WATER QUALITY ORDER NO. [XXXX-XXXX-DWQ] WASTE DISCHARGE REQUIREMENTS AND CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION

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Effective Date:

Program Type: Fill/Excavation

Project Type: Roads and Highways

Project: I-80 Express Lanes Project (Project)

Applicant: California Department of Transportation, District 4

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I. Order

This Order for Waste Discharge Requirements and Clean Water Act section 401 Certification (Order) and attachments A through G is issued at the request of California Department of Transportation, District 4 (herein after Permittee) for the Project. This Order is for the purpose described in the application and supplemental information submitted by the Permittee. The application was received on November 2, 2017. The application was deemed complete on January 31, 2018. Prior to receiving a complete application, the State Water Board issued a notice of incomplete application and the Permittee responded to the request for application information on the following dates (Table 1).

Table 1: Record of Notice(s) of Incomplete Application

Date of Notice of Incomplete Application	Date all requested information was received.
12/1/2017	1/23/2018

The State Water Board requested additional information necessary to supplement the contents of the complete application and the Permittee responded to the request for supplemental information on the following dates (Table 2).

Table 2: Record of Supplemental Application Information

Date of Request for Supplemental Information	Date all requested information was received.
2/2/2018	2/12/2018

II. Public Notice

The State Water Board provided public notice of the application and draft order pursuant to California Code of Regulations, title 23, section 3858 and Water Code section 13167.5 from February 23, 2018 to March 16, 2018 and from April 30, 2018 to May 30, 2018 respectively. Public notice regarding the IS/MND is described in Attachment C, CEQA Findings of Fact.

III. Project Purpose

The purpose of the Project is to optimize the Interstate 80 (I-80) corridor capacity to reduce delays and meet current and anticipated traffic demands.

IV. Project Description

The Project will provide High-Occupancy Vehicle (HOV)/High-Occupancy Toll lanes (express lanes) on I-80 from west of Red Top Road to east of Interstate 505 (I-505).

The Project consists of two segments: the West Segment and the East Segment. In the West Segment, the Project will convert the existing eastbound and westbound HOV lanes to express lanes, and reconfigure the existing combined Travis Boulevard diagonal and loop off-ramps into two separate off-ramps exiting eastbound I-80 (an eastbound diagonal ramp and a westbound loop ramp).

In the East Segment, the Project will construct new eastbound and westbound express lanes in the center median, widen eastbound I-80 between Air Base Parkway and Manuel Campos Parkway to accommodate a California Highway Patrol (CHP) observation area in the median, remove median vegetation, widen the bridge decks at Ulatis Creek and Horse Creek, widen the undercrossing structures at Davis Street and Mason Street, and construct retaining walls and sound walls.

Project activities for both segments include:

- Grading, paving, striping, and widening of existing roadways
- Adding, relocating, and/or altering median barriers
- Installing static and dynamic overhead signs, electronic tolling equipment, median lighting, toll collection subsystems, electrical and communication conduits, and traffic control devices
- Altering and/or constructing CHP observation areas in the center median
- Protecting existing utilities in place
- Installing new drainage systems, modifying existing drainage systems, and constructing new stormwater quality treatment facilities
- Installing biofiltration swales and underground oversized culverts to provide additional stormwater storage and flow control measures

The West Segment and East Segment improvements will be combined and constructed as one construction contract. Each segment will likely be constructed in concurrent multiple stages by multiple work crews to minimize delays and congestion. In general, the median work will take place first, followed by the structure work and the mainline and shoulder work.

The Project is expected to occur over a three-year period.

V. Project Location

The West Segment extends from the Red Top Road interchange (38.18999° N, 122.171° W) to just east of the Air Base Parkway interchange (38.27334° N, 122.04988° W) and includes the I-80/Interstate 680 (I-680)/State Route (SR) 12 interchange area.

The East Segment extends from just east of the Air Base Parkway interchange (38.27334° N, 122.04988° W) to east of the I-80/I-505 interchange (38.39° N, 121.931° W).

The project will pass through the cities of Fairfield and Vacaville and lies entirely within Solano County, CA.

Maps showing the Project location are found in Attachment A of this Order.

VI. Project Impact and Receiving Waters Information

The Project is located within the jurisdiction of the San Francisco Bay Regional Water Quality Control Board and the Central Valley Regional Water Quality Control Board (collectively Regional Water Boards). Receiving waters and groundwater potentially impacted by this Project are protected in accordance with the applicable water quality control plans (Basin Plan) for the regions and other plans and policies which may be accessed online at: http://www.waterboards.ca.gov/plans_policies/. The Basin Plans include water quality standards, which consist of existing and potential beneficial uses of waters of the state, water quality objectives to protect those uses, and the state and federal antidegradation policies.

It is the policy of the State of California that every human being has the right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes. This Order promotes that policy by requiring discharges to meet maximum contaminant levels designed to protect human health and ensure that water is safe for domestic use.

Project impact and receiving waters information can be found in Attachment B. Table 1 of Attachment B shows the receiving waters and beneficial uses of waters of the state impacted by the Project. Individual impact location and quantity is shown in Table 2 of Attachment B.

VII. Description of Direct Impacts to Waters of the State

Direct impacts to waters of the state are associated with roadway widening. The direct impacts are placement of bridge piers below ordinary high-water line, culvert extensions, and relocation of drainage ditches. The majority of the direct impacts to waters of the state will occur in the eastern segment where the majority of the roadway widening is occurring.

Total Project fill/excavation quantities for all impacts are summarized in Table 3. Permanent impacts are categorized as those resulting in a physical loss in area and also those degrading ecological condition only.

Table 3: Total Project Fill/Excavation Quantity[1]

Aquatic Resource Type	Temporary Impact[2]			Permanent Impact					
				Physical Loss of Area			Degradation of Ecological Condition Only		
	Acres	CY	LF	Acres	CY	LF	Acres	CY	LF
Riparian Zone				0.05		202			
Stream Channel	0.40		7,809	0.311		5,624	0.029		37

VIII. Description of Indirect Impacts to Waters of the State

The State Water Board recognizes the potential for indirect impacts to waters of the state associated with the Project. Indirect impacts to waters could potentially result from the installation of additional impervious surface from roadway widening causing hydromodification of stream channels downstream of the Project. However, this has been addressed in the San Francisco Bay Region through Project design measures to minimize hydromodification impacts.

IX. Avoidance and Minimization

Projects receiving certification from the State Water Board, which authorize impacts to waters of the state, must demonstrate that the Project design has first avoided then minimized impacts to waters of the state to the maximum extent practicable. Adequate avoidance and minimization measures for waters of the state are required by the Project's Mitigated Negative

[1] Cubic Yards (CY); Linear Feet (LF)

[2] Includes only temporary direct impacts to waters of the state and does not include upland areas of temporary disturbance which could result in a discharge to waters of the state.

Declaration (MND). A list of aquatic resource specific measures can be found in Attachment C of this Order.

X. Compensatory Mitigation

The Permittee has agreed to provide compensatory mitigation for direct and indirect permanent impacts. Compensatory mitigation plan requirements are described in section XIV.I below.

XI. California Environmental Quality Act (CEQA)

On December 4, 2015, the California Department of Transportation, District 4 (Caltrans), as lead agency, adopted an initial study/mitigated negative declaration (IS/MND) (State Clearinghouse (SCH) No 2015072037 for the Project and filed a Notice of Determination (NOD) at the SCH on December 4, 2015. Pursuant to CEQA, the State Water Board has made Findings of Facts (Findings) which support the issuance of this Order and are included in Attachment C.

XII. Petitions for Reconsideration

Any person aggrieved by this action may petition the State Water Board to reconsider this Order in accordance with California Code of Regulations, title 23, section 3867. A petition for reconsideration must be submitted in writing and received within 30 calendar days of the issuance of this Order.

XIII. Fees Received

An application fee of $1,500 was received on January 24, 2018. The fee amount was determined as required by California Code of Regulations, title 23, sections 3833(b)(3) and 2200(a)(3), and was calculated as category A - Fill & Excavation Discharges (fee code 84) with the dredge and fill fee calculator for FY 17/18. An additional fee of $8,318.00 based on total Project impacts was received on March 7, 2018.

XIV. Conditions

The State Water Board has independently reviewed the record of the Project to analyze impacts to water quality and designated beneficial uses within the watersheds of the Project. In accordance with this Order, the Permittee may proceed with the Project under the following terms and conditions:

A. Authorization

Impacts to waters of the state shall not exceed quantities shown in Table 3**.**

B. Reporting and Notification Requirements

The following section details the reporting and notification types and timing of submittals. Requirements for the content of these reporting and notification types are detailed in Attachment F, including specifications for photo and map documentation during the Project. Written reports and notifications must be submitted using the Reporting and Notification Cover Sheet located in Attachment F, which must be signed by the Permittee or an authorized representative.

1. **Project Reporting**

   a. **Quarterly Reporting:** The Permittee must submit a Quarterly Report pursuant to the requirement outlined in Appendix F, Part A, Report Type 1, to the State Water Board every third month after the effective date of this Order. Quarterly reporting shall continue until the State Water Board issues a Notice of Completion of Discharges Letter to the Permittee.

   b. **Annual Reporting:** The Permittee shall submit an Annual Report pursuant to the requirement outlined in Appendix F, Part A, Report Type 2, each year on the yearly anniversary of the effective date of this Order. Annual reporting shall continue until a Notice of Project Complete Letter is issued to the Permittee.

2. **Project Status Notifications**

   a. **Commencement of Construction:** The Permittee shall submit a Commencement of Construction Report at least seven (7) days prior to start of initial ground disturbance activities.

   b. **Request for Notice of Completion of Discharges Letter:** The Permittee shall submit a Request for Notice of Completion of Discharges Letter following completion of active Project construction activities, including any required restoration and permittee-responsible mitigation. This request shall be submitted to the State Water Board within thirty (30) days following completion of all Project construction activities. Upon acceptance of the request, the State Water Board shall issue a Notice of Completion of Discharges Letter.

   c. **Request for Notice of Project Complete Letter:** The Permittee shall submit a Request for Notice of Project Complete Letter when construction and/or any post-construction monitoring is complete, and no further Project activities will occur. This request shall be submitted to the State Water Board within thirty (30) days following completion of all Project activities[3]. Upon approval of the request, the State Water Board shall issue a Notice of Project Complete Letter to the Permittee which will end the post discharge monitoring period and associated annual fees.

3. **Conditional Notifications and Reports** The following notifications and reports are required as appropriate:

   a. **Accidental Discharges of Hazardous Materials**[4]

[3] Completion of post-construction monitoring shall be determined by the State Water Board and shall be contingent on successful attainment of restoration and mitigation performance criteria.

[4] "Hazardous material" means any material that, because of its quantity, concentration, or physical or chemical characteristics, poses a significant present or potential hazard to human health and safety or to the environment if released into the workplace or the environment. "Hazardous materials" include, but are not limited to, hazardous substances, hazardous waste, and any material that a handler or the administering agency has a reasonable basis for believing that it would be injurious to the health and safety of persons or harmful to the environment if released into the workplace or the environment. (Health & Saf. Code, § 25501.)

Following an accidental discharge of a reportable quantity of a hazardous material, sewage, or an unknown material, the following applies (Wat. Code, § 13271):

i. As soon as (A) Permittee has knowledge of the discharge or noncompliance, (B) notification is possible, and (C) notification can be provided without substantially impeding cleanup or other emergency measures then:
- first call – 911 (to notify local response agency)
- then call – Office of Emergency Services (OES) State Warning Center at: (800) 852-7550 or (916) 845-8911
- Lastly follow the required OES procedures as set forth in: http://www.caloes.ca.gov/FireRescueSite/Documents/CalOES-Spill_Booklet_Feb2014_FINAL_BW_Acc.pdf

ii. Following notification to OES, the Permittee shall notify State Water Board, as soon as practicable (ideally within 24 hours). Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.

iii. Within five (5) working days of notification to the State Water Board, the Permittee must submit an Accidental Discharge of Hazardous Material Report.

b. Violation of Compliance with Water Quality Standards The Permittee shall notify the State Water Board of any event causing a violation of compliance with water quality standards. Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.

i. Examples of noncompliance events include: lack of stormwater treatment following a rain event, discharges causing a visible plume in a water of the state, and water contact with uncured concrete.

ii. This notification must be followed within three (3) working days by submission of a Violation of Compliance with Water Quality Standards Report.

c. In-Water Work/Dewatering

i. The Permittee shall notify the State Water Board at least forty-eight (48) hours prior to initiating work in water or stream diversions. Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.

ii. Within three (3) working days following completion of work in water or stream diversions, an In-Water Work/Diversions Water Quality Monitoring Report must be submitted to the State Water Board.

iii. A water quality monitoring plan and a dewatering plan must be submitted 30 days prior to the activity for Water Board approval (see C.3 and G.Dewatering below for requirements).

d. Modifications to Project: Project modifications may require an amendment of this Order. The Permittee shall give advance notice to the State Water Board if Project implementation as described in the application materials is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal

regulatory authority by submitting a Modifications to Project Report. The Permittee shall inform the State Water Board of any Project modifications that will interfere with the Permittee's compliance with this Order. Notification may be made in accordance with conditions in the certification deviation section of this Order.

e. Transfer of Property Ownership: This Order is not transferable in its entirety or in part to any person or organization except after notice to the State Water Board in accordance with the following terms:

i. The Permittee must notify the State Water Board of any change in ownership or interest in ownership of the Project area by submitting a Transfer of Property Ownership Report. The Permittee and purchaser must sign and date the notification and provide such notification to the State Water Board at least 10 days prior to the transfer of ownership. The purchaser must also submit a written request to the State Water Board to be named as the permittee in a revised order.

ii. Until such time as this Order has been modified to name the purchaser as the permittee, the Permittee shall continue to be responsible for all requirements set forth in this Order.

f. Transfer of Long-Term BMP Maintenance: If maintenance responsibility for post-construction BMPs is legally transferred, the Permittee must submit to the State Water Board a copy of such documentation and must provide the transferee with a copy of a long-term BMP maintenance plan that complies with manufacturer or designer specifications. The Permittee must provide such notification to the State Water Board with a Transfer of Long-Term BMP Maintenance Report at least 10 days prior to the transfer of BMP maintenance responsibility.

C. Water Quality Monitoring

1. General:

a) If surface water is present, continuous visual surface water monitoring shall be conducted to detect accidental discharge of construction related pollutants (e.g. oil and grease, turbidity plume, or uncured concrete).

b) Visually inspect the Project site during the rainy season until a Letter of Project Complete is issued by the State Water Board to ensure excessive erosion, stream instability, or other water quality pollution is not occurring in or downstream of the Project site. If water quality pollution is occurring, contact the State Water Board within three (3) working days. The State Water Board may require the submission of a Violation of Compliance with Water Quality Standards Report. Additional permits may be required to carry out any necessary site remediation.

2. Accidental Discharges/Noncompliance:

Upon occurrence of an accidental discharge of hazardous materials or a violation of compliance with a water quality standard, the State Water Board may require water

quality monitoring based on the discharge constituents and/or related water quality objectives and beneficial uses.

3. In-Water Work or Diversions:

For projects involving planned work in-water or stream diversions, a water quality monitoring plan shall be submitted to the State Water Board for acceptance at least 30 days in advance of any discharge to the affected water body. Water quality monitoring shall be conducted in accordance with the approved plan. At a minimum, this plan shall include monitoring of the following constituents: dissolved oxygen, oil and grease, pH, specific conductance, settleable material, water temperature, and turbidity. The plan shall specify suitable locations, type of sample (e.g. visual inspection, grab sample, continuous flow through monitor), frequencies and methods as necessary to demonstrate that regional water quality objectives are met.

The Water Quality monitoring plan shall, for all water diversions, specify sampling locations upstream and downstream of dewatered areas and shall specify that monitoring be conducted before, during, and after diversion installation, diversion removal, dewatering, and rewatering activities to ensure that regional water quality objectives are met. The plan shall specify and the Permittee shall ensure that qualified individuals with sufficient education and experience in water quality monitoring methods and result interpretation conduct this monitoring.

D. Standard

1. This Order is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to Water Code section 13330, and California Code of Regulations, title 23, chapter 28, Article 6 commencing with section 3867. Additionally, the State Water Board reserves the right to suspend, cancel, or modify and reissue this Order, after providing notice to the Permittee, if the State Water Board determines that: the Project fails to comply with any of the conditions of this Order; or, when necessary to implement any new or revised water quality standards and implementation plans adopted or approved pursuant to the Porter-Cologne Water Quality Control Act (Wat. Code, § 13000 et seq.) or federal Clean Water Act section 303 (33 U.S.C. § 1313). For purposes of Clean Water Act section 401(d), the condition constitutes a limitation necessary to assure compliance with water quality standards and appropriate requirements of state law.

2. This Order is not intended and shall not be construed to apply to any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license, unless the pertinent certification application was filed pursuant to subsection 3855(b) of chapter 28, title 23 of the California Code of Regulations, and that application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.

3. This Order is conditioned upon total payment of any fee required under title 23 of the California Code of Regulations and owed by the Permittee.

4. In the event of any violation or threatened violation of the conditions of this Order, the violation or threatened violation shall be subject to any remedies, penalties, process, or sanctions as provided for under state and federal law. For purposes of Clean Water Act,

section 401(d), the applicability of any state law authorizing remedies, penalties, processes, or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this Order.

E. General Compliance

1. Failure to comply with any condition of this Order shall constitute a violation of the Porter-Cologne Water Quality Control Act and the Clean Water Act. The Permittee and/or discharger may then be subject to administrative and/or civil liability pursuant to Water Code section 13385.

2. Permitted actions must not cause a violation of any applicable water quality standards, including impairment of designated beneficial uses for receiving waters as adopted in the Basin Plans by any applicable Regional Water Board or any applicable State Water Board (collectively Water Boards) water quality control plan or policy. The source of any such discharge must be eliminated as soon as practicable.

3. In response to a suspected violation of any condition of this Order, the State Water Board may require the holder of this Order to furnish, under penalty of perjury, any technical or monitoring reports the Water Boards deem appropriate, provide that the burden, including costs, of the reports shall bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports. The additional monitoring requirements ensure that permitted discharges and activities comport with any applicable effluent limitations, water quality standards, and/or other appropriate requirement of state law.

4. The Permittee must, at all times, fully comply with engineering plans, specifications, and technical reports submitted to support this Order; and all subsequent submittals required as part of this Order. The conditions within this Order and Attachments supersede conflicting provisions within Permittee submittals.

5. This Order and all of its conditions contained herein continue to have full force and effect regardless of the expiration or revocation of any federal license or permit issued for the Project. For purposes of Clean Water Act, section 401(d), this condition constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements of state law.

6. The Permittee shall adhere to all mitigation monitoring and reporting program (MMRP) requirements set forth in the MND, which is incorporated herein by reference.

7. Construction General Permit Requirement

a. The Permittee shall comply with the NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order No. 2009-0009-DWQ; NPDES No. CAS000002, or subsequent reissuances).

F. Administrative

1. Signatory requirements for all document submittals required by this Order are presented in Attachment D of this Order.

2. This Order does not authorize any act which results in the taking of a threatened, endangered or candidate species or any act, which is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish & G. Code, §§ 2050-2097) or the federal Endangered Species Act (16 U.S.C. §§ 1531-1544). If a "take" will result from any act authorized under this Order held by the Permittee, the Permittee must obtain authorization for the take prior to any construction or operation of the portion of the Project that may result in a take. The Permittee is responsible for meeting all requirements of the applicable endangered species act for the Project authorized under this Order.

3. The Permittee shall grant the State Water Board, the San Francisco Bay Regional Water Quality Control Board and the Central Valley Regional Water Quality Control Board, or an authorized representative (including an authorized contractor acting as a Water Board representative), upon presentation of credentials and other documents as may be required by law, permission to:

a. Enter upon the Project or compensatory mitigation site(s) premises where a regulated facility or activity is located or conducted, or where records are kept.

b. Have access to and copy any records that are kept and are relevant to the Project or the requirements of this Order.

c. Inspect any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order.

d. Sample or monitor for the purposes of assuring Order compliance.

4. A copy of this Order shall be provided to any consultants, contractors, and subcontractors working on the Project. Copies of this Order shall remain at the Project site for the duration of this Order. The Permittee shall be responsible for work conducted by its consultants, contractors, and any subcontractors.

5. A copy of this Order must be available at the Project site(s) during construction for review by site personnel and agencies. All personnel performing work on the Project shall be familiar with the content of this Order and its posted location at the Project site.

6. Lake and Streambed Alteration Agreement – The Permittee shall submit a signed copy of the Department of Fish and Wildlife's lake and streambed alteration agreement to the State Water Board immediately upon execution and prior to any discharge to waters of the state.

G. Construction

Dewatering

a) If the Project requires dewatering or diversion within the boundaries of a water of the state, the Permittee shall submit a dewatering/diversion plan to the State Water Board for approval at least thirty (30) days prior to any dewatering or diversion. Dewatering or diversion shall not commence until Permittee has obtained State Water Board approval of the dewatering/diversion plan.

b) Dewatering/diversion plans shall include the area to be dewatered/diverted, timing of dewatering/diversion, and method of dewatering/diversion to be implemented. All temporary dewatering/diversion methods shall be designed to have the minimum necessary impacts to waters of the state. All dewatering/diversion facilities shall be

installed such that natural flow is maintained upstream and downstream of the project area. Any temporary dams or diversions shall be installed such that the dewatering/diversion does not cause sedimentation, siltation, or erosion upstream or downstream of the project area.

c) Dewatering facilities shall be removed when active construction has been completed in the channel, unless otherwise approved by the State Water Board.

Good Site Management "Housekeeping"

a) Except for temporary stockpiling of waste materials generated during construction operations ("temporary" in this instance means generated and removed during the same working day), waste materials shall not be placed where the materials may be washed by rainfall, or otherwise discharged into waters of the state.

b) Operation and storage of vehicles and equipment shall not result in a discharge that causes or contributes to a violation of any water quality standard. All vehicles and equipment using gas, oil, hydraulic fluid, or other petroleum products shall be inspected for leaks prior to use and shall be monitored for leakage. At no time shall the Permittee use any vehicle or equipment that leaks any substance that may impact water quality. Staging and storage areas for vehicles and equipment shall be located outside of waters of the state.

c) Equipment working in delineated waters, including in areas protected by diversions, shall be removed from the delineated waters for fueling or service including maintenance whenever feasible. When use of stationary equipment that would require refueling or service in delineated waters is planned, BMPs for managing the additional risk posed by that refueling and service shall be developed and presented to the State Water Board staff for approval. Such BMPs should include any precautions as necessary to ensure potential spills and leaks do not result in a discharge into waters of the state

d) All work performed within waters of the state shall be completed in a manner that minimizes impacts to beneficial uses and habitat; measures shall be employed to minimize disturbances along the channel that could cause or contribute to a violation of a water quality standard within waters of the state. Disturbance or removal of vegetation shall not exceed the minimum necessary to complete Project implementation.

e) Where impacts have not been authorized, construction equipment, vehicles, and personnel must not enter waters of the state.

f) The Permittee shall oversee the work of the contractor during implementation of the Project, to ensure that the work is being done in accordance with the Project plans.

g) All construction-related equipment, materials, and any temporary BMPs no longer needed, shall be removed from the site upon completion of the Project except as required by the Construction General Permit.

h) All waste materials generated by Project activities shall be removed from the site and disposed of properly.

i) All imported riprap, rocks, and gravels used for construction shall be pre-washed.

j) When operations are completed, any excess material or debris shall be removed from the work area.

Hazardous Materials

a) Raw cement, concrete (or washing thereof), asphalt, drilling fluids, lubricants, paints, coating material, oil, petroleum products, or any other substances which could be hazardous to fish and wildlife resulting from or disturbed by project-related activities, shall be prevented from contaminating fill material and/or entering waters of the state.

b) Construction personnel shall be familiar with how to use the cleanup materials and the contents of the spill prevention and response plan.

c) Onsite containment for storage of chemicals classified as hazardous shall include effective secondary containment.

Invasive Species and Soil Borne Pathogens

a) Any imported fill material must be free of weed and invasive species seeds and live plants.

b) Equipment and machinery used in Project construction shall be inspected and cleaned of non-native invasive vegetation prior to on-site use.

In-Water Work

a) The Permittee shall not use or allow the use of erosion control products that contain synthetic materials within waters of the state at any time, with the exception of plastic sheeting used in water diversion and dewatering activities. The Permittee shall first request approval from the State Water Board if an exception from this requirement is needed for a specific location.

b) When work within waters of the state is necessary, the entire stream flow shall be diverted around the work area.

c) Any Project generated debris falling into waters of the state will immediately be retrieved and disposed of at an appropriately permitted upland site.

d) Storm drain lines/culverts, outfall structures, and other water body crossing structures must be properly aligned within the water body and otherwise engineered, installed, and maintained, to assure resistance to washout, and to prevent erosion and/or fill of the water body. Water velocity shall be dissipated at outfalls to reduce erosion

Post-Construction Stormwater Management

a) The applicant must comply with all measures of the applicable Caltrans Statewide NPDES permit.

Special Status Species

a) The Permittee shall obtain necessary state and federal permits pertaining to special status species that may be affected by the Project.

b) The Permittee shall adhere to the terms and conditions contained in the 2015 Biological Opinion of the U.S. Fish and Wildlife Service: Formal Consultation on the Interstate 80 Express Lanes Project, Solano County, California (Caltrans EA 2A332).

c) The Permittee shall adhere to the measures and Additional BMPs (ABMPs) contained in the 2013 Programmatic Biological Opinion of National Marine Fisheries Service: Caltrans' Routine Maintenance and Repair Activities Program in Caltrans' Districts 1, 2, and 4, located in northern and central California.

Stabilization/Erosion Control

a) Erosion and sediment control materials shall be on site prior to the start of construction and kept on site at all times so they are immediately available for installation in anticipation of rain events.

b) Effective erosion and sediment control BMPs shall be used for all disturbed areas.

c) Silt control structures shall be installed and maintained for effectiveness at least forty-eight (48) hours before a rain event and shall be repaired or replaced as needed. Buildup of soil behind silt fences shall be removed and any breaches or undermined areas repaired.

d) All areas of ground disturbance within the Project site shall have effective erosion and sediment control measures both during, and after completion of construction. The Permittee shall implement an effective combination of erosion and sediment control measures during all periods of construction at the site.

e) Disturbed work areas within waters of the state must be temporarily stabilized to prevent erosion at least 48 hours prior to the predicted commencement of a rainfall event that is forecast to bring greater than or equal to one-half inch of precipitation with a greater than a 50 percent probability of occurrence, as predicted by the National Oceanic and Atmospheric Administration (NOAA) - National Weather Service. If the predicted commencement of such a rainfall event is less than 48 hours after the prediction is issued, temporary stabilization of the disturbed in-water work areas must begin immediately.

f) All erosion control materials must be biodegradable and weed free, unless explicitly authorized otherwise by the State Water Board.

g) Stockpiles of excavated material shall be stabilized to ensure no discharge to waters of the state.

Total Maximum Daily Load (TMDL)

a) Project activities must not contribute to an exceedance of wasteload allocations within any waters with TMDLs.

H. Mitigation for Temporary Impacts

1. The Permittee shall restore all areas of temporary impacts to waters of the state and all Project site upland areas of temporary disturbance which could result in a discharge of waste to waters of the state as described in a restoration plan. The restoration plan shall be submitted for written acceptance by the State Water Board at least 60 days prior to

any Project related ground disturbing activities. The restoration plan shall provide the following: a schedule; plans for grading of disturbed areas to pre-project contours; planting palette with plant species native to the Project area; seed collection location; invasive species management; performance standards; and maintenance requirements (e.g. watering, weeding, and replanting).

2. The State Water Board may extend the monitoring period beyond requirements of the restoration plan upon a determination by State Water Board Executive Director, or designee, that the performance standards have not been met or are not likely to be met within the monitoring period.

3. If restoration of temporary impacts to waters of the state is not completed within one year of the impacts, compensatory mitigation may be required to offset temporal loss of waters of the state.

Table 4: Required Project Mitigation Quantity for Temporary Impacts

Aquatic Resource Type	Mit. Type[5]	Units	Method[6]					
			Est.	Re-est.	Reh.	Enh.	Pres.	Unknown
Stream Channel	PR	Acres			0.40			
Stream Channel	PR	LF			7,809			

I. Compensatory Mitigation for Permanent Impacts[7]

1. Compensatory Mitigation Plan

a. The Permittee shall provide a compensatory mitigation plan for the written acceptance by the State Water Board at least 90 days prior to impacts to waters of the state. Upon acceptance by the State Water Board, the Permittee shall implement the approved plan.

b. Impacts to waters of the state are not authorized and shall not occur until a compensatory mitigation plan has been approved by the State Water Board.

c. The final compensatory mitigation plan shall include all applicable plan elements as outlined in 40 CFR § 230.94(c).

[5] Mitigation type for onsite restoration of temporary impacts is Permittee Responsible (PR).

[6] Methods: establishment (Est.), reestablishment (Re-est.), rehabilitation (Reh.), enhancement (Enh.), preservation (Pres.). Unknown applies to advance credits with an unknown method and or location.

[7] Compensatory Mitigation is for permanent physical loss and permanent ecological degradation of a water of the state.

d. Permittees fulfilling their compensatory mitigation obligations by securing credits from an approved mitigation bank or in-lieu fee program, need only include the items described in 40 CFR § 230.94(c)(5)-(6), and the name of the specific mitigation bank or in-lieu fee program to be used.

2. Financial Assurances

The State Water Board requires that sufficient financial assurances for compensatory mitigation be in place prior to the issuance of a water quality Order to ensure that water quality standards are met (40 C.F.R. § 121.2; Cal. Code Regs., tit. 23, § 3831, subd. (u)). Financial assurances are normally held by a financial institution as an obligation that may be drawn upon by permitting agencies in the event that the Permittee fails to meet the compensatory mitigation requirements. However, in cases involving federal or state agencies that do not have the authority to obtain such financial assurances, an alternative mechanism in the form of a letter of commitment is available to ensure a high level of confidence that compensatory mitigation will be provided and maintained. Since Caltrans is a state agency, the State Water Board will rely on their long-term project funding sources to provide the necessary compensatory mitigation to protect state waters. As such, a compensatory mitigation commitment letter will serve as a sufficient financial assurance.

a. The Permittee shall submit an approved mitigation commitment letter as part of the final compensatory mitigation plan.

b. By this letter, the Permittee shall commit to spend the amount necessary to implement and maintain the compensatory mitigation required under this Order. This letter shall be signed by the project manager and contain the following information:

- **i.** Proposed amount of permanent impacts that will require compensatory mitigation.
- **ii.** Anticipated method of compensatory mitigation (in-lieu fee, mitigation bank, or permittee responsible) and location, if known.
- **iii.** Anticipated mitigation to impact ratio (this varies based on mitigation type and location).
- **iv.** Project funds programmed (allocated) to cover compensatory mitigation costs.

3. Permittee-Responsible Compensatory Mitigation Responsibility

a. If the final compensatory mitigation plan includes permittee responsible mitigation, the following conditions shall apply.

b. Permittee responsible compensatory mitigation installation shall be completed within 90 days of authorized impacts.

c. The Permittee shall be responsible for the required compensatory mitigation in perpetuity. However, the Permittee may transfer the compensatory mitigation requirements associated with long-term management when the following conditions have been met:

i. Performance standards are met.

ii. A Transfer Agreement to a third party has been approved by the State Water Board.

iii. An endowment fund has been provided by the Permittee to a third party for management in perpetuity of the mitigation site.

iv. A conservation easement, deed restriction, or other appropriate restrictive covenant for the mitigation site has been recorded and approved by the State Water Board.

d. Transfer of Long-Term Permittee-Responsible Compensatory Mitigation and Management Responsibility

i. A transfer agreement shall be submitted from an authorized representative of the new party (transferee) for acceptance the by State Water Board. This agreement shall demonstrate acceptance and understanding of the responsibility to comply with and fully satisfy the required compensatory mitigation and long-term management conditions. Failure to comply with the mitigation conditions and associated requirements may subject the transferee to enforcement by the State Water Board under Water Code section 13385, subdivision (a).

ii. Notification of transfer of responsibilities meeting the above condition must be provided to the State Water Board. A draft transfer agreement is due to State Water Board no less than thirty (30) days prior to the transfer of the mitigation responsibility. A final transfer agreement is due to the State Water Board within 30 days of the completion of the transfer.

4. Purchase of Mitigation Credits by Permittee for Compensatory Mitigation

a. If the final compensatory mitigation plan includes purchase of mitigation credits, the following conditions shall apply.

b. A copy of the fully executed agreement for the purchase of mitigation credits shall be provided to the State Water Board within 90 days of authorized impacts.

c. The Permittee shall retain responsibility for providing the compensatory mitigation and long-term management until the State Water Board has received documentation of the credit purchase and the transfer agreement between the Permittee and the seller of credits.

5. Total Compensatory Mitigation Obligation

a. Total required Project compensatory mitigation information for permanent physical loss of area and ecological degradation will be in accordance with the approved Final Compensatory Mitigation Plan.

b. Upon approval of the Final Compensatory Mitigation Plan by the State Water Board, this Order shall be amended to include a description of the amount and type(s) of compensatory mitigation provided by the Permittee.

J. Certification Deviation

1. Minor modifications of Project locations or predicted impacts may be necessary as a result of unforeseen field conditions, necessary engineering re-design, construction

concerns, or similar reasons. Some of these prospective Project modifications may have impacts on water resources. Some modifications of Project locations or predicted impacts may qualify as Certification Deviations as set forth in Attachment E. For purposes of this Certification, a "Certification Deviation" is a Project locational or impact modification that does not require an immediate amendment of the Order, because the State Water Board has determined that any potential water resource impacts that may result from the change are sufficiently addressed by the Order conditions and the CEQA Findings. After the termination of construction, this Order will be formally amended to reflect all authorized Certification Deviations and any resulting adjustments to the amount of water resource impacts and required compensatory mitigation amounts.

2. A Project modification shall not be granted a Certification Deviation if it warrants or necessitates changes that are not addressed by the Order or the CEQA environmental document. In this case a supplemental environmental review and different Order will be required.

XV. Water Quality Certification

I hereby issue the Order for the I-80 Express Lanes Project, (SB17041IN) certifying that as long as all of the conditions listed in this Order are met, any discharge from the referenced Project will comply with the applicable provisions of Clean Water Act sections 301 (Effluent Limitations), 302 (Water Quality Related Effluent Limitations), 303 (Water Quality Standards and Implementation Plans), 306 (National Standards of Performance), and 307 (Toxic and Pretreatment Effluent Standards).

The State Water Board will file a Notice of Determination (NOD) at the SCH within five (5) working days of issuance of this Order.

Except insofar as may be modified by any preceding conditions, all Order actions are contingent on: (a) the discharge being limited and all proposed mitigation being completed in strict compliance with the conditions of this Order and the attachments to this Order; and, (b) compliance with all applicable requirements of Statewide Water Quality Control Plans and Policies, the Regional Water Boards' Water Quality Control Plans and Policies.

Eileen Sobeck
Executive Director
State Water Resources Control Board

Date

Attachment A	Project Maps
Attachment B	Receiving Waters, Impact, and Mitigation Information
Attachment C	CEQA Findings of Facts
Attachment D	Signatory Requirements
Attachment E	Certification Deviation Procedures
Attachment F	Report and Notification Requirements

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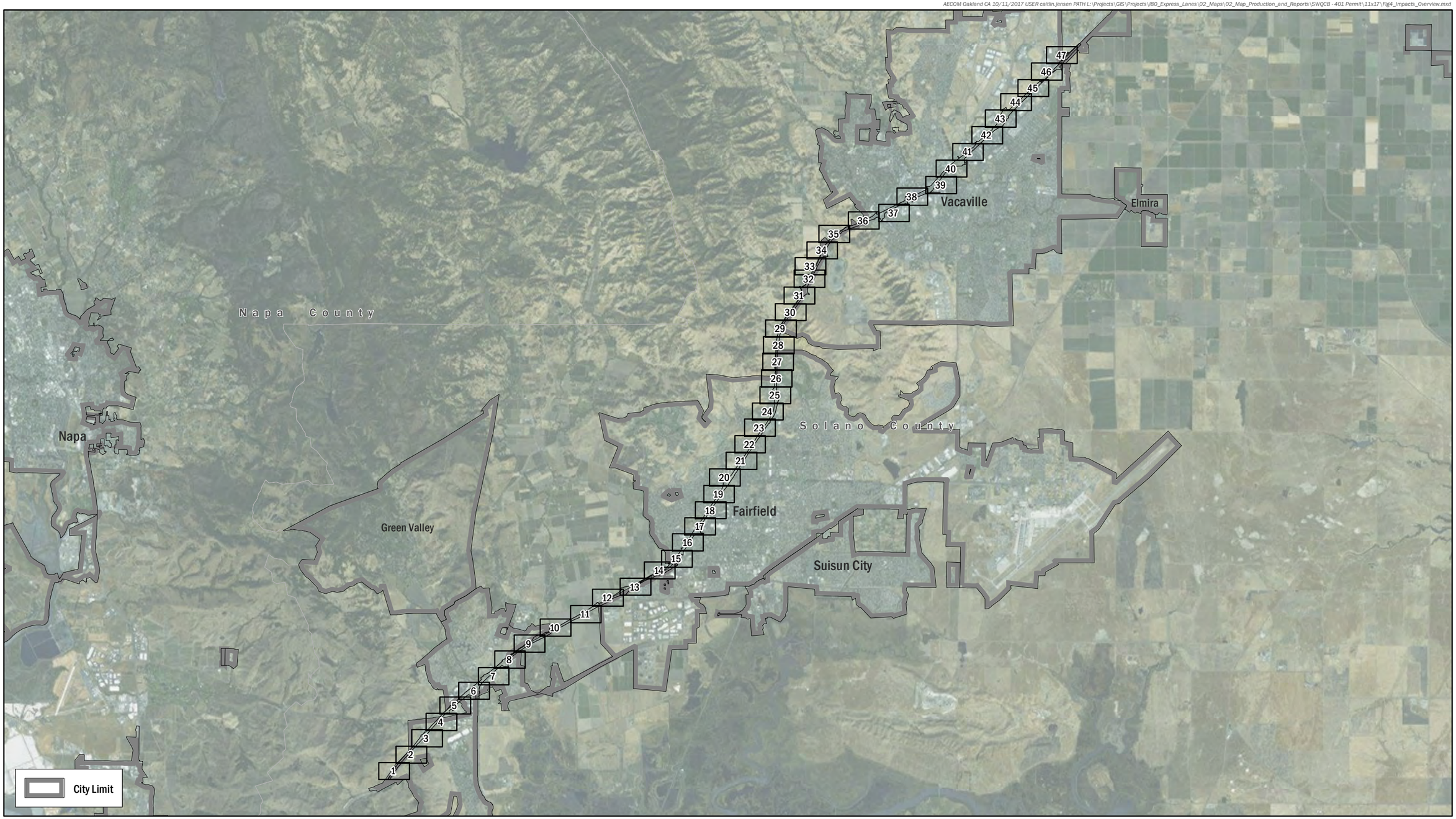
AECOM Oakland CA 10/11/2017 USER caitlin.jensen PATH L:\Projects\GIS\Projects\I80_Express_Lanes\02_Maps\02_Map_Production_and_Reports\SWQCB - 401 Permit\11x17\Fig4_Impacts_Overview.mxd



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DATA SOURCE
ESRI Imagery, 2017; Wetland Delineation Survey, AECOM 2016

MAP PREPARED BY:
AECOM Caitlin Jensen, 10/11/2017

PROJECTION
NAD 1983 StatePlane California II FIPS 0402 Feet

Solano Transportation Authority
I-80 Express Lanes

FIGURE 12: OVERVIEW
Impacts

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Feet
1 inch = 200 feet

Impacts

Permanent
- Drainage Extension
- Structure (Hardscape)

Temporary
- Construction (Staging, Access, & Disturbance)
- Biofiltration Feature
- Detention Basin

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- Other Waters of the U.S.
- Top-of-bank
- Information Not Provided

- Project Footprint

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FIGURE 12
Impacts
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I-80 Express Lanes

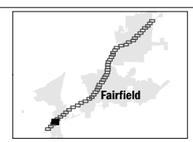

FIGURE 12
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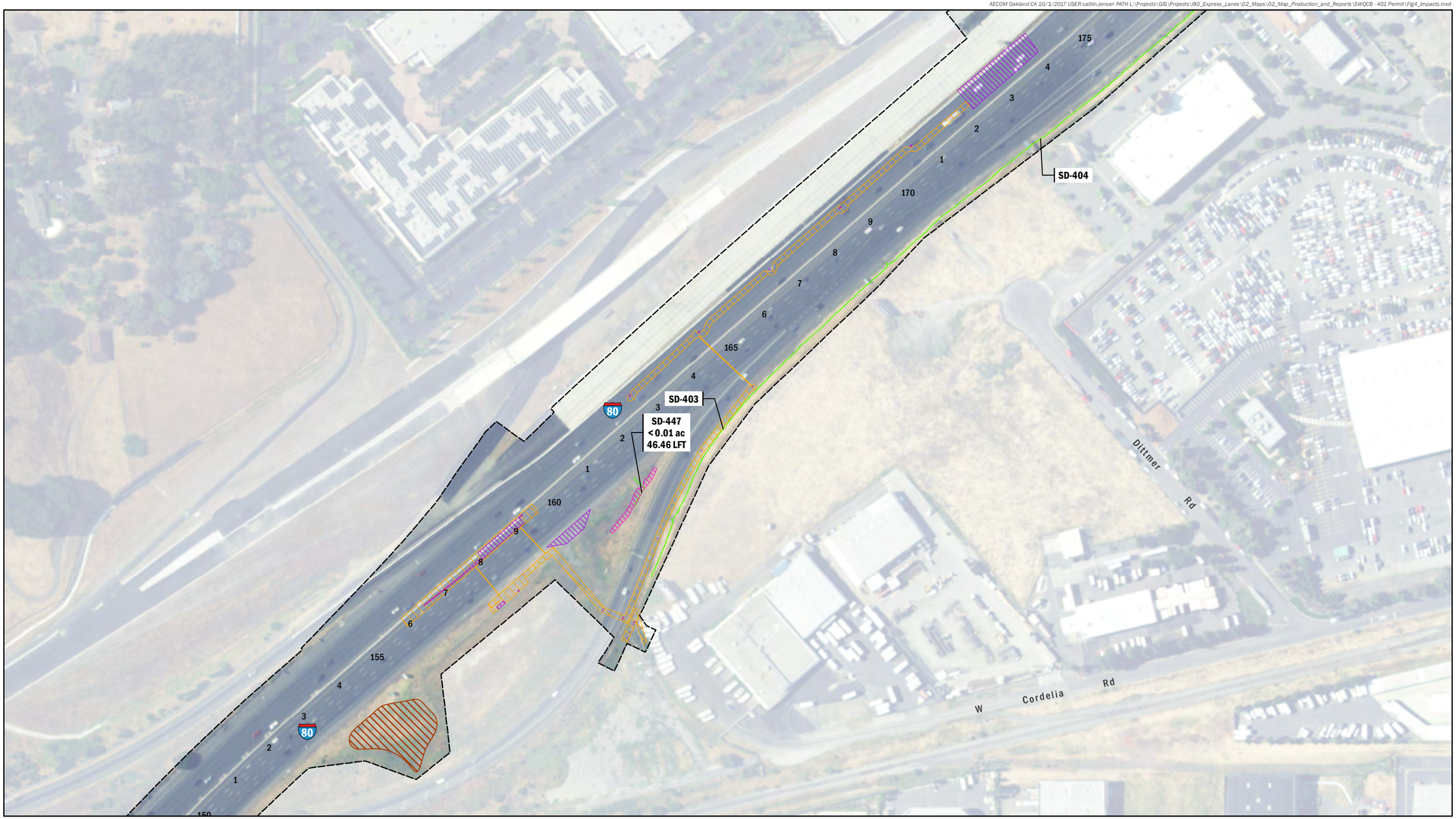

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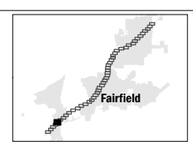

FIGURE 12
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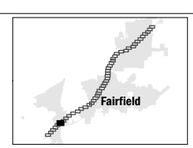

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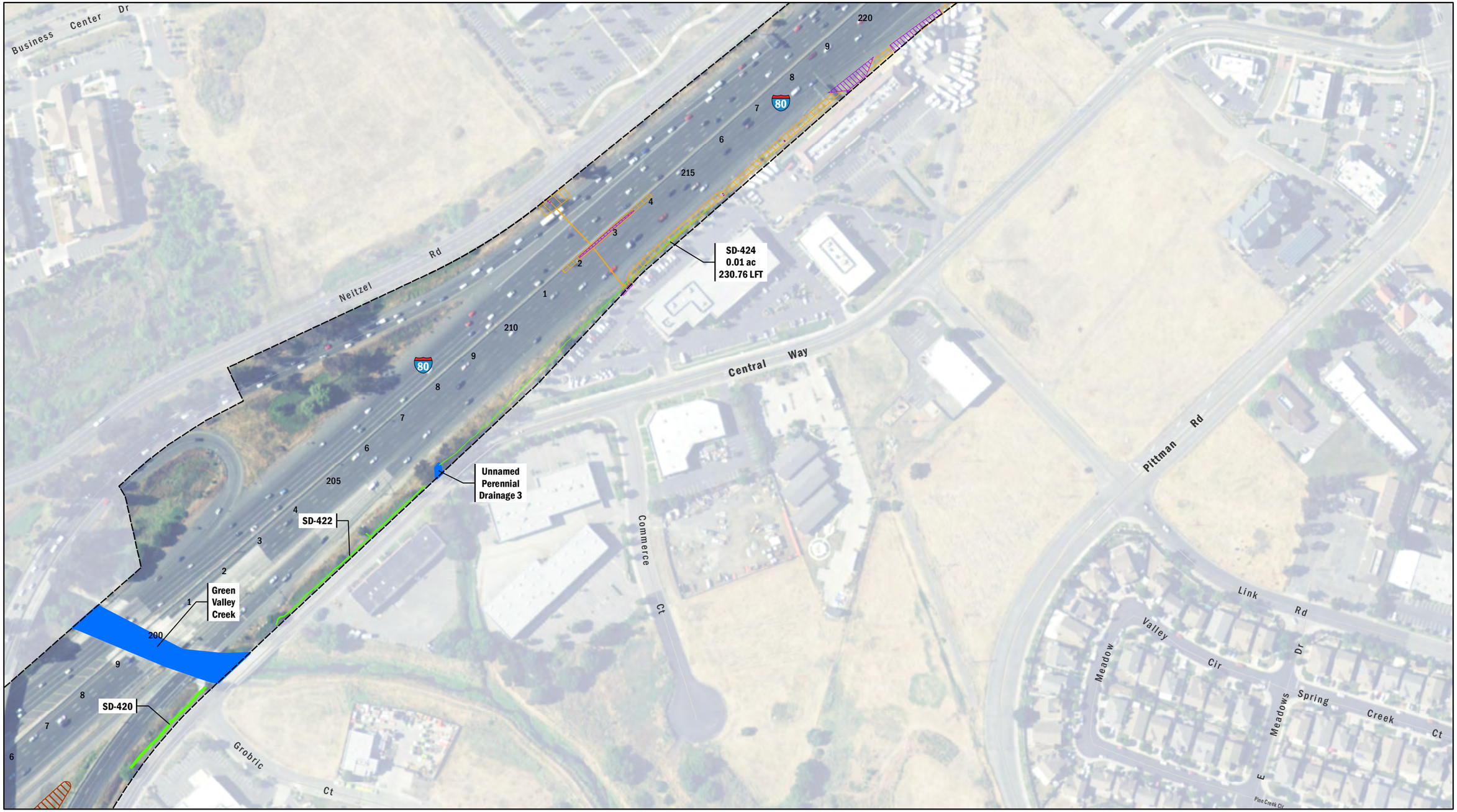

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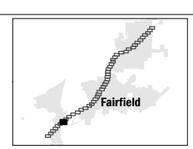

FIGURE 12

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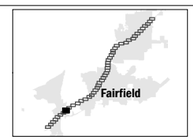

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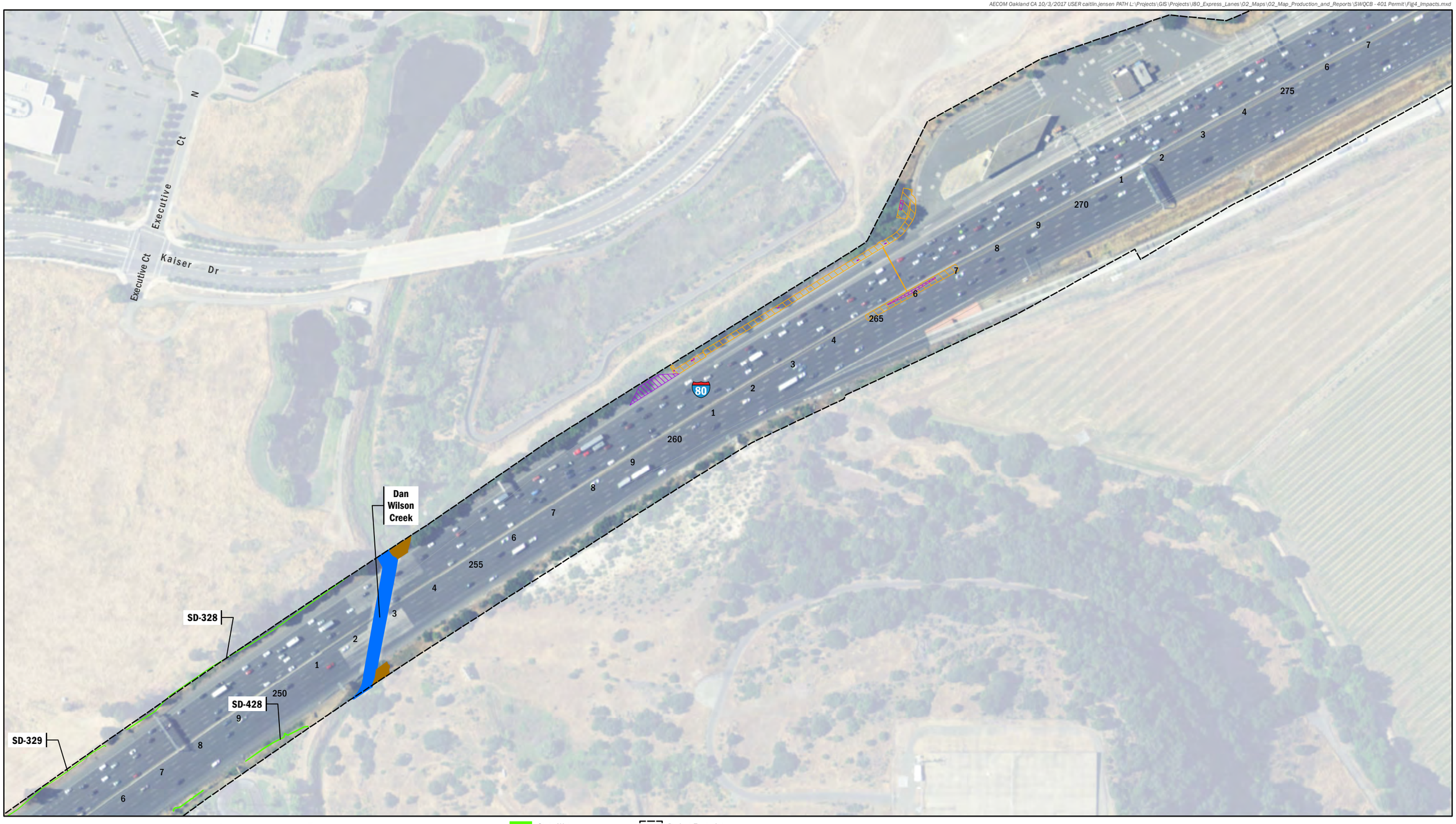

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PROJECTION
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FIGURE 12

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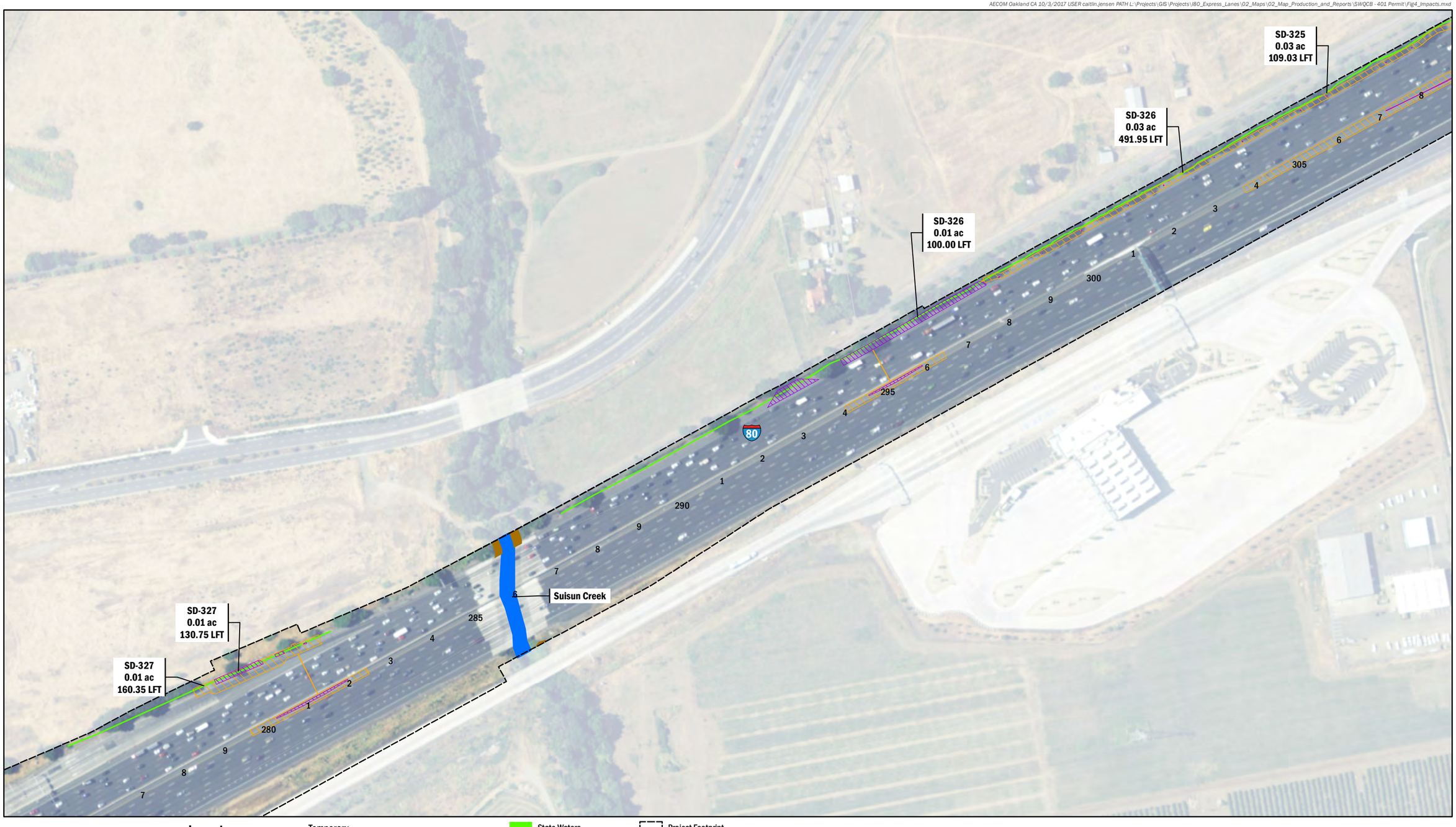
Page 9 of 47



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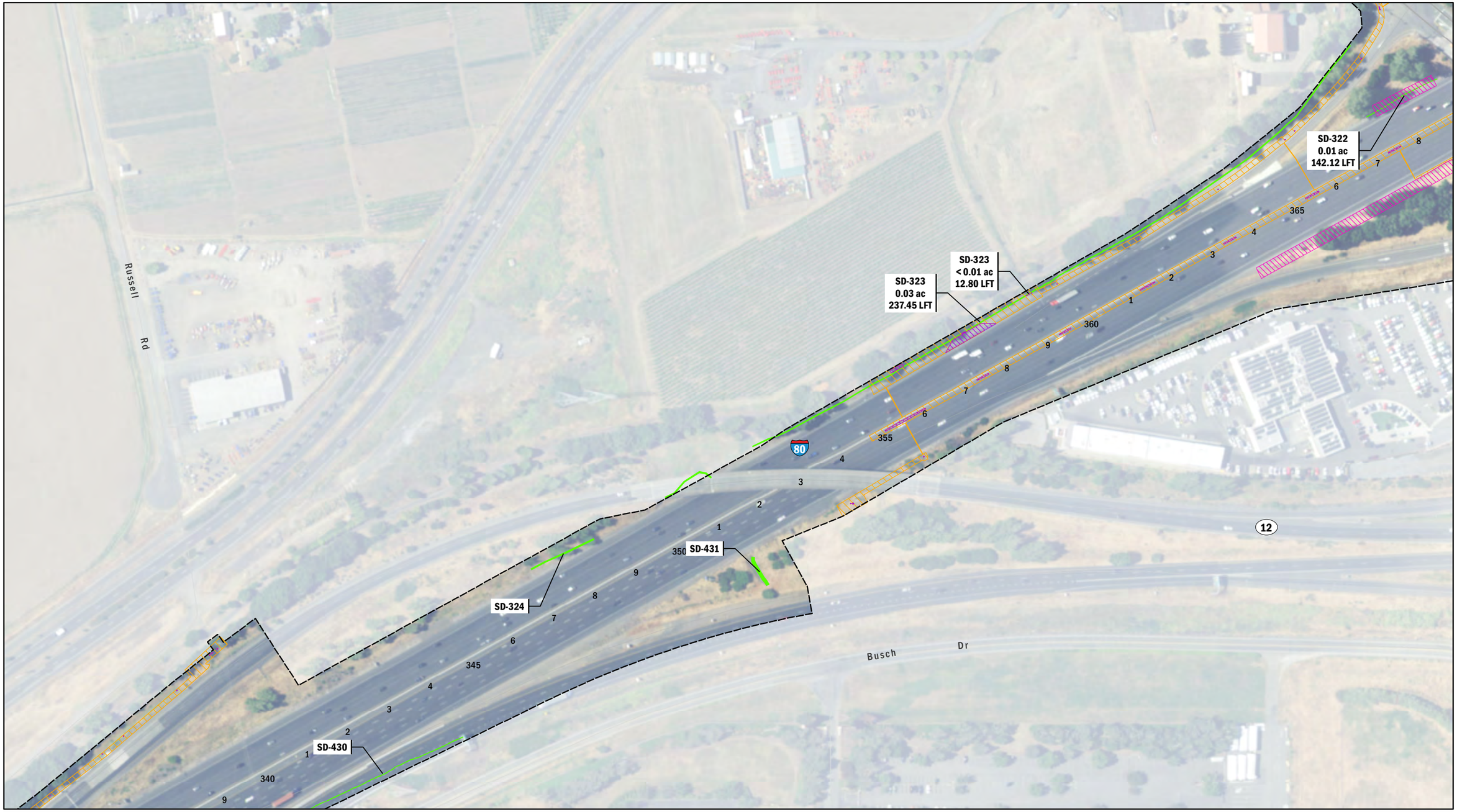

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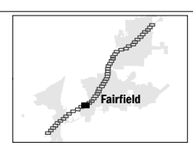

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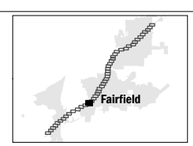

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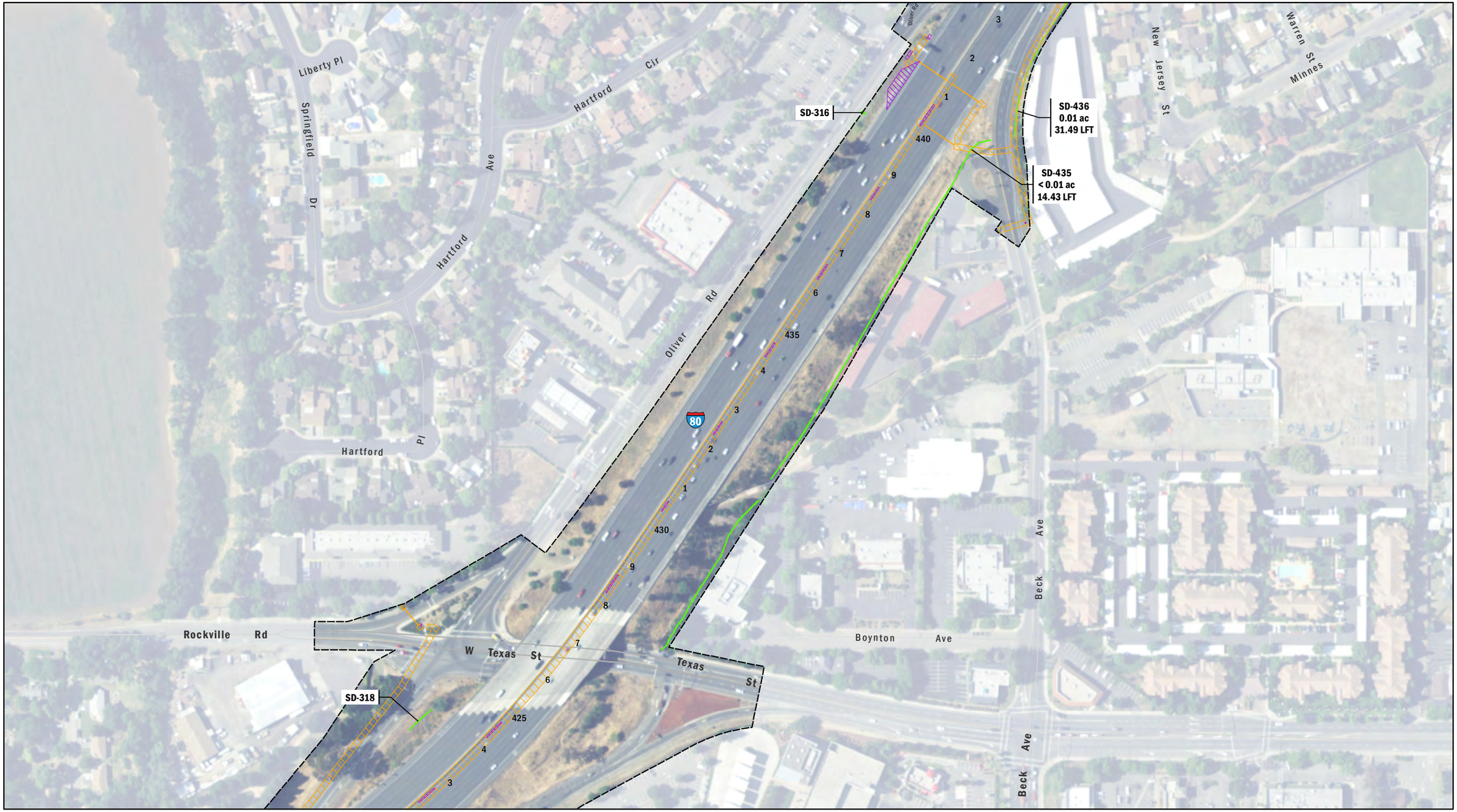

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Impacts
Page 15 of 47

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PROJECTION
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Solano Transportation Authority
I-80 Express Lanes

FIGURE 12
Impacts
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0 200
Feet
1 inch = 200 feet

Impacts

Permanent
- Drainage Extension
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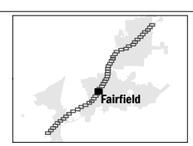

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Solano Transportation Authority
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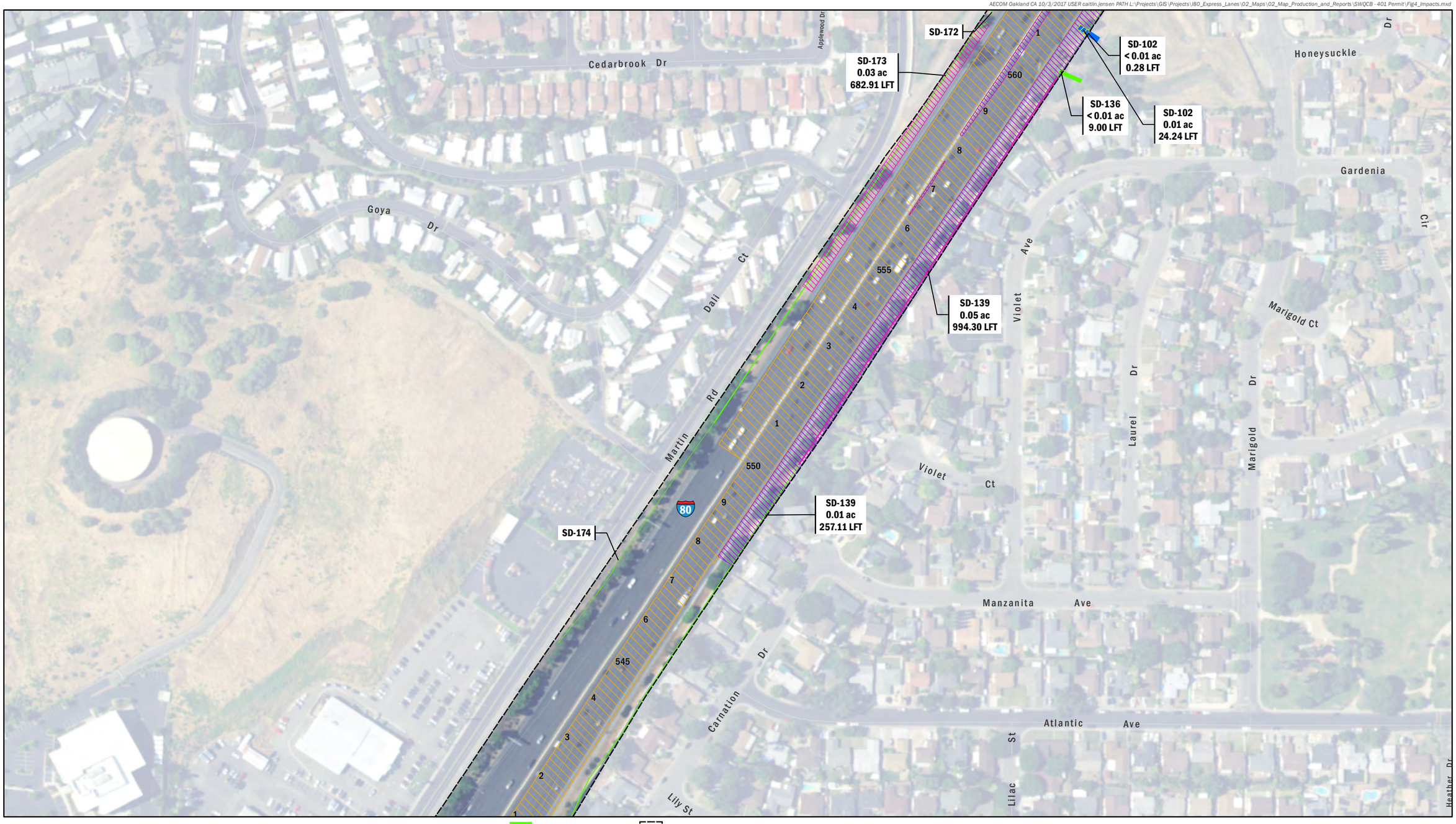
FIGURE 12
Impacts
Page 20 of 47



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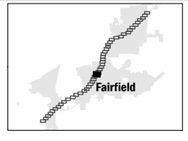

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Solano Transportation Authority
I-80 Express Lanes

FIGURE 12

Impacts
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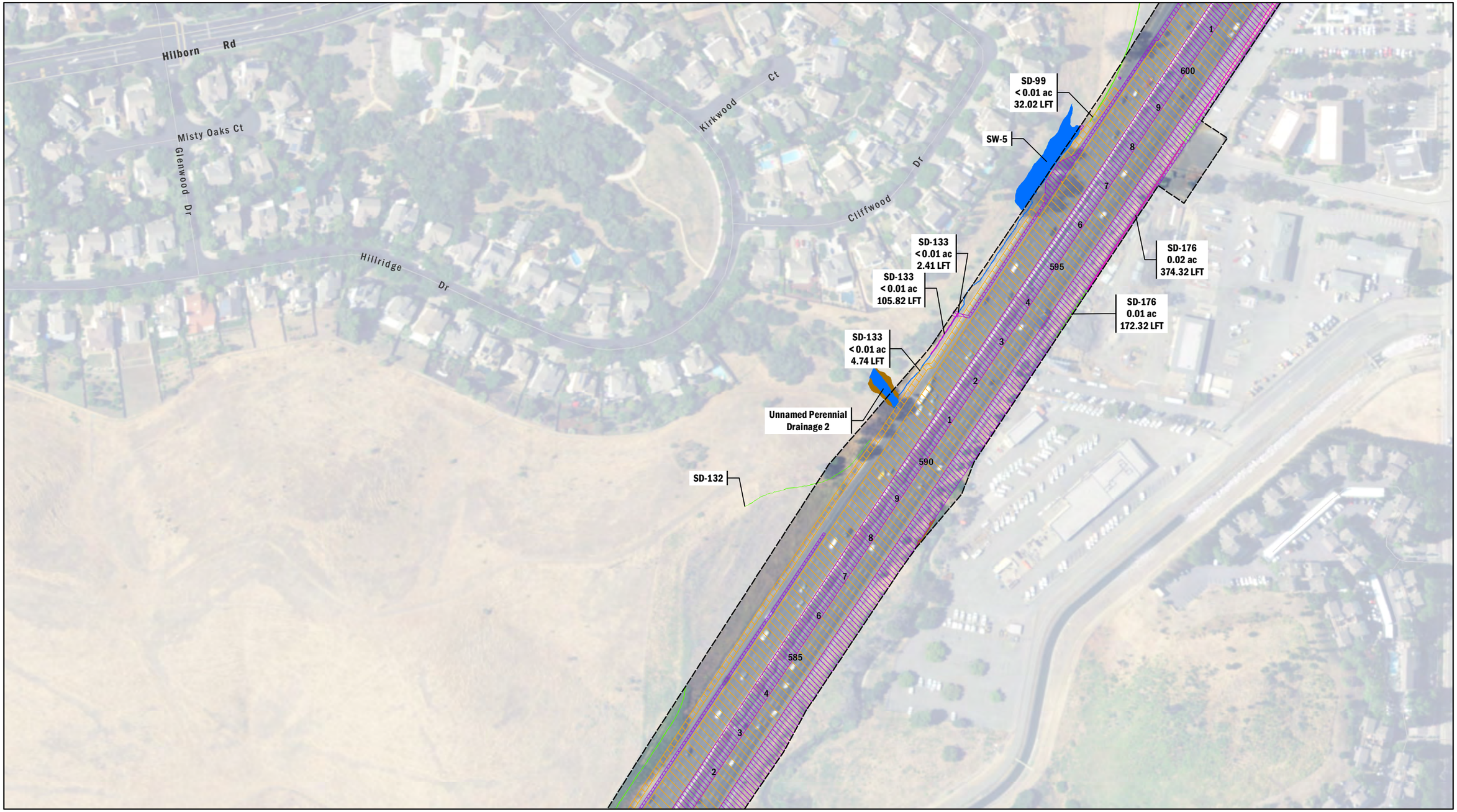

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FIGURE 12
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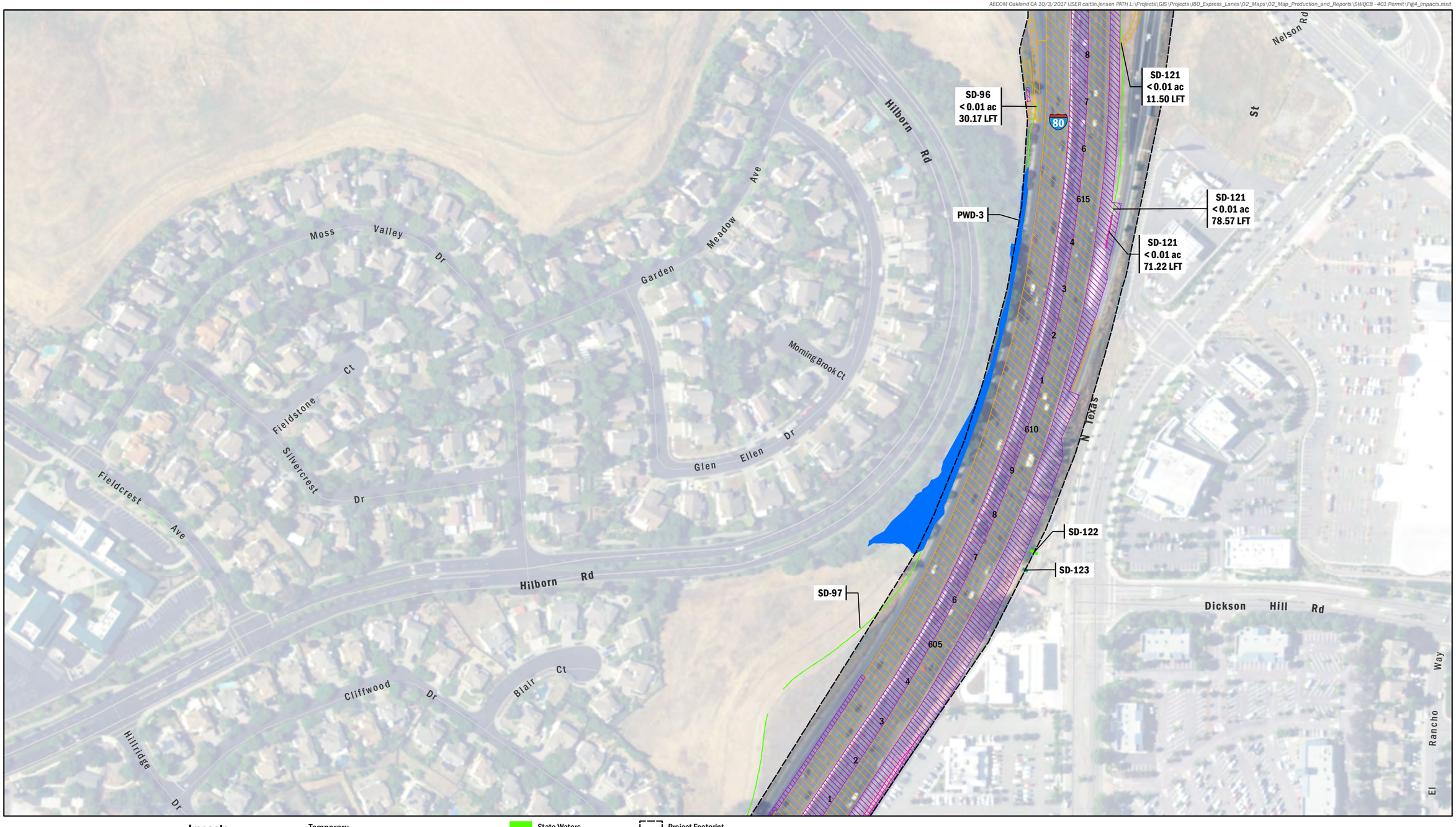

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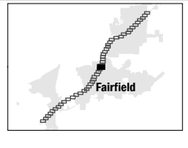
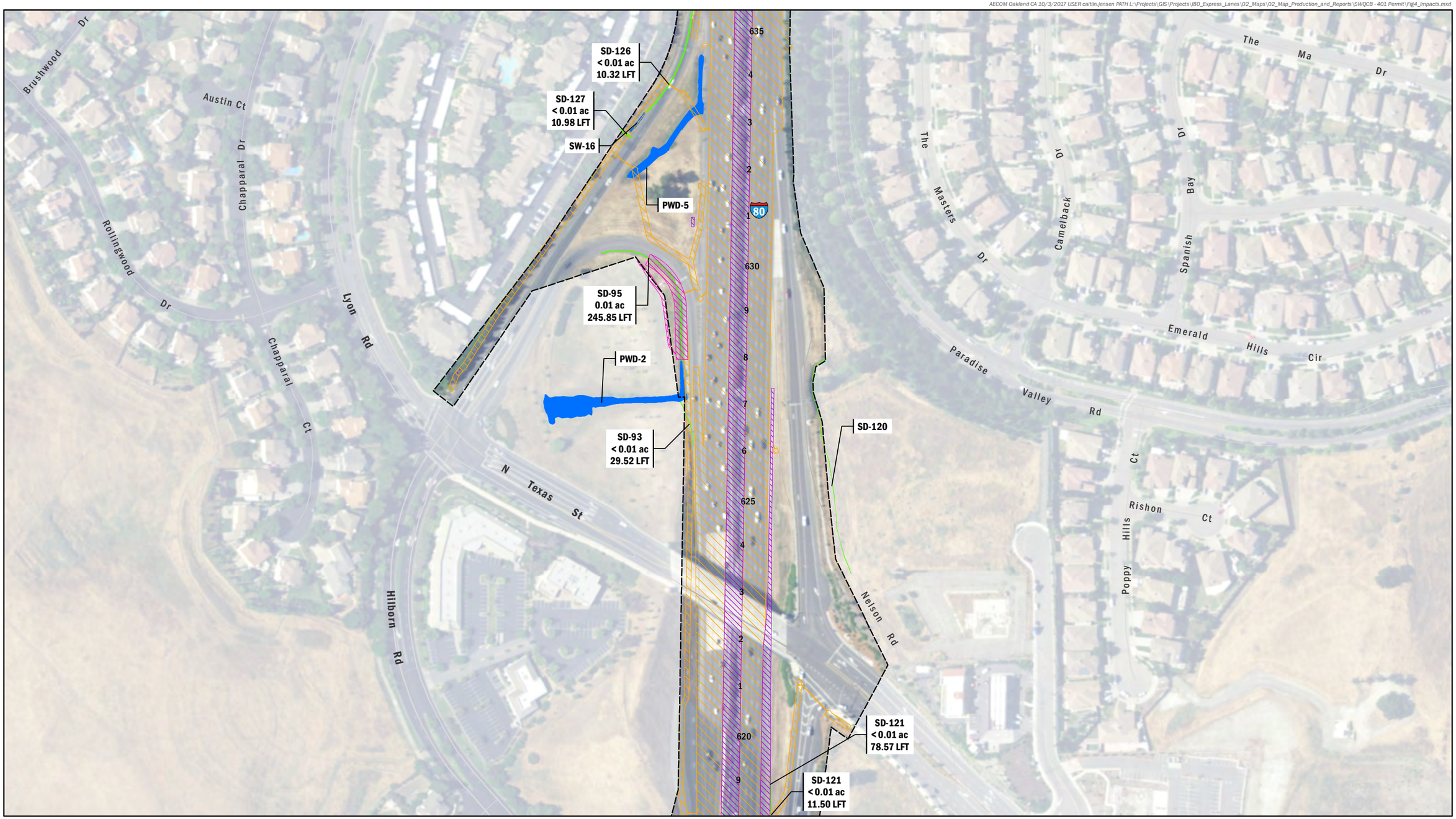


FIGURE 12

Impacts
Page 24 of 47



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Solano Transportation Authority
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FIGURE 12
Impacts
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FIGURE 12
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FIGURE 12
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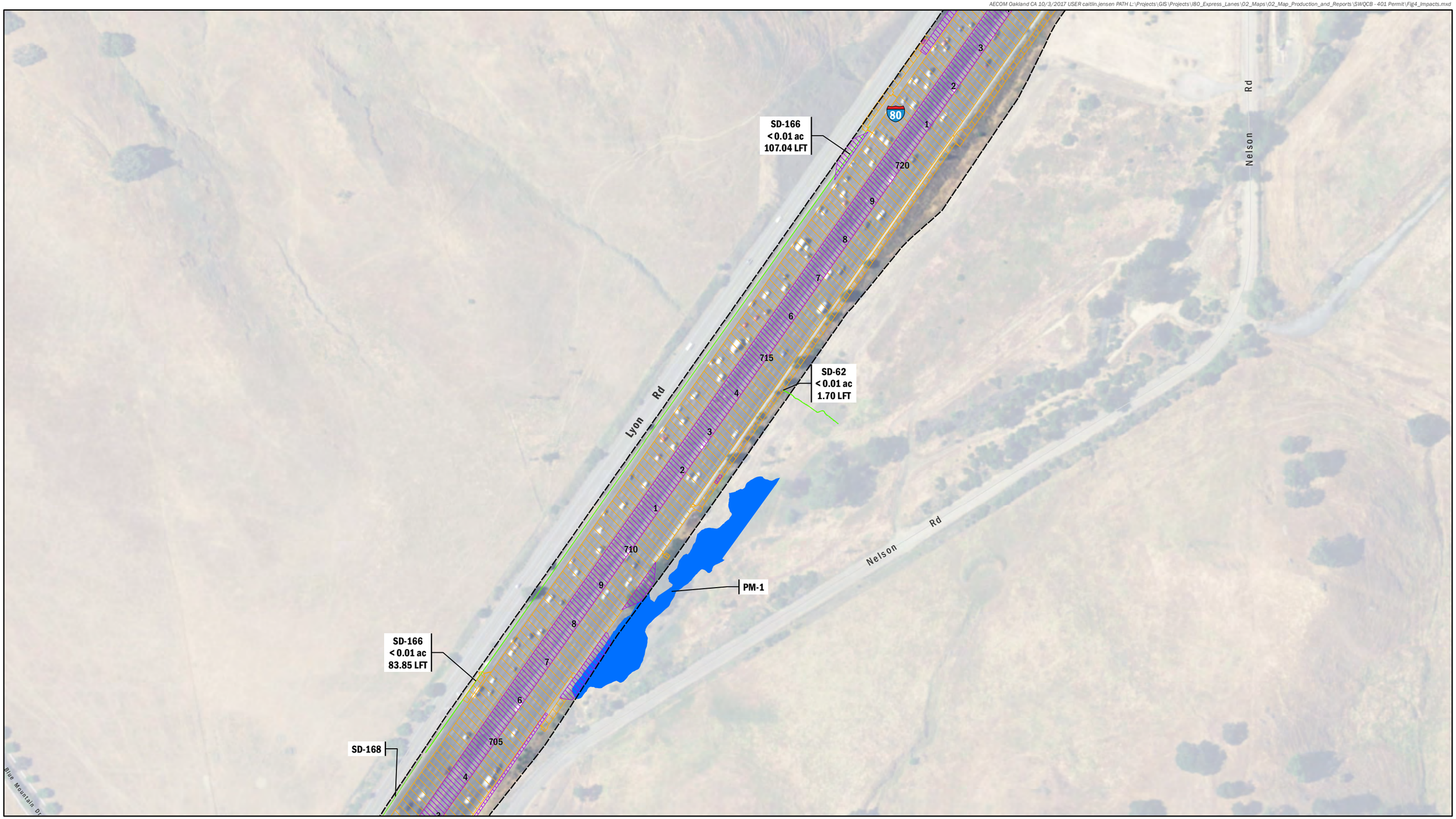

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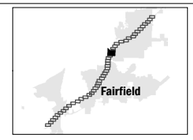

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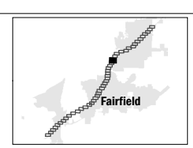

Solano Transportation Authority
I-80 Express Lanes

FIGURE 12
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PROJECTION
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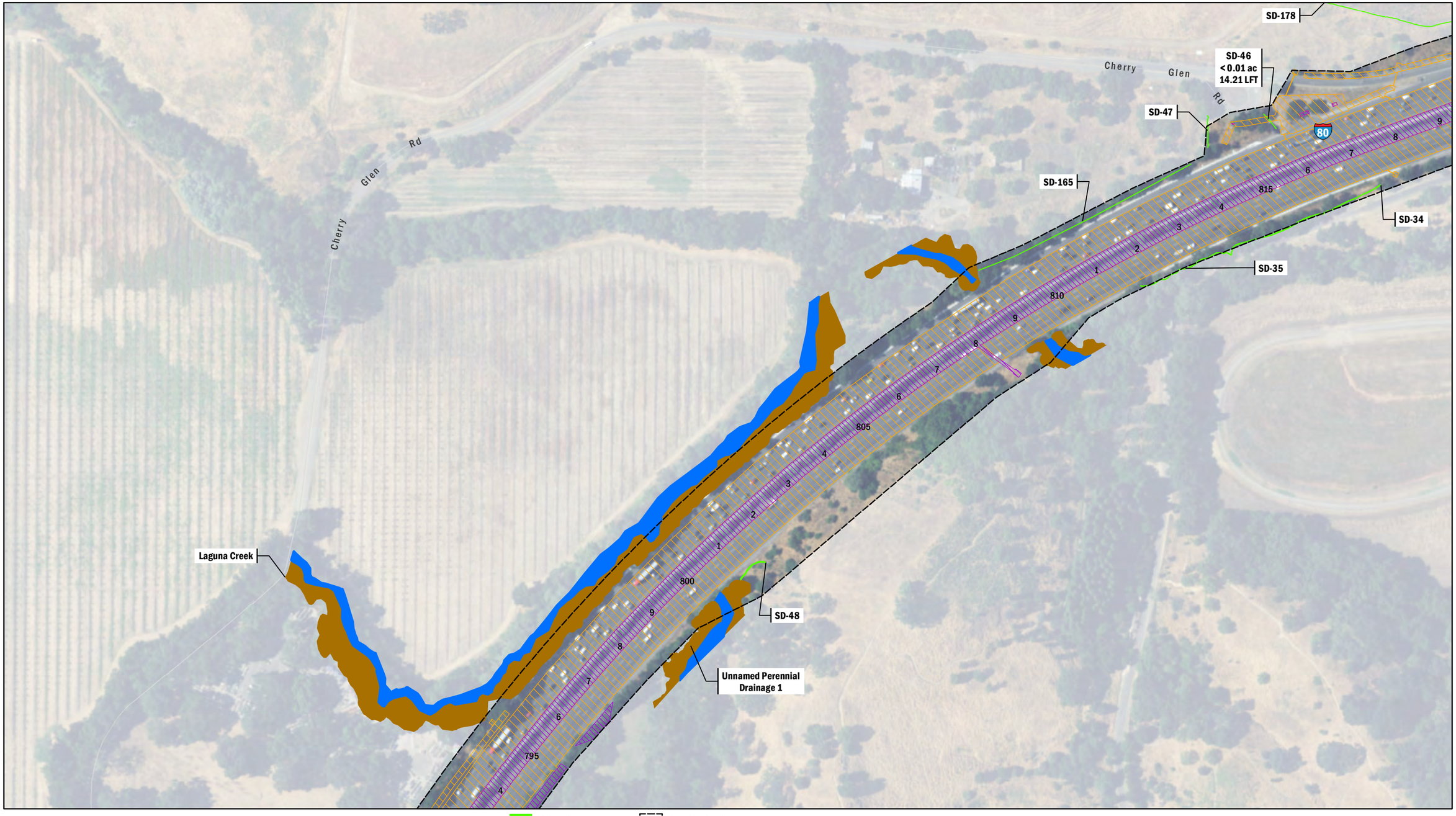
Solano Transportation Authority
I-80 Express Lanes

FIGURE 12
Impacts
Page 34 of 47



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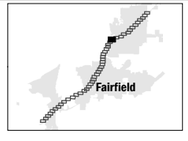

FIGURE 12

Impacts
Page 35 of 47

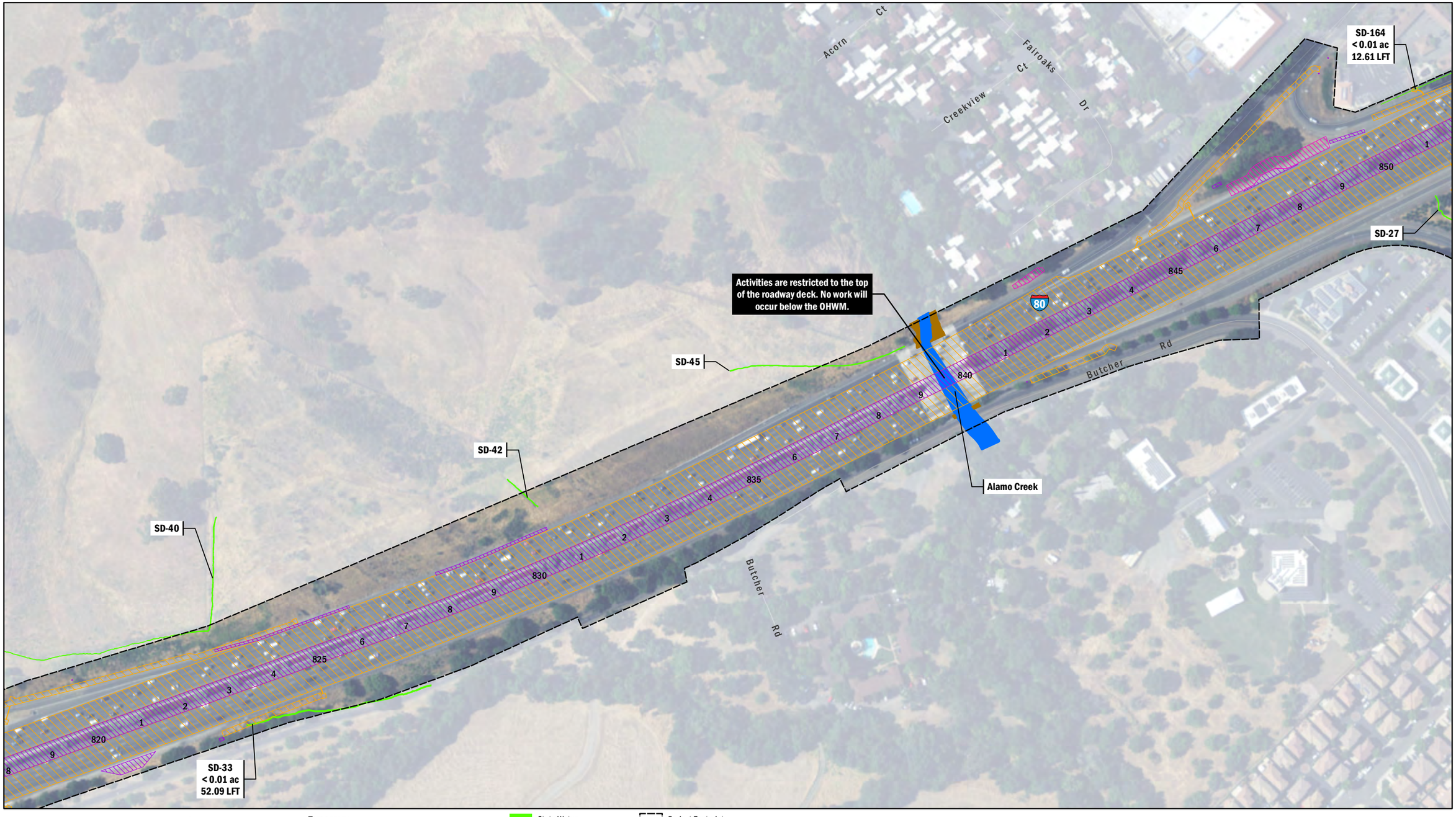

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FIGURE 12
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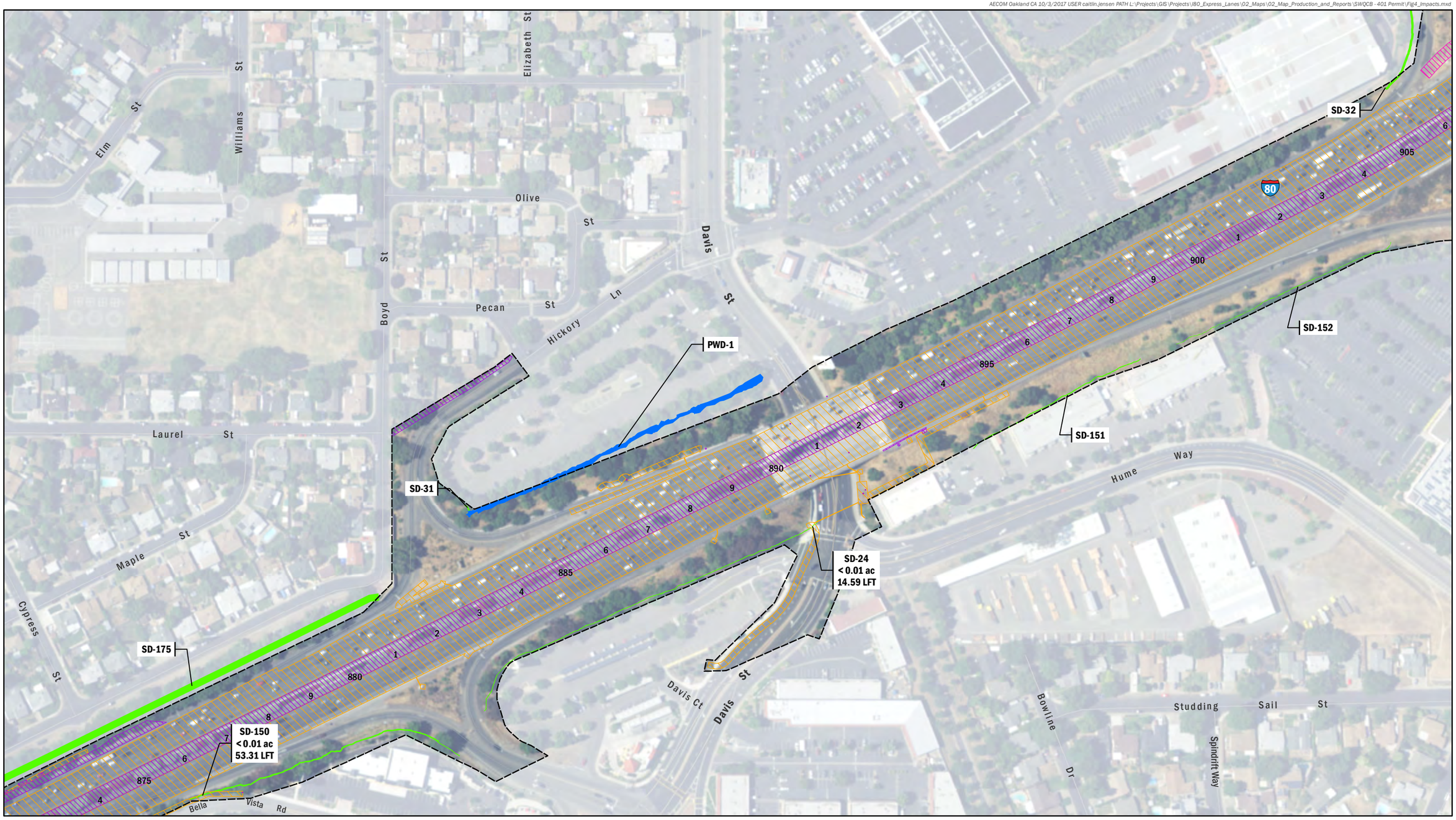
Page 37 of 47



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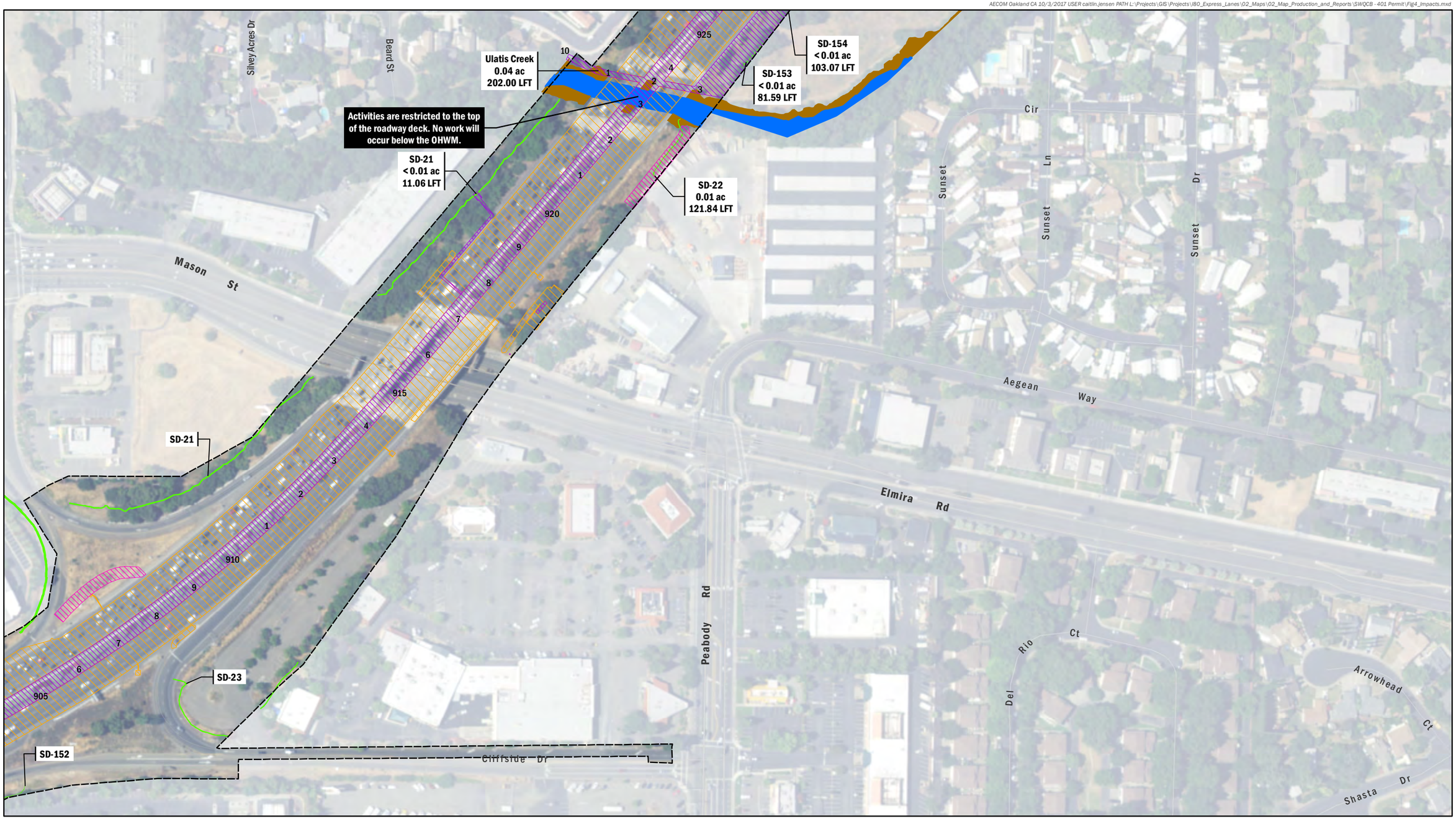

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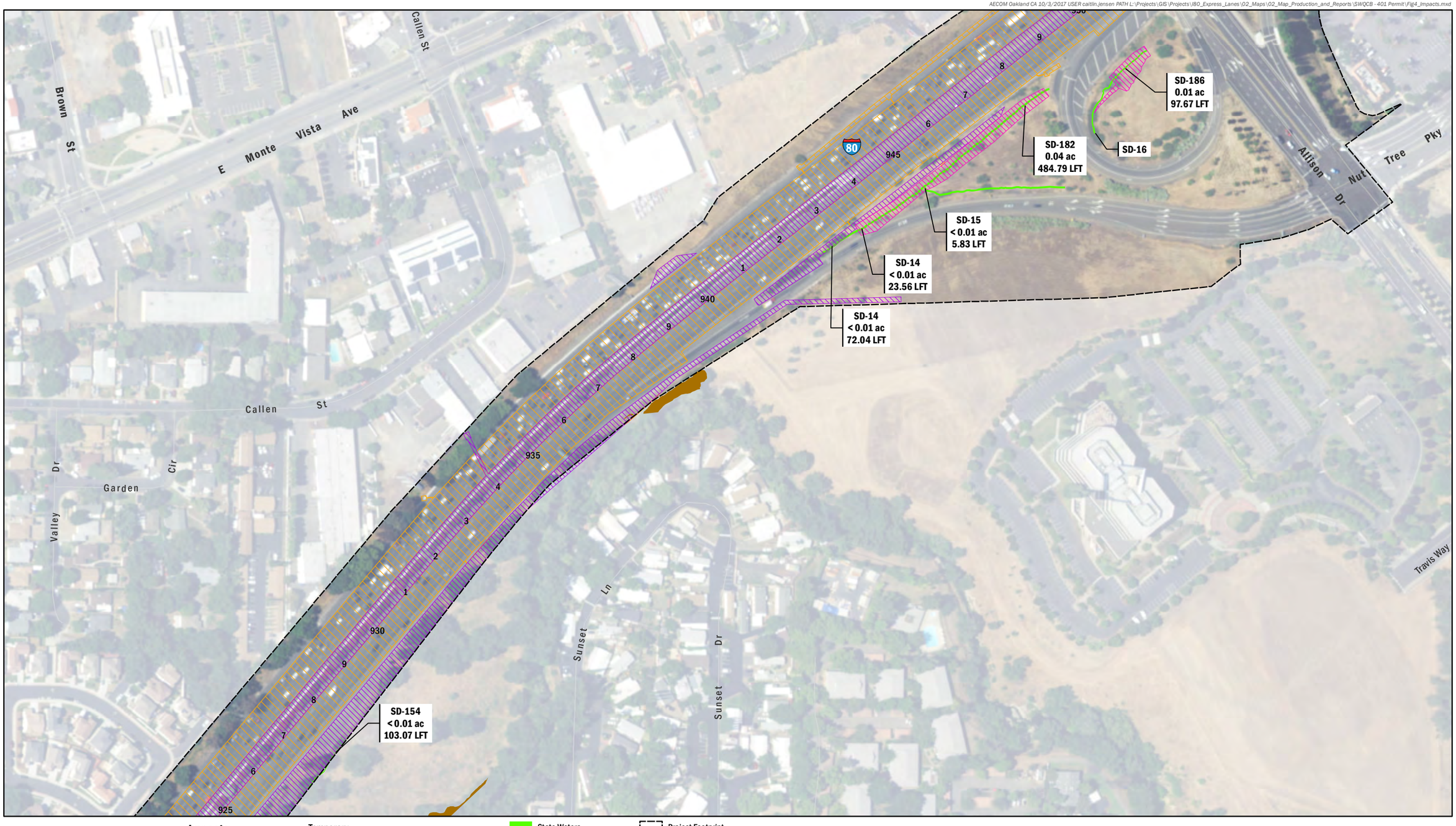

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FIGURE 12

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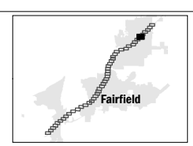

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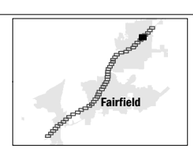

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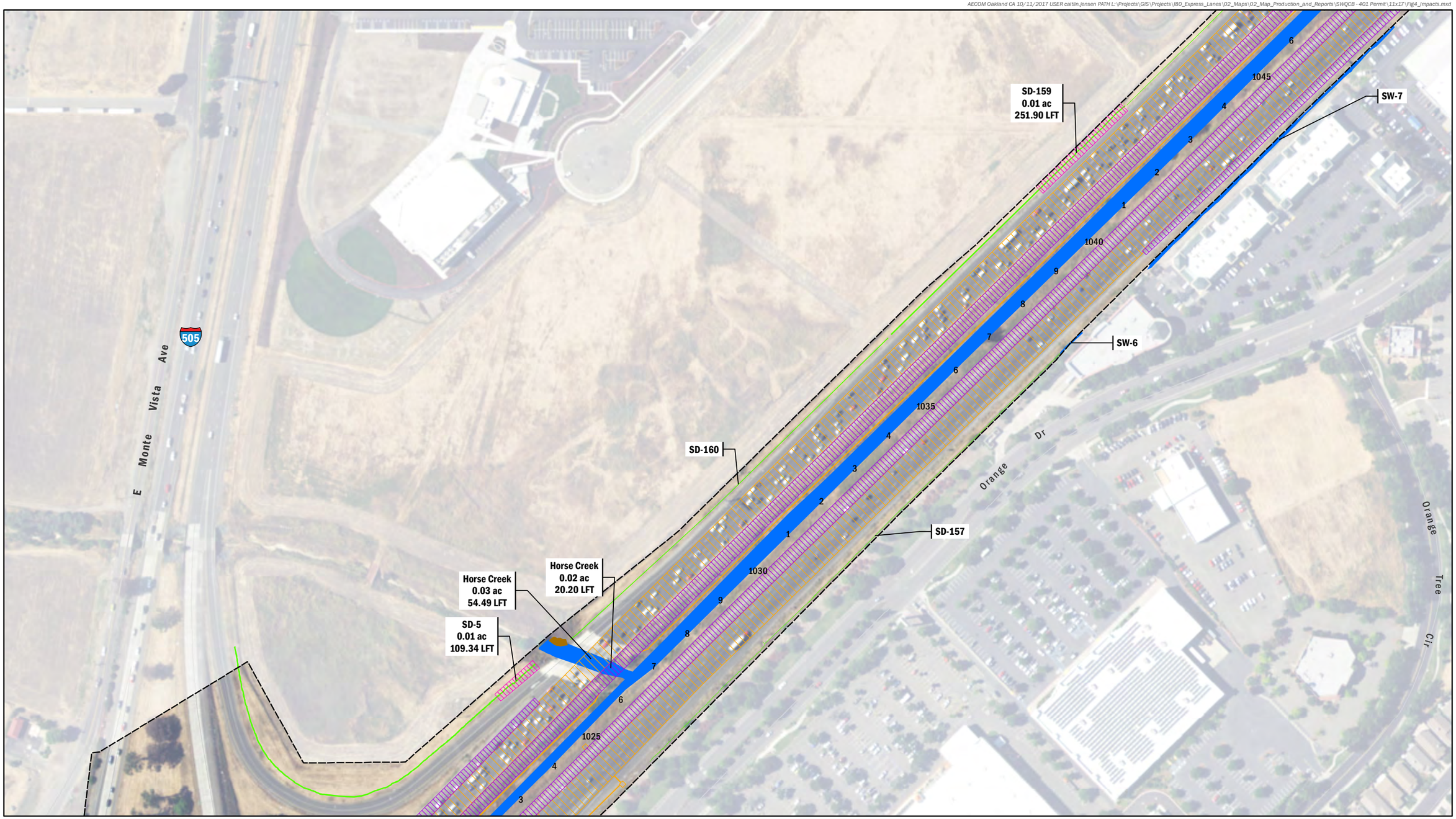

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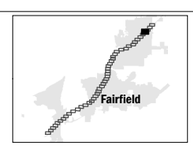

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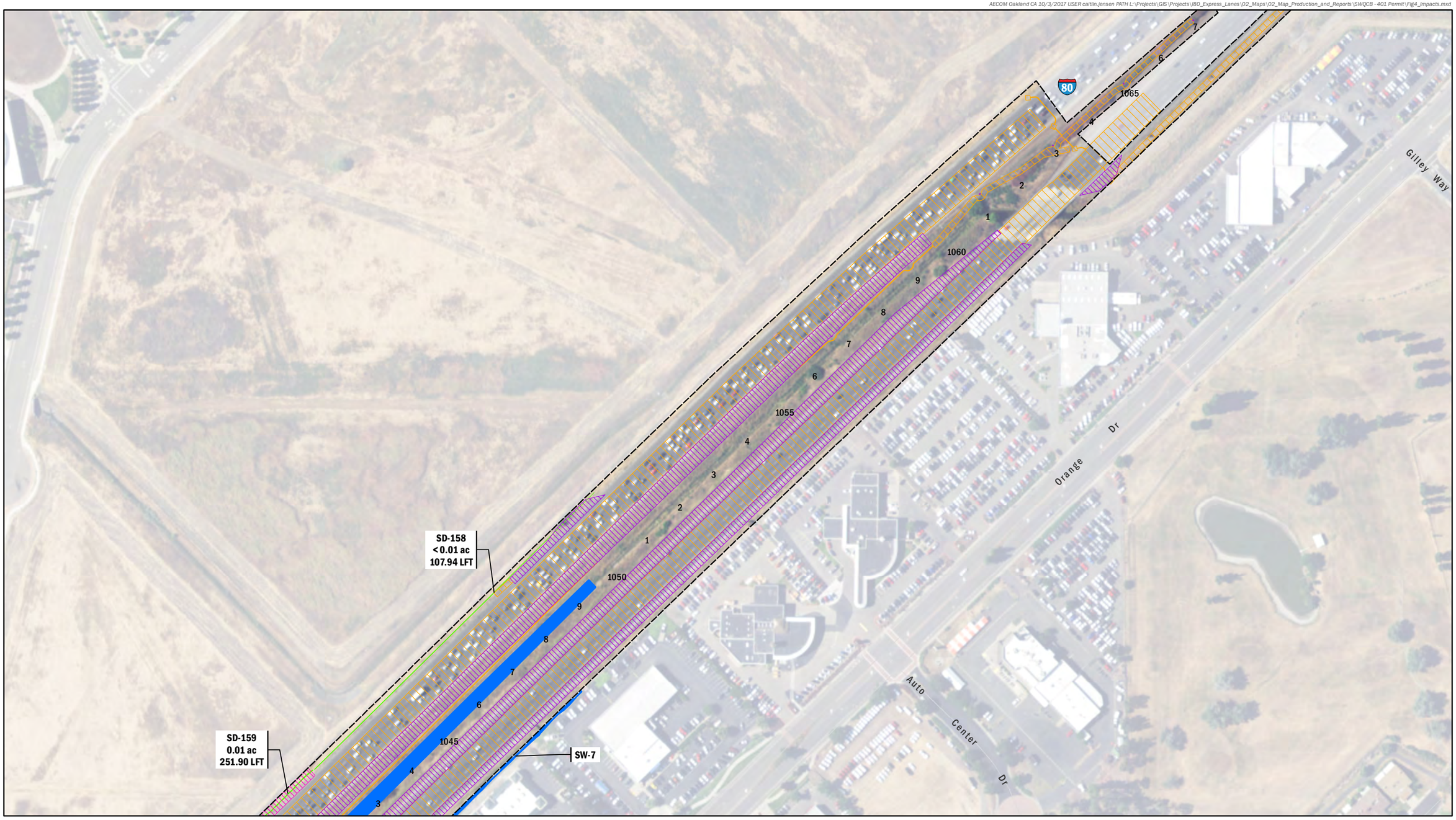

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MAP PREPARED BY:
AECOM Caitlin Jensen, 10/3/2017

PROJECTION
NAD 1983 StatePlane California II FIPS 0402 Feet

Solano Transportation Authority
I-80 Express Lanes

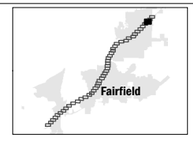

FIGURE 12
Impacts

N

0 200
Feet
1 inch = 200 feet

Impacts

Permanent
- Drainage Extension
- Structure (Hardscape)

Temporary
- Construction (Staging, Access, & Disturbance)
- Biofiltration Feature
- Detention Basin

- State Waters
- Other Waters of the U.S.
- Top-of-bank
- Information Not Provided

- Project Footprint

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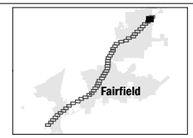

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PROJECTION
NAD 1983 StatePlane California II FIPS 0402 Feet

Solano Transportation Authority
I-80 Express Lanes

FIGURE 12
Impacts
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Receiving Waters

The following table shows the receiving waters associated with each impact site.

Table 1: Receiving Water(s) Information

Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resource Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	eCRAM ID[1]
☐	Horse Creek	Horse Creek	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	N/A
☒	SD-2	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury,	N/A

[1] California Rapid Assessment Method (CRAM) score of impacted sites provided by the Permittee.

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							Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	
☒	SD-3	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	N/A
☒	SD-5	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	N/A
☒	SD-6	Roadside ditch	Stream channel	511.10 Valley Putah-	Sacramento San	Municipal, agriculture,	Chloradane, DDT,	N/A

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				Cache Hydrologic Unit Elmira HA	Joaquin Delta	industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	
☒	SD-14	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	N/A
☒	SD-15	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife,	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species,	N/A

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						navigation	Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	
☒	SD-20	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	
☒	SD-21	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	N/A

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☒	SD-22	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA Sacramento	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	N/A
☒	SD-24	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	N/A
☒	SD-33	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration,	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds,	N/A

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						spawning, wildlife, navigation	Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	
☒	SD-46	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	N/A
☒	SD-53	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs,	N/A

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							Selenium	
☒	SD-56	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	N/A
☐	SD-61	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	N/A
☐	SD-62	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater	Chloradane, DDT, Dieldrin, Dioxin Compunds,	N/A

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						habitat, migration, spawning, wildlife, navigation	Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	
☒	SD-63	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	N/A
☒	SD-64	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs,	N/A

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							Dioxin-Like PCBs, Selenium	
☒	SD-66	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	N/A
☒	SD-93	Roadside ditch	Stream channel	Suisun Bay North	Suisun Slough	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Diazinon	N/A
☒	SD-95	Roadside ditch	Stream channel	Suisun Bay North	Suisun Slough	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Diazinon	N/A
☒	SD-99	Roadside ditch	Stream channel	Suisun Bay North	Suisun Slough	Human consumptive uses,	Diazinon	N/A

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						Aquatic life uses, wildlife use, recreational uses		
☐	SD-102	Roadside ditch	Stream channel	Suisun Bay North	Suisun Slough	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Diazinon	N/A
☒	SD-113	Roadside ditch	Stream channel	Suisun Bay North	Laurel Creek	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Diazinon	N/A
☒	SD-121	Roadside ditch	Stream channel	Suisun Bay North	Suisun Slough	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Diazinon	N/A
☒	SD-124	Roadside ditch	Stream channel	Suisun Bay North	Suisun Slough	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Diazinon	N/A

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☒	SD-125	Roadside ditch	Stream channel	Suisun Bay North	Suisun Slough	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Diazinon	N/A
☒	SD-126	Roadside ditch	Stream channel	Suisun Bay North	Suisun Slough	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Diazinon	N/A
☐	SD-127	Roadside ditch	Stream channel	Suisun Bay North	Suisun Slough	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Diazinon	N/A
☒	SD-129	Roadside ditch	Stream channel	Suisun Bay North	Suisun Slough	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Diazinon	N/A
☐	SD-133	Roadside ditch	Stream channel	Suisun Bay North	Suisun Slough	Human consumptive uses, Aquatic life uses,	Diazinon	N/A

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						wildlife use, recreational uses		
☐	SD-136	Roadside ditch	Stream channel	Suisun Bay North	Suisun Slough	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Diazinon	N/A
☒	SD-139	Roadside ditch	Stream channel	Suisun Bay North	Suisun Slough	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Diazinon	N/A
☒	SD-140	Roadside ditch	Stream channel	Suisun Bay North	Suisun Slough	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Diazinon	N/A
☒	SD-141	Roadside ditch	Stream channel	Suisun Bay North	Suisun Slough	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Diazinon	N/A
☒	SD-142	Roadside ditch	Stream channel	Suisun Bay North	Laurel Creek	Human consumptive		N/A

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						uses, Aquatic life uses, wildlife use, recreational uses		
☒	SD-144	Roadside ditch	Stream channel	Suisun Bay North	Laurel Creek	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses		N/A
☐	SD-145	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	N/A
☒	SD-146	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning,	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive	N/A

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						wildlife, navigation	Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	
☒	SD-149	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	N/A
☒	SD-150	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	N/A

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☒	SD-153	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	N/A
☒	SD-154	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	N/A
☒	SD-158	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration,	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds,	N/A

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						spawning, wildlife, navigation	Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	
☒	SD-159	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	N/A
☒	SD-162	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs,	N/A

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							Selenium	
☒	SD-163	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	N/A
☒	SD-164	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	N/A
☒	SD-166	Roadside ditch	Stream channel	511.10 Valley Putah-Cache Hydrologic Unit Elmira HA	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater	Chloradane, DDT, Dieldrin, Dioxin Compunds,	N/A

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						habitat, migration, spawning, wildlife, navigation	Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	
☒	SD-173	Roadside ditch	Stream channel	Suisun Bay North	Suisun Slough	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Diazinon	N/A
☒	SD-176	Roadside ditch	Stream channel	Suisun Bay North	Suisun Slough	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Diazinon	N/A
☒	SD-182	Roadside ditch	Stream channel	Lower Sacramento	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin	N/A

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							Like PCBs, Dioxin-Like PCBs, Selenium	
☒	SD-186	Roadside ditch	Stream channel	Lower Sacramento	Sacramento San Joaquin Delta	Municipal, agriculture, industry, recreation, freshwater habitat, migration, spawning, wildlife, navigation	Chloradane, DDT, Dieldrin, Dioxin Compunds, Furan Compounds, Invasive Species, Mercury, Non-Dioxin Like PCBs, Dioxin-Like PCBs, Selenium	N/A
☒	SD-301	Roadside ditch	Stream channel	Suisun Bay North	Suisun Slough	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Diazinon	N/A
☒	SD-302	Roadside ditch	Stream channel	Suisun Bay North	Suisun Slough	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Diazinon	N/A
☒	SD-308	Roadside ditch	Stream channel	Suisun Bay North	Suisun Slough	Human consumptive	Diazinon	N/A

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						uses, Aquatic life uses, wildlife use, recreational uses		
☒	SD-322	Roadside ditch	Stream channel	Suisun Bay North	Suisun Creek	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Low Dissolved Oxygen	N/A
☒	SD-323	Roadside ditch	Stream channel	Suisun Bay North	Suisun Creek	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Low Dissolved Oxygen	N/A
☒	SD-325	Roadside ditch	Stream channel	Suisun Bay North	Suisun Creek	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Low Dissolved Oxygen	N/A
☒	SD-326	Roadside ditch	Stream channel	Suisun Bay North	Suisun Creek	Human consumptive uses, Aquatic life uses, wildlife use, recreational	Low Dissolved Oxygen	N/A

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						uses		
☒	SD-327	Roadside ditch	Stream channel	Suisun Bay North	Suisun Creek	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Low Dissolved Oxygen	N/A
☒	SD-424	Roadside ditch	Stream channel	Suisun Bay North	Green Valley Creek	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses		N/A
☒	SD-426	Roadside ditch	Stream channel	Suisun Bay North	Green Valley Creek	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses		N/A
☒	SD-427	Roadside ditch	Stream channel	Suisun Bay North	Green Valley Creek	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses		N/A
☒	SD-433	Roadside ditch	Stream channel	Suisun Bay North	Ledgewood Creek	Human consumptive uses,	Diazinon	N/A

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						Aquatic life uses, wildlife use, recreational uses		
☒	SD-434	Roadside ditch	Stream channel	Suisun Bay North	Ledgewood Creek	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Diazinon	N/A
☒	SD-435	Roadside ditch	Stream channel	Suisun Bay North	Ledgewood Creek	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Diazinon	N/A
☒	SD-436	Roadside ditch	Stream channel	Suisun Bay North	Ledgewood Creek	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Diazinon	N/A
☒	SD-439	Roadside ditch	Stream channel	Suisun Bay North	Suisun Slough	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses	Diazinon	N/A

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☒	SD-447	Roadside ditch	Stream channel	Suisun Bay North	Green Valley Creek	Human consumptive uses, Aquatic life uses, wildlife use, recreational uses		N/A

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Individual Direct Impact Locations

The following table shows individual impact locations.

Table 2: Individual Direct Impact Information

Impact Site ID	Latitude	Longitude	Direct Impact Duration	Fill/Excavation		
				Acres	Cubic Yards	Linear Feet
Horse Creek	38.37563	-121.95082	Temporary	0.03	24	54.62
			Permanent	0.02	122.83	20.20
SD-2	38.37309	-121.95499	Temporary	0	0	0
			Permanent	0.007	5.61	150.80
SD-3	38.3727	-121.95467	Temporary	0	0	0
			Permanent	0.012	9.59	6.34
SD-5	38.37551	-121.95139	Temporary	0	0	0
			Permanent	0.007	6.08	109.34
SD-6	38.37272	-121.95407	Temporary	<0.001	0.19	10.83
			Permanent	0	0	0
SD-14	38.35975	-121.97167	Temporary	0	0	0
			Permanent	0.002	4.74	95.60
SD-15	38.36007	-121.97101	Temporary	0	0	0
			Permanent	<0.001	0.43	5.83
SD-20	38.37298	-121.95310	Temporary	<0.001	0.30	9.12
			Permanent	0	0	0
SD-21	38.35551	-121.97790	Temporary	0	0	0
			Permanent	0.001	0.61	11.06
SD-22	38.35576	-121.97648	Temporary	0	0	0
			Permanent	0.006	4.51	121.84

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Table 2: Individual Direct Impact Information

Impact Site ID	Latitude	Longitude	Direct Impact Duration	Fill/Excavation		
				Acres	Cubic Yards	Linear Feet
SD-24	38.35040	-121.98553	Temporary	<0.001	0.39	14.59
			Permanent	0	0	0
SD-33	38.34261	-122.00673	Temporary	0.002	2.02	52.09
			Permanent	0	0	0
SD-46	38.34244	-122.00947	Temporary	<0.001	0.66	14.21
			Permanent	0	0	0
SD-53	38.32700	-122.02335	Temporary	0.005	4.25	115.99
			Permanent	0.012	9.44	169.94
SD-56	38.32850	-122.02149	Temporary	0.002	1.98	53.36
			Permanent	0	0	0
SD-61	38.32183	-122.02602	Temporary	0.001	0.68	7.35
			Permanent	0	0	0
SD-62	38.31934	-122.02826	Temporary	<0.001	0.06	1.70
			Permanent	0	0	0
SD-63	38.32634	-122.02361	Temporary	0	0	0
			Permanent	0.008	6.64	178.56
SD-64	38.32598	-122.02386	Temporary			
			Permanent	0.006	4.82	131.02
SD-66	38.32434	-122.02495	Temporary	0.005	0.16	4.27
			Permanent	<0.001	3.96	107.03
SD-93	38.29629	-122.034363	Temporary	0.001	0.82	29.52
			Permanent	0	0	0

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Table 2: Individual Direct Impact Information

Impact Site ID	Latitude	Longitude	Direct Impact Duration	Fill/Excavation		
				Acres	Cubic Yards	Linear Feet
SD-95	38.29711	-122.03447	Temporary	0	0	0
			Permanent	0.014	11.38	245.85
SD-99	38.28905	-122.03678	Temporary	0.001	0.75	32.02
			Permanent	0	0	0
SD-102	38.28043	-122.04327	Temporary	<0.001	0.07	0.54
			Permanent	0.004	15.8	14.20
SD-113	38.30985	-122.03370	Temporary	<0.01	0.28	8.98
			Permanent	0	0.00	0
SD-121	38.29301	-122.03380	Temporary	<0.001	0.43	11.50
			Permanent	0.005	4.37	149.79
SD-124	38.30176	-122.03432	Temporary	<0.001	0.37	9.95
			Permanent	0	0.00	0
SD-125	38.29962	-122.03425	Temporary	<0.001	0.14	7.39
			Permanent	0	0.00	0
SD-126	38.29809	-122.03468	Temporary	<0.001	0.22	10.32
			Permanent	0	0.00	0
SD-127	38.29796	-122.03482	Temporary	0.001	0.81	10.98
			Permanent	0	0.00	0
SD-129	38.28410	-122.04097	Temporary	0.022	17.61	479.43
			Permanent	0.001	0.82	40.67
SD-133	38.28779	-122.03787	Temporary	<0.001	0.01	4.74
			Permanent	0.005	4.18	105.82

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Table 2: Individual Direct Impact Information						
Impact Site ID	Latitude	Longitude	Direct Impact Duration	Fill/Excavation		
				Acres	Cubic Yards	Linear Feet
SD-136	38.28021	-122.04347	Temporary	0	0	0
			Permanent	0.001	16.9	6.88
SD-139	38.27904	-122.04446	Temporary	0.045	36.69	994.30
			Permanent	0.012	9.65	257.11
SD-140	38.28258	-122.04147	Temporary	0.035	28.11	1,518.07
			Permanent	0	0.00	0
SD-141	38.28405	-122.04020	Temporary	0.005	4.08	110.27
			Permanent	0	0.00	0
SD-142	38.30359	-122.03355	Temporary	0.024	19.41	524.72
			Permanent	0.005	3.70	100.00
SD-144	38.30937	-122.03314	Temporary	0.004	2.91	157.14
			Permanent	0.002	1.85	100.00
SD-145	38.32181	-122.02603	Temporary	0.001	0.55	5.97
			Permanent	0	0.00	0
SD-146	38.32790	-122.02185	Temporary	<0.001	0.32	71.82
			Permanent	0	0.00	0
SD-149	38.34836	-121.99132	Temporary	0.003	2.47	44.38
			Permanent	0	0.00	0
SD-150	38.34883	-121.99006	Temporary	0.004	2.91	53.31
			Permanent	0	0.00	0
SD-153	38.35634	-121.97583	Temporary	0.003	2.22	81.59
			Permanent	0	0.00	0

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Table 2: Individual Direct Impact Information

Impact Site ID	Latitude	Longitude	Direct Impact Duration	Fill/Excavation		
				Acres	Cubic Yards	Linear Feet
SD-154	38.35679	-121.97538	Temporary	0.003	2.37	103.07
			Permanent	0	0.00	0
SD-158	38.37991	-121.94553	Temporary	0.004	2.93	107.94
			Permanent	0	0.00	0
SD-159	38.37862	-121.94720	Temporary	0	0.00	0
			Permanent	0.014	11.66	251.90
SD-162	38.34780	-121.99417	Temporary	0	0.00	0
			Permanent	0.032	25.87	695.16
SD-163	38.34692	-121.99644	Temporary	<0.001	0.17	7.30
			Permanent	0	0.00	0
SD-164	38.34632	-121.99810	Temporary	<0.001	0.35	12.61
			Permanent	0	0.00	0
SD-166	38.32072	-122.02777	Temporary	0.003	2.69	83.85
			Permanent	0.004	2.97	107.04
SD-173	38.28006	-122.0444	Temporary	0	0.00	0
			Permanent	0.031	25.29	682.91
SD-176	38.28848	-122.03646	Temporary	0.017	13.87	374.32
			Permanent	0.008	6.38	172.32
SD-182	38.36024	-121.97078	Temporary	0	0.00	0
			Permanent	0.044	35.18	484.79
SD-186	38.36080	-121.96950	Temporary	0	0.00	0
			Permanent	0.007	5.43	97.67

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Table 2: Individual Direct Impact Information						
Impact Site ID	Latitude	Longitude	Direct Impact Duration	Fill/Excavation		
				Acres	Cubic Yards	Linear Feet
SD-301	38.26817	-122.05449	Temporary	0.015	11.97	297.33
			Permanent	0	0.00	0
SD-302	38.26739	-122.05514	Temporary	0.007	5.42	77.06
			Permanent	0.017	13.71	185.02
SD-308	38.26114	-122.06044	Temporary	0.001	1.25	28.36
			Permanent	0.007	5.42	152.66
SD-322	38.24230	-122.08754	Temporary	0.006	4.94	133.25
			Permanent	0.006	5.26	142.12
SD-323	38.24088	-122.09087	Temporary	0.028	22.98	237.45
			Permanent	0	0.00	0
SD-325	38.23754	-122.09871	Temporary	0.028	22.74	109.03
			Permanent	0	0.00	0
SD-326	38.23360	-122.10749	Temporary	0.023	18.19	491.95
			Permanent	0.005	3.70	100.00
SD-327	38.230854	-122.11400	Temporary	0.011	8.90	160.35
			Permanent	0.009	7.27	130.75
SD-424	38.21979	-122.13280	Temporary	0.007	5.64	230.76
			Permanent	0	0.00	0
SD-426	38.22216	-122.12781	Temporary	0	0.00	0
			Permanent	0.004	2.99	1.79

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Table 2: Individual Direct Impact Information						
Impact Site ID	Latitude	Longitude	Direct Impact Duration	Fill/Excavation		
				Acres	Cubic Yards	Linear Feet
SD-427	38.22229	-122.12759	Temporary	0	0.00	0
			Permanent	0.003	2.82	100.57
SD-433	38.24574	-122.07816	Temporary	0.014	11.34	344.26
			Permanent	0	0.00	0
SD-434	38.24679	-122.07494	Temporary	0.01	7.89	215.63
			Permanent	0	0.00	0
SD-435	38.25273	-122.06666	Temporary	0.001	0.80	14.43
			Permanent	0	0.00	0
SD-436	38.25598	-122.064	Temporary	0.01	7.71	31.49
			Permanent	0.007	5.44	181.52
SD-439	38.26661	-122.05503	Temporary	0.014	11.27	213.05
			Permanent	0	0.00	0
SD-447	38.21025	-122.1464	Temporary	0	0.00	0
			Permanent	0.002	1.50	46.46

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Compensatory Mitigation Information

Upon approval of a final compensatory mitigation plan this Order will be amended and the following table(s) will be updated to show individual compensatory mitigation information and locations.

Permittee Responsible Compensatory Mitigation Site Information

Table [#]: Onsite Permittee Responsible Compensatory Mitigation[2]						
Impact Site ID	Lat.	Long.	Aquatic Resource Type	Mitigation Method	Mitigation Quantity	
					Acres	Linear Feet

Mitigation Bank Compensatory Mitigation Site Information

Table [#] Mitigation Bank		
Mitigation Bank	Name:	
	Website:	
Contact Information	Name:	
	Phone:	

[2] Mitigation site is analyzed in the Project CEQA document.

	Email:	
Mitigation Location	County:	
	Latitude:	
	Longitude:	

Aquatic Resource Credit Type	Mitigation Method	Mitigation Quantity		
		Acres	Linear Feet	Number of Credits Purchased

In-Lieu Fee Compensatory Mitigation Information

Table [#] In-Lieu Fee Program		
In-Lieu Fee Program	Name:	
	Website:	
Contact Information	Name:	
	Phone:	
	Email:	
Mitigation Location	County:	
	Latitude:	
	Longitude:	

Aquatic Resource Credit Type	Mitigation Method	Mitigation Quantity		
		Acres	Linear Feet	Number of Credits Purchased

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A. Environmental Review

On December 4, 2015, the California Department of Transportation, District 4 (Caltrans), as lead agency, adopted an initial study/mitigated negative declaration (IS/MND) (State Clearinghouse (SCH) No. 2015072037) for the Project and filed a Notice of Determination (NOD) at the SCH on December 4, 2015. The State Water Board is a responsible agency under CEQA (Pub. Resources Code, § 21069) and in making its determinations and findings, must presume that Caltrans's adopted environmental document comports with the requirements of CEQA and is valid (Pub. Resources Code, § 21167.3). The State Water Board has reviewed and considered the environmental document and finds that the environmental document prepared by Caltrans addresses the Project's water resource impacts. (Cal. Code Regs., tit. 14, § 15096, subd. (f)). The environmental document includes the mitigation monitoring and reporting requirements that have been adopted for the Project to reduce potential significant impacts. (Pub. Resources Code, § 21081.6, subd. (a)(1); Cal. Code Regs., tit. 14, § 15074, subd. (d).)

B. Incorporation by Reference

Pursuant to CEQA, these Findings of Facts (Findings) support the issuance of this Order based on the Project IS/MND, the application for this Order, and other supplemental documentation, including documents submitted in response to State Water Board requests for additional information.

All CEQA project impacts, including those discussed in subsection C below, are analyzed in detail in the Project Final IS/MND which is incorporated herein by reference. The Project IS/MND is available at: http://www.dot.ca.gov/d4/envdocs.htm.

Requirements under the purview of the State Water Board in the MMRP are incorporated herein by reference.

The Permittee's application for this Order, including all supplemental information provided, is incorporated herein by reference.

C. Findings

The IS/MND describes the potential significant environmental effects to water resources that were mitigated in the IS/MND. Considering the whole of the record including comments received during the public review process, the State Water Board makes the following findings:

(1) Revisions in the project plans or proposals made by, or agreed to by the applicant before a proposed mitigated negative declaration and initial study are released for public review would avoid the effects or mitigate the effects to a point where clearly no significant effects would occur, and

(2) There is no substantial evidence, in light of the whole record before the agency, that the project as revised may have a significant effect on the environment. (Cal. Code Regs., tit. 14, § 15070.)

a.i. Potential Significant Impact to Special Status Species:

The project has the potential to significantly impact, either directly or through habitat modifications, species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and

Game or U.S. Fish and Wildlife Service. However, the Project will have less than significant effects. The following facts support this finding.

a.ii. Facts in Support of Finding:
Potential significant impacts to special status species will be mitigated to less than significant through the following measures.

- **Bio-F**: Compensatory Mitigation for the California Red-Legged Frog. Caltrans will mitigate for any permanent loss of California red-legged frog dispersal or foraging habitat at a 3:1 ratio (mitigation: impact) and any temporary loss of dispersal and foraging habitat at a 1:1 ratio on an acreage basis, estimated at approximately 0.67 acres of habitat to be preserved. Compensatory mitigation may be carried out through purchasing credits at a habitat mitigation bank and/or one or both of the following methods, in order of preference:
  • Establishment of a conservation easement for habitat used for California red-legged frog dispersal.
  • Purchase of USFWS-approved banking credits for upland dispersal habitat.
  • Provide funds to conservation group for aid and support of California red-legged frog conservation.

- **Bio 2**: The following Caltrans standard BMP's shall be implemented during construction to avoid or minimize impacts to aquatic habitats:
  •All work within the banks of an active channel will be restricted to the dry season (June 1 through October 15).
  • Caltrans will implement BMPs as recommended or required by the State Water Quality Control Board to protect water quality. These measures will include, but are not limited to the following:
    • No debris, soil, silt, sand, bark, slash, sawdust, cement, concrete, washings, petroleum products, or other organic or earthen material will be allowed to enter into or be placed where it may be washed by rainfall or runoff into waters of the U.S./State or aquatic habitat.
    • No equipment will be operated in the live stream channel.
    • Equipment staging and parking areas will occur within established access areas in upland habitat above the top of bank.
    • Vehicle refueling, washing, and maintenance will occur at least 50 feet from the top-of-bank. Equipment will be regularly maintained to prevent fluid leaks. Any leaks will be captured in containers until the equipment is moved to a repair location.
    • A spill prevention and response plan will be prepared prior to construction and will be implemented immediately for cleanup of fluid or hazardous materials spills.
    • Standard erosion control and slope stabilization measures will be required for work performed in any area where erosion could lead to sedimentation of a water body.
    • Caltrans will provide a dewatering and diversion plan to the CDFW 30 days prior to construction.

- **Bio 3**: A Worker Environmental Awareness Training program will be given by a qualified biologist prior to construction to provide information on Project permits, agreements and environmental special provisions. The biologist will conduct a training session that will be scheduled as a mandatory informational field meeting for

contractors and all construction personnel. Handouts, illustrations, photographs, and/or Project mapping showing areas where minimization and avoidance measures are being implemented will be included as part of this worker awareness program. Upon completion of the program, employees will sign a form stating that they attended the training session and understand all the conservation and protection measures.

- **Bio 5**: When work in a flowing stream is unavoidable and before work commences, any stream flow will be isolated from the work area. Dewatering will be accomplished by placing temporary cofferdams upstream and downstream of the work area with a diversion pipe installed between to maintain creek flow. The material used to construct the cofferdams will be clean material, contained, for example in sacks, and placed over plastic or filter fabric (or like material) so it can be completely removed from the streambed and preserve existing riverbed substrate.

- **Bio 6**: During construction activities that involve physical modification of any bridge over aquatic habitat, netting or other structures will be installed under the existing bridge to prevent debris from entering the channel, as such debris could degrade water quality downstream and potentially injure steelhead or Chinook salmon (e.g., when work on the bridge deck is occurring during the wet season).

- **Bio 7**: If temporary dewatering is required in Horse Creek and other drainages during construction, a qualified biologist will be present to monitor all activities involving the placement of fill in the drainage, including any cofferdam construction. The biologist will inspect the area where the cofferdam will be constructed prior to construction and will ensure that any fish have vacated the cofferdam area before in-water work begins. A water diversion plan will be developed and submitted to the resource agencies, including CDFW, 30 days prior to construction. Once all fish have moved out of the work area, the cofferdam will be completed so that fish cannot re-enter this area.

- **Bio 8**: If at any time an individual steelhead or Chinook salmon appears to be at risk of injury or mortality due to project-related activities, all work will stop until Caltrans has consulted with NMFS to determine a means of avoiding impacts on the individual(s).

- **Bio 12**: A qualified biologist will conduct a pre-construction survey for western pond turtles and their nests. If a western pond turtle is found in an area where it could be injured or killed by Project activities, the qualified biologist will relocate the turtle to an appropriate site outside the Project area.

- **Bio 13**: If an active western pond turtle nest is detected within the activity area, a 25-foot buffer zone around the nest will be established and maintained during the nesting season (April 1 through August 31). The buffer zone will remain in place until the young have left the nest, as determined by a qualified biologist.

- **Bio 14**: Following the initial survey, a qualified biologist will conduct a survey of the aquatic habitat within the activity area each morning prior to the onset of construction activities. If a turtle is located, all work in the vicinity will immediately cease, and a qualified biologist will be contacted. Work within the area will not resume until the turtle has been relocated or has moved out of the area where it could be impacted.

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- **Bio 29**: Caltrans will submit to the USFWS the name(s) and credentials of biologists who will conduct activities related to the California red-legged frog specified in the following measures:
  A WEAT program will be given by an approved biologist before the onset of construction within potential California red-legged frog habitat to explain to construction personnel how best to avoid the accidental take of red-legged frogs. The biologist will conduct a training session that will be scheduled as a mandatory informational field meeting for contractors and all construction personnel. Handouts, illustrations, photographs, and/or project mapping showing areas where minimization and avoidance measures are being implemented will be included as part of this worker awareness program. Upon completion of the program, employees will sign a form stating that they attended the training session and understand all the conservation and protection measures. Prior to the initiation of the pre-construction survey, a relocation plan for any California red-legged frogs found on the project site will be submitted to the USFWS for approval. The approved biologist will perform pre-construction surveys. A USFWS-approved biologist will be present at all times during initial disturbance of potential red-legged frog habitat to monitor for red-legged frogs.
  All construction pipes, culverts, or similar structures that are stored at the site within suitable red-legged frog habitat for one or more overnight periods will be either securely capped prior to storage or thoroughly inspected by the approved biologist or on-site monitor before the pipe is subsequently buried, capped, or otherwise used or moved in any way. If a California red-legged frog is discovered inside a pipe, the approved biologist will move the animal to an approved location, as described above. During project activities, all trash that may attract predators will be properly contained, removed from the work site, and disposed of regularly. Following construction, all trash and construction debris will be removed from work areas. A qualified biologist will permanently remove any individuals of exotic species.

- **Bio 31**: In compliance with the Executive Order on Invasive Species, Executive Order 13112, and guidance from the Federal Highway Administration, the landscaping and erosion control included in the Project will not use species listed as invasive. In areas of particular sensitivity, extra precautions will be taken if invasive species are found in or next to the construction areas. These include the inspection and cleaning of construction equipment and eradication strategies to be implemented should an invasion occur.

b.i. Potential Significant Impact to Riparian Habitat:
The project has the potential to cause a substantial adverse effect on riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service. However, the Project will have less than significant effects. The following facts support this finding.

b.ii. Facts in Support of Finding:
Potential significant impacts to riparian habitat or other sensitive natural communities will be mitigated to less than significant through the following measures.

- **Bio D**: Compensatory Mitigation for Riparian Woodland Replacement. Compensation for permanent impacts to up to 0.07 acre of riparian habitat will be mitigated at a replacement ratio of 3:1 (habitat replaced: habitat lost) based on acreage offsite. These effects may be mitigated at a CDFW-approved riparian mitigation bank with a

service area that covers the project, or at a turnkey mitigation property located in close proximity to the project.

- **Hydr 1**: The Project is planned so as to avoid adverse effects to the natural and beneficial floodplain values to the maximum extent practicable. Any impacts to the natural and beneficial floodplain values will be reduced with revegetation, stormwater treatment, or other requirements as designated by the relevant permits.

- **WQ 1**: Pursuant to the Construction General Permit, a Storm Water Pollution Prevention Program (SWPPP) will be developed for the Project and will comply with the Caltrans Storm Water Management Plan. The Program includes guidance for Design staff to include special provisions and plans in construction contracts, to protect sensitive areas, and to prevent and minimize storm water and non-storm water discharges. The SWPPP will reference the Caltrans Construction Site BMPs Manual. Additional BMPs necessary for the Project to comply permits and other regulatory agency requirements will be detailed during the final design phase. Measures include:
  • No debris, soil, silt, sand, bark, slash, sawdust, cement, concrete, washings, petroleum products, or other organic or earthen material will be allowed to enter into or be placed where it may be washed by rainfall or runoff into waters of the U.S./State or aquatic habitat.
  • Equipment staging and parking areas will occur in established access areas in upland habitat above the top of bank.
  • Vehicle refueling, washing, and maintenance will occur at least 50 feet from the top-of-bank. Equipment will be regularly maintained to prevent fluid leaks. Any leaks will be captured in containers until the equipment is moved to a repair location.
  • A spill prevention and response plan will be prepared prior to construction and will be implemented immediately for cleanup of fluid or hazardous materials spills.
  • Standard erosion control and slope stabilization measures will be required for work performed in any area where erosion could lead to sedimentation of a waterbody.

c.i. Potential Significant Impact to Federally Protected Wetlands:
The project has the potential to have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means. However, the Project will have less than significant effects. The following facts support this finding.

c.ii. Facts in Support of Finding:
Compensation for permanent impacts on up to 0.31 acre of aquatic and wetland habitat will be mitigated at a minimum replacement ratio of 1:1 (created wetlands: impacted wetlands) or as otherwise determined by the State Water Board. These effects may be mitigated at a USACE-approved wetland mitigation bank with a service area that covers the project, or at a turn-key mitigation property located in close proximity to the project. Temporary impacts on 0.04 acres of aquatic habitat (i.e. impacted areas not previously mitigated) will be mitigated on-site by restoring impacted areas to pre-project conditions.

D. Determination
The State Water Board has determined that the Project, when implemented in accordance with the MND and the conditions in this Order, will not result in any significant adverse water resource impacts. (Cal. Code Regs., tit. 14, § 15096, subd (h).) The State Water

Board will file a NOD with the SCH within five (5) working days from the issuance of this Order (Cal. Code Regs., tit. 14, § 15096, subd. (i).).

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SIGNATORY REQUIREMENTS

All Documents Submitted In Compliance With This Order Shall Meet The Following Signatory Requirements:

1. All applications, reports, or information submitted to the State Water Resources Control Board (State Water Board) must be signed and certified as follows:

    a) For a corporation, by a responsible corporate officer of at least the level of vice-president.
    b) For a partnership or sole proprietorship, by a general partner or proprietor, respectively.
    c) For a municipality, or a state, federal, or other public agency, by either a principal executive officer or ranking elected official.

2. A duly authorized representative of a person designated in items 1.a through 1.c above may sign documents if:

    a) The authorization is made in writing by a person described in items 1.a through 1.c above.
    b) The authorization specifies either an individual or position having responsibility for the overall operation of the regulated activity.
    c) The written authorization is submitted to the State Water Board Staff Contact prior to submitting any documents listed in item 1 above.

3. Any person signing a document under this section shall make the following certification:

    "I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

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Certification Deviation Procedures

Introduction

These procedures are put into place to preclude the need for Order amendments for minor changes in the Project routing or location. Minor changes or modifications in project activities are often required by the Permittee following start of construction. These deviations may potentially increase or decrease impacts to waters of the state. In such cases, a Certification Deviation, as defined in Section XIII L of the Order, may be requested by the Permittee as set forth below:

Process Steps

Who may apply: The Permittee or the Permittee's duly authorized representative or agent (hereinafter, "Permittee") for this Order.

How to apply: By letter or email to the 401 staff designated as the contact for this Order.

Certification Deviation Request: The Permittee will request verification from the State Water Board staff that the project change qualifies as a Certification Deviation, as opposed to requiring an amendment to the Order. The request should:

1. Describe the Project change or modification:
    a. Proposed activity description and purpose;
    b. Why the proposed activity is considered minor in terms of impacts to waters of the state;
    c. How the Project activity is currently addressed in the Order; and,
    d. Why a Certification Deviation is necessary for the Project.
2. Describe location (latitude/longitude coordinates), the date(s) it will occur, as well as associated impact information (i.e., temporary or permanent, federal or non-federal jurisdiction, water body name/type, estimated impact area, etc.) and minimization measures to be implemented.
3. Provide all updated environmental survey information for the new impact area.
4. Provide a map that includes the activity boundaries with photos of the site.
5. Provide verification of any mitigation needed according to the Order conditions.
6. Provide verification from the CEQA Lead Agency that the proposed changes or modifications do not trigger the need for a subsequent environmental document, an addendum to the environmental document, or a supplemental EIR. (Cal. Code Regs., tit. 14, §§ 15162-15164.)

Action by State Water Board on Request: State Water Board staff will make a determination on the Certification Deviation request within 10 working days from receipt of a complete request and notify the Permittee via email of the staff determination. Determination of whether a Certification Deviation request is complete is at the discretion of State Water Board staff.

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Post-Discharge Certification Deviation Reporting:

1. Within 30 calendar days of completing the approved Certification Deviation activity, the Permittee will provide a post-discharge activity report that includes the following information:
    a. Activity description and purpose;
    b. Activity location, start date, and completion date;
    c. Erosion control and pollution prevention measures applied;
    d. The net change in impact area by water body type(s) in acres, linear feet and cubic yards;
    e. Mitigation plan, if applicable; and,
    f. Map of activity location and boundaries; post-construction photos.

Action by Water Board on Post-Discharge Activity Report: State Water Board staff will review the post-discharge Certification Deviation Report within 15 working days from receipt of a complete report. State Water Board staff will determine, in consultation with the Permittee and other regulatory agencies, if applicable, whether additional mitigation will be required. If additional mitigation is required, State Water Board staff will inform the Permittee within the 15-day review period. Determination of whether a post-discharge activity report is complete is at the discretion of State Water Board staff.

Annual Summary Deviation Report:

1. Until a Notice of Completion of Discharges Letter or Notice of Project Complete Letter is issued, include in the Annual Project Report (see Construction Notification and Reporting attachment) a compilation of all Certification Deviation activities through the reporting period with the following information:
    a. Site name(s).
    b. Date(s) of Certification Deviation approval.
    c. Location(s) of authorized activities.
    d. Impact area(s) by water body type prior to activity in acres, linear feet and cubic yards, as originally authorized in the Order.
    e. Actual impact area(s) by water body type in, acres, linear feet and cubic yards, due to Certification Deviation activity(ies).
    f. The net change in impact area by water body type(s) in acres, linear feet and cubic yards;
    g. Mitigation to be provided (approved mitigation ratio and amount).

Action by State Water Board on Annual Certification Deviation Report: Following issuance of a Notice of Completion of Discharges Letter or Notice of Project Complete Letter, the State Water Board will amend the Order to reflect all approved Certification Deviations and the amended Order will serve as a record of actual Project activities.

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Copies of this Form

In order to identify your project, it is necessary to include a copy of the Project specific Cover Sheet below with your report: please retain for your records. If you need to obtain a copy of the Cover Sheet you may download a copy of this Order as follows:

1. Go to: http://www.waterboards.ca.gov/water_issues/programs/cwa401/certifications.shtml

2. Find your Order in the table based on Applicant, Date, and Subject headers.

Report Submittal Instructions

1. Check the box on the Report and Notification Cover Sheet next to the report or notification you are submitting.

   - **Part A (Annual and Quarterly Reports):** Submitted every third month and on the yearly anniversary of the effective date of the Order until a Notice of Completion of Discharges Letter is issued.

   - **Part B (Project Status Notifications):** Used to notify the State Water Board of the status of the Project schedule.

   - **Part C (Conditional Notifications and Reports):** Required on a case by case basis for accidental discharges of hazardous materials, violation of compliance with water quality standards, notification of in-water work, or other reports.

2. Sign the Report and Notification Cover Sheet and attach all information requested for the Report Type.

3. **Electronic Report Submittal Instructions:**
   - Submit signed Report and Notification Cover Sheet and required information via email to: stateboard401@waterboards.ca.gov and cc: Brendan.Reed@waterboards.ca.gov
   - Include in the subject line of the email:
     Subject: ATTN: Brendan Reed; Reg. Measure ID: 417228_Report

Definition of Reporting Terms

1. **Active Discharge Period:** The active discharge period begins with the effective date of this Order and ends on the date that the Permittee receives a Notice of Completion of Discharges Letter or, if no post-construction monitoring is required, a Notice of Project Complete Letter. The Active Discharge Period includes all elements of the Project including site construction and restoration, and any Permittee responsible compensatory mitigation construction.

2. **Request for Notice of Completion of Discharges Letter:** This request by the Permittee to the State Water Board pertains to projects that have post construction monitoring requirements, e.g. if site restoration was required to be monitored for 5 years following construction. The State Water Board will review the request and send a Completion of Discharges Letter to the Permittee upon approval. This letter will initiate the post-discharge monitoring period.

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3. **Request for Notice of Project Complete Letter:** This request by the Permittee to the State Water Board pertains to projects that either have completed post-construction monitoring and achieved performance standards or have no post-construction monitoring requirements, and no further Project activities are planned. The State Water Board will review the request and send a Project Complete Letter to the Permittee upon approval. Termination of annual invoicing of fees will correspond with the date of this letter.

4. **Post-Discharge Monitoring Period:** The post-discharge monitoring period begins on the date of the Notice of Completion of Discharges Letter and ends on the date of the Notice of Project Complete Letter issued by the State Water Board. The Post-Discharge Monitoring Period includes continued water quality monitoring or compensatory mitigation monitoring.

5. **Effective Date:** Date of Order issuance.

Map/Photo Documentation Information

When submitting maps or photos, please use the following formats.

1. **Map Format Information:**
   Preferred map formats of at least 1:24000 (1" = 2000') detail (listed in order of preference):
   - **GIS shapefiles**: The shapefiles must depict the boundaries of all project areas and extent of aquatic resources impacted. Each shape should be attributed with the extent/type of aquatic resources impacted. Features and boundaries should be accurate to within 33 feet (10 meters). Identify datum/projection used and if possible, provide map with a North American Datum of 1983 (NAD38) in the California Teale Albers projection in feet.
   - **Google KML files** saved from Google Maps: My Maps or Google Earth Pro. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. Include URL(s) of maps. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.
   - **Other electronic format** (CAD or illustration format) that provides a context for location (inclusion of landmarks, known structures, geographic coordinates, or USGS DRG or DOQQ). Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.
   - Aquatic resource maps marked on paper **USGS 7.5 minute topographic maps** or **Digital Orthophoto Quarter Quads (DOQQ)** printouts. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.

2. **Photo-Documentation:** Include a unique identifier, date stamp, written description of photo details, and latitude/longitude (in decimal degrees) or map indicating location of photo. Successive photos should be taken from the same vantage point to compare pre/post construction conditions.

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REPORT AND NOTIFICATION COVER SHEET

Project:	I-80 Express Lanes Project		
Permittee:	Osama El Hamshary		
Reg. Meas. ID:	417228	**Place ID:**	841836
Order Effective Date:			

Report Type Submitted

Part A – Project Reporting	
Report Type 1	☐ **Quarterly Report**
Report Type 2	☐ **Annual Report**
Part B - Project Status Notifications	
Report Type 3	☐ **Commencement of Construction**
Report Type 4	☐ **Request for Notice of Completion of Discharges Letter**
Report Type 5	☐ **Request for Notice of Project Complete Letter**
Part C - Conditional Notifications and Reports	
Report Type 6	☐ **Accidental Discharge of Hazardous Material Report**
Report Type 7	☐ **Violation of Compliance with Water Quality Standards Report**
Report Type 8	☐ **In-Water Work/Diversions Water Quality Monitoring Report**
Report Type 9	☐ **Modifications to Project Report**
Report Type 10	☐ **Transfer of Property Ownership Report**
Report Type 11	☐ **Transfer of Long-Term BMP Maintenance Report**

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"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

Print Name [1]	**Affiliation and Job Title**
Signature	**Date**

[1]STATEMENT OF AUTHORIZATION (include if authorization has changed since application was submitted)

I hereby authorize _____ to act in my behalf as my representative in the submittal of this report, and to furnish upon request, supplemental information in support of this submittal.

Permittee's Signature _____ Date _____

***This Report and Notification Cover Sheet must be signed by the Permittee or a duly authorized representative and included with all written submittals.**

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Part A – Project Reporting

Report Type 1	Quarterly Report
Report Purpose	Notifies the State Water Board of the Project status and environmental compliance activities on a quarterly basis.
When to Submit	The Permittee shall submit a Quarterly Report to the State Water Board upon commencement of construction. Reporting shall continue until the State Water Board issues a Notice of Completion of Discharges Letter to the Permittee
Report Contents	**1. Construction Summary** Describe Project progress and schedule including initial ground disturbance, site clearing and grubbing, road construction, site construction, and the implementation status of construction storm water Best Management Practices (BMPs[1]). If impacts to waters have not occurred yet, provide estimated start date. **2. Event Summary** Describe Project activities and occurrences, including environmental monitoring, surveys, and inspections of waters of the state and aquatic species. Include an up to date list of impacts to waters of the state, including disturbed upland areas that may impact adjacent waters. This list should include the status of the impact sites (not initiated, in progress, completed, etc.) and photographs. Include a rainfall log, which should include amount (in inches) and duration (in hours) of rainfall events on site, if any overland flow was observed within or leaving the Project area, and any water quality monitoring data that was collected. **3. Photo Summary** Provide photos of Project activities, specifically activities impacting waters and erosion/sediment control materials and BMPs. For each photo, include a unique site identifier, date stamp, written description of photograph, and latitude/longitude (in decimal degrees) or map indicating location of photo. Photo stations should be established before construction in order to compare pre-construction, during construction, and post-construction conditions on site. **4. Compliance Summary** **a)** A list and/or map of erosion and sediment control materials and BMPs that are in use in the Project area. **b)** List name and organization of environmental surveyors, monitors, and

[1] Best Management Practices (BMPs) is a term used to describe a type of water pollution or environmental control.

	inspectors involved with monitoring environmental compliance for the reporting period. **c)** List associated monitoring reports for the reporting period. **d)** Summarize observed incidences of non-compliance, compliance issues, minor problems, or occurrences. **e)** Describe each observed incidence in detail. List monitor name and organization, date, location, type of incident, corrective action taken (if any), status, and resolution.

Report Type 2	**Annual Report**
Report Purpose	Notify the State Water Board of Project status during both the active discharge and post-discharge monitoring periods.
When to Submit	Annual reports shall be submitted each year on anniversary of the effective date of this order. Annual reports shall continue until a Notice of Project Complete Letter is issued to the Permittee.
Report Contents	The contents of the annual report shall include the topics indicated below for each project period. Report contents are outlined in Annual Report Topics below. **<u>During the Active Discharge Period</u>** • **Topic 1: Construction Summary** • **Topic 2: Mitigation for Temporary Impacts Status** • **Topic 3: Compensatory Mitigation for Permanent Impacts Status** **<u>During the Post-Discharge Monitoring Period</u>** • **Topic 2: Mitigation for Temporary Impacts Status** • **Topic 3: Compensatory Mitigation for Permanent Impacts Status**
Annual Report Topics (1-3)	
Annual Report Topic 1	**Construction Summary**
When to Submit	With the annual report during the Active Discharge Period.
Report Contents	**1.** Project progress and schedule including initial ground disturbance, site clearing and grubbing, road construction, site construction, and the implementation status of construction storm water best management practices (BMPs). If construction has not started, provide estimated start date and reasons for delay. **2.** Map showing general Project progress.

	3. If applicable: **a.** Summary of Conditional Notification and Report Types 6 and 7 (Part C below). **b.** Summary of Certification Deviations. See Certification Deviation Attachment for further information.
Annual Report Topic 2	**Mitigation for Temporary Impacts Status**
When to Submit	With the annual report during both the Active Discharge Period and Post-Discharge Monitoring Period.
Report Contents	**1.** Planned date of initiation and map showing locations of mitigation for temporary impacts to waters of the state and all upland areas of temporary disturbance which could result in a discharge to waters of the state**.** **2.** If mitigation for temporary impacts has already commenced, provide a map and information concerning attainment of performance standards contained in the restoration plan.
Annual Report Topic 3	**Compensatory Mitigation for Permanent Impacts Status**
When to Submit	With the annual report during both the Active Discharge Period and Post-Discharge Monitoring Period.
Report Contents	***If not applicable report N/A.** **Part A. Permittee Responsible** **1.** Planned date of initiation of compensatory mitigation site installation**.** **2.** If installation is in progress, a map of what has been completed to date. **3.** If the compensatory mitigation site has been installed, provide a final map and information concerning attainment of performance standards contained in the compensatory mitigation plan. **Part B. Mitigation Bank or In-Lieu Fee** **1.** Status or proof of purchase of credit types and quantities. **2.** Include the name of bank/ILF Program and contact information. **3.** If ILF, location of project and type if known.

Part B – Project Status Notifications

Report Type 3	Commencement of Construction
Report Purpose	Notify the State Water Board prior to the start of construction.
When to Submit	Must be received at least seven (7) days prior to start of initial ground disturbance activities.
Report Contents	**1.** Date of commencement of construction. **2.** Anticipated date when discharges to waters of the state will occur. **3.** Project schedule milestones including a schedule for onsite compensatory mitigation, if applicable.

Report Type 4	Request for Notice of Completion of Discharges Letter
Report Purpose	Notify the State Water Board that post-construction monitoring is required and that active Project construction, including any mitigation and permittee responsible compensatory mitigation, is complete.
When to Submit	Must be received by the State Water Board within thirty (30) days following completion of all Project construction activities.
Report Contents	**1.** Status of storm water Notice of Termination(s), if applicable. **2.** Status of post-construction storm water BMP installation. **3.** Pre- and post-photo documentation of all Project activity sites where the discharge of dredge and/or fill/excavation was authorized. **4.** Summary of Certification Deviation discharge quantities compared to initial authorized impacts to waters of the state, if applicable. **5.** An updated monitoring schedule for mitigation for temporary impacts to waters of the state and permittee responsible compensatory mitigation during the post-discharge monitoring period, if applicable.

Report Type 5	Request for Notice of Project Complete Letter
Report Purpose	Notify the State Water Board that construction and/or any post-construction monitoring is complete, or is not required, and no further Project activity is planned.
When to Submit	Must be received by the State Water Board within thirty (30) days following completion of all Project activities.
Report Contents	**Part A: Mitigation for Temporary Impacts** **1.** A report establishing that the performance standards outlined in the restoration plan have been met for Project site upland areas of temporary disturbance which could result in a discharge to waters of the state.

	2. A report establishing that the performance standards outlined in the restoration plan have been met for restored areas of temporary impacts to waters of the state. Pre- and post-photo documentation of all restoration sites. **Part B: Permittee Responsible Compensatory Mitigation** **3.** A report establishing that the performance standards outlined in the compensatory mitigation plan have been met. **4.** Status on the implementation of the long-term maintenance and management plan and funding of endowment. **5.** Pre- and post-photo documentation of all compensatory mitigation sites. **6.** Final maps of all compensatory mitigation areas (including buffers). **Part C: Post-Construction Storm Water BMPs** **7.** Date of storm water Notice of Termination(s), if applicable. **8.** Report status and functionality of all post-construction BMPs.

Part C – Conditional Notifications and Reports

Report Type 6	**Accidental Discharge of Hazardous Material Report**
Report Purpose	Notifies the State Water Board that an accidental discharge of hazardous material has occurred.
When to Submit	Within five (5) working days following the date of an accidental discharge. Continue reporting as required by the State Water Board.
Report Contents	**1.** The report shall include the OES Incident/Assessment Form, a full description and map of the accidental discharge incident (i.e. location, time and date, source, discharge constituent and quantity, aerial extent, and photo documentation). If applicable, the OES Written Follow-Up Report may be substituted. **2.** If applicable, any required sampling data, a full description of the sampling methods including frequency/dates and times of sampling, equipment, locations of sampling sites. **3.** Locations and construction specifications of any barriers, including silt curtains or diverting structures, and any associated trenching or anchoring.

Report Type 7	**Violation of Compliance with Water Quality Standards Report**
Report Purpose	Notifies the State Water Board that a violation of compliance with water quality standards has occurred.
When to Submit	The Permittee shall report any event that causes a violation of water quality standards within three (3) working days of the noncompliance event notification to the State Water Board.
Report Contents	The report shall include: the cause; the location shown on a map; and the period of the noncompliance including exact dates and times. If the noncompliance has not been corrected, include: the anticipated time it is expected to continue; the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance; and any monitoring results if required by the State Water Board.

Report Type 8	**In-Water Work and Diversions Water Quality Monitoring Report**
Report Purpose	Notifies the State Water Board of the completion of in-water work.
When to Submit	Within three (3) working days following the completion of in-water work. Continue reporting in accordance with the approved water quality monitoring plan.
Report Contents	As required by the approved water quality monitoring plan.

Report Type 9	**Modifications to Project Report**
Report Purpose	Notifies the State Water Board if the Project, as described in the application materials, is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority.
When to Submit	If Project implementation as described in the application materials is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority.
Report Contents	A description and location of any alterations to Project implementation. Identification of any Project modifications that will interfere with the Permittee's compliance with the Order.

Report Type 10	**Transfer of Property Ownership Report**
Report Purpose	Notifies the State Water Board of change in ownership of the Project or Permittee-responsible mitigation area.
When to Submit	At least 10 working days prior to the transfer of ownership.
Report Contents	**1.** A statement that the Permittee has provided the purchaser with a copy of this Order and that the purchaser understands and accepts: **a.** the Order's requirements and the obligation to implement them or be subject to administrative and/or civil liability for failure to do so; and **b.** responsibility for compliance with any long-term BMP[2] maintenance plan requirements in this Order. **2.** A statement that the Permittee has informed the purchaser to submit a written request to the State Water Board to be named as the permittee in a revised order.

Report Type 11	**Transfer of Long-Term BMP Maintenance Report**
Report Purpose	Notifies the State Water Board of transfer of long-term BMP maintenance responsibility.
When to Submit	At least 10 working days prior to the transfer of BMP maintenance responsibility.
Report Contents	A copy of the legal document transferring maintenance responsibility of post-construction BMPs.

[2] Best Management Practices (BMPs) is a term used to describe a type of water pollution or environmental control.