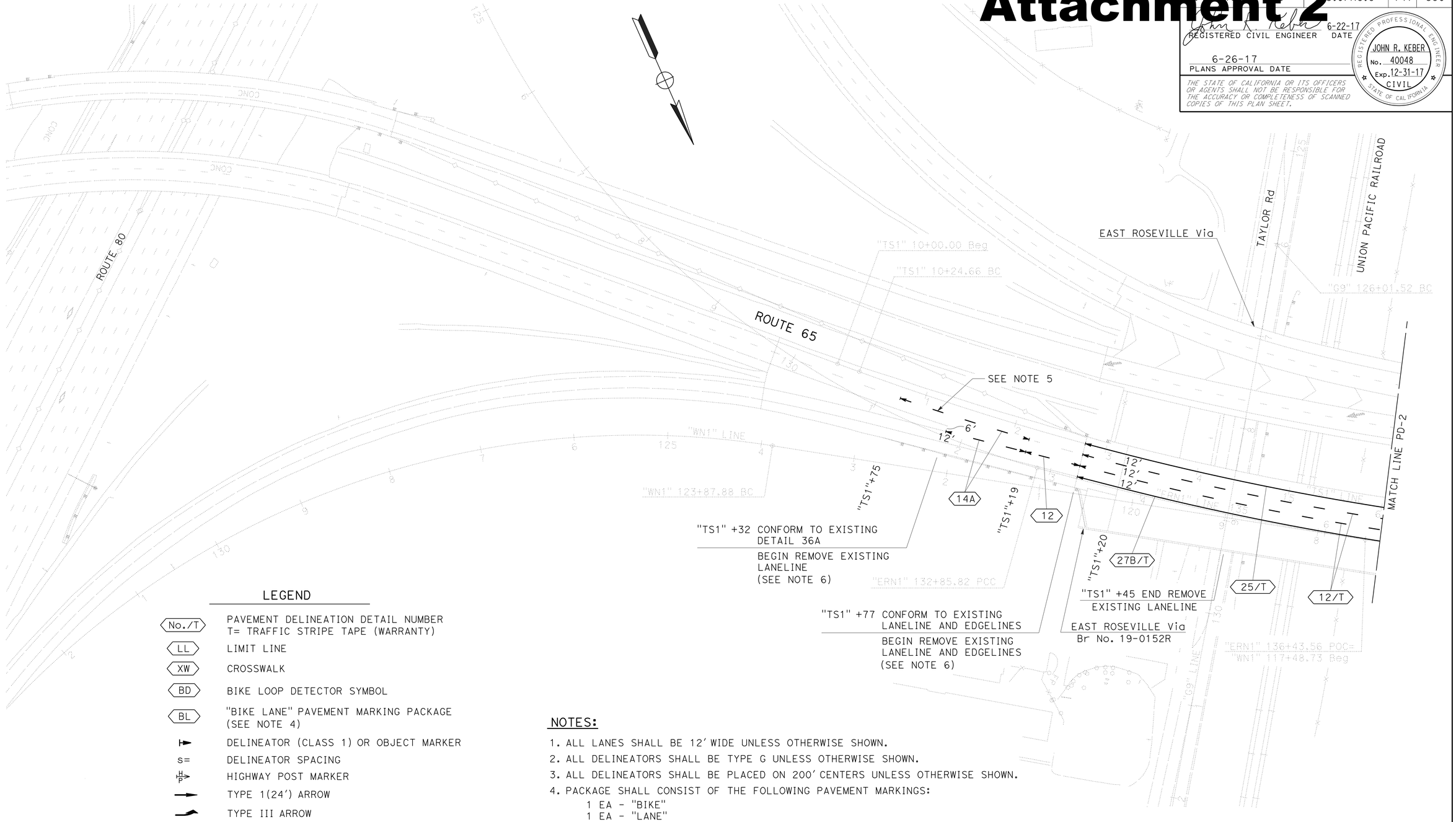

LEGEND

No./T	PAVEMENT DELINEATION DETAIL NUMBER T= TRAFFIC STRIPE TAPE (WARRANTY)
LL	LIMIT LINE
XW	CROSSWALK
BD	BIKE LOOP DETECTOR SYMBOL
BL	"BIKE LANE" PAVEMENT MARKING PACKAGE (SEE NOTE 4)
	DELINEATOR (CLASS 1) OR OBJECT MARKER
s=	DELINEATOR SPACING
	HIGHWAY POST MARKER
	TYPE 1(24') ARROW
	TYPE III ARROW
	TYPE V ARROW
Si	"SIGNAL" PAVEMENT MARKING
A	"AHEAD" PAVEMENT MARKING
F	"FWY" PAVEMENT MARKING
O	"ONLY" PAVEMENT MARKING

NOTES:

1. ALL LANES SHALL BE 12' WIDE UNLESS OTHERWISE SHOWN.
2. ALL DELINEATORS SHALL BE TYPE G UNLESS OTHERWISE SHOWN.
3. ALL DELINEATORS SHALL BE PLACED ON 200' CENTERS UNLESS OTHERWISE SHOWN.
4. PACKAGE SHALL CONSIST OF THE FOLLOWING PAVEMENT MARKINGS:
   1 EA - "BIKE"
   1 EA - "LANE"
   1 EA - BIKE LANE ARROW
   FOR BIKE LANE PAVEMENT MARKING PACKAGE LAYOUT INFORMATION, SEE SHEET PDD-1.
5. REMOVE EXISTING TYPE G MARKERS FROM EXISTING DETAIL 12 AND REPLACE WITH TYPE C MARKERS TO CREATE DETAIL 14A.
6. ALL TRAFFIC STRIPES AND PAVEMENT MARKINGS SHOWN TO BE REMOVED ON THE PAVEMENT DELINEATION PLANS SHALL BE COMPLETED USING THE WATER BLASTING METHOD.

APPROVED FOR PAVEMENT DELINEATION WORK ONLY

PAVEMENT DELINEATION PLAN

SCALE: 1"=50'

PD-1

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CHECKED BY	JOHN KEBER	DATE REVISED	
FUNCTIONAL SUPERVISOR	JOYCE K LOFTUS		

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UNIT 0390
PROJECT NUMBER & PHASE 03170002471

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	65	R5.0/R6.6	142	390

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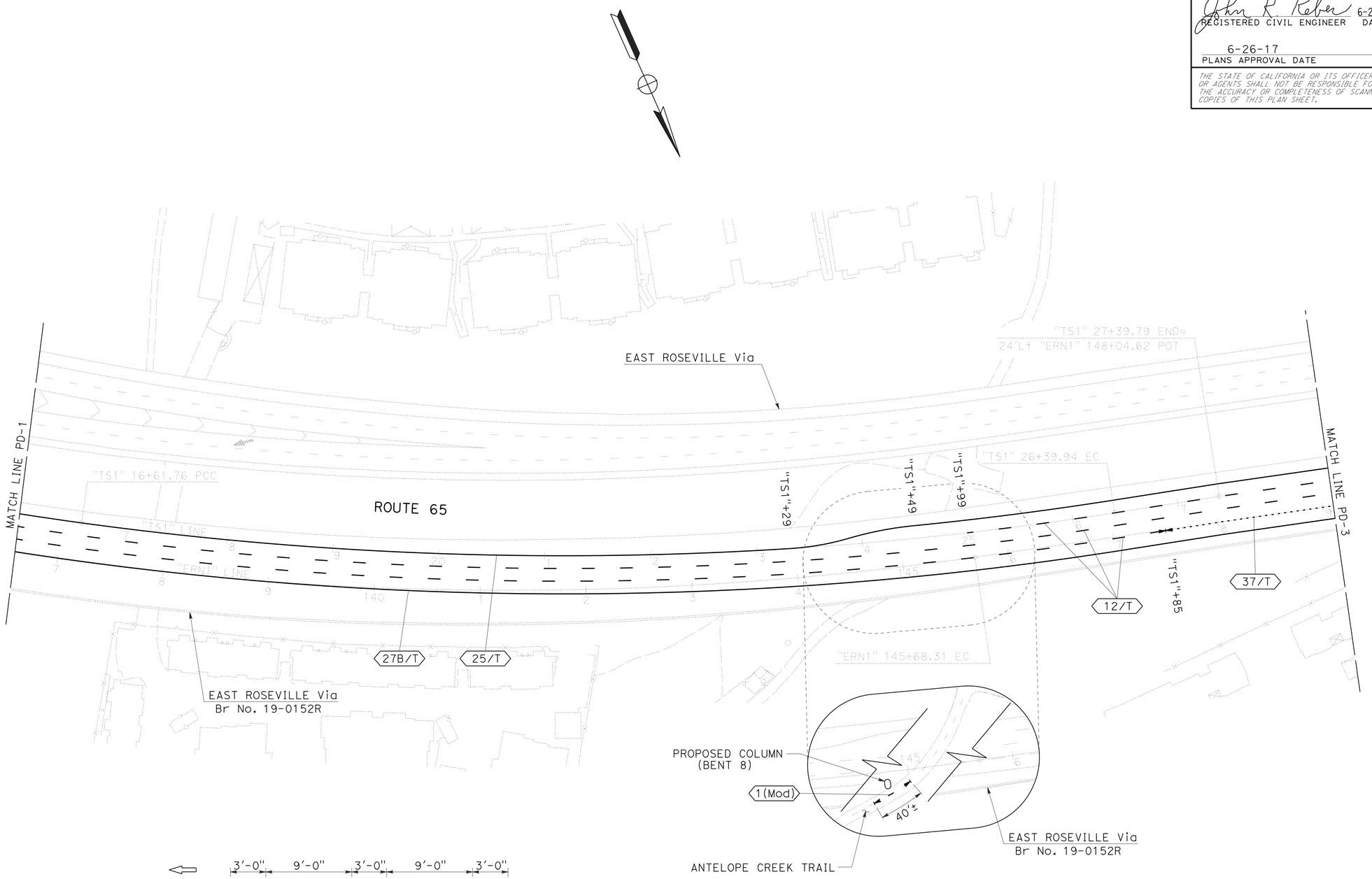

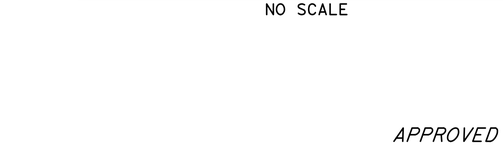

DETAIL 1(Mod) STRIPING DETAIL
NO SCALE

PAVEMENT DELINEATION PLAN

SCALE: 1"=50'

PD-2

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PROJECT NUMBER & PHASE 03170002471

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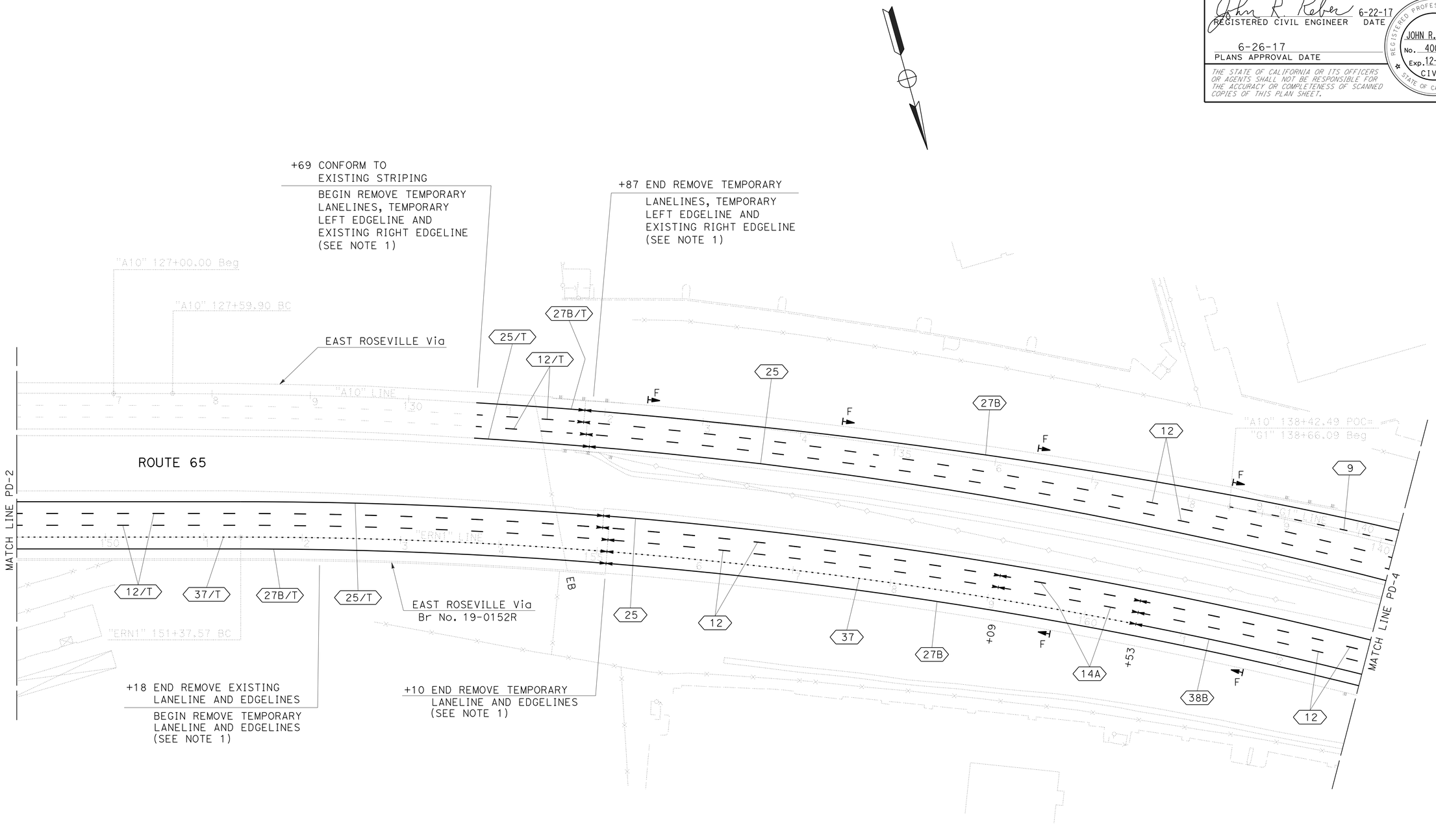
+69 CONFORM TO EXISTING STRIPING

BEGIN REMOVE TEMPORARY LANELINES, TEMPORARY LEFT EDGELINE AND EXISTING RIGHT EDGELINE (SEE NOTE 1)

+87 END REMOVE TEMPORARY LANELINES, TEMPORARY LEFT EDGELINE AND EXISTING RIGHT EDGELINE (SEE NOTE 1)



+18 END REMOVE EXISTING LANELINE AND EDGELINES

BEGIN REMOVE TEMPORARY LANELINE AND EDGELINES (SEE NOTE 1)

+10 END REMOVE TEMPORARY LANELINE AND EDGELINES (SEE NOTE 1)

NOTE:

1. LANELINES, EDGELINES AND TEMPORARY EDGELINES TO BE REMOVED BY WATER BLASTING METHOD.

PAVEMENT DELINEATION PLAN

SCALE: 1"=50'

PD-3

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UNIT 0390

PROJECT NUMBER & PHASE 03170002471

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	65	R5.0/R6.6	144	390

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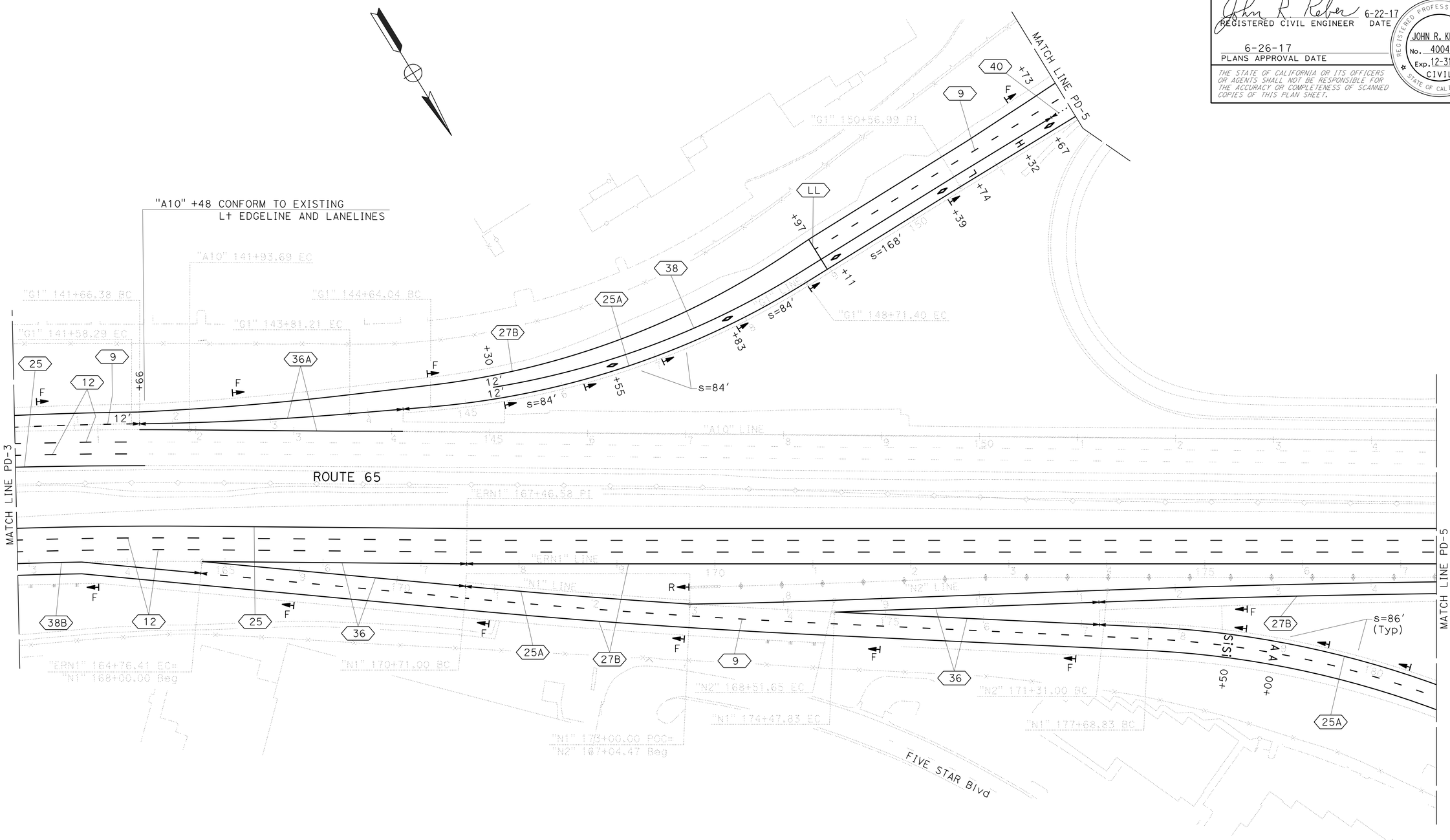

PAVEMENT DELINEATION PLAN

SCALE: 1"=50'

PD-4

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UNIT 0390
PROJECT NUMBER & PHASE 03170002471

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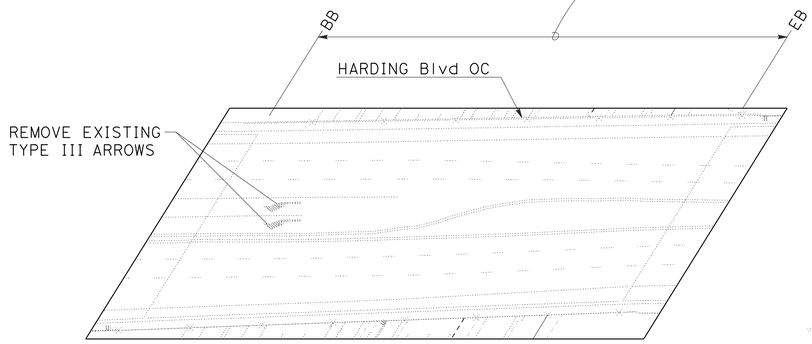
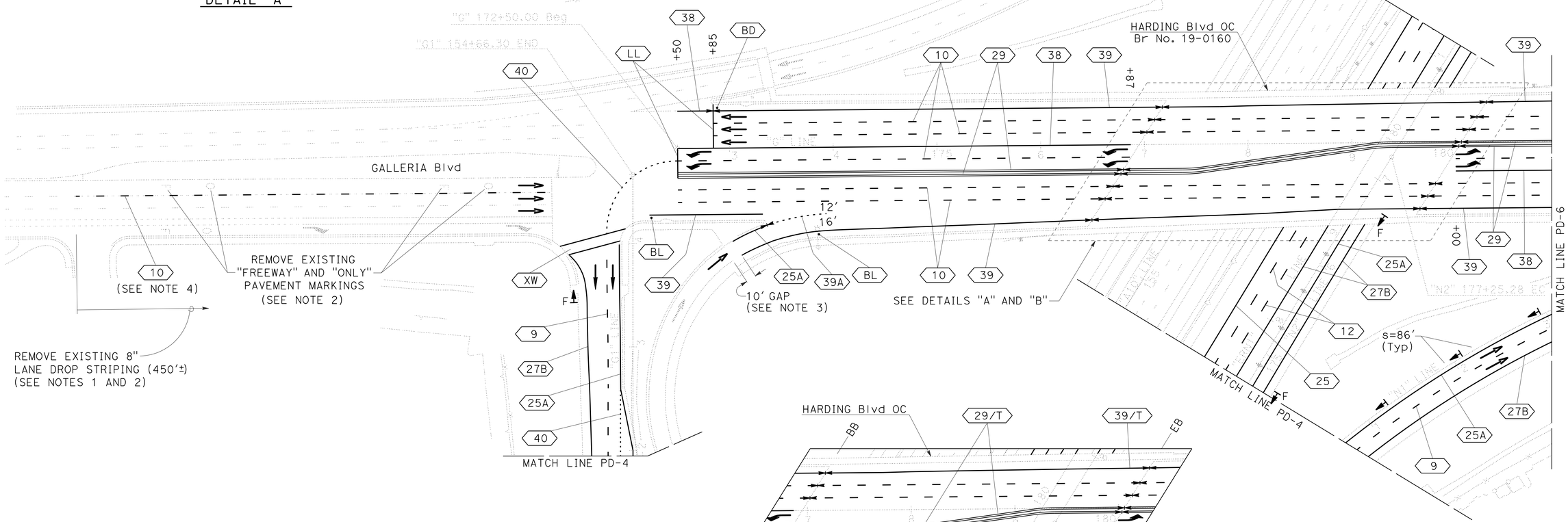
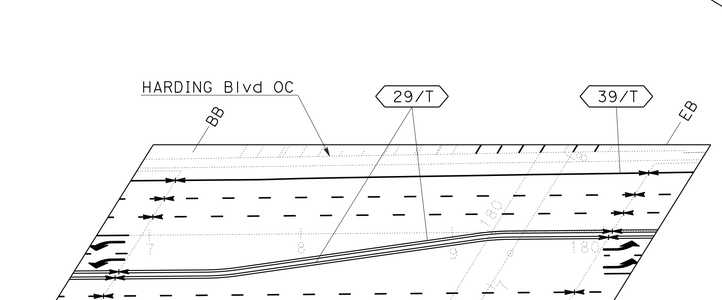
REMOVE EXISTING LANELINES (1280'±), MEDIAN ISLAND STRIPING (640'±), EDGELINES (640'±) AND 8" CHANNELIZING LINES (165'±) (SEE NOTES 1 AND 2)



DETAIL "A"





DETAIL "B"

NOTES:

1. THE REMOVAL LENGTHS SHOWN REPRESENT LINEAR MEASUREMENTS, NOT PAY QUANTITY.
2. 8" LANE DROP STRIPING, 8" CHANNELIZING LINES, EDGELINES AND PAVEMENT MARKINGS TO BE REMOVED BY WATER BLASTING METHOD.
3. PROVIDE A 10' GAP IN THE LEFT AND RIGHT RAMP EDGLINES ADJACENT TO THE EXISTING CURB RAMPS.
4. FOR DETAIL 10 STRIPING INFORMATION, SEE SHEET PD-6.

PAVEMENT DELINEATION PLAN

SCALE: 1"=50'

PD-5

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	65	R5.0/R6.6	146	390

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6-26-17
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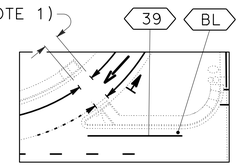
10' GAP
(SEE NOTE 1)



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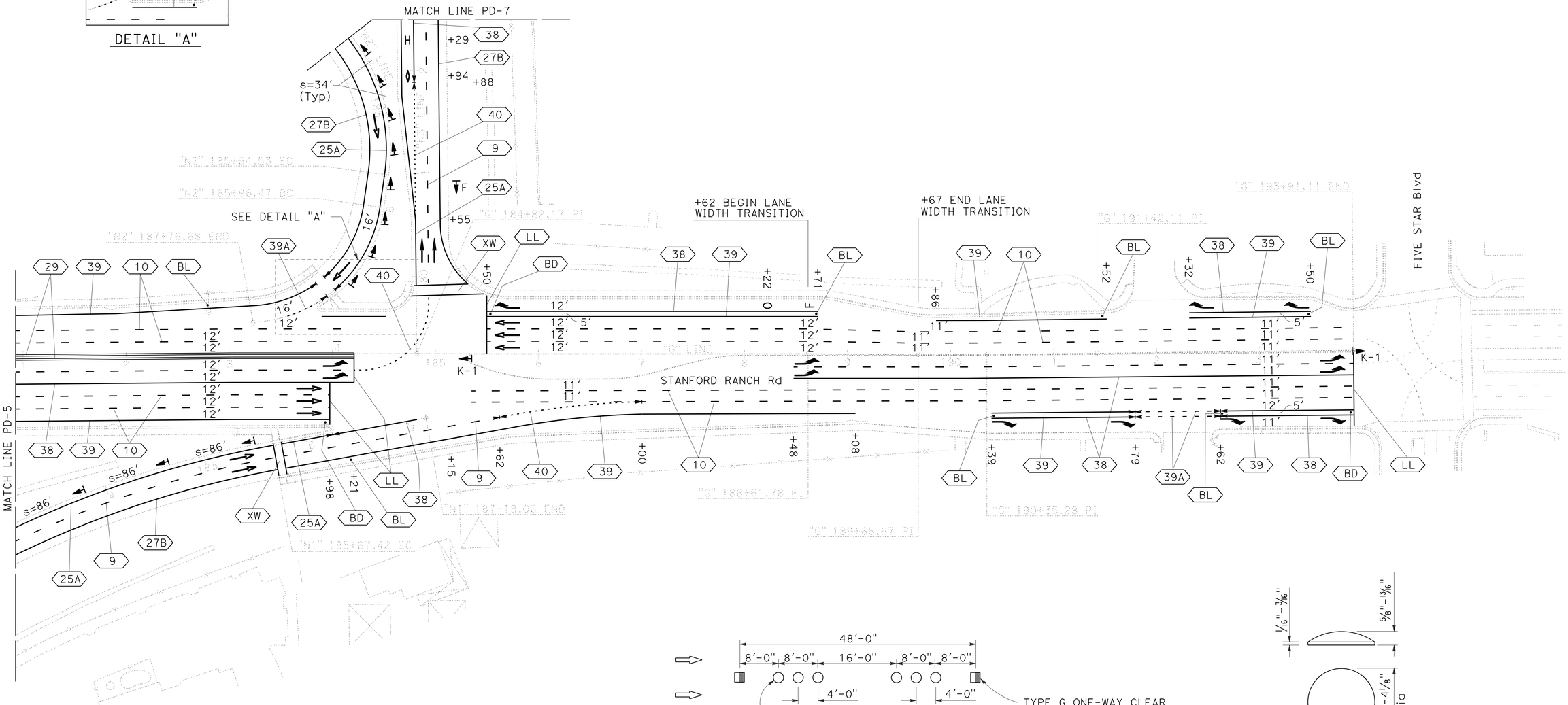
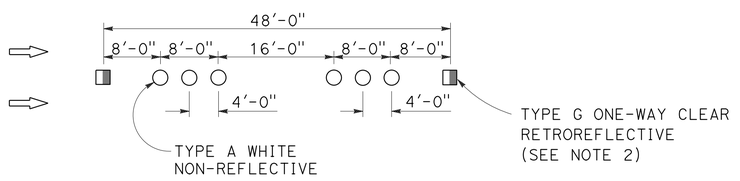
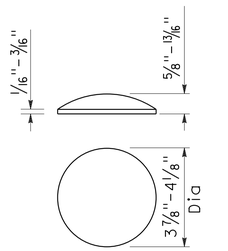




DETAIL 10 STRIPING DETAIL
NO SCALE



TYPE A
WHITE NON-REFLECTIVE PAVEMENT MARKER

NOTES:

1. PROVIDE A 10' GAP IN THE LEFT AND RIGHT RAMP EDGLINES ADJACENT TO THE EXISTING CURB RAMPS.
2. FOR STRIPING DETAIL INFORMATION NOT SHOWN, SEE STANDARD PLANS.

PAVEMENT DELINEATION PLAN

SCALE: 1"=50'

PD-6

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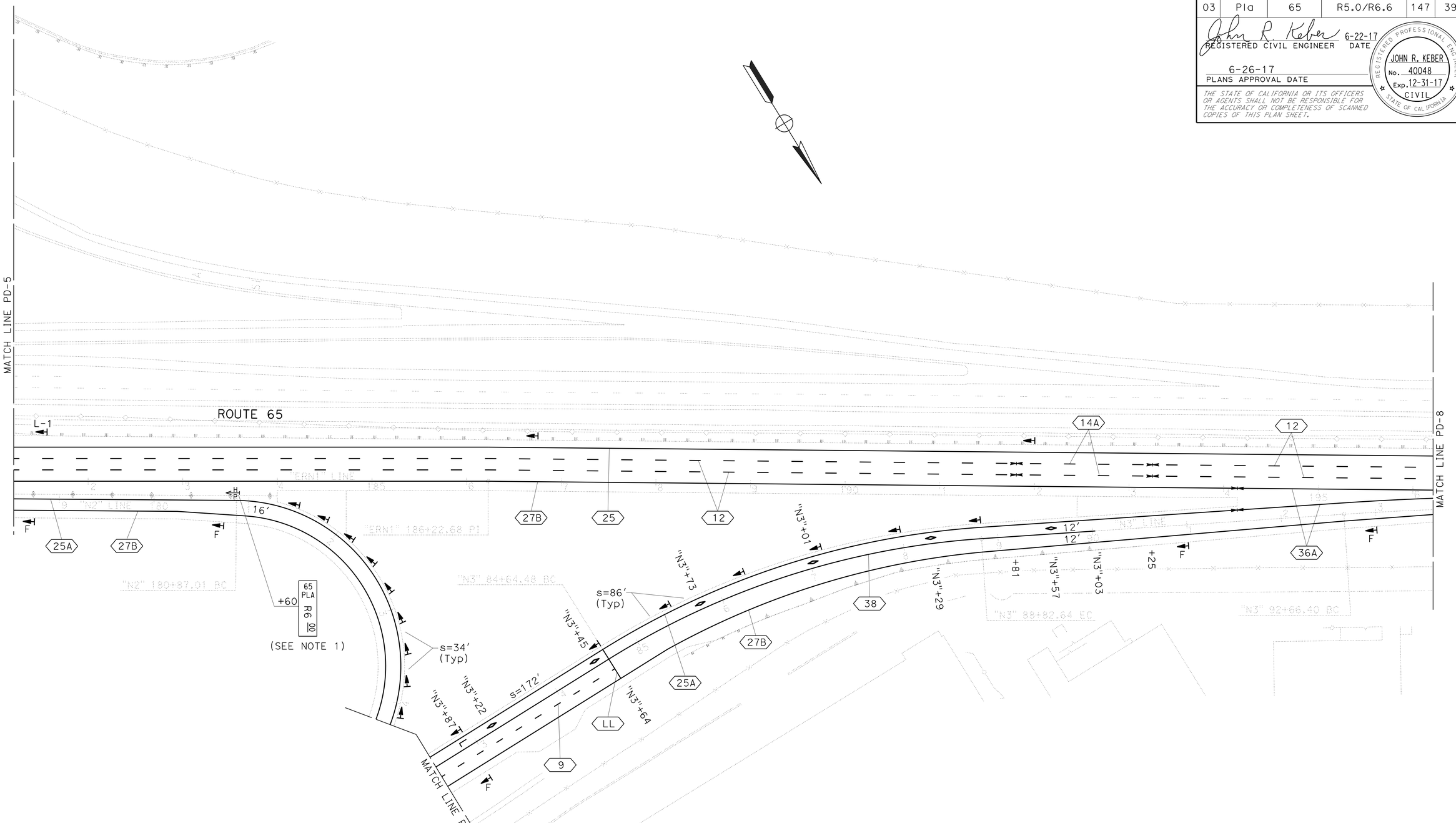

NOTE:

1. THE HIGHWAY POST MARKER TARGET PLATE IS TO BE INSTALLED ON THE FACE OF THE CONCRETE BARRIER TYPE 60C. FOR ADDITIONAL INFORMATION, SEE SHEET PDD-1.

PAVEMENT DELINEATION PLAN

SCALE: 1"=50'

PD-7

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	65	R5.0/R6.6	148	390

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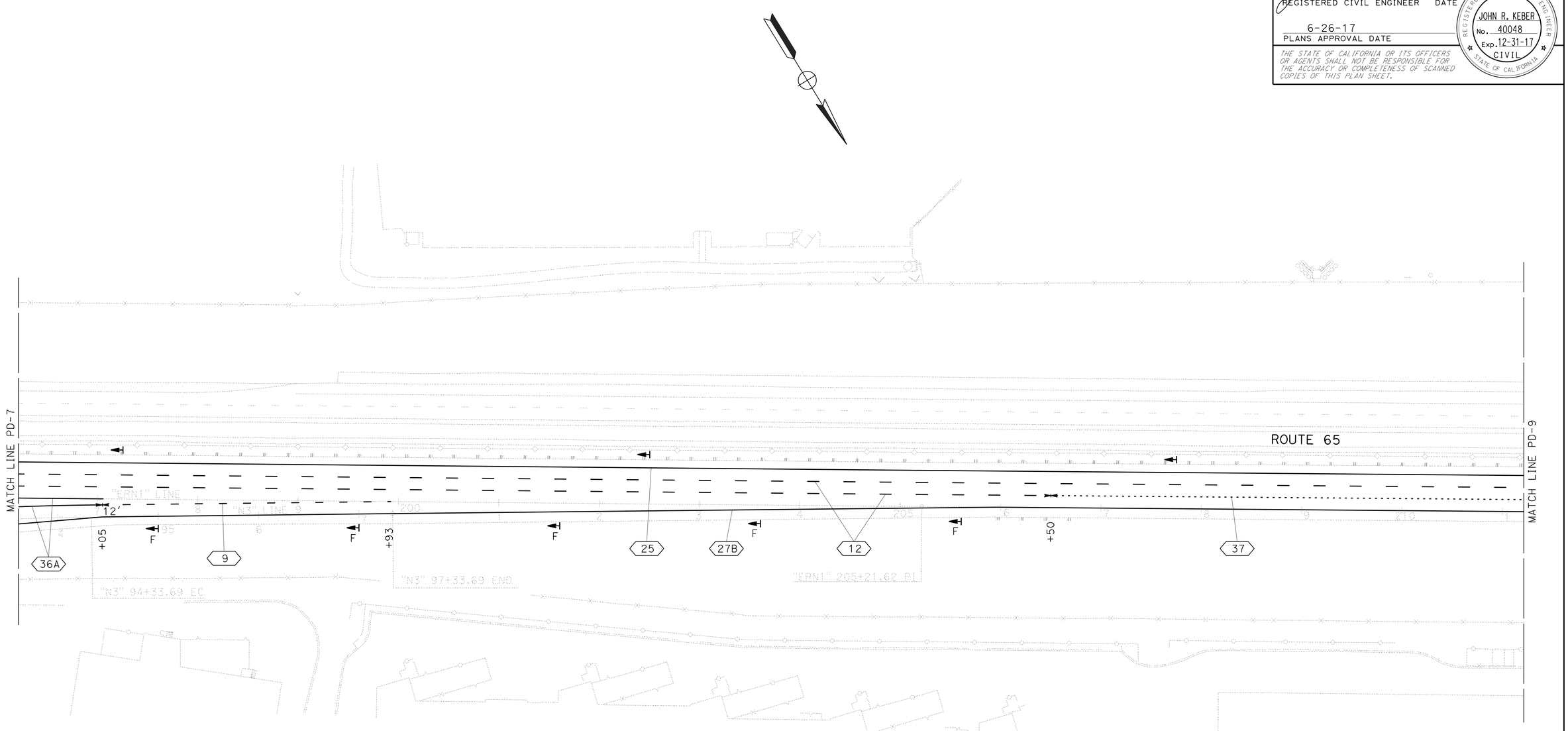

PAVEMENT DELINEATION PLAN

SCALE: 1"=50'

PD-8

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UNIT 0390
PROJECT NUMBER & PHASE 03170002471

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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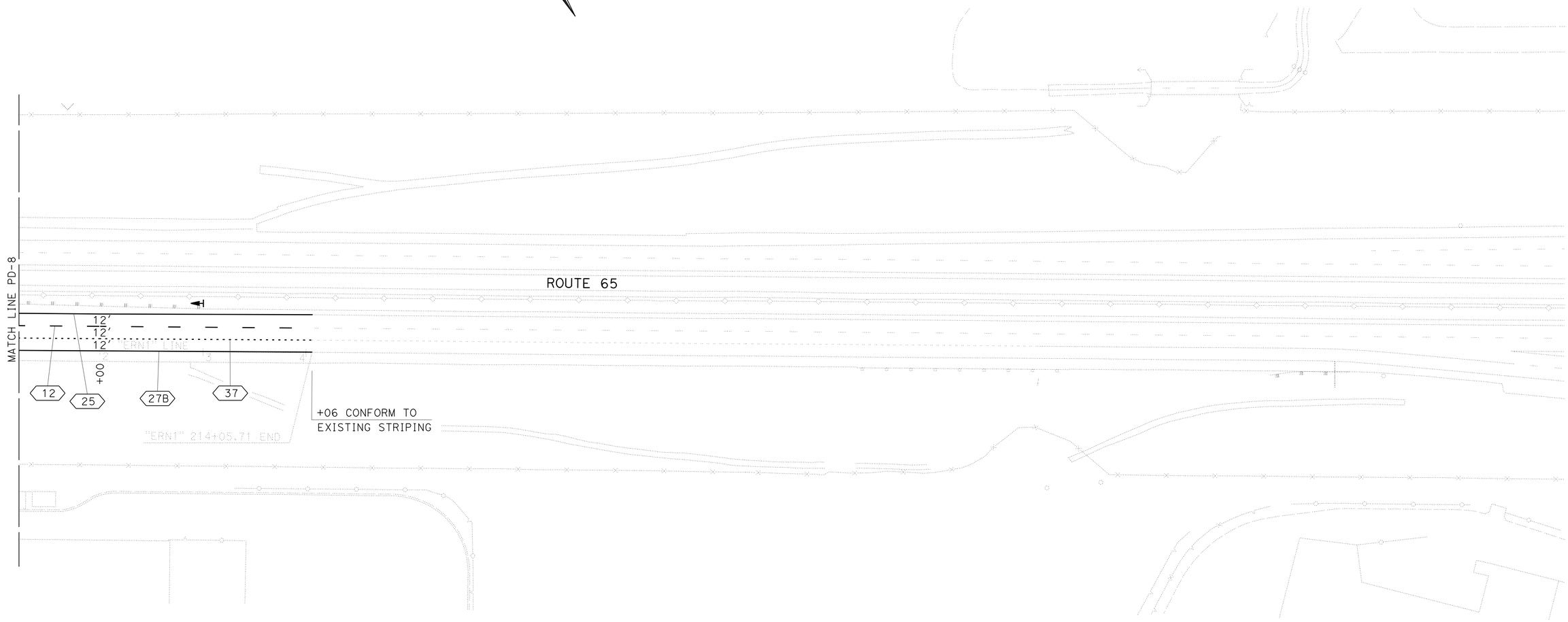

PAVEMENT DELINEATION PLAN

SCALE: 1"=50'

PD-9

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RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0390

PROJECT NUMBER & PHASE 03170002471

Exhibit A

I-80/SR 65 Interchange Improvements Project, Phase 1
Arborist Report

Prepared for:

Placer County Transportation Planning Agency
299 Nevada Street
Auburn, CA 95603
Contact: Luke McNeel-Caird
530/823-4033

Prepared by:

ICF
630 K Street, Suite 400
Sacramento, CA 95814
Contact: Kristin Lantz, PLA, ISA
916/737-3000

May 2017

ICF. 2017. *I-80/SR 65 Interchange Improvements Project, Phase 1. Arborist Report*. May. (ICF 00108.16) Sacramento, CA. Prepared for Placer County Transportation Planning Agency, Auburn, CA.

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Acronyms and Abbreviations

ADA	Americans with Disabilities Act
BMP	best management practice
Caltrans	California Department of Transportation
CDFW	California Department of Fish and Wildlife
DBH	diameter at breast height
DSH	diameter standard height
FHWA	Federal Highway Administration
GPS	global positioning system
HOV	high-occupancy vehicle
I-80/SR 65	Interstate 80/State Route 65
ISA	International Society of Arboriculture
LSA	Lake or Streambed Alteration
NB	northbound
PCTPA	Placer County Transportation Planning Agency
PVC	polyvinyl chloride
SB	southbound
TDBH	trunk diameter at breast height

Introduction

The California Department of Transportation (Caltrans) and the Federal Highway Administration (FHWA), in cooperation with the Placer County Transportation Planning Agency (PCTPA), Placer County, and the Cities of Roseville, Rocklin, and Lincoln propose to construct Phase 1 of the Interstate 80/State Route 65 (I-80/SR 65) interchange improvements in Placer County, California (Caltrans EA 03-0H26U).

The Phase 1 Project is a component of larger planning efforts by Caltrans, in cooperation with the PCTPA, Placer County, and the Cities of Roseville, Rocklin, and Lincoln, to improve the I-80/SR 65 interchange and the Galleria Blvd/Stanford Ranch Rd/SR 65 Northbound (NB) ramps in Placer County to reduce future traffic congestion, improve operations and safety, and comply with current Caltrans and local agency design standards. The Phase 1 Project includes construction of the following.

- The entire Galleria Blvd/Stanford Ranch Rd/SR 65 NB Ramps Improvements Project
- Initial components of the I-80/SR 65 Interchange Improvements Project

The Phase 1 Project proposes to add an auxiliary lane on NB SR 65 between the I-80 westbound on-ramp through the Galleria Blvd/Stanford Ranch Rd interchange to the Pleasant Grove Blvd off-ramp, modify all ramps at the Stanford Ranch Rd/Galleria Blvd Interchange with the exception of the southbound (SB) off-ramp, and reconfigure the lanes along Galleria Blvd/Stanford Ranch Rd. The limits of the project on SR 65 are between postmiles R5.0 and R6.6 (Figure 1).

The primary elements of the Phase 1 Project are listed below.

- **SR 65 Improvements**
    - Widen NB SR 65 from the viaduct (Br. No. 19-152R) to the Pleasant Grove Blvd off-ramp.
    - Modify the NB SR 65 Galleria Blvd/Stanford Ranch Rd off-ramp from a one-lane exit to a two-lane exit.
    - Widen/reconstruct NB SR 65 inside shoulder for staging.
    - Replace roadside asphalt concrete ditches with off-road unlined ditches and bioswales.
- **Galleria Blvd/Stanford Ranch Road Interchange Improvements**
    - Install protected median left-turn pockets at the NB and SB Galleria Blvd/Stanford Ranch Rd SR 65 on-ramp intersections and eliminate the inside trap lane at the NB SR 65 on-ramp intersection.
    - Install right-turn pocket for the westbound approach along Stanford Ranch Rd to the NB SR 65 Galleria Blvd/Stanford Ranch Rd on-ramp.
    - Widen Stanford Ranch Rd slip off-ramp from one to two lanes, and signalize off-ramp traffic at the ramp terminus.
    - Widen NB and SB SR 65 on-ramps from a single lane to a two-metered, general-purpose lanes plus a high-occupancy vehicle (HOV) preferential lane.
    - Widen NB SR 65 loop off-ramp inside shoulder to meet current standards.
    - Modify terminus of the NB SR 65 loop off-ramp.
    - Modify curb ramps to meet Americans with Disabilities Act (ADA) standards.

Purpose of Arborist Report

The Phase 1 Project falls under the jurisdiction of three regulatory agencies: the City of Roseville, City of Rocklin, and California Department of Fish and Wildlife (CDFW). CDFW regulates all trees located within riparian habitat; whereas, the Cities of Roseville and Rocklin regulate only native oak trees.

To assist with compliance with regulatory policies and requirements related to trees, this arborist report documents existing tree resources within the project impact boundary (survey area) for the Phase 1 Project. The project impact boundary includes both temporary and permanent disturbance areas, including staging areas. This report also describes the anticipated tree impacts based on the October 2016 engineering plans prepared for the project.

The report includes the following components, complementary to the narrative discussion.

- Table 1: Tree Rating Guidelines
- Table 2: Tree Survey Data
- Figure 1: Project Site and Vicinity
- Figure 2: Tree Survey Map

Due to their size, Table 2 and Figure 2 are located at the end of the report.

Current Conditions

California native and nonnative tree species are present in the survey area. Native species identified include white alder (*Alnus* rhombifolia), Oregon ash (*Fraxinus* latifolia), Fremont cottonwood (*Populus fremontii*), blue oak (*Quercus* douglasii), valley oak (*Quercus lobata*), interior live oak (*Quercus wislizenii*), black willow (*Salix gooddingii*), red willow (*Salix* laevigata), and arroyo willow (*Salix* lasiolepis). Thirteen nonnative tree species are present. Additional information pertaining to tree resources is provided in subsequent sections of this arborist report.

Survey Methods

An ICF International Society of Arboriculture (ISA) - certified arborist assessed trees on August 11, September 1, and December 1, 2016. The arborist survey methods followed standard professional practices. All tree location data were collected with a global positioning system (GPS) unit. Trees within the defined areas of project disturbance, overhanging the project sites, and greater than 4 inches in diameter standard height (DSH) were surveyed. Each tree was assigned an individual number, and an aluminum tree tag was attached to each tree for identification.

The assessment criteria used and data recorded included the following.

- Identification of the species
- Status of the species
- Location of the tree
- Number of trunks

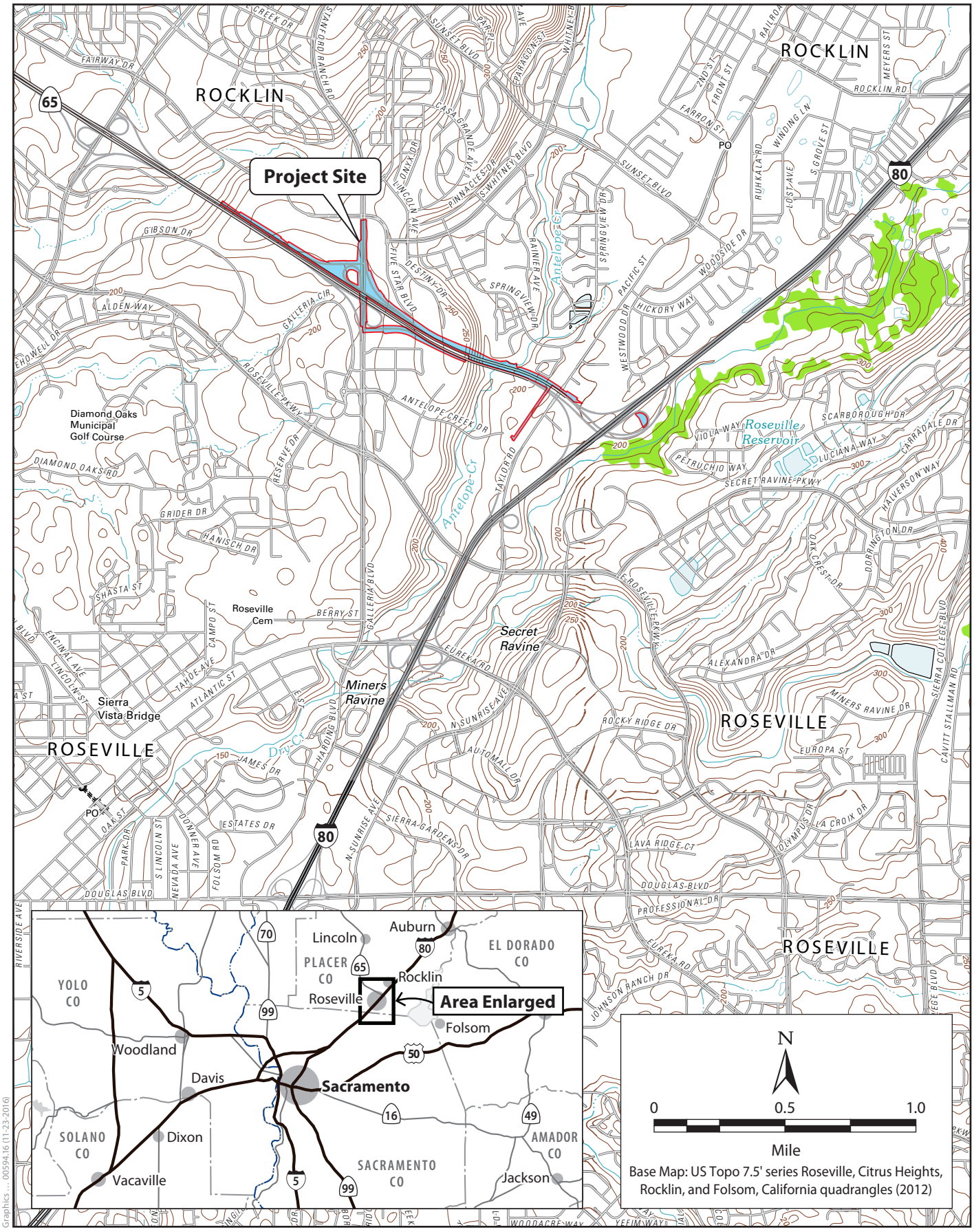

Figure 1
Phase 1 Project Site and Vicinity

- Diameter of trunk at 4.5 feet above the ground surface (DSH)
- Tree height
- Canopy dripline radius
- Health, vigor, and structure
- Impacts

The measurement from the trunk to the end of the longest lateral limb was measured and doubled to determine the diameter of the canopy. For trees with asymmetrical canopies, a notation was made in comments about the tree.

Tree health and structure were rated as *good*, *fair*, or *poor*. Table 1 provides a general definition of these ratings. Where conditions were between ratings of good and fair or fair and poor, intermediate ratings of fair-good and fair-poor were given.

Table 1. Tree Rating Guidelines

Rating	Tree Health and Vigor
Good	Overall appearance of the tree is exemplary of the species. No visible wounds or defects, or completely healed. Crown root area displays no signs of wood deterioration. Bark missing from less than 10% of trunk circumference. Trunk does not show any signs of wood decay, cracking, or deterioration. Foliage is exemplary of the species, no sprout growth observed, evenly distributed, and free of pests. No signs of disease symptoms or pests observed. Current annual twig growth is greater than expected for the species. Buds are normal size, viable, abundant, and uniform throughout canopy. Little to no evidence of stress or nutrient deficiency.
Fair	Overall appearance of the tree is representative of the species. Wounds actively healing, but not completely healed. Crown root area displays minor signs of wood deterioration. Bark missing from more than 10%, but less than 30% of trunk circumference. Trunk does not show any signs of wood decay, cracking, or deterioration. Foliage is representative of the species, some sprout growth observed, foliage is unevenly distributed yet balanced across whole tree, or only a minor pest problem observed. Disease symptoms or pests observed create an intermittent or temporary nuisance. Current annual twig growth is as expected for the species. Buds are of normal size and viable, but are somewhat sparse or irregular throughout the canopy. Some evidence of minor stress or nutrient deficiency observed.
Poor	Overall appearance of the tree deviates from species representative. Wounds not healing vigorously or are showing signs of decay. Crown root area decayed over more than 30% of tree's cross section. Bark missing from more than 30% of trunk circumference. Trunk shows signs of wood decay, cracking, or deterioration. Foliage deviates from species representative, sprout growth observed, foliage is unevenly distributed, or pest infestation observed. Disease symptoms or pests observed threaten the health and wellbeing of host and/or adjacent trees. Current annual twig growth is less than expected for the species. Buds are few, or not viable, or sparse, or irregular throughout the canopy. Evidence of stress or nutrient deficiency observed.

Rating	Tree Structure and Form
Good	Tree structure has a low potential for failure. Ample space for tree to grow to mature size characteristic of the species. No visible root defects or damage from roots to infrastructure observed. No anchor roots exposed. Trunk appears solid and free of cavities, decay, or hollowness. No bark inclusion observed. Canopy is full and balanced. Single leader, branch attachment solid, and angle of branch attachment exemplary. No dead limbs observed, all limbs free of defects, and limbs are not overburdened.
Fair	Tree structure has a moderate potential for failure. Adequate space available for tree to grow to a size representative of the species. Roots abutting infrastructure, displacing built objects from normal alignment. Some anchor root exposure. Trunk displays some signs of minor deterioration, but structurally still solid and in process of healing. Bark inclusion observed only on minor branches and away from posing threats to health, safety, and welfare to the public. Canopy is slightly lacking or unbalanced. Leader not clearly defined, but not missing; branch attachment characteristic of species. One minor dead limb observed, but solidly attached, other limbs free of defects, limbs only slightly overburdened.
Poor	Tree structure has a high potential for failure. Inadequate space available for tree to grow to a size representative of the species. Roots lifting sidewalks or built objects from normal grade, extensive portions of root system cut, decay of root crown in excess of 30%, or root zone subject to overwatering. Anchor roots exposed. Trunk decay is affecting 30% or more of the trunk cross section, healing process slow or not evident, or crack observed. Unequal weight distribution within tree structure due to trunk lean. Bark inclusion at branches, involving main trunk, or posing a threat to health, safety, or welfare of the public. Canopy is lacking or unbalanced, or concentrated in the upper one-third of the tree. Double leader or no leader observed, a branch observed nearly as large as trunk, narrow angles of branch attachment, multiple limb attachments, or attachments of limbs not characteristic of species, or decay observed at branch attachment. More than one dead limb observed, a wound in limb observed greater than 30% of cross section, limbs overburdened, or multiple branches sprouting from cuts.

Regulatory Threshold

The regulations of the City of Roseville, the City of Rocklin, and CDFW relevant to native trees and trees located within riparian habitat are summarized below.

City of Roseville

The City of Roseville Tree Preservation Ordinance (Title 19, Chapter 19.66 of the City of Roseville Municipal Code) regulates trees in the city and defines the criteria for regulation in the following manner.

- *Cutting* means the detaching or separating of any limb, branch, or root from a tree.
- *Deadwood* means any limbs or branches that contain no green leaves or live limbs.
- *Diameter at breast height (DBH)* (also known as *Diameter Standard Height – DSH*) means the diameter of a tree measured at 4.5 feet above ground level on the high side of the tree.

- *Dripline* means the outermost edge of a tree's canopy prior to any cutting. When depicted on a map, the dripline will appear as an irregular-shaped circle that follows the contour of the tree's branches as seen from overhead.
- *Encroachment* means any regulated activity conducted within the protected zone of a protected tree.
- *Grading* means any removal or deposit of soil or earth material.
- *Native oak tree* means any tree of the genus *Quercus* and the species *douglasii* (blue oak), *lobata* (valley oak), *wislizenii* (interior live oak), or hybrids thereof.
- *Protected tree* means a native oak tree equal to or greater than 6 inches [DSH] measured as a total of a single or multiple trunks.
- *Protected zone* means a circle equal to the largest radius of a protected tree's dripline plus 1 foot.
- *Regulated activities* means any activity done within the protected zone of a native oak tree, (with the exception of routine maintenance performed by or under the direct supervision of a certified arborist) that would adversely impact the health of a native oak tree, including but not limited to cutting, grading, irrigating, and trenching.
- No person shall conduct any regulated activities within the protected zone of any protected tree; or harm, destroy, kill or remove any protected tree unless authorized by a tree permit or if the tree is exempt (typically emergency removals) pursuant to Section 19.66.030 of the City of Roseville Municipal Code.
- All work performed around protected trees shall follow standard policies and procedures for approved work pursuant to Section 19.66.060 of the City of Roseville Municipal Code.
- The approving authority may condition any tree permit granted pursuant to Section 19.66.070 of the City of Roseville Municipal Code involving the removal of a protected tree upon the replacement of trees in kind. The replacement requirement shall be calculated based upon an inch-per-inch replacement of the DBH of the removed tree(s) where a 15-gallon tree will replace 1 inch DBH of the removed tree; a 24-inch box tree will replace 2 inches, and a 36-inch box tree will replace 3 inches. A minimum of 50% of the replacement requirement shall be met by native oaks. The remaining can be nonnative tree species.

Removal, relocation, cutting, or pruning of any tree regulated by the City of Roseville requires a permit issued by the City of Roseville. Grading, paving, other ground-disturbing activities, or activities that will change the moisture content within the regulated zone of a regulated tree, also require issuance of a permit.

City of Rocklin

The City of Rocklin Oak Tree Preservation Ordinance (Title 17, Chapter 17.77 of the City of Rocklin Municipal Code) regulates trees in the city and defines the criteria for regulation in the following manner.

- *Guidelines* mean the oak tree preservation guidelines adopted pursuant to Section 17.77.100 of the City of Rocklin Municipal Code.

- *Heritage Tree* means any oak tree with trunk diameter at breast height (TDBH) of 24 inches or more and which is of good or fair quality in terms of health, vigor of growth, and conformity to generally accepted horticultural standards of shape for its species.
- *Native oak* means any tree of the genus *Quercus* and the species *agrifolia* (California live oak), *chrysolepis* (canyon live oak), *douglasii* (blue oak), *kelloggii* (California black oak), *lobata* (valley oak), *wislizenii* (interior live oak), *dumosa* (California scrub oak), or natural hybrids thereof.
- *Oak tree* or *tree* means an oak tree with a TDBH of 6 inches or more and of a species identified in the oak tree preservation guidelines by resolution of the city council as native to the Rocklin area.
- *Removed* with reference to an oak tree, means the physical removal of the tree from the ground or the willful injury, trimming, disfiguring or other harmful action which leads directly to the physical removal or creates such a condition that makes disease likely or results in a significant risk of injury to persons or property.
- *TDBH* means trunk diameter of an oak tree at breast height, which is a point located 4.5 feet above the root crown. TDBH of multitrunk trees shall be the TDBH of the largest trunk only.
- The City of Rocklin issues tree removal permits for developed lots and tree preservation plan permits for undeveloped lots. No healthy oak trees may be removed from developed lots consisting of multifamily, commercial, or industrial.
- Mitigation is required for approved oak tree removal permits and oak tree preservation plan permits. Mitigation on developed lots may be fulfilled in one or a combination of the following ways: replacement on site (preferred method) or payment of a fee into the Rocklin Oak Tree Preservation Fund. Mitigation on undeveloped lots varies based on parcel location but may be fulfilled by tree replacement on site, or—where on-site replacement is not feasible—off-site replacement, land dedication, or payment of a fee into the Rocklin Oak Tree Preservation Fund. Mitigation type and amount will be determined by the director and, under some instances, resolution by the Rocklin City Council.

Removal of any oak tree regulated by the City of Rocklin located wholly or partially requires a permit issued by the city.

California Department of Fish and Wildlife

CDFW regulates riparian habitat, including associated trees, through the Lake or Streambed Alteration (LSA) Agreement process. Riparian trees within CDFW jurisdiction will be mitigated for on an acreage or individual tree basis with the mitigation ratio to be determined.

Survey Results

Tree Species

A total of 358 trees were recorded during the tree survey, 203 of which are regulated by CDFW, the City of Roseville, the City of Rocklin, or a combination of the entities. The location of each tree is shown in Figure 2. A total of 22 species were recorded, nine of which are native. Of the nine native species, three are native oak species: blue oak, valley oak, and interior live oak. Specific information

pertaining to each tree is provided in Table 2 at the end of this report. One area noted on Figure 2 was inaccessible at the times of the survey; trees in this area will need to be documented at a later date.

Tree Condition

Of the regulated trees, health was rated as good or fair for 93%, with the remaining (7%) rated as fair-poor or poor. Vigor was rated as good or fair for 92%, with the remaining (8%) rated as fair-poor or poor. Structure of the trees surveyed was rated as 80% good or fair, and 20% rated as fair-poor or poor.

Trees with a fair to fair-poor health or vigor rating have the potential to improve over time with positive changes to the environment or site conditions. Human involvement using various tree care techniques may also improve the health or vigor of these trees.

Trees with a fair-poor or poor structure rating typically decline further over time, increasing the chances of tree failure. For this reason, trees with a fair-poor or poor rating may need to be removed or considered for removal if they are located in areas with targets or potential targets. Targets are people, vehicles, structures, or any other object potentially subject to damage from a falling limb or tree.

Impact Assessment

Based on the project disturbance boundary developed by project engineers (Figure 2), the project will temporarily or permanently affect 185 trees regulated by CDFW, the City of Roseville, and/or the City of Rocklin.

Based on preliminary impact boundaries, 16 trees may be temporarily affected. The trees temporarily affected will require pruning or special avoidance measures during the construction process of the Phase 1 Project to avoid impacts. Of the temporarily affected trees, a few select individuals are likely to incur impacts that could be considered severe, depending on site conditions encountered and construction activities. If great care is not exercised during construction, these trees are at greatest risk of becoming permanently affected. Methods to avoid this risk are explored later in this report. In Table 2, trees temporarily affected are considered those with a "Yes" in the "Canopy and Assumed Rootzone within Impact Area" column and a "No" in the "Trunk within Impact Area" column. This indicates that the trunk is outside of the project disturbance boundary, but a portion of the canopy and rootzone may fall within the impact area.

Based on preliminary construction plans, 169 trees may be permanently affected. The trees permanently affected will require removal to accommodate construction and infrastructure improvements. The only way to avoid removal of the trees would be to modify the project design or use alternate construction methods, such as pneumatic excavation or horizontal boring instead of trench excavation. In Table 2, permanently affected trees are considered those with a "Yes" in the "Trunk within Impact Area" column.

Mitigation

Preliminary impact boundaries indicate both temporary and permanent impacts on regulated trees. Regulated trees that are affected will require mitigation based on the regulating body. Some trees are regulated by more than one entity, which should be considered when determining mitigation requirements. Please refer to Table 2 to determine the regulation status of each tree.

City of Roseville Tree Mitigation

Temporarily or permanently affected trees will require application for tree removal permits filed with the planning department. According to preliminary impact boundaries 119 trees regulated by the City of Roseville will require mitigation. Of these 119 city-regulated trees, 95 are also regulated by CDFW.

The City of Roseville requires mitigation on an inch-per-inch replacement basis. This means that for each inch DSH of tree removed, the project must replace 1 inch. Please refer to Table 2 to determine the total inches of mitigation required. A newly planted 15-gallon tree will replace 1 inch DSH, a 24-inch box tree will replace 2 inches, and a 36-inch box tree will replace 3 inches. The City of Roseville requires that a minimum of 50% of the replacement trees be native oaks; up to 50% may be nonnative species.

The City of Roseville may determine that mitigation on site may not be feasible or desirable and instead may require payment of a cash contribution based on the cost of purchasing, planting, irrigating, and maintaining the required mitigation trees. The cost of the mitigation trees is set by city council resolution and the cash contribution will be deposited into either the Native Oak Tree Propagation Fund or the Nonnative Tree Fund as determined by the city's planning director.

City of Rocklin Tree Mitigation

Permanently affected trees will require application for tree removal permits filed with the planning department. According to preliminary impact boundaries, 19 trees regulated by the City of Rocklin will require mitigation. Of these 19 city-regulated trees, 18 are also regulated by CDFW.

The City of Rocklin will determine the appropriate mitigation after a tree removal permit has been submitted.

California Department of Fish and Wildlife

All impacts on riparian trees that are regulated by CDFW will be mitigated for through the LSA agreement process. CDFW will determine the mitigation requirement during the LSA agreement process.

Protection

While impacts on regulated trees are often inevitable as a consequence of infrastructure improvements, further impacts on trees not currently indicated as being affected should and can be avoided through conscientious best management practices (BMPs) during construction. Attentive management during construction and innovative construction practices can reduce levels of

temporary impacts and reduce a permanent impact to a temporary impact. All trees not considered permanently affected in the vicinity of the project disturbance boundary should be protected in place throughout construction.

Best Management Practices

Temporarily affected trees could experience severe harm to their long-term health and survivability if BMPs are not closely adhered to during construction. Injured trees or trees adversely affected by construction activities may begin to slowly or imperceptibly decline posing risks to targets. It is critical to document construction activity around these trees and note changes to construction methods and trees during the construction process. Trees subjected to manipulation of roots and limbs during the construction process should be monitored for 5 years after construction completion to manage potential risk and ensure the safety of the public

Tree Protection Zone

The tree protection zone for all trees is the dripline radius plus 1 foot. The project design engineer should include this information on grading, demolition, and layout plans. In some instances, the tree protection fencing must be placed within the regulated tree protection zone to allow for construction trenching and equipment access. For all other instances, the fenced area should define the tree protection zone. The fencing should remain in place throughout the course of the project and cannot be moved without approval in accordance with regulatory permit requirements.

In areas where trees are growing in open space, the contractor should install fencing to the extent of the tree protection zone. In areas where trees are growing near a curb, paved street, or along an existing driveway or paved area, tree-protective fencing should be installed along the pavement edge. Tree-protection fencing must be a minimum 5-foot-tall chain link, or substitute, fence that conforms to the permit requirements of the Cities of Roseville and Rocklin and CDFW. The location of the fencing should be indicated on the project design engineer's grading plans and must be erected before demolition, grading, or any other construction activity begins.

Prohibited Activities

The following activities are prohibited throughout the course of the project within the tree protection zone.

- Storage or parking of vehicles, building materials, refuse, or excavated soil material.
- Use, access, or parking of heavy equipment, such as backhoes, tractors, and other heavy vehicles and equipment.
- Dumping of poisonous chemicals or materials or chemicals or materials with unknown properties that could be deleterious to tree health, such as paint, petroleum products, concrete or stucco mix, or dirty water.
- The use of tree trunks for winch support, anchorage, power poles, sign posts, or any other function.
- Drainage changes, grade changes, and soil disturbance.

General Best Management Practices

The following activities are allowed in the tree protection zone on a temporary basis if it is necessary for the contractor to access the tree protection zone with equipment.

- Mulching with wood chips spread to a 4- to 6-inch depth over the tree protection zone for access by construction workers or light equipment. Wood chips shall be 2-inch untreated, unpainted, nondyed wood material. Wood chips must be removed once equipment passage is completed for project work.
- Trenching, excavation, or boring within the tree protection zone, though it may require preconstruction approval pending conditions of the permits.

An arborist should conduct the required inspections of construction sites containing regulated trees where activities need to occur within the tree protection zone. The inspections will verify all work was done in accordance with this report, local ordinances, and BMPs. With these measures in place and BMPs strictly adhered to, mitigation measures (compensation plantings) will not be required for temporarily affected trees.

Pruning Best Management Practices

Prior to commencing work, some individual trees will need to be pruned to allow clearance for construction vehicles and equipment. If a branch or root greater than 2 inches in diameter is damaged, the branch or root should be cut clean. Pruning must be performed by, or under the direction of, a certified arborist, qualified tree care specialists, or certified tree worker. All cuts must be made clean and to the bark collar of the closest joint on the branch allowing for the clearance. ISA pruning guidelines shall be followed.

Grading Best Management Practices

It is anticipated the project will require grading and result in changes to existing grades. If a change of grade greater than 2 inches over 10% or more of the protected zone occurs, the activity will result in likely death or decline of any affected tree and will be considered a permanent impact. Therefore, grading within the driplines of protected trees is not recommended.

Completely avoiding fill within a protected zone is not always possible. Where fill must occur within a protected zone, a root aeration system can help mitigate the effect of soil fill over the roots of an affected tree. Root aeration systems should be implemented when any fill occurs in the protected zone to avoid death of the root systems.

Root aeration systems include installation of a 3-inch-diameter perforated polyvinyl chloride (PVC) pipe wrapped in engineering fabric at approximately 5 feet on center spacing within the protected zone area of fill. The pipes should be placed on the existing soil surface, extend the full length of the fill, and daylight to the extent of fill on both sides if possible. At the limits of grading, a 90-degree PVC elbow should be placed on the pipe terminus and a PVC drain cover will be placed on the end. In areas of soil fill within protected zones where the final grade is not paved, vertical mulching should be employed. Four-inch-diameter cardboard tubes should be placed at 3 feet on center triangularly spaced. The tube should extend from the surface of the existing grade to the surface of the new fill grade. The tube should be filled with organic mulch, including wood chips, shredded bark, or pine needles.

Pavement Best Management Practices

Pavement and the underlying aggregate should be removed with care. If tree roots are found in the aggregate, the aggregate should be removed by hand. The pavement and aggregate layers should be replaced with soil, but the soil depth should not exceed the original finish grade of the pavement surface. The soil should not be overly compacted but gently tamped by hand or wheel roll to 85% compaction.

Pouring asphalt paving over or near tree roots is not recommended as the heat from the fresh asphalt can burn and damage the roots. Asphalt will also eventually suffocate the roots. Damaged tree roots can slowly decay and eventually could lead to structural instability and failure. If tree roots are found within planned pavement cross sections, the project design engineer is encouraged to consider the use of permeable concrete pavers units in lieu of asphalt to eliminate the possibility of burning and suffocating roots.

Trenching Best Management Practices

To avoid causing permanent impacts on tree resources, the contractor should consider excavating trenches near tree protection zones by hand digging or using pneumatic air excavation technology. If either method is used, tree roots are exposed, and if the trench is in direct sunlight, the exposed roots should be wrapped and covered with damp burlap. Roots should be kept moist and sheltered from ultraviolet light. Trenches should not be excavated when temperatures are in excess of 90 degrees Fahrenheit. Trenching should be avoided for new curb installation within driplines of trees; instead, alternate curb design should be installed that does not require trenching or minimize trenching.

The contractor should also consider passing any new pipe or utility lines under or around tree roots. Permanent impacts can be avoided if roots 2 inches in diameter or larger are not cut or disturbed at any time. If roots smaller than 2 inches in diameter are injured or cannot be avoided by new utility pipe, the root should be cut clean at the next joint and cut repaired. Once the trench has been excavated, the pipe should be installed immediately, backfilled with soil, and soaked with uncontaminated water within the same workday.

Table 2. Tree Survey Data

Tree Tag Number	CDFW Regulated?	City of Roseville Regulated?	City of Rocklin Regulated?	Native?	Species Common Name	Species Scientific Name	Cumulative DBH (inches)	Diameter at Breast Height of Individual Trunks (inches)					Drip Diameter (feet)	Height (feet)	Health	Vigor	Structure	Trunk within Impact Area?	Canopy and Assumed Rootzone within Impact Area?	Comments
								1	2	3	4	Additional								
1	Yes	Yes	Yes	Yes	Valley oak	*Quercus lobata*	16	16					50	35	Fair	Fair	Fair	No	Yes	One-sided; leaning over trail
2	Yes	Yes	Yes	Yes	Valley oak	*Quercus lobata*	24.5	24.5					40	45	Fair	Fair	Fair	No	Yes	One-sided; leaning over trail
3	Yes	No	No	Yes	Valley oak	*Quercus lobata*	5.5	3.5	2				20	17	Fair	Fair	Fair	No	No	
4	Yes	No	No	Yes	Valley oak	*Quercus lobata*	3.5	3.5					16	16	Fair	Good	Fair	No	No	
5	No	No	No	Yes	Valley oak	*Quercus lobata*	4.5	4.5					20	20	Fair	Good	Fair	Yes	Yes	
6	No	No	No	Yes	Valley oak	*Quercus lobata*	4.5	4.5					16	20	Fair	Fair	Fair	Yes	Yes	
7	No	No	No	Yes	Valley oak	*Quercus lobata*	5.5	3	2.5				20	15	Fair	Fair	Fair-Poor	Yes	Yes	Codominant trunks; included bark
8	No	Yes	No	Yes	Valley oak	*Quercus lobata*	10	5.5	4.5				20	25	Fair	Fair	Fair	Yes	Yes	
9	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	8	4	4				32	15	Fair	Good	Fair-Poor	Yes	Yes	Codominant trunks
10	Yes	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	8	8					24	20	Fair	Fair	Fair	No	No	
11	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	6	2	2	2			16	15	Fair	Fair	Poor	No	Yes	
12	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4	4					12	17	Fair	Fair	Fair	No	No	
13	Yes	No	No	Yes	Interior live oak	*Quercus wislizenii*	5	4	1				40	10	Fair	Fair	Poor	No	Yes	One-sided
14	Yes	Yes	Yes	Yes	Valley oak	*Quercus lobata*	29	7	6	5	5	3,2,1	40	25	Fair	Fair	Fair-Poor	No	Yes	Codominant trunks
15	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4.5	4.5					24	15	Fair	Fair	Fair	Yes	Yes	One-sided; leaning toward trail
16	Yes	Yes	Yes	Yes	Valley oak	*Quercus lobata*	7	7					40	25	Fair	Fair	Fair	Yes	Yes	
17	Yes	Yes	Yes	Yes	Valley oak	*Quercus lobata*	8	8					30	35	Fair	Fair	Fair	Yes	Yes	
18	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	11.5	6	5.5				20	30	Fair	Fair	Fair-Poor	Yes	Yes	Codominant trunks
19	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	6	6					20	30	Fair	Fair	Fair	Yes	Yes	
20	Yes	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	7	7					50	20	Fair	Fair	Fair-Poor	Yes	Yes	One-sided; leaning over creek
21	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	9	9					30	35	Fair	Fair	Fair	Yes	Yes	
22	Yes	No	No	Yes	Valley oak	*Quercus lobata*	5	5					16	16	Fair	Fair	Fair	Yes	Yes	One-sided
23	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	8	8					20	35	Fair	Fair	Fair	Yes	Yes	
24	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4	4					12	25	Fair	Fair	Fair	Yes	Yes	
25	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4	4					16	25	Fair	Fair	Fair	Yes	Yes	
26	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	13.5	7	6.5				40	30	Fair	Fair	Fair	Yes	Yes	Codominant trunks
27	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	6	6					20	25	Fair	Fair	Fair-Poor	Yes	Yes	

Tree Tag Number	CDFW Regulated?	City of Roseville Regulated?	City of Rocklin Regulated?	Native?	Species Common Name	Species Scientific Name	Cumulative DBH (inches)	Diameter at Breast Height of Individual Trunks (inches)					Drip Diameter (feet)	Height (feet)	Health	Vigor	Structure	Trunk within Impact Area?	Canopy and Assumed Rootzone within Impact Area?	Comments
								1	2	3	4	Additional								
28	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	8	8					30	25	Fair	Fair	Fair	Yes	Yes	
29	Yes	Yes	No	Yes	White alder	*Alnus rhombifolia*	14	14					40	40	Fair	Fair	Good	Yes	Yes	Not tagged
30	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	12	12					50	40	Fair	Fair	Fair	Yes	Yes	
31	Yes	Yes	No	Yes	Oregon ash	*Fraxinus latifolia*	10	5	4	1			30	25	Fair	Fair	Fair-Poor	Yes	Yes	Codominant trunks
32	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4	2	1	1			10	12	Fair-Poor	Good	Fair	Yes	Yes	Codominant trunks
33	Yes	No	No	Yes	Valley oak	*Quercus lobata*	5	5					16	15	Fair	Fair	Fair	Yes	Yes	
34	Yes	Yes	No	Yes	Fremont cottonwood	*Populus fremontii*	29	12	12	3	2		40	45	Fair	Fair	Fair-Poor	Yes	Yes	Codominant trunks
35	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	13.5	13.5					30	45	Fair	Fair	Fair	Yes	Yes	
36	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	7	5	2				14	15	Fair	Fair	Fair	Yes	Yes	
37	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	8	8					30	30	Fair	Fair	Fair	Yes	Yes	
38	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	10	10					30	30	Fair	Fair	Fair	Yes	Yes	
39	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	8	8					30	35	Fair	Fair	Fair	Yes	Yes	
40	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4	2	2				12	20	Fair	Fair	Fair-Poor	Yes	Yes	Not tagged; codominant trunks
41	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	6	6					30	30	Fair	Fair	Fair	Yes	Yes	Not tagged
42	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	8	8					30	30	Fair	Fair	Fair	Yes	Yes	
43	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	6	6					20	20	Fair	Fair	Fair	Yes	Yes	
44	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	8	8					40	25	Fair	Fair	Fair	Yes	Yes	
45	Yes	Yes	No	Yes	Fremont cottonwood	*Populus fremontii*	16	16					50	50	Fair	Fair	Fair	No	Yes	
46	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4	4					16	14	Fair-Poor	Fair	Fair	No	Yes	Mildew present
47	Yes	No	No	No	Callery pear	*Pyrus calleryanai*	6	5	1				30	25	Fair	Fair	Fair	Yes	Yes	
48	Yes	No	No	No	Chinese pistache	*Pistacia chinensis*	7	5	2				30	15	Fair	Fair	Fair	Yes	Yes	
49	Yes	No	No	No	Olive	*Olea europaea*	15	3	3	3	2	1,1,1,1	20	15	Fair	Fair	Poor	Yes	Yes	
50	Yes	No	No	No	Callery pear	*Pyrus calleryanai*	9	5	4				40	20	Fair	Fair	Fair	Yes	Yes	
51	No	No	No	No	Callery pear	*Pyrus calleryanai*	11	3	2	1	1	1,1,1,1	24	15	Fair	Fair	Fair	Yes	Yes	Not tagged
52	Yes	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	15	8	4	3			30	25	Fair	Fair	Fair	Yes	Yes	Not tagged
53	Yes	No	No	No	Other		4	4					16	25	Fair	Fair	Fair	Yes	Yes	Not tagged
54	Yes	No	No	No	Apple	*Malus pumila*	10	5	2	1	1	1	30	20	Fair	Fair	Fair	Yes	Yes	Not tagged
55	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	8.5	8.5					60	30	Fair	Fair	Fair	Yes	Yes	

Tree Tag Number	CDFW Regulated?	City of Roseville Regulated?	City of Rocklin Regulated?	Native?	Species Common Name	Species Scientific Name	Cumulative DBH (inches)	Diameter at Breast Height of Individual Trunks (inches)					Drip Diameter (feet)	Height (feet)	Health	Vigor	Structure	Trunk within Impact Area?	Canopy and Assumed Rootzone within Impact Area?	Comments
								1	2	3	4	Additional								
56	Yes	No	No	No	Pecan	*Carya illinoinensis*	6	6					30	40	Fair	Fair	Fair	Yes	Yes	
57	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	7	7					30	35	Fair	Fair	Fair	Yes	Yes	
58	Yes	No	No	Yes	Valley oak	*Quercus lobata*	5	4	1				30	20	Fair	Fair	Fair	Yes	Yes	
59	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	10.5	10.5					40	40	Fair	Fair	Fair	Yes	Yes	
60	Yes	No	No	Yes	Valley oak	*Quercus lobata*	5	5					20	20	Fair	Fair	Fair	Yes	Yes	
61	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	7	7					20	35	Fair	Fair	Fair	Yes	Yes	
62	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4	4					20	20	Fair	Fair	Fair	Yes	Yes	
63	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	7	7					30	35	Fair	Fair	Fair	Yes	Yes	
64	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4	4					12	20	Fair	Fair	Fair	Yes	Yes	
65	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4.5	4.5					20	25	Fair	Fair	Fair	Yes	Yes	
66	Yes	No	No	Yes	Valley oak	*Quercus lobata*	5	5					16	25	Fair	Fair	Fair	Yes	Yes	
67	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	13	6	6	1			30	25	Fair	Fair	Fair-Poor	Yes	Yes	Codominant trunks
68	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	7	4	3				20	25	Fair	Fair	Fair	Yes	Yes	
69	Yes	No	No	No	Chinese tallow	*Triadica sebifera*	12	10	2				30	25	Fair	Fair	Fair	Yes	Yes	
70	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	10	10					30	30	Fair	Fair	Fair	Yes	Yes	
71	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	6	6					16	20	Fair	Fair	Fair	Yes	Yes	
72	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	7	7					30	30	Fair	Fair	Fair	Yes	Yes	
73	Yes	No	No	Yes	Valley oak	*Quercus lobata*	5	5					14	20	Fair	Fair	Fair	Yes	Yes	
74	Yes	No	No	Yes	Valley oak	*Quercus lobata*	5	5					24	18	Fair	Fair	Fair	Yes	Yes	
75	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4	4					20	20	Fair	Fair	Fair	No	Yes	
76	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	7	7					30	25	Fair	Fair	Fair	No	Yes	
77	Yes	No	No	Yes	Valley oak	*Quercus lobata*	5	5					24	25	Fair	Fair	Fair	No	No	
78	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4	4					14	18	Fair	Fair	Fair	No	No	
79	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	6	6					20	20	Fair	Fair	Fair	No	No	
80	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	7	7					30	25	Fair	Fair	Fair	Yes	Yes	
81	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4	4					12	18	Fair	Fair	Fair	Yes	Yes	
82	Yes	No	No	Yes	Valley oak	*Quercus lobata*	5	4	1				12	20	Fair	Fair	Fair	Yes	Yes	
83	Yes	No	No	Yes	Valley oak	*Quercus lobata*	5	5					24	20	Fair	Fair	Fair	Yes	Yes	

Tree Tag Number	CDFW Regulated?	City of Roseville Regulated?	City of Rocklin Regulated?	Native?	Species Common Name	Species Scientific Name	Cumulative DBH (inches)	Diameter at Breast Height of Individual Trunks (inches)					Drip Diameter (feet)	Height (feet)	Health	Vigor	Structure	Trunk within Impact Area?	Canopy and Assumed Rootzone within Impact Area?	Comments
								1	2	3	4	Additional								
84	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4	4					14	20	Fair	Fair	Fair	Yes	Yes	
85	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	7.5	7.5					36	25	Fair	Fair	Fair	Yes	Yes	
86	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	7	7					30	25	Fair	Fair	Fair	Yes	Yes	
87	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	8	8					24	30	Fair	Fair	Fair	Yes	Yes	
88	Yes	No	No	Yes	Valley oak	*Quercus lobata*	5	5					20	20	Fair	Fair	Fair	Yes	Yes	
89	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	7	7					30	25	Fair	Fair	Fair	No	Yes	
90	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4.5	4.5					20	18	Fair	Fair	Fair	No	Yes	
91	Yes	No	No	Yes	Valley oak	*Quercus lobata*	5	5					12	17	Fair	Fair	Fair	Yes	Yes	
92	Yes	No	No	Yes	Valley oak	*Quercus lobata*	5	5					16	20	Fair	Fair	Fair	Yes	Yes	
93	Yes	Yes	No	Yes	Oregon ash	*Fraxinus latifolia*	8	6	2				24	25	Fair	Fair	Fair	Yes	Yes	
94	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4	2	2				12	17	Fair	Fair	Fair	Yes	Yes	Not tagged
95	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	17	5	4	4	2	2	30	25	Fair	Fair	Fair	Yes	Yes	Not tagged
96	Yes	No	No	Yes	Valley oak	*Quercus lobata*	5	5					20	25	Fair	Fair	Fair	Yes	Yes	Not tagged
97	Yes	No	No	Yes	Valley oak	*Quercus lobata*	5	5					20	25	Fair	Fair	Fair	Yes	Yes	
98	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4	4					20	18	Fair	Fair	Fair	Yes	Yes	Not tagged
99	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4.5	4.5					12	25	Fair	Fair	Fair	Yes	Yes	
100	Yes	No	No	Yes	Valley oak	*Quercus lobata*	5	5					18	20	Fair	Fair	Fair	Yes	Yes	
101	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4	4					20	12	Fair	Fair	Fair	Yes	Yes	
102	Yes	No	No	Yes	Valley oak	*Quercus lobata*	5	5					24	25	Fair	Fair	Fair	Yes	Yes	Beaver damage
103	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	7.5	7.5					20	25	Fair	Fair	Fair	Yes	Yes	
104	Yes	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	11	11					40	30	Fair	Fair	Fair	Yes	Yes	
105	Yes	No	No	Yes	Valley oak	*Quercus lobata*	5	5					14	25	Fair	Fair	Fair	Yes	Yes	
106	Yes	No	No	Yes	Valley oak	*Quercus lobata*	5	5					16	25	Fair	Fair	Fair	Yes	Yes	
107	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	11	6	3	2			30	20	Fair	Fair	Fair	Yes	Yes	
108	Yes	Yes	Yes	Yes	Valley oak	*Quercus lobata*	32	32					70	50	Fair	Fair-Poor	Fair	No	Yes	Canopy overhanging creek
109	Yes	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	8	8					30	35	Fair	Fair	Fair	No	Yes	
110	Yes	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	6	3	2	1			16	15	Fair	Fair	Fair	Yes	Yes	
111	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4	4					20	15	Fair	Fair	Fair-Poor	Yes	Yes	Leaning

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								1	2	3	4	Additional								
112	Yes	No	No	Yes	Valley oak	*Quercus lobata*	5	5					20	25	Fair	Fair	Fair	Yes	Yes	
113	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	7	3.5	3.5				30	20	Fair	Fair	Fair	Yes	Yes	
114	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	6	6					30	25	Fair	Fair	Fair	Yes	Yes	
115	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	6.5	6.5					30	25	Fair	Fair	Fair	Yes	Yes	
116	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	8	8					34	25	Fair	Fair	Fair	Yes	Yes	
117	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4	4					12	20	Fair	Fair	Fair	Yes	Yes	
118	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	7	7					30	25	Fair	Fair	Fair	Yes	Yes	
119	Yes	No	No	Yes	Valley oak	*Quercus lobata*	5	5					16	20	Fair	Fair	Fair	Yes	Yes	
120	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4	4					14	15	Fair	Fair	Fair	Yes	Yes	Not tagged
121	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	6	4	2				16	20	Fair	Fair	Fair	Yes	Yes	
122	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4	4					14	20	Fair	Good	Fair	Yes	Yes	
123	Yes	No	No	Yes	Valley oak	*Quercus lobata*	5	5					20	26	Fair	Fair	Fair	Yes	Yes	
124	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	13.5	13.5					40	26	Fair	Fair	Fair	Yes	Yes	
125	Yes	No	No	No	Elm	*Ulmus sp.*	13	13					50	30	Fair	Fair	Fair	Yes	Yes	
126	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	7	7					16	25	Fair	Fair	Fair	Yes	Yes	
127	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4	4					12	20	Fair	Fair	Fair	Yes	Yes	
128	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	7	7					30	20	Fair	Fair	Fair	Yes	Yes	
129	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	6	6					16	22	Fair	Fair	Fair	Yes	Yes	
130	Yes	Yes	No	Yes	Arroyo willow	*Salix lasiolepis*	7	7					24	20	Fair	Fair	Fair	Yes	Yes	
131	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	24.5	8.5	8	4	4		40	25	Fair	Fair	Fair	Yes	Yes	
132	Yes	No	No	Yes	Arroyo willow	*Salix lasiolepis*	4	4					16	18	Fair	Fair	Fair	Yes	Yes	
133	Yes	No	No	Yes	Arroyo willow	*Salix lasiolepis*	4	4					16	16	Fair	Fair	Fair	Yes	Yes	
134	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	9	9					36	35	Fair	Fair	Fair	Yes	Yes	
135	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	9	9					30	35	Fair	Fair	Fair	Yes	Yes	
136	Yes	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	13	6	4	2	1		30	17	Fair	Fair	Fair	Yes	Yes	
137	Yes	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	13	5	4	1	1	1,1	20	15	Fair	Fair	Fair	Yes	Yes	
138	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4	4					12	16	Fair	Fair	Fair	Yes	Yes	
139	Yes	Yes	Yes	Yes	Interior live oak	*Quercus wislizenii*	12	6	6				30	15	Fair	Fair	Fair	Yes	Yes	

Tree Tag Number	CDFW Regulated?	City of Roseville Regulated?	City of Rocklin Regulated?	Native?	Species Common Name	Species Scientific Name	Cumulative DBH (inches)	Diameter at Breast Height of Individual Trunks (inches)					Drip Diameter (feet)	Height (feet)	Health	Vigor	Structure	Trunk within Impact Area?	Canopy and Assumed Rootzone within Impact Area?	Comments
								1	2	3	4	Additional								
140	Yes	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	7	5	2				24	15	Fair	Fair	Fair-Poor	Yes	Yes	Leaning
141	Yes	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	6	6					20	15	Fair	Fair	Fair-Poor	Yes	Yes	Leaning
142	Yes	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	9	4	4	1			16	12	Fair	Fair	Fair	Yes	Yes	
143	Yes	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	6	6					16	10	Fair	Fair	Fair	Yes	Yes	
144	Yes	No	No	Yes	Interior live oak	*Quercus wislizenii*	5	4	1				16	10	Fair	Fair	Fair	Yes	Yes	
145	Yes	No	No	Yes	Interior live oak	*Quercus wislizenii*	4	4					16	10	Fair	Fair	Fair	Yes	Yes	
146	Yes	Yes	Yes	Yes	Blue oak	*Quercus douglasii*	28	28					50	15	Fair-Poor	Fair-Poor	Fair	Yes	Yes	
147	Yes	Yes	Yes	Yes	Blue oak	*Quercus douglasii*	15	15					50	20	Fair-Poor	Fair-Poor	Fair-Poor	Yes	Yes	Leaning
148	Yes	Yes	Yes	Yes	Blue oak	*Quercus douglasii*	24	24					60	50	Fair-Poor	Fair-Poor	Fair-Poor	Yes	Yes	
149	Yes	Yes	Yes	Yes	Blue oak	*Quercus douglasii*	20	20					60	50	Fair-Poor	Fair-Poor	Fair-Poor	Yes	Yes	Leaning
150	Yes	Yes	Yes	Yes	Blue oak	*Quercus douglasii*	18	18					60	45	Fair-Poor	Fair-Poor	Fair-Poor	Yes	Yes	Leaning
151	Yes	Yes	Yes	Yes	Blue oak	*Quercus douglasii*	31	31					60	50	Fair-Poor	Fair-Poor	Fair	Yes	Yes	Leaning
152	Yes	No	Yes	Yes	Interior live oak	*Quercus wislizenii*	16	10	6				12	10	Fair	Fair	Fair	No	Yes	Leaning
153	Yes	No	Yes	Yes	Blue oak	*Quercus douglasii*	14	14					60	30	Fair-Poor	Fair-Poor	Fair-Poor	No	Yes	Not tagged; leaning over project area
154	Yes	No	No	Yes	Interior live oak	*Quercus wislizenii*	4	4					16	17	Fair	Fair	Fair	Yes	Yes	
155	Yes	No	No	No	Chinese hackberry	*Celtis sinensis*	4	4					16	15	Poor	Poor	Poor	Yes	Yes	
156	Yes	No	No	No	Chinese pistache	*Pistacia chinensis*	7	3	2	1	1		24	15	Fair	Fair-Poor	Fair-Poor	Yes	Yes	
157	Yes	Yes	No	Yes	Arroyo willow	*Salix lasiolepis*	12	12					40	20	Fair	Fair	Poor	Yes	Yes	Leaning
158	Yes	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	6	4	2				16	15	Fair	Fair	Fair	Yes	Yes	
159	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4	4					12	20	Fair	Fair	Fair	Yes	Yes	
160	Yes	No	No	Yes	Interior live oak	*Quercus wislizenii*	5	5					20	20	Fair	Fair	Fair	Yes	Yes	
161	Yes	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	15	5	5	5			20	20	Fair	Fair	Fair	Yes	Yes	
162	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	18	10	8				36	40	Fair	Fair	Fair-Poor	Yes	Yes	Codominant trunks
163	Yes	No	Yes	Yes	Blue oak	*Quercus douglasii*	30	30					50	50	Poor	Poor	Poor	Yes	Yes	
164	Yes	No	Yes	Yes	Blue oak	*Quercus douglasii*	27	27					40	45	Fair-Poor	Fair-Poor	Fair	Yes	Yes	
165	Yes	No	Yes	Yes	Blue oak	*Quercus douglasii*	29	29					40	50	Fair	Fair-Poor	Fair	Yes	Yes	
166	Yes	No	No	No	Olive	*Olea europaea*	5	4	1				16	12	Good	Fair	Fair-Poor	Yes	Yes	
167	Yes	No	No	Yes	Interior live oak	*Quercus wislizenii*	3	1	1	1			14	10	Fair	Fair	Fair-Poor	Yes	Yes	Not tagged

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								1	2	3	4	Additional								
168	Yes	Yes	No	Yes	Arroyo willow	*Salix lasiolepis*	8	8					30	20	Poor	Poor	Poor	Yes	Yes	Not tagged
169	Yes	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	11	5	5	1			20	17	Good	Fair	Fair-Poor	Yes	Yes	
170	Yes	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	8	8					20	20	Fair	Fair	Fair	Yes	Yes	
171	Yes	Yes	No	Yes	Arroyo willow	*Salix lasiolepis*	26	14	12				40	15	Fair-Poor	Fair-Poor	Poor	Yes	Yes	Not tagged; leaning on ground
172	Yes	No	No	Yes	Blue oak	*Quercus douglasii*	4	2	2				16	10	Fair	Fair	Fair	Yes	Yes	
173	Yes	No	No	Yes	Blue oak	*Quercus douglasii*	5	5					20	12	Fair	Fair	Fair	Yes	Yes	
174	Yes	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	18	7	6	5			40	25	Fair	Fair	Fair-Poor	Yes	Yes	Codominant trunks
175	Yes	No	No	No	Chinese pistache	*Pistacia chinensis*	5	3	2				20	20	Fair	Fair	Fair-Poor	Yes	Yes	Codominant trunks
176	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4	4					10	25	Fair	Fair	Fair	Yes	Yes	
177	Yes	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	23	8	8	4	3		40	25	Fair	Fair	Fair-Poor	Yes	Yes	Codominant trunks
178	Yes	No	No	Yes	Valley oak	*Quercus lobata*	4	4					12	25	Fair	Fair	Fair	Yes	Yes	
179	Yes	No	No	Yes	Interior live oak	*Quercus wislizenii*	5	5					20	16	Fair	Fair	Poor	Yes	Yes	
180	Yes	No	No	Yes	Interior live oak	*Quercus wislizenii*	4	4					20	15	Fair	Fair	Poor	Yes	Yes	Not tagged
181	Yes	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	9	8	1				30	25	Fair	Fair	Fair	Yes	Yes	
182	Yes	Yes	No	Yes	Valley oak	*Quercus lobata*	14	14					40	25	Fair	Fair	Fair	Yes	Yes	
183	Yes	No	No	No	Chinese hackberry	*Celtis sinensis*	5	5					30	25	Fair	Fair	Fair	No	Yes	
184	No	Yes	No	Yes	Blue oak	*Quercus douglasii*	37	37					60	45	Fair	Fair	Fair	No	No	
185	No	No	No	Yes	Blue oak	*Quercus douglasii*	40	40					50	45	Fair	Fair	Fair	Yes	Yes	
186	No	No	No	No	Chinese pistache	*Pistacia chinensis*	5	5					24	12	Fair	Fair	Fair	Yes	Yes	
187	No	No	No	No	Callery pear	*Pyrus calleryanai*	5	5					24	15	Fair	Fair	Fair	Yes	Yes	
188	No	No	No	No	Callery pear	*Pyrus calleryanai*	5	5					20	17	Fair	Fair	Fair	Yes	Yes	
189	No	No	No	No	Olive	*Olea europaea*	12	5	3	2	1	1	16	15	Fair	Fair	Fair	Yes	Yes	
190	No	Yes	No	Yes	Blue oak	*Quercus douglasii*	7	7					24	17	Fair	Fair	Fair	Yes	Yes	
191	No	Yes	No	Yes	Blue oak	*Quercus douglasii*	10	5	5				20	10	Fair	Fair	Fair	Yes	Yes	
192	No	Yes	No	Yes	Blue oak	*Quercus douglasii*	15	4	4	3	2	2	14	9	Fair	Fair	Fair	Yes	Yes	
193	No	Yes	No	Yes	Blue oak	*Quercus douglasii*	13	13					30	20	Fair	Fair	Fair	Yes	Yes	
194	No	Yes	No	Yes	Blue oak	*Quercus douglasii*	13	13					24	25	Fair	Fair	Fair	No	No	
195	No	No	No	No	Almond	*Prunus dulcis*	34	11	7	7	5	2,2	30	20	Fair-Poor	Fair-Poor	Fair-Poor	No	No	

Tree Tag Number	CDFW Regulated?	City of Roseville Regulated?	City of Rocklin Regulated?	Native?	Species Common Name	Species Scientific Name	Cumulative DBH (inches)	Diameter at Breast Height of Individual Trunks (inches)					Drip Diameter (feet)	Height (feet)	Health	Vigor	Structure	Trunk within Impact Area?	Canopy and Assumed Rootzone within Impact Area?	Comments
								1	2	3	4	Additional								
196	No	No	No	No	Almond	*Prunus dulcis*	18	7	5	4	2		20	20	Fair-Poor	Fair-Poor	Fair-Poor	No	No	
197	No	No	Yes	No	Coast redwood	*Sequoia sempervirens*	10	10					16	20	Fair	Fair	Fair	No	No	
198	No	No	No	No	Coast redwood	*Sequoia sempervirens*	6	6					8	15	Fair	Fair	Fair	No	No	
199	No	No	No	No	Coast redwood	*Sequoia sempervirens*	6	6					8	15	Fair	Fair	Fair	No	No	
200	No	No	No	No	Coast redwood	*Sequoia sempervirens*	6	6					8	15	Fair	Fair	Fair	No	No	
201	No	No	No	No	Coast redwood	*Sequoia sempervirens*	6	6					8	15	Fair	Fair	Fair	No	No	
202	No	No	No	No	Coast redwood	*Sequoia sempervirens*	7	7					8	15	Fair	Fair	Fair	No	No	
203	No	No	No	No	Coast redwood	*Sequoia sempervirens*	6	6					8	15	Fair-Poor	Fair-Poor	Fair	No	No	
204	No	No	No	No	Coast redwood	*Sequoia sempervirens*	6	6					8	15	Fair-Poor	Fair-Poor	Fair	No	No	
205	No	No	No	No	Coast redwood	*Sequoia sempervirens*	6	6					8	15	Fair-Poor	Fair-Poor	Fair	Yes	Yes	
206	No	No	No	No	Coast redwood	*Sequoia sempervirens*	6	6					8	15	Fair-Poor	Fair-Poor	Fair	Yes	Yes	
207	No	No	No	No	Coast redwood	*Sequoia sempervirens*	6	6					8	15	Fair-Poor	Fair-Poor	Fair	Yes	Yes	
208	No	No	No	No	Coast redwood	*Sequoia sempervirens*	6	6					8	15	Poor	Poor	Fair	Yes	Yes	
209	No	No	No	No	Coast redwood	*Sequoia sempervirens*	6	6					8	15	Poor	Poor	Fair	Yes	Yes	
210	No	No	No	No	Coast redwood	*Sequoia sempervirens*	4	2	2				8	8	Poor	Poor	Poor	Yes	Yes	
211	No	No	No	No	Coast redwood	*Sequoia sempervirens*	5	5					8	10	Poor	Poor	Fair	Yes	Yes	
212	No	No	No	No	Coast redwood	*Sequoia sempervirens*	5	5					8	10	Poor	Poor	Fair	Yes	Yes	
213	No	No	No	No	Chinese pistache	*Pistacia chinensis*	25	8	7	3	3	2,2	40	18	Fair	Fair	Poor	No	No	
214	No	No	No	No	Deodar cedar	*Cedrus deodara*	10	10					20	25	Good	Fair	Good	No	No	
215	No	No	No	No	Deodar cedar	*Cedrus deodara*	14	14					30	30	Good	Fair	Good	No	Yes	
216	No	No	No	No	Deodar cedar	*Cedrus deodara*	14	14					30	30	Good	Fair	Good	Yes	Yes	
217	No	No	No	No	Deodar cedar	*Cedrus deodara*	14	14					30	30	Fair	Fair	Fair	Yes	Yes	
218	No	No	No	Yes	Fremont cottonwood	*Populus fremontii*	45	16	15	14			30	20	Fair-Poor	Fair-Poor	Fair-Poor	Yes	Yes	
219	No	No	No	Yes	Blue oak	*Quercus douglasii*	4.5	4.5					10	10	Fair	Fair	Fair	Yes	Yes	
220	No	No	No	No	Deodar cedar	*Cedrus deodara*	25	14	11				40	25	Fair	Fair	Fair-Poor	Yes	Yes	
221	No	No	No	No	Deodar cedar	*Cedrus deodara*	18.5	18.5					32	30	Good	Fair	Good	Yes	Yes	
222	No	No	No	No	Deodar cedar	*Cedrus deodara*	16	16					30	30	Good	Fair	Good	Yes	Yes	
223	No	No	No	No	Deodar cedar	*Cedrus deodara*	15	15					30	30	Fair	Fair	Good	Yes	Yes	

Tree Tag Number	CDFW Regulated?	City of Roseville Regulated?	City of Rocklin Regulated?	Native?	Species Common Name	Species Scientific Name	Cumulative DBH (inches)	Diameter at Breast Height of Individual Trunks (inches)					Drip Diameter (feet)	Height (feet)	Health	Vigor	Structure	Trunk within Impact Area?	Canopy and Assumed Rootzone within Impact Area?	Comments
								1	2	3	4	Additional								
224	No	No	No	No	Elm	*Ulmus sp.*	19	8	7	4			20	10	Fair-Poor	Poor	Poor	Yes	Yes	
225	No	No	No	No	Deodar cedar	*Cedrus deodara*	16	16					30	30	Good	Fair	Good	Yes	Yes	
226	No	No	No	No	Deodar cedar	*Cedrus deodara*	16	16					30	30	Fair	Fair	Good	Yes	Yes	
227	No	No	No	No	Deodar cedar	*Cedrus deodara*	9	9					24	25	Fair	Fair	Fair	No	No	
228	No	No	No	No	Deodar cedar	*Cedrus deodara*	12	12					16	25	Fair	Fair	Fair	No	No	
229	No	No	No	No	Deodar cedar	*Cedrus deodara*	21	21					40	30	Fair	Fair	Fair	No	No	
230	No	No	No	No	Deodar cedar	*Cedrus deodara*	14	14					16	25	Fair	Fair	Fair	No	Yes	
231	No	No	No	Yes	Blue oak	*Quercus douglasii*	4	4					8	18	Fair	Fair	Fair	Yes	Yes	
232	No	No	No	No	Deodar cedar	*Cedrus deodara*	14	14					30	25	Fair	Fair	Fair	Yes	Yes	
233	No	No	No	No	Sweet cherry	*Prunus avium*	23	5	4	3	3	2,2,2,2	16	10	Fair	Fair	Fair-Poor	Yes	Yes	
234	No	No	No	No	Deodar cedar	*Cedrus deodara*	14	14					30	30	Fair	Fair	fair	No	Yes	
235	No	Yes	No	No	Deodar cedar	*Cedrus deodara*	19	10	9				40	40	Fair	Fair-Poor	Fair-Poor	No	No	
236	No	No	No	No	Deodar cedar	*Cedrus deodara*	12	12					40	40	Fair	Fair	Fair-Poor	No	No	
237	No	No	No	No	Deodar cedar	*Cedrus deodara*	12	12					20	35	Fair	Fair	Fair	No	No	
238	No	No	No	No	Deodar cedar	*Cedrus deodara*	12	12					20	35	Fair	Fair-Poor	Fair-Poor	No	No	
239	No	No	No	No	Deodar cedar	*Cedrus deodara*	14	14					24	40	Fair	Fair-Poor	Fair-Poor	No	Yes	
240	No	No	No	No	Deodar cedar	*Cedrus deodara*	13	13					30	35	Fair	Fair-Poor	Fair	Yes	Yes	
241	No	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	8	3.5	3	1.5			10	20	Fair	Fair	Fair	Yes	Yes	
242	No	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	7	3	2.5	1.5			6	15	Fair	Fair	Fair-Poor	Yes	Yes	Included bark
243	No	No	No	No	Deodar cedar	*Cedrus deodara*	21	21					40	35	Fair	Fair	Poor	Yes	Yes	
244	No	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	9	2	2	2	1	1,1	6	10	Fair	Fair	Fair	Yes	Yes	
245	No	No	No	Yes	Interior live oak	*Quercus wislizenii*	5	5					8	15	Fair	Fair	Fair	Yes	Yes	
246	No	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	11	4	4	3			10	15	Fair	Fair	Fair	Yes	Yes	
247	No	No	No	No	Deodar cedar	*Cedrus deodara*	18	18					30	40	Fair	Fair	Fair-Poor	Yes	Yes	
248	No	No	No	No	Deodar cedar	*Cedrus deodara*	14	14					30	35	Fair-Poor	Fair-Poor	Poor	Yes	Yes	
249	No	No	No	No	Deodar cedar	*Cedrus deodara*	18	18					30	40	Fair	Fair	Fair	Yes	Yes	
250	No	No	No	No	Deodar cedar	*Cedrus deodara*	16	16					30	35	Fair-Poor	Fair-Poor	Poor	No	Yes	
251	No	No	No	No	Deodar cedar	*Cedrus deodara*	18	18					30	35	Fair	Fair-Poor	Fair	No	No	

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								1	2	3	4	Additional								
252	No	No	No	No	Deodar cedar	*Cedrus deodara*	17	17					30	35	Fair	Fair-Poor	Fair	No	Yes	
253	No	No	No	No	Deodar cedar	*Cedrus deodara*	19	10	9				20	25	Fair	Fair-Poor	Poor	Yes	Yes	
254	No	No	No	No	Almond	*Prunus dulcis*	25	4	4	3	3	3,3,3,2	6	15	Fair	Fair-Poor	Fair	Yes	Yes	
255	No	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	8	8					14	15	Fair	Fair	Fair	Yes	Yes	
256	No	No	No	Yes	Interior live oak	*Quercus wislizenii*	4	4					6	10	Fair	Fair	Fair	Yes	Yes	
257	No	No	No	No	Deodar cedar	*Cedrus deodara*	18	18					40	40	Fair	Fair	Fair	Yes	Yes	
258	No	No	No	No	Deodar cedar	*Cedrus deodara*	11.5	8.5	3				10	30	Fair	Fair-Poor	Poor	No	No	
259	No	No	No	No	Deodar cedar	*Cedrus deodara*	18	18					20	35	Fair	Fair-Poor	Fair-Poor	No	No	
260	No	No	No	No	Deodar cedar	*Cedrus deodara*	24	24					40	45	Fair	Fair	Fair	No	Yes	
261	No	No	No	No	Deodar cedar	*Cedrus deodara*	36	18	8	8	2		30	25	Poor	Fair-Poor	Poor	Yes	Yes	
262	No	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	23	6	6	5	4	2	20	15	Fair	Fair	fair	Yes	Yes	
263	No	Yes	No	No	Deodar cedar	*Cedrus deodara*	32	24	8				50	20	Fair	Fair	Fair	Yes	Yes	
264	No	No	No	No	Deodar cedar	*Cedrus deodara*	12	12					30	20	Fair	Fair	Fair	No	No	
265	No	No	No	No	Deodar cedar	*Cedrus deodara*	20	20					30	25	Fair	Fair	Fair	No	Yes	
266	No	No	No	No	Deodar cedar	*Cedrus deodara*	14.5	14.5					70	15	Fair	Fair-Poor	Poor	No	Yes	Growing prostrate
267	No	No	No	No	Chinese pistache	*Pistacia chinensis*	9	5	4				16	12	Fair	Fair	Fair	No	No	
268	No	No	No	No	Deodar cedar	*Cedrus deodara*	16	16					40	30	Fair	Fair	Fair	No	Yes	
269	No	No	No	No	Deodar cedar	*Cedrus deodara*	27.5	12.5	10	5			40	30	Fair	Fair	Fair	No	Yes	
270	No	No	No	No	Deodar cedar	*Cedrus deodara*	24	12	12				40	30	Fair	Fair	Fair	No	Yes	
271	No	No	No	Yes	Interior live oak	*Quercus wislizenii*	5.5	3	2.5				20	15	Fair	Fair	Fair	No	No	
272	No	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	17	4	4	3	2.5	2.5,1	20	12	Fair	Fair	Fair	No	No	
273	No	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	11.5	3.5	2.5	2	2	1.5	20	8	Fair	Fair	Fair	No	No	
274	No	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	8	2	2	1	1	1,1	14	10	Fair	Fair	Fair	No	No	
275	No	No	No	Yes	Interior live oak	*Quercus wislizenii*	5	3	2				14	10	Fair	Fair	Fair	No	No	
276	No	No	No	No	Deodar cedar	*Cedrus deodara*	11	11					30	25	Fair	Fair	Fair	No	Yes	
277	No	No	No	No	Deodar cedar	*Cedrus deodara*	14	14					30	25	Fair	Fair	Fair	No	Yes	
278	No	No	No	No	Deodar cedar	*Cedrus deodara*	15	15					30	25	Fair	Fair	Fair	No	Yes	
279	No	No	No	No	Deodar cedar	*Cedrus deodara*	30	13	10	7			40	25	Fair	Fair	Fair	No	Yes	

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								1	2	3	4	Additional								
280	No	No	No	No	Deodar cedar	*Cedrus deodara*	25.5	18	7.5				40	25	Fair	Fair	Fair	No	No	
281	No	No	No	No	Deodar cedar	*Cedrus deodara*	12	12					36	20	Fair	Fair	Fair	No	No	
282	No	No	No	No	Deodar cedar	*Cedrus deodara*	24	24					50	25	Fair	Fair	Fair	No	No	
283	No	No	No	No	Deodar cedar	*Cedrus deodara*	48.5	18	17	13.5			50	25	Fair	Fair	Poor	No	No	
284	No	No	No	Yes	Interior live oak	*Quercus wislizenii*	5	2	2	1			20	12	Fair	Fair	Fair	No	No	
285	No	No	No	No	Deodar cedar	*Cedrus deodara*	19	19					40	25	Fair	Fair	Fair	No	No	
286	No	No	No	No	Deodar cedar	*Cedrus deodara*	13.5	13.5					30	25	Fair	Fair	Fair	No	No	
287	No	No	No	No	Deodar cedar	*Cedrus deodara*	13	13					30	25	Fair	Fair	Fair	No	No	
288	No	No	No	No	Deodar cedar	*Cedrus deodara*	19	19					40	25	Fair	Fair	Fair	No	No	
289	No	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	21	4.5	4	4	3	2.5,2,1	20	12	Fair	Fair	Fair	No	No	
290	No	No	No	No	Chinese pistache	*Pistacia chinensis*	14.5	5	4.5	3	2		20	12	Fair	Fair	Fair	No	No	
291	No	No	No	No	Chinese pistache	*Pistacia chinensis*	17	10	7				30	15	Fair	Fair	Fair	No	No	
292	No	No	No	No	Chinese pistache	*Pistacia chinensis*	16.5	10.5	6				30	20	Fair	Fair	Fair	No	No	
293	No	No	No	No	Chinese pistache	*Pistacia chinensis*	11	11					40	20	Fair	Fair	Fair	No	No	
294	No	No	No	No	Deodar cedar	*Cedrus deodara*	21	21					40	30	Fair	Fair	Fair	No	No	
295	No	No	No	No	Chinese pistache	*Pistacia chinensis*	28	7	6	5	5	5	40	18	Fair	Fair	Fair	No	No	
296	No	No	No	No	Chinese pistache	*Pistacia chinensis*	13.5	7.5	6				40	18	Fair	Fair	Fair	No	No	
297	No	No	No	No	Chinese pistache	*Pistacia chinensis*	19	8.5	7	3.5			40	20	Fair	Fair	Fair	No	No	
298	No	No	No	No	Chinese pistache	*Pistacia chinensis*	14	11	3				40	25	Fair	Fair	Fair	No	No	
299	No	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	11	4	2.5	2.5	2		30	10	Fair	Fair	Poor	No	No	
300	No	No	No	Yes	Interior live oak	*Quercus wislizenii*	4.5	1.5	1	1	1		30	10	Fair	Fair	Poor	No	No	
301	No	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	23	6	4.5	3.5	3	3,3	30	15	Fair	Fair	Fair	No	No	Not tagged
302	No	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	10	7	3				20	15	Fair	Fair	Fair	No	No	Not tagged
303	No	No	No	No	Chinese pistache	*Pistacia chinensis*	6	3	3				20	20	Fair	Fair	Fair	No	No	Not tagged
304	No	No	No	No	Chinese pistache	*Pistacia chinensis*	12.5	12.5					20	20	Fair	Fair	Fair	No	No	Not tagged; measured at 2 feet above grade
305	No	No	No	No	Chinese pistache	*Pistacia chinensis*	13.5	13.5					40	20	Fair	Fair	Fair	No	No	Not tagged
306	No	No	No	Yes	Interior live oak	*Quercus wislizenii*	4	2	2				20	12	Fair	Fair	Fair	No	No	Not tagged
307	No	No	No	No	Chinese pistache	*Pistacia chinensis*	22	13	9				50	20	Fair	Fair	Fair	No	No	Not tagged

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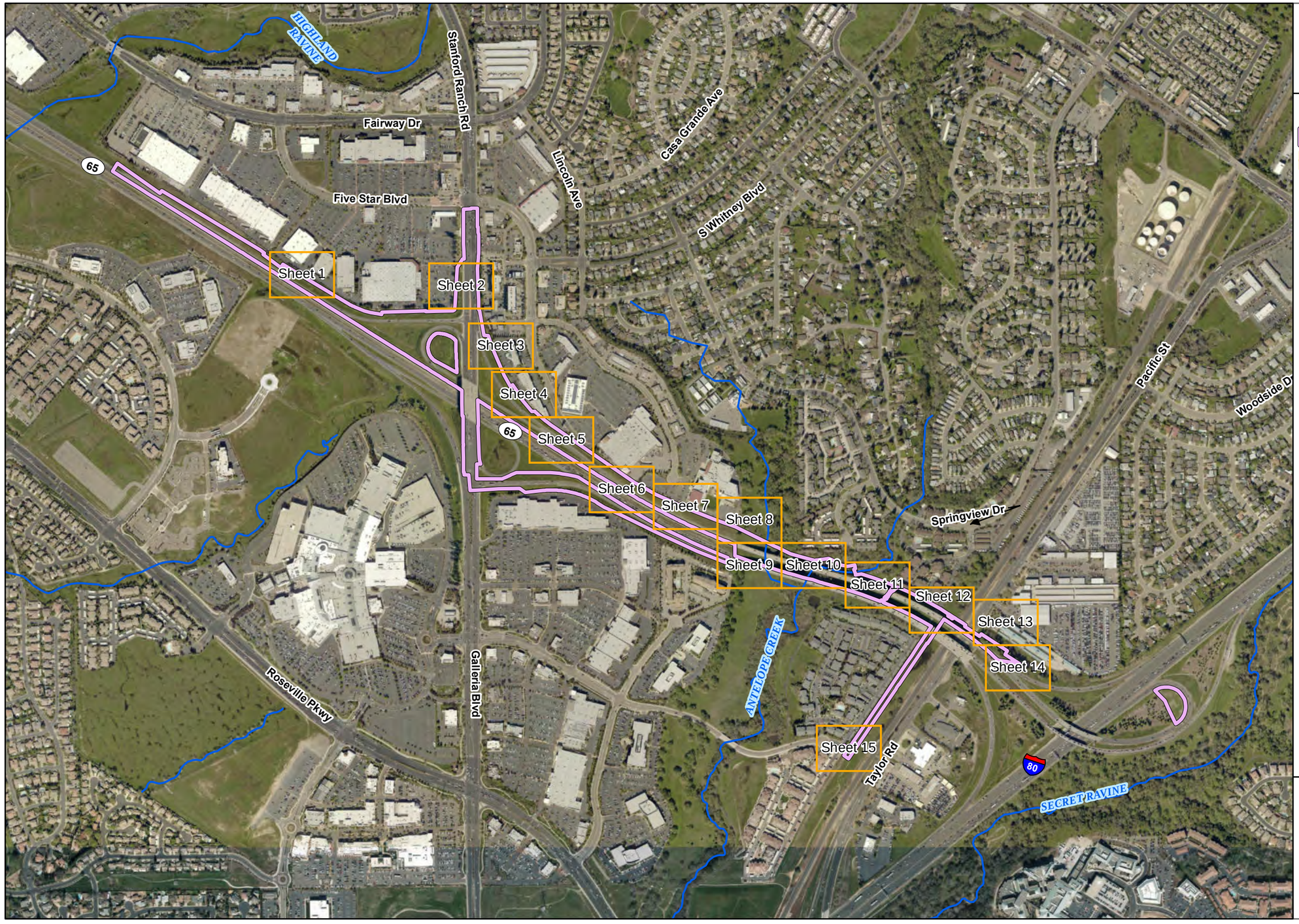
								1	2	3	4	Additional								
308	No	No	No	No	Chinese pistache	*Pistacia chinensis*	11	11					50	15	Fair	Fair	Fair	No	Yes	Not tagged
309	No	No	No	No	Chinese pistache	*Pistacia chinensis*	9.5	9.5					40	20	Fair	Fair	Poor	No	No	Not tagged; measured at 3 feet above grade
310	No	No	No	No	Chinese pistache	*Pistacia chinensis*	7.5	7.5					40	20	Fair	Fair	Poor	No	Yes	Not tagged
311	No	No	No	No	Chinese pistache	*Pistacia chinensis*	11	11					40	20	Fair	Fair	Poor	No	Yes	Not tagged
312	No	No	No	No	Chinese pistache	*Pistacia chinensis*	12	12					40	18	Fair	Fair	Poor	No	No	Not tagged; measured at 2 feet above grade
313	No	No	No	No	Chinese pistache	*Pistacia chinensis*	26	10	5	4	3	2,2	36	18	Fair	Fair	Poor	No	No	Not tagged; measured at 2 feet above grade
314	No	No	No	No	Chinese pistache	*Pistacia chinensis*	31	11	10	5.5	4.5		36	25	Fair	Fair	Poor	No	No	Not tagged
315	No	No	No	No	Chinese pistache	*Pistacia chinensis*	23.5	10.5	5.5	4	3.5		40	25	Fair	Fair	Fair-Poor	Yes	Yes	Not tagged
316	No	No	No	No	Chinese pistache	*Pistacia chinensis*	12	12					40	25	Fair	Fair	Fair-Poor	No	Yes	Not tagged
317	No	No	No	No	Chinese pistache	*Pistacia chinensis*	12.5	7.5	5				32	25	Fair	Fair	Fair	Yes	Yes	Not tagged
318	No	No	No	No	Chinese pistache	*Pistacia chinensis*	11	11					32	25	Fair	Fair	Fair	No	Yes	Not tagged
319	No	No	No	No	Chinese pistache	*Pistacia chinensis*	9	9					20	15	Fair	Fair	Fair	No	No	Not tagged
320	No	No	No	No	Chinese pistache	*Pistacia chinensis*	11	11					30	15	Fair	Fair	Fair	No	No	Not tagged
321	No	No	No	No	Chinese pistache	*Pistacia chinensis*	15.5	8	7.5				40	15	Fair	Fair	Fair	No	No	Not tagged
322	No	No	No	No	Chinese pistache	*Pistacia chinensis*	6.5	6.5					24	20	Fair	Fair	Fair	No	No	Not tagged
323	No	No	No	No	Chinese pistache	*Pistacia chinensis*	12.5	12.5					40	25	Fair	Fair	Fair	No	Yes	Not tagged
324	No	No	No	No	Chinese pistache	*Pistacia chinensis*	11	11					30	25	Fair	Fair	Fair	No	Yes	Not tagged
325	No	No	No	No	Chinese pistache	*Pistacia chinensis*	7	7					20	15	Fair-Poor	Fair-Poor	Fair	No	Yes	Not tagged
326	No	No	No	No	Chinese pistache	*Pistacia chinensis*	15	12	3				40	25	Fair	Fair	Fair	No	No	Not tagged
327	No	No	No	No	Chinese pistache	*Pistacia chinensis*	16	6.5	2	2	2	1.5,1,1	20	15	Fair	Fair	Fair-Poor	Yes	Yes	Not tagged
328	No	No	No	No	Chinese pistache	*Pistacia chinensis*	9	9					24	15	Fair	Fair	Fair	No	No	Not tagged
329	No	No	No	No	Chinese pistache	*Pistacia chinensis*	19.5	11.5	8				40	20	Fair	Fair-Poor	Fair-Poor	No	No	Not tagged
330	No	No	No	No	Chinese pistache	*Pistacia chinensis*	9	9					30	15	Fair	Fair	Fair	No	No	Not tagged
331	No	No	No	Yes	Interior live oak	*Quercus wislizenii*	5	5					30	12	Fair	Fair	Fair-Poor	No	No	Not tagged

Tree Tag Number	CDFW Regulated?	City of Roseville Regulated?	City of Rocklin Regulated?	Native?	Species Common Name	Species Scientific Name	Cumulative DBH (inches)	Diameter at Breast Height of Individual Trunks (inches)					Drip Diameter (feet)	Height (feet)	Health	Vigor	Structure	Trunk within Impact Area?	Canopy and Assumed Rootzone within Impact Area?	Comments
								1	2	3	4	Additional								
332	No	No	No	Yes	Black willow	*Salix gooddingii*	45	2	2	2	2	2,2,2,2,2,2,2,2,2,2,2,1,1,1,1,1,1,1,1,1,1,1,1,1,1	20	15	Fair-Poor	Fair-Poor	Poor	Yes	Yes	Not tagged; growing from downed limbs
333	No	No	No	No	Chinese tallow	*Triadica sebifera*	11	3	2.5	2.5	2	1	12	20	Fair	Fair	Poor	Yes	Yes	Not tagged
334	No	No	No	Yes	Black willow	*Salix gooddingii*	55	7	6	5	5	4,4,4,3,3,3,2,2,2,2,1,1,1	30	20	Fair	Fair	Poor	Yes	Yes	Not tagged
335	No	No	No	Yes	Red willow	*Salix laevigata*	41.5	6	5	4	4	3,3,3,2.5,2,2,1,1,1,1,1,1,1	12	10	Fair	Fair	Poor	Yes	Yes	Not tagged
336	No	No	No	Yes	Black willow	*Salix gooddingii*	25	4	4	3	2	2,2,2,1,1,1,1,1,1	12	15	Fair	Fair	Fair-Poor	Yes	Yes	Not tagged
337	No	No	No	Yes	Fremont cottonwood	*Populus fremontii*	4	4					10	30	Fair	Fair-Poor	Fair-Poor	Yes	Yes	Not tagged
338	No	No	No	No	White mulberry	*Morus alba*	10	10					24	15	Fair	Fair	Poor	Yes	Yes	Not tagged; measured at 2 feet above grade
339	No	No	No	No	Chinese pistache	*Pistacia chinensis*	12	5	3	2	1	1	10	15	Fair	Fair	Fair	Yes	Yes	Not tagged
340	No	No	No	No	Chinese pistache	*Pistacia chinensis*	5	2	1	1	1		12	10	Fair	Fair	Fair	Yes	Yes	Not tagged
341	No	No	No	No	Chinese pistache	*Pistacia chinensis*	8	3	3	1	1		12	10	Fair	Fair	Fair	Yes	Yes	Not tagged
342	No	No	No	No	Callery pear	*Pyrus calleryanai*	7	2.5	1.5	1	1	1	4	15	Fair	Fair	Poor	Yes	Yes	Not tagged
343	No	No	No	No	Chinese pistache	*Pistacia chinensis*	7.5	3.5	2	2			6	20	Fair	Fair	Fair	Yes	Yes	Not tagged
344	No	No	No	No	White mulberry	*Morus alba*	11	5	3	3			10	15	Fair	Fair	Fair-Poor	Yes	Yes	Not tagged
345	No	Yes	No	Yes	Blue oak	*Quercus douglasii*	7	4	3				6	12	Fair	Fair	Fair-Poor	Yes	Yes	Not tagged
346	No	No	No	No	Almond	*Prunus dulcis*	4	2	1	1			4	8	Fair	Fair-Poor	Fair-Poor	Yes	Yes	Not tagged
347	No	Yes	No	Yes	Interior live oak	*Quercus wislizenii*	15	5	4.5	3.5	2		8	15	Fair	Fair	Fair	Yes	Yes	Not tagged
348	No	No	No	Yes	Blue oak	*Quercus douglasii*	4.5	2.5	1	1			4	8	Fair	Fair	Fair	Yes	Yes	Not tagged
349	No	No	No	No	Almond	*Prunus dulcis*	11	2	2	2	1	1,1,1,1	10	15	Fair	Fair	Poor	Yes	Yes	Not tagged
350	No	No	No	Yes	Interior live oak	*Quercus wislizenii*	4	2	2				8	15	Fair	Fair	Fair-Poor	Yes	Yes	Not tagged
351	No	No	No	No	Chinese pistache	*Pistacia chinensis*	9	6	3				10	15	Fair	Fair	Fair-Poor	Yes	Yes	Not tagged
352	No	No	No	No	Callery pear	*Pyrus calleryanai*	22	4	4	3	3	2,2,2,2	20	15	Fair	Fair	Poor	No	No	Not tagged
353	No	No	No	Yes	Black willow	*Salix gooddingii*	45	16	16	13			40	40	Fair	Fair-Poor	Fair-Poor	Yes	Yes	Not tagged

Tree Tag Number	CDFW Regulated?	City of Roseville Regulated?	City of Rocklin Regulated?	Native?	Species Common Name	Species Scientific Name	Cumulative DBH (inches)	Diameter at Breast Height of Individual Trunks (inches)					Drip Diameter (feet)	Height (feet)	Health	Vigor	Structure	Trunk within Impact Area?	Canopy and Assumed Rootzone within Impact Area?	Comments
								1	2	3	4	Additional								
354	No	No	No	No	Chinese tallow	*Triadica sebifera*	10	4	3	3			20	15	Fair-Poor	Fair	Fair-Poor	No	Yes	Not tagged
355	No	No	No	No	Chinese tallow	*Triadica sebifera*	20	4	3	3	2	2,2,2,2	12	10	Fair	Fair	Poor	Yes	Yes	Not tagged
356	No	No	No	Yes	Black willow	*Salix gooddingii*	20	14	6				50	20	Poor	Poor	Poor	No	Yes	Not tagged; 2 largest stems broken midway
357	No	No	No	Yes	Black willow	*Salix gooddingii*	42	6	6	5	5	4,4,4,2,2,2,2	20	20	Poor	Fair	Poor	Yes	Yes	Not tagged
358	No	No	No	Yes	Black willow	*Salix gooddingii*	15	8	7				30	20	Fair	Fair	Fair	Yes	Yes	Not tagged



I-80/SR 65 Interchange Improvements Project, Phase 1
May 2017

Legend

- Project Disturbance Boundary
- Index Sheet

N

0 500 1,000

Feet

1 inch = 800 feet

Notes:

Base Map Source: ICFI 2013
Imagery Source:ESRI/City of Roseville 2015
USGS Topo Quad: Roseville, Rocklin
PLSS: S(23, 24, 25, 26) T11N R06E
S30 T11N R07E

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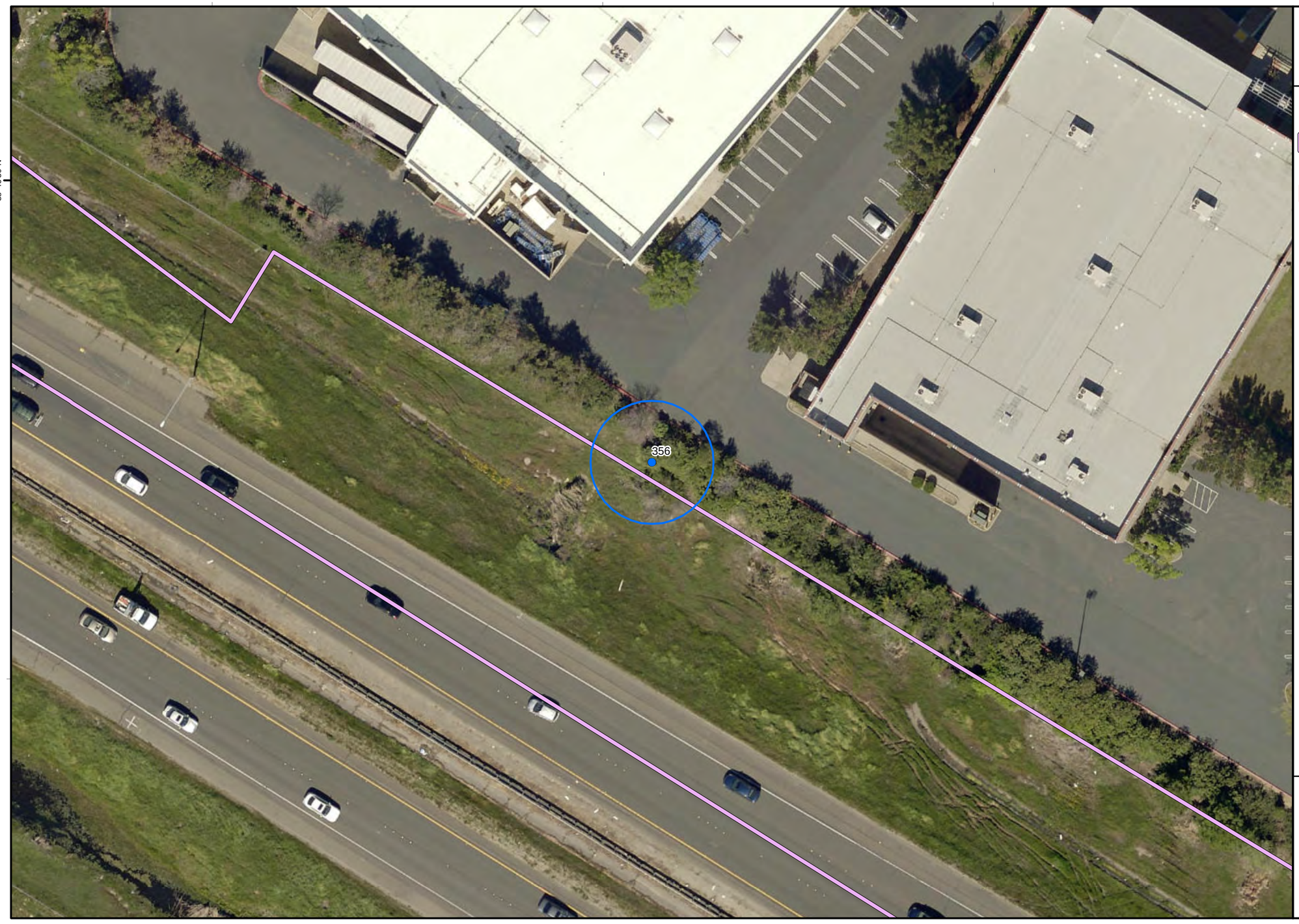
Figure 2 – Index
Tree Survey Map



I-80/SR 65 Interchange
Improvements Project, Phase 1
May 2017

Legend

- Project Disturbance Boundary
- CDFW Jurisdiction
- Access Restriction - Unsurveyed
- CDFW Regulated
- CDFW and City Regulated
- City Regulated
- Not Regulated

N

0 40 80

Feet

1 inch = 40 feet

Notes:

Base Map Source: ICFI 2013
Imagery Source:ESRI/City of Roseville 2015
USGS Topo Quad: Roseville, Rocklin
PLSS: S(23, 24, 25, 26) T11N R06E
S30 T11N R07E

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Figure 2
Tree Survey Map

121°16'0"W

I-80/SR 65 Interchange
Improvements Project, Phase 1
May 2017

Legend

- Project Disturbance Boundary
- CDFW Jurisdiction
- Access Restriction - Unsurveyed
- CDFW Regulated
- CDFW and City Regulated
- City Regulated
- Not Regulated

N

0 40 80

Feet

1 inch = 40 feet

Notes:

Base Map Source: ICFI 2013
Imagery Source:ESRI/City of Roseville 2015
USGS Topo Quad: Roseville, Rocklin
PLSS: S(23, 24, 25, 26) T11N R06E
S30 T11N R07E

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Figure 2
Tree Survey Map

I-80/SR 65 Interchange
Improvements Project, Phase 1
May 2017

Legend

- Project Disturbance Boundary
- CDFW Jurisdiction
- Access Restriction - Unsurveyed
- CDFW Regulated
- CDFW and City Regulated
- City Regulated
- Not Regulated

N

0 40 80

Feet

1 inch = 40 feet

Notes:

Base Map Source: ICFI 2013
Imagery Source:ESRI/City of Roseville 2015
USGS Topo Quad: Roseville, Rocklin
PLSS: S(23, 24, 25, 26) T11N R06E
S30 T11N R07E

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Figure 2
Tree Survey Map

121°15'50"W

38°46'40"N

333

334

335

336

352

I-80/SR 65 Interchange
Improvements Project, Phase 1
May 2017

Legend

- Project Disturbance Boundary
- CDFW Jurisdiction
- Access Restriction - Unsurveyed
- CDFW Regulated
- CDFW and City Regulated
- City Regulated
- Not Regulated

N

0 40 80

Feet

1 inch = 40 feet

Notes:

Base Map Source: ICFI 2013
Imagery Source:ESRI/City of Roseville 2015
USGS Topo Quad: Roseville, Rocklin
PLSS: S(23, 24, 25, 26) T11N R06E
S30 T11N R07E

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Figure 2
Tree Survey Map

121°15'50"W

I-80/SR 65 Interchange
Improvements Project, Phase 1
May 2017

Legend

- Project Disturbance Boundary
- CDFW Jurisdiction
- Access Restriction - Unsurveyed
- CDFW Regulated
- CDFW and City Regulated
- City Regulated
- Not Regulated

N

0 40 80

Feet

1 inch = 40 feet

Notes:

Base Map Source: ICFI 2013
Imagery Source:ESRI/City of Roseville 2015
USGS Topo Quad: Roseville, Rocklin
PLSS: S(23, 24, 25, 26) T11N R06E
S30 T11N R07E

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Figure 2
Tree Survey Map

121°15'40"W

38°46'30"N

I-80/SR 65 Interchange
Improvements Project, Phase 1
May 2017

Legend

- Project Disturbance Boundary
- CDFW Jurisdiction
- Access Restriction - Unsurveyed
- CDFW Regulated
- CDFW and City Regulated
- City Regulated
- Not Regulated

N

0 40 80

Feet

1 inch = 40 feet

Notes:

Base Map Source: ICFI 2013
Imagery Source:ESRI/City of Roseville 2015
USGS Topo Quad: Roseville, Rocklin
PLSS: S(23, 24, 25, 26) T11N R06E
S30 T11N R07E

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Figure 2
Tree Survey Map

I-80/SR 65 Interchange
Improvements Project, Phase 1
May 2017

Legend

- Project Disturbance Boundary
- CDFW Jurisdiction
- Access Restriction - Unsurveyed
- CDFW Regulated
- CDFW and City Regulated
- City Regulated
- Not Regulated

N

0 40 80

Feet

1 inch = 40 feet

Notes:

Base Map Source: ICFI 2013
Imagery Source:ESRI/City of Roseville 2015
USGS Topo Quad: Roseville, Rocklin
PLSS: S(23, 24, 25, 26) T11N R06E
S30 T11N R07E

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Figure 2
Tree Survey Map

121°15'30"W

38°46'30"N

345
346
347
349
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348
185

I-80/SR 65 Interchange
Improvements Project, Phase 1
May 2017

Legend

- Project Disturbance Boundary
- CDFW Jurisdiction
- Access Restriction - Unsurveyed
- CDFW Regulated
- CDFW and City Regulated
- City Regulated
- Not Regulated

N

0 40 80

Feet

1 inch = 40 feet

Notes:

Base Map Source: ICFI 2013
Imagery Source:ESRI/City of Roseville 2015
USGS Topo Quad: Roseville, Rocklin
PLSS: S(23, 24, 25, 26) T11N R06E
S30 T11N R07E

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Figure 2
Tree Survey Map

121°15'30"W

I-80/SR 65 Interchange
Improvements Project, Phase 1
May 2017

Legend

- Project Disturbance Boundary
- CDFW Jurisdiction
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- City Regulated
- Not Regulated

N

0 40 80

Feet

1 inch = 40 feet

Notes:

Base Map Source: ICFI 2013
Imagery Source:ESRI/City of Roseville 2015
USGS Topo Quad: Roseville, Rocklin
PLSS: S(23, 24, 25, 26) T11N R06E
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Figure 2
Tree Survey Map

121°15'20"W

I-80/SR 65 Interchange
Improvements Project, Phase 1
May 2017

Legend

- Project Disturbance Boundary
- CDFW Jurisdiction
- Access Restriction - Unsurveyed
- CDFW Regulated
- CDFW and City Regulated
- City Regulated
- Not Regulated

N

0 40 80

Feet

1 inch = 40 feet

Notes:

Base Map Source: ICFI 2013
Imagery Source:ESRI/City of Roseville 2015
USGS Topo Quad: Roseville, Rocklin
PLSS: S(23, 24, 25, 26) T11N R06E
S30 T11N R07E

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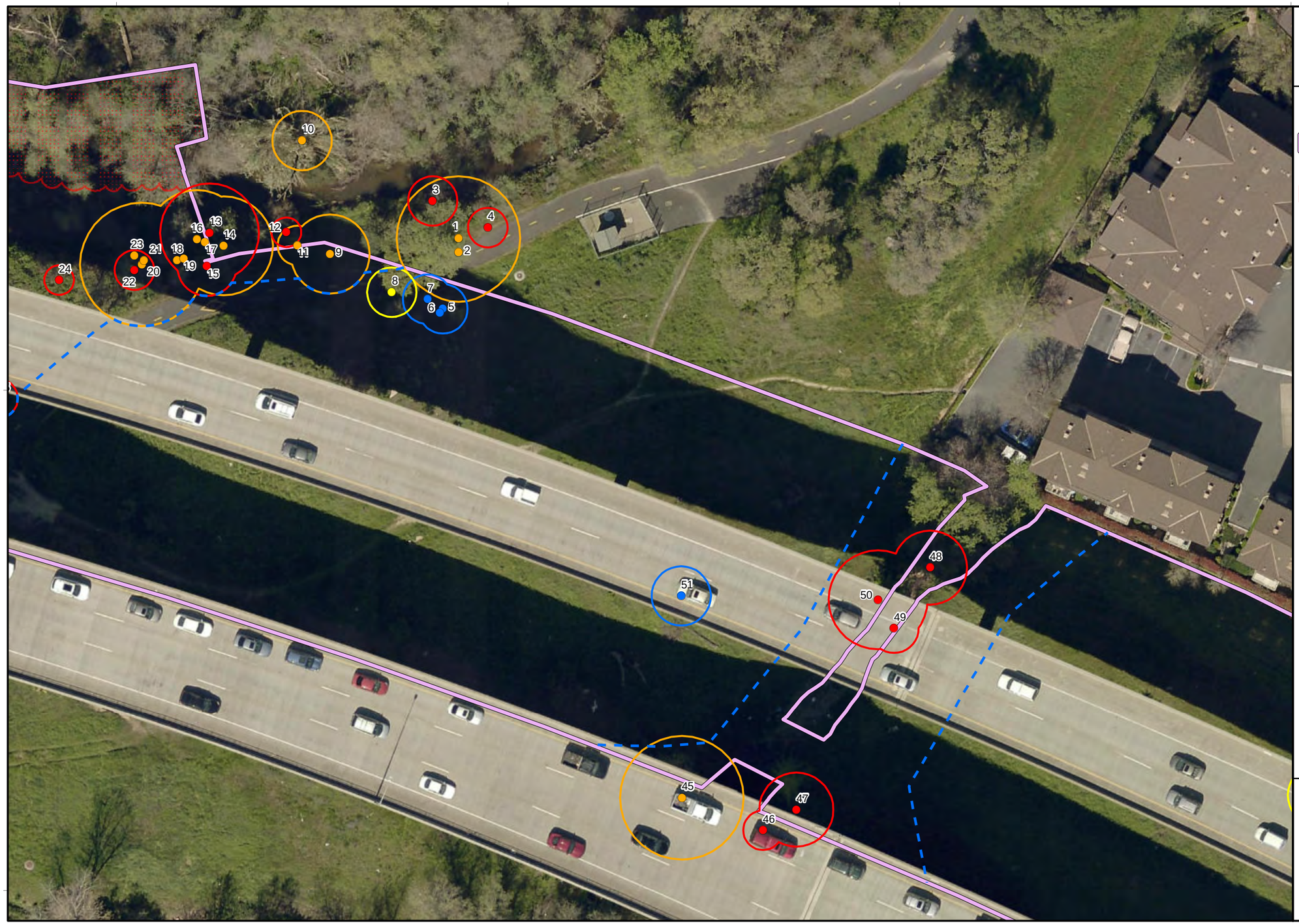
Figure 2
Tree Survey Map



I-80/SR 65 Interchange
Improvements Project, Phase 1
May 2017

Legend

- Project Disturbance Boundary
- CDFW Jurisdiction
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- Not Regulated

N

0 40 80

Feet

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Notes:

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Figure 2
Tree Survey Map

121°15'10"W

38°46'20"N

190
189
192
191
193
194
195
196

I-80/SR 65 Interchange
Improvements Project, Phase 1
May 2017

Legend

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N

0 40 80

Feet

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Figure 2
Tree Survey Map

121°15'0"W

38°46'20"N

I-80/SR 65 Interchange
Improvements Project, Phase 1
May 2017

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Figure 2
Tree Survey Map

121°15'0"W

I-80/SR 65 Interchange
Improvements Project, Phase 1
May 2017

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Figure 2
Tree Survey Map

121°15'20"W

38°46'10"N

I-80/SR 65 Interchange
Improvements Project, Phase 1
May 2017

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Figure 2
Tree Survey Map