CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

2375 Northside Drive, Suite.100, San Diego, CA 92108
Phone (619) 516-1990 • Fax (619) 516-1994
http://www.waterboards.ca.gov/sandiego/

Amendment No. 1 to Clean Water Act Section 401 Water Quality Certification No. R9-2013-0035

PROJECT: **State Route 76 South Mission Road to Interstate 15**
Certification Number R9-2013-0035
WDID: 9000002555

APPLICANT: **California Department of Transportation**
District 11
M.S. 242
4050 Taylor Street
San Diego, CA 92110

Reg. Meas. ID: 389023
Place ID: 791510
Party ID: 7222
Person ID: 538589

On July 19, 2013, Clean Water Act Section 401 Water Quality Certification No. R9-2013-0035 (Certification) was issued to the California Department of Transportation (Applicant) for the State Route 76 South Mission Road to Interstate 15 Project (Project).

By letter dated October 22, 2014, the Applicant requested the Certification be amended to allow for additional impacts of 0.04 acre and 39 linear feet. These impacts were planned, however they were inadvertently omitted from the application process and were not included in the Certification. These additional impacts will be to a manufactured, vegetated drainage channel that is tributary to Horse Ranch Creek. The drainage channel drains State Route 76 and the surrounding areas and has lost design capacity due to sedimentation and excess vegetation. The additional proposed work is comprised of the removal of sediment and vegetation from the drainage channel, and revegetation of the drainage channel with the native hydrophytic plant species.

Based on the Applicant's request, the San Diego Water Board is amending the Certification. Except as modified or superseded by the Certification modifications set forth below, all of the findings, provisions and other requirements of Certification No. R9-2013-0035 remain in full force and effect. The following changes are made to Certification No. R9-2013-0035 and are shown in underline/strikeout format to indicate added and removed language:

Page 3, PROJECT DESCRIPTION is modified as follows:

Project construction will permanently impact ~~5.46 acres (6,708 linear feet)~~ 5.50 acres (6,747 linear feet) of jurisdictional waters of the United States and State which include ~~5.34 acres (5,520 linear feet)~~ 5.38 acres (5,559) of wetlands (Southern willow scrub) and 0.12 acres (1,188 linear feet) of non-wetlands waters (streambed). The Applicant reports that the Project purpose cannot be practically accomplished in a manner which would avoid or result in less adverse impacts to aquatic resources considering all

potential practicable alternatives, such as the potential for alternate available locations, designs, reductions in size, configuration or density.

Compensatory mitigation for the Project's permanent impacts to jurisdictional waters will be achieved through establishment (66.0 acres, 7,297 linear feet) and rehabilitation (20.24 acres, 7,953 linear feet) of waters of the United States and/or State in the vicinity of the Project. All temporary impacts to waters of the United States and/or State will be restored to pre-project conditions. Mitigation for impacts to wetland and vegetated non-wetland waters of the United States and/or State will be established by the Applicant at the Tabata and Vessels mitigation sites in the San Luis Rey River valley. The mitigation areas will be conserved through a recorded conservation easement.

Page 10, PROJECT IMPACTS AND COMPENSATORY MITIGATION is modified as follows:

A. Unavoidable impacts to the San Luis Rey River, Live Oak Creek, and their unnamed tributaries within the San Luis Rey Watershed must be limited to the impacts listed in the table below. At a minimum, compensatory mitigation for these impacts to waters of the of the United States and/or State must be achieved as follows:

	Impacts (acres)	**Impacts (linear ft.)**	**Mitigation for Impacts (acres)**	**Mitigation for Impacts (linear ft.)**	**Mitigation Ratio (area mitigated :area impacted)**
Permanent Impacts					
Streambed	0.12	1188	2.14 Rehabilitation	2158	17.8:1
Wetland	~~5.34~~ 5.38	~~5,520~~ 5,559	66.0 Establishment, 18.1 Rehabilitation	7,297 Establishment, 5,795 Rehabilitation	~~15.7:1~~ 15.6:1
Temporary Impacts[1]					
Unvegetated Streambed	0.11	841	0.11 Restoration	841 Restoration	1:1
Wetland	4.89	5655	4.89 Restoration	5655 Restoration	1:1

1. Must restore all areas of temporary impacts to pre-project contours and revegetation with native species.

Notification: Any person aggrieved by this action of the San Diego Water Board may petition the State Water Resources Control Board (State Water Board) to review the action in accordance with the California Code of Regulations, title 23, sections 3867 and following. The State Water Board must receive the petition by 5:00 p.m., 30 days after the date of this Certification Amendment. Copies of the law and regulations applicable to filing petitions may be found on the Internet at: http://www.waterboards.ca.gov/public_notices/petitions/water_quality or will be provided upon request.

I, David W. Gibson, Executive Officer, do hereby certify the forgoing is a full, true, and correct copy of Amendment No. 1 to Certification No. R9-2013-0035 issued on February 26, 2015.

David W. Gibson

DAVID W. GIBSON
Executive Officer
San Diego Water Board

26 February 2015
Date

California Department of Transportation
State Route 76 South Mission Road
to Interstate 15 Highway
Certification No. R9-2013-0035

PROJECT FIGURES and MAPS

Hwy 76 & I-15 Horse Ranch Creek – Proposed Project

Horse Ranch Creek Drainage Improvement aerial image

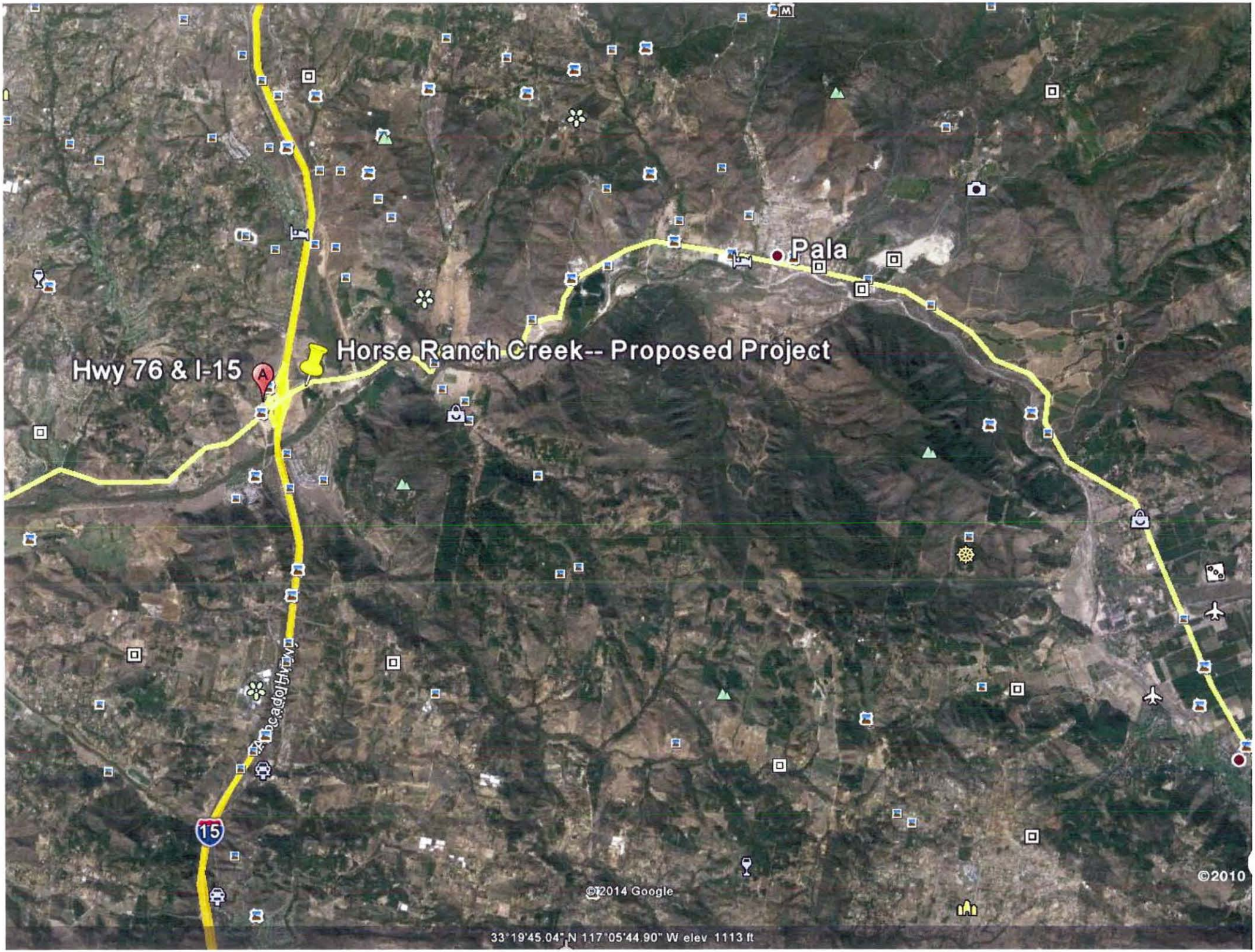
Horse Ranch Creek Drainage Improvement topographic map

Layout L-28

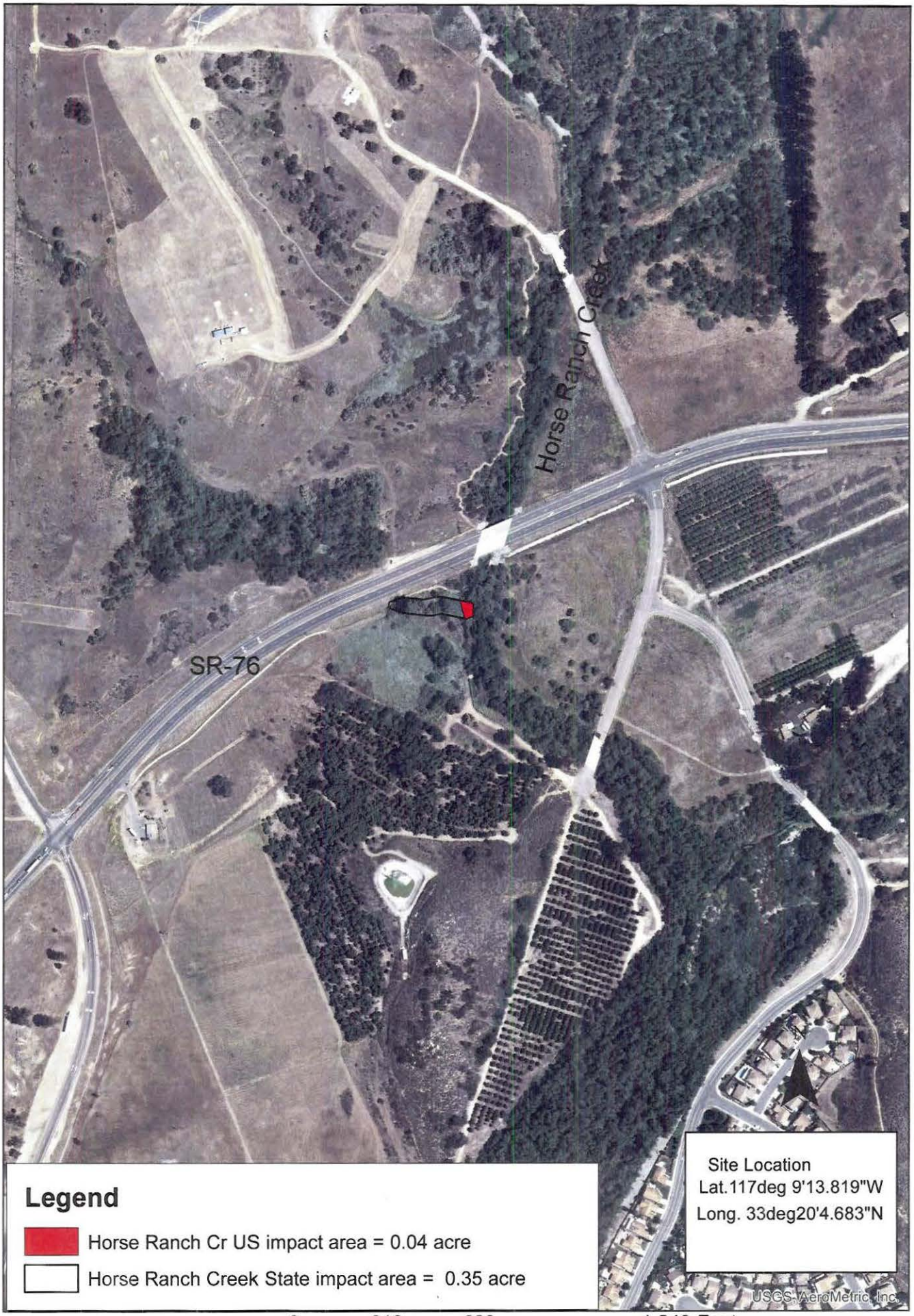
Contour Grading G-28

Profile P-2

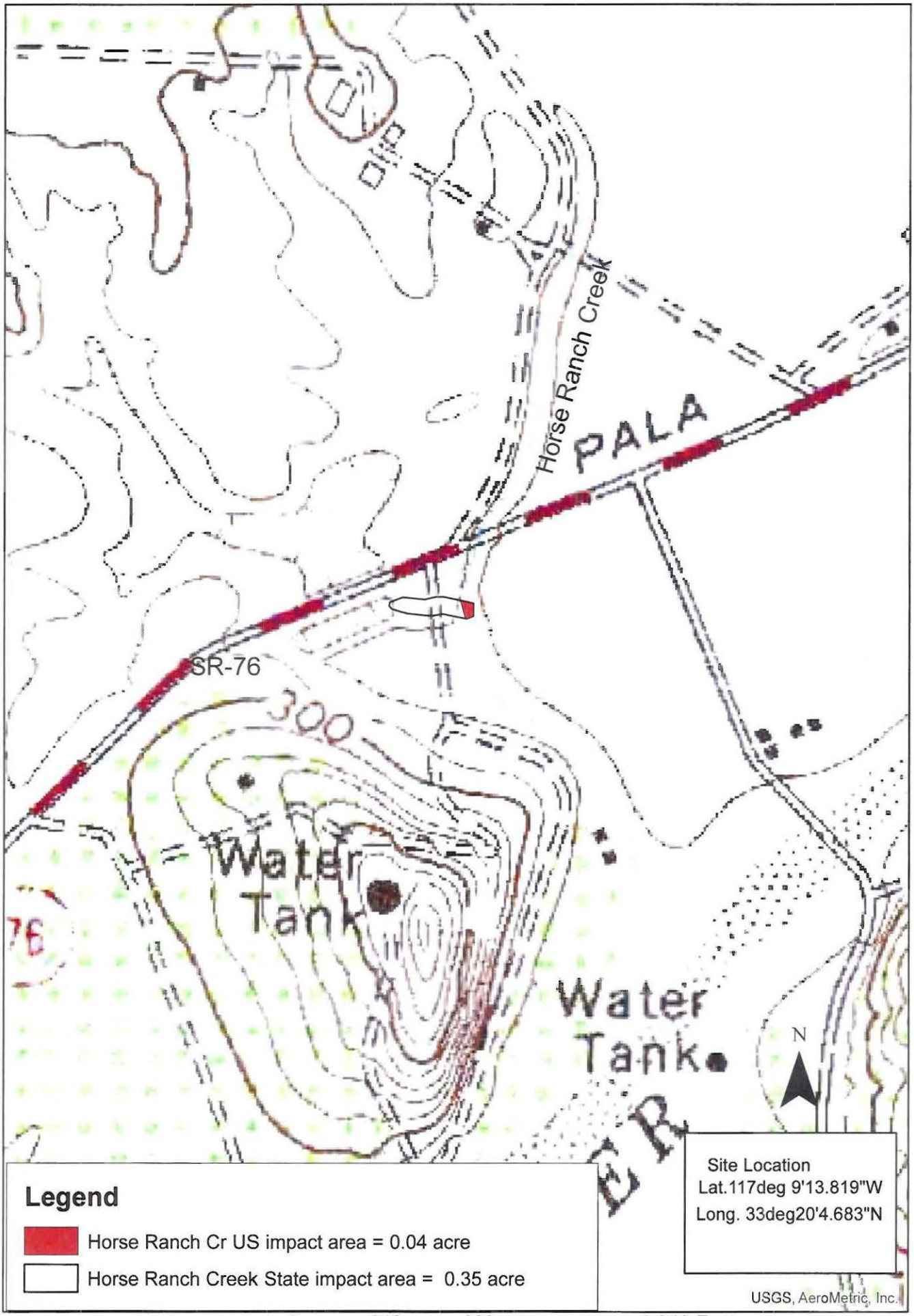
Planting Plan


Pala
Horse Ranch Creek-- Proposed Project
Hwy 76 & I-15
A
Pala Mesa Hwy
15
©2014 Google
©2010
33°19'45.04" N 117°05'44.90" W elev 1113 ft

Horse Ranch Creek Drainage Improvement



Horse Ranch Creek Drainage Improvement



NOTE:
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	47	1273

REGISTERED CIVIL ENGINEER — DATE 11-12-13

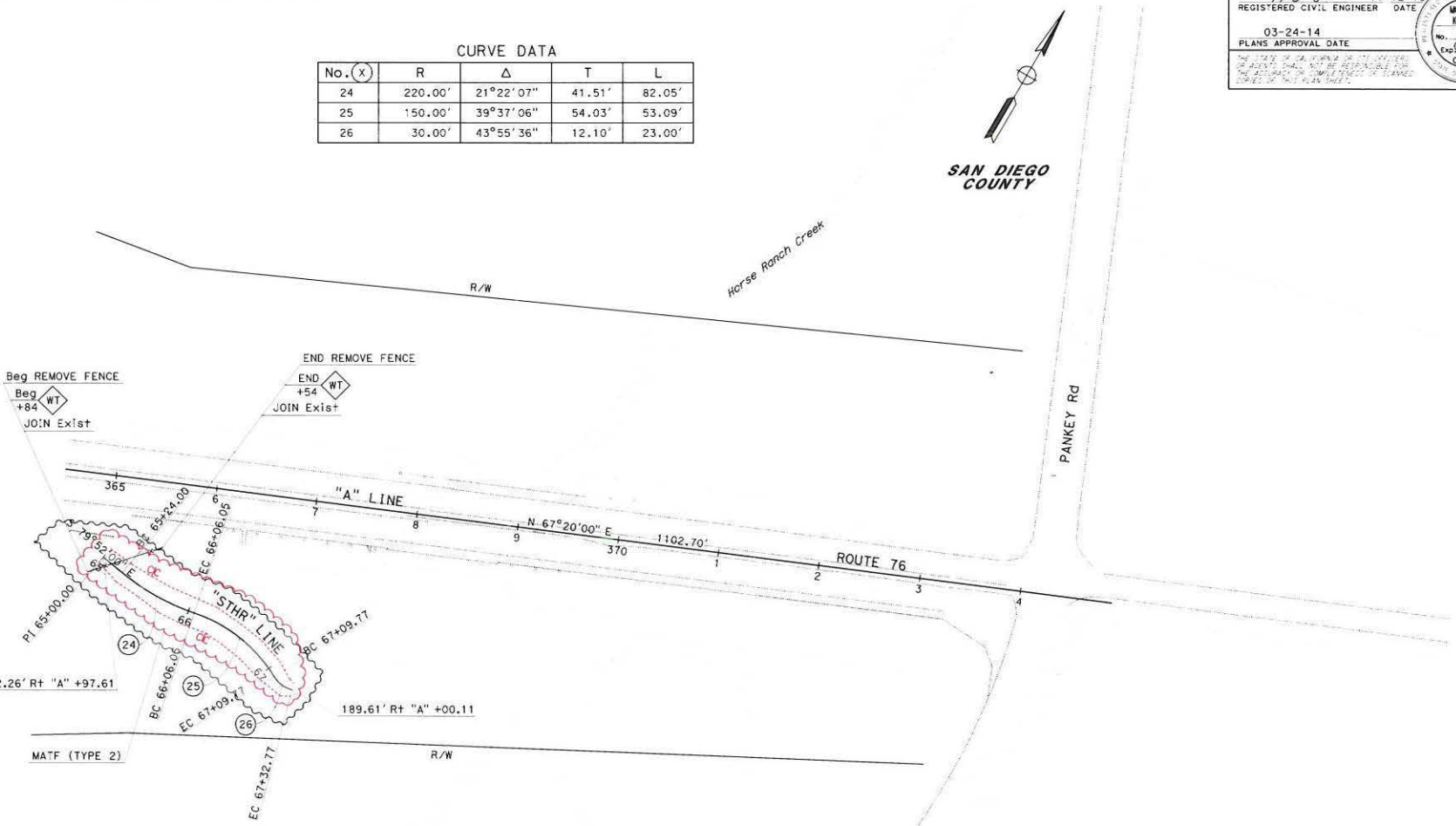
MOHAMAD KHATIB No. C63411 Exp. 09-30-14 CIVIL

PLANS APPROVAL DATE 03-24-14

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF CAD FILES OTHER THAN PLAN SHEETS.

CURVE DATA

No. (X)	R	Δ	T	L
24	220.00'	21°22'07"	41.51'	82.05'
25	150.00'	39°37'06"	54.03'	53.09'
26	30.00'	43°55'36"	12.10'	23.00'



LAYOUT

SCALE: 1" = 50'

L - 28

STATE OF CALIFORNIA — DEPARTMENT OF TRANSPORTATION
PROJECT DEVELOPMENT
FUNCTIONAL SUPERVISOR: CARL SAVAGE
CALCULATED/DESIGNED BY: MOHAMAD KHATIB
CHECKED BY: WAMEEDH TOZY
DATE REVISED / REVISED BY

DATE PLOTTED => 02-28-14
TIME PLOTTED =>

BORDER LAST REVISED 7/2/2013
USERNAME =>
DGN FILE =>
RELATIVE BORDER SCALE IS IN INCHES
UNIT 2765
PROJECT NUMBER & PHASE 1100020489

NOTE:
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. NO GRADING WORK SHOWN ON THIS SHEET.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	258	1273

REGISTERED CIVIL ENGINEER — 11-12-13 DATE

03-24-14
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF CHANGES MADE TO THIS PLAN SHEET.

MOHAMAD KHATIB
No. C63411
Exp 09-30-14
CIVIL

APPROVED FOR CONTOUR GRADING WORK ONLY

CONTOUR GRADING
SCALE: 1" = 50'

G-28

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans PROJECT DEVELOPMENT
FUNCTIONAL SUPERVISOR: CARL SAVAGE
CALCULATED/DESIGNED BY: MOHAMAD KHATIB
CHECKED BY: RAYMOND ALCAFARAS
REVISED BY | DATE REVISED

BORDER LAST REVISED 7/01/2010
USERNAME => s'[illegible]'
DGN FILE => '[illegible]'
RELATIVE BORDER SCALE TO BE IN INCHES
UNIT 2765
PROJECT NUMBER & PHASE 11000204891
DATE PLOTTED => 27 OCT 2014
TIME PLOTTED => [illegible]

REGISTERED CIVIL ENGINEER — 11-12-13 DATE

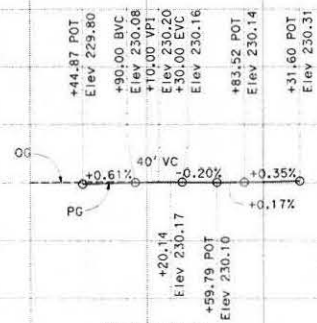
03-24-14
PLANS APPROVAL DATE

MOHAMAD KHATIB No. C63411 Exp 09-30-14 CIVIL

3 REPLACED PER ADDENDUM No. 3 DATED JUNE 6, 2014

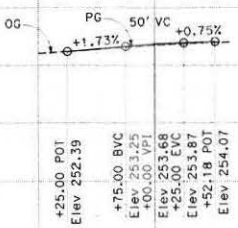
3

STATE OF CALIFORNIA — DEPARTMENT OF TRANSPORTATION
PROJECT DEVELOPMENT
FUNCTIONAL SUPERVISOR: CARL SAVAGE
CALCULATED BY: MOHAMAD KHATIB
CHECKED BY: ROBERT WILLIAMS
REVISED BY / DATE REVISED



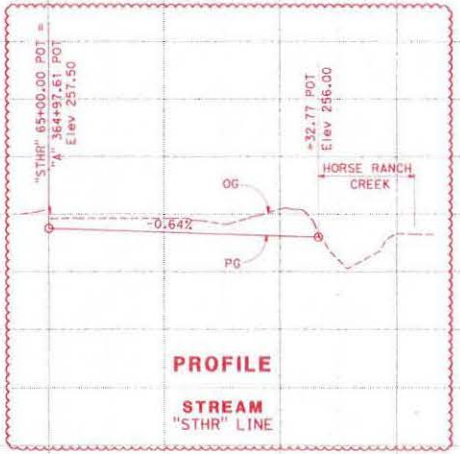
PROFILE

STAR TRACK WAY KNUCKLE
"STAR" LINE



PROFILE

PALA CUL DE SAC
"PALA" LINE



PROFILE

STREAM
"STHR" LINE

PROFILE

SCALE: Horiz 1"=50'
Vert 1"=10'

P-2

STATION	10	11	12	13	10	11	12	13	14	65	66	67	68	TOTAL
CY Exc											0			
CY Emb											366			

BORDER LAST REVISED 7/12/2012

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DGN FILE => 11000204891sht002.dgn

RELATIVE BORDER SCALE IS IN INCHES

UNIT 2765 PROJECT NUMBER & PHASE 11000204891

DATE PLOTTED => 05-30-14
TIME PLOTTED => 11:11

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15,76	R46.2/R46.8, R12.1/R17.7	950	1273

Stephen P. Warren
LICENSED LANDSCAPE ARCHITECT

03-24-14
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LICENSED LANDSCAPE ARCHITECT — STEPHEN P. WARREN — No. 5127 — 10-31-14 — 12-31-14 — STATE OF CALIFORNIA

SAN DIEGO COUNTY

R/W

PANKEY Rd

"A" LINE

ROUTE 76

365 6 7 8 9 370 1 2 3 4

MATCH LINE SEE SHEET PP-31

27 ANE CAL
20 ART PAL
33 IVA HAY
20 JUN ACU
13 RUB JRS
20 VIT GIR
171 DIS SPI

R/W

24 BAC SAL
12 POP FRE
7 POP TRI
48 SAL EXI
24 SAL GOO
24 SAL LAE
59 SAL LAS
12 SAM MEX
5 ALN RHO (No. 5)
12 PLA RAC (No. 5)
7 POP FRE (No. 5)
5 POP TRI (No. 5)

0.17 ACRE EC (TYPE 4)
825 SQYD WEED GERMINATION

APPROVED FOR PLANTING WORK ONLY

PLANTING PLAN

SCALE: 1" = 50'

PP-32

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	SENIOR LANDSCAPE ARCHITECT	CALCULATED-DESIGNED BY	STEPHEN P. WARREN
Caltrans • LANDSCAPE ARCHITECTURE	STEPHEN ALVAREZ	CHECKED BY	JOEL HORTIZUELA

REVISED BY	DATE REVISED

LAST PLOTTED => 20-MAR-2014 12:31:13 | TIME PLOTTED => 15:52

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California Regional Water Quality Control Board, San Diego Region

Action on Request
for
Clean Water Act Section 401 Water Quality Certification
and
Waste Discharge Requirements
for
Discharge of Dredged and/or Fill Materials

PROJECT: State Route 76 South Mission Road to Interstate 15 Highway
Certification Number R9-2013-0035
WDID: 9000002555

Reg. Meas: 389023
Person: 538589
Place: 791510
Party: 7222

APPLICANT: Caltrans, District 11
4050 Taylor Street
San Diego, CA 92110

ACTION:

☐ Order for Low Impact Certification	☐ Order for Denial of Certification
☑ Order for Technically-conditioned Certification	☐ Waiver of Waste Discharge Requirements
☑ Enrollment in SWRCB GWDR Order No. 2003-017 DWQ	☐ Enrollment in Isolated Waters Order No. 2004-004 DWQ

PROJECT DESCRIPTION

The California Department of Transportation (hereinafter Applicant) submitted an application for Water Quality Certification pursuant to section 401 of the Clean Water Act for the proposed State Route 76 (SR 76) South Mission Road to Interstate 15 Highway (Project) on January 25, 2013. The California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) deemed the application complete on May 22, 2013. The Applicant proposes to discharge fill material to waters of the United States and State associated with construction of 5.6 miles of SR 76 widening and realignment. The purpose of the Project is to reduce traffic congestion and traffic delays by widening the existing two-lane highway.

The proposed Project includes the following features that will impact waters of the State and U.S.:

- Widening of the existing two-lane highway to a four-lane conventional highway, which will require the addition of approximately 1,800 linear feet of rock slope protection to protect the roadway slopes from potential erosion caused by the San Luis Rey River.

- The replacement of Live Oak Creek Bridge with a wider, longer, and higher bridge that would be located south of the existing bridge. The new bridge will accommodate four lanes of traffic, minimize flooding over the bridge deck, improve hydrologic flow, and provide a wildlife undercrossing.

- The construction of temporary river crossings and haul roads to allow construction equipment to transport fill material from the mitigation sites to the construction sites.

- The modification, addition, and removal of forty six culverts to accommodate drainage of the new highway design.

The Project will add 39.3 acres of additional impervious surfaces to the 34.0 acres of existing impervious surfaces. Post-construction Best Management Practice (BMPs) will consist of 3 biofiltration strips, 10 biofiltration cells, and 132 biofiltration swales. The BMPs employed by the Applicant must treat, at a minimum, 98 percent of the added impervious surface.

State Water Resources Control Board Water Quality Order No. 2012-0011-DWQ, NPDES No. CAS000003, *Statewide Storm Water Permit and Waste Discharge Requirements for State of California Department of Transportation* (Caltrans Statewide Permit) requires treatment of storm water runoff from 100 percent of the added impervious surfaces. This requirement can be waived by the Executive Officer if an acceptable alternative method of compliance is proposed. For this Project, the Applicant has proposed an alternative compliance method that includes treatment of 98 percent of the added impervious surface and 54 percent of the existing impervious surface. Currently, only 4 percent (1.36 acres) of the existing impervious surface of SR-76 is treated; the proposed alternative compliance method will add storm water runoff treatment to an additional 18.36 acres of impervious surface.

The Project application includes a description of the design objective, operation, and degree of treatment expected to be attained from equipment, facilities, or activities (including construction and post-construction BMPs) to treat waste and to reduce runoff or other effluents which may be discharged. Compliance with the Certification conditions will help ensure that construction and post-construction discharges from the Project will not cause onsite or offsite downstream erosion, damage to downstream properties, or otherwise damage stream habitats in violation of water quality standards in the Water Quality Control Plan for the San Diego Region (9) (Basin Plan).

Project construction will permanently impact 5.46 acres (6,708 linear feet) of jurisdictional waters of the United States and State which include 5.34 acres (5,520 linear feet) of wetlands (Southern willow scrub) and 0.12 acres (1,188 linear feet) of non-wetlands waters (streambed). The Applicant reports that the Project purpose cannot be practically accomplished in a manner which would avoid or result in less adverse impacts to aquatic resources considering all potential practicable alternatives, such as the potential for alternate available locations, designs, reductions in size, configuration or density.

Compensatory mitigation for the Project's permanent impacts to jurisdictional waters will be achieved through establishment (66.0 acres, 7,297 linear feet) and rehabilitation (20.24 acres, 7,953 linear feet) of waters of the United States and/or State in the vicinity of the Project. All temporary impacts to waters of the United States and/or State will be restored to pre-project conditions. Mitigation for impacts to wetland and vegetated non-wetland waters of the United States and/or State will be established by the Applicant at the Tabata and Vessels mitigation sites in the San Luis Rey River valley. The mitigation areas will be conserved through a recorded conservation easement.

TABLE OF CONTENTS

Attachments:

1. **Contacts and Project Information**
2. **Distribution List**
3. **Location Maps**
4. **Project Site Plans**
5. **Mitigation Figures**

I. STANDARD CONDITIONS

Pursuant to section 3860 of Title 23 of the California Code of Regulations (23 CCR), the following three standard conditions apply to all water quality certification actions:

A. This Certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to section 13330 of the Water Code and Article 6 (commencing with section 3867 of 23 CCR).

B. This Certification action is not intended and shall not be construed to apply to any discharge from any activity involving a hydroelectric facility and requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent Certification application was filed pursuant to 23 CCR subsection 3855(b), and that application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.

C. This Certification action is conditioned upon total payment of any fee required under chapter 28 (commencing with section 3830) of 23 CCR and owed by the applicant.

II. GENERAL CONDITIONS

A. Water Quality Certification No. R9-2013-0035 (Certification) is only valid if the Project begins no later than 5 (five) years from the date of issuance. If the Project has not begun within 5 years from the date of issuance, then this Certification shall expire 5 years from the date of issuance.

B. The Applicant must comply with the requirements of State Water Resources Control Board Water Quality Order No. 2003-0017-DWQ, *Statewide General Waste Discharge Requirements for Discharges of Dredged or Fill Material that have Received State Water Quality Certification*. These General Waste Discharge Requirements are accessible at: http://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/generalorders/go_wdr401regulated_projects.pdf.

C. The Applicant must, at all times, fully comply with the engineering plans, specifications and technical reports submitted to the California Regional Water Quality Control Board, San Diego Region (San Diego Water Board), to support this Certification and all subsequent submittals required as part of this Certification and as described herein. The conditions within this Certification must supersede conflicting provisions within such plans submitted as part of this Certification action. Any modifications thereto, shall require notification to the San Diego Water Board and reevaluation for individual Waste Discharge Requirements and/or Certification amendment.

D. During Project construction, the Applicant must maintain a copy of this Certification at the Project site. This Certification must be available at all times to site personnel and agencies.

E. The Applicant must allow the San Diego Water Board or the State Water Resources Control Board, and/or their authorized representative(s), (including an authorized contractor acting as their representative), upon the presentation of credentials and other documents as may be required under law, to:

1. Enter upon the Project premises where a regulated facility or activity is located or conducted, or in which records are kept under the conditions of this Certification.

2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Certification.

3. Inspect and photograph, at reasonable times, any facilities, equipment, (including monitoring and control equipment), practices, or operations regulated or required under this Certification.

4. Sample or monitor, at reasonable times, for the purposes of assuring Certification compliance, or as otherwise authorized by the Clean Water Act or California Water Code (Water Code), any substances or parameters at any location.

F. In the event of any violation or threatened violation of the conditions of this Certification, the violation or threatened violation must be subject to any remedies, penalties, process or sanctions as provided for under State law. For purposes of section 401(d) of the Clean Water Act (CWA), the applicability of any State law authorizing remedies, penalties, process 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 Certification.

G. In response to a suspected violation of any condition of this Certification, the San Diego Water Board may, pursuant to Water Code sections 13267 and 13383, require the holder of any permit or license subject to this Certification to investigate, monitor, and report information on the violation. The only restriction is that the burden, including costs of preparing the reports, must bear a reasonable relationship to the need for and the benefits to be obtained from the reports.

H. In response to any violation of the conditions of this Certification, or if the results of the Project have unintended impacts to water quality, the San Diego Water Board may modify the conditions of this Certification as appropriate to ensure compliance.

III. CONSTRUCTION BEST MANAGEMENT PRACTICES

A. Prior to the start of the Project, and annually thereafter, the Applicant must educate all personnel on the requirements in this Certification, pollution prevention measures, spill response measures, and BMPs implementation and maintenance.

B. The Applicant must, at all times, maintain appropriate types and sufficient quantities of materials on-site to contain any spill or inadvertent release of materials that may cause a condition of pollution or nuisance if the materials reach waters of the United States and/or State.

C. The Applicant must comply with the requirements of the Caltrans Statewide Permit.

D. The treatment, storage, and disposal of wastewater discharged to land or surface waters during the life of the Project must be done in accordance with waste discharge requirements established by the San Diego Water Board pursuant to Water Code sections 13260 or 13376.

E. Discharges of concentrated flow during Project construction or after Project completion must not cause downstream erosion or damage to properties or stream habitat.

F. Water containing mud, silt, or other pollutants from equipment washing or other activities, must not be discharged to waters of the United States and/or State or placed in locations that may be subjected to storm flows. Pollutants discharged to areas within a temporary stream diversion area must be removed at the end of each work day or sooner if rain is predicted.

G. All surface waters, including ponded waters, must be diverted away from areas undergoing grading, construction, excavation, vegetation removal, and/or any other activity which may result in a discharge to the receiving water. Temporary diversion activities must not result in the degradation of beneficial uses or exceedance of water quality objectives of the receiving waters. Any temporary dam or other artificial obstruction constructed must only be built from materials such as clean gravel which will cause little or no siltation. Normal flows must be restored to the affected stream immediately upon completion of temporary work at that location.

H. All areas that have 14 or more days of inactivity must be stabilized with erosion and sediment control BMPs within 14 days of the last activity. The Applicant is responsible for implementing and maintaining BMPs to prevent erosion of the rough graded areas. After completion of grading, all areas must be revegetated with native species appropriate for the area. The revegetation palette must not contain any plants listed on the California Invasive Plant Council Invasive Plant Inventory, which can be found online at http://www.cal-ipc.org/ip/inventory/weedlist.php.

I. Except as authorized by this Certification, substances hazardous to aquatic life including, but not limited to, petroleum products, raw cement/concrete, asphalt, and coating materials, must be prevented from contaminating the soil and/or entering waters of the United States and/or State. BMPs must be implemented to prevent such discharges during each Project activity involving hazardous materials.

J. Removal of vegetation must occur by hand, mechanically, or using United States Environmental Protection Agency (USEPA) approved herbicides deployed using applicable BMPs to prevent impacts to beneficial uses of waters of the of the United States and/or State. Use of aquatic pesticides must be done in accordance with State Water Resources Control Board Water Quality Order No. 2004-0009-DWQ, the *Statewide General National Pollution Discharge Elimination System Permit for the Discharge of Aquatic Weed Control in Waters of the United States,* and any subsequent reissuance as applicable.

K. The Applicant shall demarcate all areas of temporary and planned disturbance to waters of the of the United States and/or State prior to implementing activities within those areas such that all personnel working in those areas can clearly identify the limits of disturbance. The Applicant shall designate an on-site qualified biologist to monitor Project construction activities within or next to waters of the United States and/or State to ensure compliance with the Certification requirements. The Resident Engineer, as directed by the biologist, shall be given the authority to stop all work onsite if a violation occurs or has the potential to occur. The Applicant must report violations to the San Diego Water Board consistent with section VII.A. of this Certification. Records and field notes of the biologist's activities shall be kept on-site and made available for review upon request by the San Diego Water Board.

L. In accordance with the Caltrans General Permit and, as applicable, the State Water Resources Control Board Water Quality Order No. 2012-0011-DWQ - *General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activity*, the Applicant must submit a Storm Water Pollution Prevention Plan into the SMART System, prior to soil disturbance.

IV. POST-CONSTRUCTION BEST MANAGEMENT PRACTICES

A. The Applicant shall not allow post-construction discharges from the Project site shall not cause on-site or off-site downstream erosion or damage to properties or stream habitats.

B. The Project must be designed to comply with the post-construction BMPs requirements in the Caltrans Statewide Permit and any approved alternative compliance measures.

C. All post-construction BMPs, including those described in the *State Route 76 South Mission Road to Interstate 15 Storm Water Data Report* (SWDR), dated May 28, 2013,

must be implemented, installed, and functional prior to construction completion and maintained in perpetuity.

D. As required in provision E.d.2.d. of the Caltrans Statewide Permit, this Certification serves as an approval of the Applicant's proposal for alternative compliance included in the SWDR.

E. Post-construction BMPs, including those described in the SWDR (and any subsequent versions submitted to the San Diego Water Board), must treat, at a minimum, 98 percent of the added impervious surface, 54 percent of the projects existing impervious surface, and must be sized to comply with the following numeric sizing criteria:

1. Volume-based BMPs must be designed to mitigate (infiltrate, filter, or treat) either:

   a. The volume of runoff produced from a 24-hour 85th percentile storm event, as determined from the local historical rainfall record; or

   b. The volume of runoff, as determined from the local historical rainfall record, that achieves approximately the same reduction in pollutant loads and flows as achieved by mitigation of the 85th percentile 24-hour runoff event; or

2. Flow-based BMPs must be designed to mitigate (infiltrate, filter, or treat) either:

   a. The maximum flow rate of runoff produced from a rainfall intensity of 0.2 inch of rainfall per hour; or

   b. The maximum flow rate of runoff produced by the 85th percentile hourly rainfall intensity, as determined from the local historical rainfall record, multiplied by a factor of two; or

   c. The maximum flow rate of runoff, as determined from the local historical rainfall record, that achieves approximately the same reduction in pollutant loads and flows as achieved by mitigation of the 85th percentile hourly rainfall intensity multiplied by a factor of two.

F. All post-construction BMPs, including those described in the SWDR prepared by Caltrans (and any subsequent versions submitted to the San Diego Water Board), must comply with the requirements of the Caltrans Statewide Permit and any approved alternative compliance measures. The Applicant must, at a minimum:

1. No less than two times per year, assess the performance of the BMPs to ensure protection of the receiving waters and identify any necessary corrective measures;

2. Perform all preventive and corrective maintenance;

3. Maintain a log documenting all BMP inspections and maintenance activities.

G. The post-construction BMPs must be designed, constructed, and maintained in accordance with the most recent California Stormwater Quality Association (CASQA) [1] guidance. Maintenance activities shall include, but are not limited to:

1. Semiannual inspection for the beginning and end of the wet season for standing water, slope stability, sediment accumulation, trash and debris, and presence of burrows; and

2. Removal of accumulated trash and debris as needed to ensure proper functioning of the BMP.

H. Post-construction BMPs must be installed and functional prior to occupancy and/or planned use of developed areas.

V. PROJECT IMPACTS AND COMPENSATORY MITIGATION

A. Unavoidable impacts to the San Luis Rey River, Live Oak Creek, and their unnamed tributaries within the San Luis Rey Watershed must be limited to the impacts listed in the table below. At a minimum, compensatory mitigation for these impacts to waters of the of the United States and/or State must be achieved as follows:

	Impacts (acres)	**Impacts** (linear ft.)	**Mitigation for Impacts** (acres)	**Mitigation for Impacts** (linear ft.)	**Mitigation Ratio** (area mitigated :area impacted)
Permanent Impacts					
Streambed	0.12	1188	2.14 Rehabilitation	2158	17.8:1
Wetland	5.34	5520	66.0 Establishment, 18.1 Rehabilitation	7,297 Establishment, 5,795 Rehabilitation	15.7:1
Temporary Impacts[1]					
Unvegetated Streambed	0.11	841	0.11 Restoration	841 Restoration	1:1
Wetland	4.89	5655	4.89 Restoration	5655 Restoration	1:1

1. Must restore all areas of temporary impacts to pre-project contours and revegetation with native species.

[1] California Storm Water Quality Association (*California Storm Water BMP Handbook, New Development and Redevelopment 2003*), available on-line at: http://www.cabmphandbooks.org/ [Accessed on January 15, 2012]

B. Compensatory mitigation and the long-term management of the mitigation areas are described in the: (1) *Conceptual Mitigation Plan for the Tabata Property, May 2012;* and (2) *State Route 76 South Mission to Interstate 15 Highway Improvement Project, Vessels Mitigation Site Conceptual Wetland Mitigation Plan, May 2011* (both prepared by California Department of Transportation District 11). Any deviation from the mitigation plans must be approved by the San Diego Water Board. Mitigation, monitoring, maintenance, and the long-term management of the mitigation areas must be implemented as described in these plans. Mitigation shall be considered acceptable once it has met the predetermined success criteria for the mitigation sites identified in the mitigation plans, and must be maintained, in perpetuity, in a manner that consistently meets the success criteria. All mitigation areas shall be protected in perpetuity from land-use and maintenance activities that may threaten water quality or beneficial uses within the mitigation area.

C. The Applicant must restore all areas of temporary impacts and all other areas of temporary disturbance which could result in a discharge or a threatened discharge to waters of the United States and/or State. Restoration must include grading of disturbed areas to pre-project contours and revegetation with native species. The Applicant must implement all necessary BMPs to control erosion and runoff from restored areas associated with the Project.

D. The mitigation sites must be designed, constructed, and maintained, in perpetuity, in conformance with the following conditions:

1. Most of the channels through the mitigation sites shall be characterized by equilibrium conditions, with no evidence of severe aggradation or degradation;

2. As viewed along cross-sections, the channel and buffer shall have a variety of slopes, or elevations, that are characterized by different moisture gradients. Each sub-slope shall contain physical patch types or features that contribute to irregularity in height, edges, or surface and to complex topography overall; and

3. The mitigation sites shall have a well-developed plant community characterized by a high degree of horizontal and vertical interspersion among plant zones and layers.

E. Mitigation sites must be maintained, in perpetuity, free of perennial exotic plant species including, but not limited to, pampas grass, giant reed, tamarisk, sweet fennel, tree tobacco, castor bean, and pepper tree. Annual exotic plant species must not occupy more than 5 percent of the mitigation sites.

F. Any maintenance activities that do not contribute to the success of the mitigation site and enhancement of beneficial uses and ecological functions and services are prohibited. Maintenance activities must be limited to the removal of trash and debris,

removal of exotic plant species, replacement of dead native plant species, and remedial measures deemed necessary for the success of the restoration program.

G. If at any time during the implementation and establishment of the mitigation area(s), and prior to verification of meeting success criteria, a catastrophic natural event (e.g., fire, flood) occurs and impacts the mitigation area, the Applicant shall repair and replant of the damaged area(s).

H. San Diego Water Board acceptance of the final mitigation plan applies only to the Project described in this Certification and must not be construed as approval for other current or future projects that are planning to use additional acreage at the site for mitigation.

I. For purposes of this Certification, establishment is defined as the creation of vegetated or unvegetated waters of the United States/State where the resource has never previously existed (e.g. conversion of nonnative grassland to a freshwater marsh). Restoration is divided into two activities, re-establishment and rehabilitation. Re-establishment is defined as the return of natural/historic functions to a site where vegetated or unvegetated waters of the United States/State previously existed (e.g., removal of fill material to restore a drainage). Rehabilitation is defined as the improvement of the general suite of functions of degraded vegetated or unvegetated waters of the United States/State (e.g., removal of a heavy infestation or monoculture of exotic plant species from jurisdictional areas and replacing with native species). Enhancement is defined as the improvement to one or two functions of existing vegetated or unvegetated waters of the United States/State (e.g., removal of small patches of exotic plant species from an area containing predominantly natural plant species). Preservation is defined as the acquisition and legal protection from future impacts in perpetuity of existing vegetated or unvegetated waters of the United States/State (e.g., conservation easement).

VI. MONITORING REQUIREMENTS

A. Benthic Macroinvertebrate Community Analysis

Bioassessment monitoring must be performed using the *Standard Operating Procedures for Collecting Benthic Macroinvertebrate Samples and Associated Physical and Chemical Data for Ambient Bioassessments in California*[1] (or any updated versions of this protocol) to assess effects of the Project impacts on the water quality of receiving waters and the success of the mitigation areas. The Applicant must conduct the full suite of physical habitat measures at all bioassessment stations during all sampling events. The benthic macroinvertebrate community must be identified using

[1] Copies of the bioassessment procedure can be obtained at http://www.waterboards.ca.gov/water_issues/programs/swamp/docs/phab_sopr6.pdf. Additional Information on Stream bioassessment may be obtained at http://www.waterboards.ca.gov/rwqcb9/water_issues/programs/bioassessment/index.shtml

the Southwest Association of Freshwater Invertebrate Taxonomists' Standard Taxonomic Effort Level II method and all identifications must follow the *Standard Operating Procedures for Laboratory Processing and Identification of Benthic Macroinvertebrates in California* (Woodard et al. 2012).

At a minimum, bioassessment monitoring must be performed at the Project site and the mitigation areas in the following rivers and streams: San Luis Rey River, Live Oak Creek, Ostrich Farms Creek, and Bonsall Creek. The monitoring must occur prior to construction of the improved highway, prior to the establishment of the Tabata mitigation site, and during year three and year six following construction completion at the following assessment stations:

Bioassessment Stations to determine Project Impacts:

1. Project Assessment Station 1 (P1): P1 is a control station, which must be located no further than 1600 meters upstream of the Project in the San Luis Rey River.

2. Project Assessment Station 2 (P2): P2 must be located approximately in the middle of the Project area in the San Luis Rey River.

3. Project Assessment Station 3 (P3): P3 must be located in the San Luis Rey River immediately downstream of the Project site which is also upstream and adjacent to the Tabata mitigation site.

4. Project Assessment Station 4 (P4): P4 is a control station and must be located no further than 100 meters upstream of the Live Oak Creek bridge in Live Oak Creek.

5. Project Assessment Station 5 (P5): P5 must be located downstream of the Live Oak Creek bridge and just upstream of the confluence with the San Luis Rey River in Live Oak Creek.

Bioassessment Stations to determine success of mitigation areas:

1. Mitigation Assessment Station 1 (M1): M1 must be located in San Luis Rey River upstream and adjacent to the Tabata mitigation site. This site can be the same site as P3.

2. Mitigation Assessment Station 2 (M2): M2 must be located in the San Luis Rey River within the Tabata mitigation site.

3. Mitigation Assessment Station 3 (M3): M3 must be located in Ostrich Farms Creek within the Tabata mitigation area.

4. Mitigation Assessment Station 4 (M4): M4 is a control station and must be located in Ostrich Farms Creek within 100 meters upstream of the Tabata mitigation area boundary.

5. Mitigation Assessment Station 5 (M5): M5 must be located in Bonsall Creek within the Tabata mitigation area.

6. Mitigation Assessment Station 6 (M6): M6 is a control station and must be located in Bonsall Creek within 100 meters upstream of the Tabata mitigation area boundary.

As Project areas recover from construction and mitigation areas are established, the Southern California Index of Biologic Integrity (IBI) (Ode et al. 2005) scores should increase as a function of time. At year six the IBI scores must not be lower than pre-construction IBI scores for stations P2, P3, P4, and P5. Mitigation Assessment Stations M2, M3, and M5 must have higher IBI scores than before the mitigation areas were established. If the year six scores are lower in the mitigation areas, the Applicant must determine the cause of the low scores and apply appropriate corrective actions in consultation with the San Diego Water Board.

If additional assessment tools to evaluate the ecosystem health become available in the future, the San Diego Water Board may contact the Applicant and require the use of the new assessment tools in addition to the IBI.

Results of the Benthic Macroinvertebrate Community Analysis must be submitted with the respective Annual Reports described in section VIII of this Certification.

B. **California Rapid Assessment Method**

The Applicant must conduct a quantitative function-based assessment of the health of wetland and riparian habitats to establish baseline conditions, set success criteria, and assess mitigation site progress at the mitigation sites and Project areas. The California Rapid Assessment Method (CRAM)[2] must be used at the ten assessment stations described in section VI.A. of this Certification and at the Vessels mitigation site prior to the start of construction, at years three and six years following construction completion, and continuing until success criteria have been met. The results of the CRAM assessment must be submitted with the respective Annual Mitigation Monitoring Reports described in Section VIII of this Certification.

Where procedures are not otherwise specified for the monitoring, sampling, and analysis, the quality assurance/quality control procedures must be conducted in accordance with the State of California's Surface Water Ambient Monitoring Program

[2] Information on CRAM is available at the California Rapid Assessment Method homepage at http://www.cramwetlands.org/

(SWAMP) Quality Assurance Program Plan (QAPP)[3], adopted by the State Water Resources Control Board.

C. **Progress Monitoring**

The Applicant must monitor compliance with this Certification, including BMP implementation, and report the monitoring results to the San Diego Water Board in accordance with the reporting requirements in section VIII of this Certification.

The San Diego Water Board may make revisions to the monitoring program at any time during the six-year monitoring term, and may include a reduction or increase in the number of parameters to be monitored, locations monitored, the frequency of monitoring, or the number and size of samples collected.

VII. NOTIFICATION REQUIREMENTS

A. The Applicant shall report any noncompliance which may endanger health or the environment. Any such information shall be provided orally to the San Diego Water Board within **24 hours** from the time the Applicant becomes aware of the circumstances. A written submission shall also be provided within five days of the time the Applicant becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The San Diego Water Board, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

B. This Certification is not transferable in its entirety or in part to any person or organization except after notice to the San Diego Water Board in accordance with the following terms:

1. **Transfer of Property Ownership.** The Applicant must notify the San Diego Water Board of any change in ownership of the Project area. Notification of change in ownership must include, but not be limited to, a statement that the Applicant has provided the purchaser with a copy of the Section 401 Water Quality Certification and that the purchaser understands and accepts the certification requirements and the obligation to implement them or be subject to liability for failure to do so; the seller and purchaser must sign and date the notification and provide such notification to the San Diego Water Board **within 10 days of the transfer of ownership.**

[3] The Quality Assurance Program Plan is available on the State Water Board's SWAMP website at http://www.waterboards.ca.gov/water_issues/programs/swamp/docs/qapp/qaprp082209.pdf

2. **Transfer of Mitigation Responsibility.** Any notification of transfer of responsibilities to satisfy the mitigation requirements set forth in this Certification must include a signed statement from an authorized representative of the new party (transferee) demonstrating acceptance and understanding of the responsibility to comply with and fully satisfy the mitigation conditions and agreement that failure to comply with the mitigation conditions and associated requirements may subject the transferee to enforcement by the San Diego Water Board under Water Code section 13385, subdivision (a). Notification of transfer of responsibilities meeting the above conditions must be provided to the San Diego Water Board **within 10 days of the transfer date.**

3. **Transfer of Post-Construction BMP Maintenance Responsibility.** The Applicant assumes responsibility for the inspection and maintenance of all post-construction structural BMPs until such responsibility is legally transferred to another entity. At the time maintenance responsibility for post-construction BMPs is legally transferred the Applicant must submit to the San Diego 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 specifications. The Applicant must provide such notification to the San Diego Water Board within **10 days** of the transfer of BMP maintenance responsibility.

Upon properly noticed transfers of responsibility, the transferee assumes responsibility for compliance with this Certification and references in this Certification to the Applicant will be interpreted to refer to the transferee as appropriate. Transfer of responsibility does not necessarily relieve the Applicant of this Certification in the event that a transferee fails to comply.

C. The Applicant must record the conservation easement by **December 31, 2013**. **Within 90 days** following recordation of the conservation easement, the Applicant must submit proof of the completed conservation easement protecting all mitigation areas and their buffers in perpetuity. The conservation easement, deed restriction, or other legal limitation on the mitigation property must be adequate to demonstrate that the site will be maintained without future development or encroachment on the site which could otherwise reduce the functions and values of the site for the variety of beneficial uses of waters of the State that it supports. The legal limitation must prohibit all residential, commercial, industrial, institutional, and transportation development, and any other infrastructure development that would not maintain or enhance the wetland and streambed functions and values of the site. The preservation mechanism must clearly prohibit activities that would result in soil disturbance or vegetation removal, other than the removal of non-native vegetation. Other infrastructure development to be prohibited includes, but is not limited to, additional utility lines, maintenance roads, and areas of maintained landscaping for recreation.

D. The Applicant must notify the San Diego Water Board in writing **at least 5 days prior to** the actual commencement of dredge, fill, and discharge activities.

VIII. REPORTING REQUIREMENTS

A. **Annual Project Reports.** The Applicant must submit annual progress reports describing the status of BMP implementation and compliance with all requirements of this Certification to the San Diego Water Board prior to **March 1** of each year following the issuance of this Certification until the Project has reached completion. The report must contain a description of each incident of noncompliance and its cause, the period of the noncompliance including exact dates and times, and if the noncompliance has not been corrected, state the anticipated time it is expected to continue; and identify the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

B. **Final Project Completion Report.** The Applicant must submit a Final Project Completion Report to the San Diego Water Board **within 30 days of completion of the Project.** The final report must include the following information:

1. Date of construction initiation.

2. Date of construction completion.

3. Status of BMPs for the Project.

4. As-built drawings no bigger than 11"X17."

5. Photo documentation of implemented post-construction BMPs. Photo documentation must be conducted in accordance with guidelines posted at http://www.waterboards.ca.gov/sandiego/water_issues/programs/401_certification/docs/StreamPhotoDocSOP.pdf. In addition, photo documentation must include Global Positioning System (GPS) coordinates for each of the photo points referenced.

C. **Mitigation Monitoring Reports.** Mitigation monitoring reports must be submitted annually until mitigation has been deemed successful by the San Diego Water Board. Annual mitigation monitoring reports must be submitted prior to **March 1** of each year. Monitoring reports must include, but not be limited to, the following information:

1. Names, qualifications, and affiliations of the persons contributing to the report;

2. A description of the progress toward establishing a program to provide for maintenance in perpetuity of all mitigation areas, including a timetable for future steps;

3. An evaluation, interpretation and tabulation of the raw quantitative and qualitative data collected in the field including the following information:

i. Detritus cover;

ii. General topographic complexity characteristics at each mitigation site;

iii. General upstream and downstream habitat and hydrologic connectivity; and

iv. Source of hydrology to the mitigation areas.

4. Qualitative and quantitative comparisons of current mitigation conditions with pre-construction conditions and previous mitigation monitoring results;

5. An evaluation of upstream and downstream habitat and hydrologic connectivity; and

6. Stream photo documentation, including all areas of permanent and temporary impact, prior to and after Project construction, and mitigation sites, including all areas of permanent and temporary impact, prior to and after Project construction. Photo documentation must be conducted in accordance with guidelines posted at http://www.waterboards.ca.gov/sandiego/water_issues/programs/401_certification/docs/StreamPhotoDocSOP.pdf. In addition, photo documentation must include Geographic Positioning System (GPS) coordinates for each of the photo points referenced.

D. The submittal of information under this Certification is required pursuant to Water Code sections 13267 and 13383. Civil liability may be administratively imposed by the San Diego Water Board for failure to submit information pursuant to Water Code sections 13268 or 13383.

E. All reports and information submitted to the San Diego Water Board must be submitted in both hardcopy and electronic format. The preferred electronic format for each report submission is one file in PDF format that is also Optical Character Recognition (OCR) capable.

F. All applications, reports, or information submitted to the San Diego Water Board must be signed and certified as follows:

1. For a corporation, by a responsible corporate officer of at least the level of vice president.

2. For a partnership or sole proprietorship, by a general partner or proprietor, respectively.

3. For a municipality, or a state, federal, or other public agency, by either a principal executive officer or ranking elected official.

4. A duly authorized representative may sign applications, reports, or information if:

   a. The authorization is made in writing by a person described 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 San Diego Water Board Executive Officer.

   If such authorization is no longer accurate because a different individual or position has responsibility for the overall operation of the Project, a new authorization satisfying the above requirements must be submitted to the San Diego Water Board prior to or together with any reports, information, or applications, to be signed by an authorized representative.

G. All applications, reports, or information submitted to the San Diego Water Board must be signed and certified as follows:

   "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."

H. The Applicant must submit reports required under this Certification, or other information required by the San Diego Water Board, to:

   Executive Officer
   California Regional Water Quality Control Board
   San Diego Region
   Attn: 401 Certification Project No. R9-2013-0035; Place 791510
   9174 Sky Park Court, Suite 100
   San Diego, California 92123

IX. CEQA FINDINGS

A. The California Department of Transportation is the lead agency under the California Environmental Quality Act (Public Resources Code section 21000, et seq., (CEQA)),and prepared an Environmental Impact Report (EIR) titled *State Route 76 South Mission Road to Interstate 15 Highway Improvement Project, San Diego County, California,* January 2012 (SCH# 2008091119). The Department of Transportation has determined the Project will have a significant effect on the environment and mitigation measures were made a condition of the Project.

B. The San Diego Water Board has reviewed the lead agency's EIR and also finds that the Project as proposed will have a significant effect on the environment and has conditioned mitigation measures accordingly and therefore determines that issuance of this Certification is consistent with the EIR.

X. PUBLIC NOTIFICATION OF PROJECT APPLICATION

On February 11, 2013, receipt of the Project application was posted on the San Diego Water Board web site to serve as appropriate notification to the public. No public comments were received.

XI. SAN DIEGO WATER BOARD CONTACT PERSON

Mike Porter, Engineering Geologist
California Regional Water Quality Control Board San Diego Region
9174 Sky Park Court, Suite 100
San Diego, CA 92101
Telephone: 858-467-2726
Email: mporter@waterboards.ca.gov

XII. WATER QUALITY CERTIFICATION

I hereby certify that the proposed discharge from the **State Route 76 South Mission Road to Interstate 15 Highway** (Certification No. R9-2013-0035) will comply with the applicable provisions of 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") of the Clean Water Act. This discharge is also regulated under State Water Board Order No. 2003-0017-DWQ, "*Statewide General Waste Discharge Requirements for Dredged or Fill Discharges that have Received State Water Quality Certification (General WDRs)*," which requires compliance with all conditions of this Water Quality Certification. Please note that enrollment under Order No. 2003-017-DWQ is conditional and, should new information come to our attention that indicates a water quality problem, the San Diego Water Board may issue individual waste discharge requirements at that time.

Except insofar as may be modified by any preceding conditions, all Certification actions are contingent on (a) the discharge being limited to, and all proposed mitigation being completed in strict compliance with, the applicants' Project description and/or the description in this Certification and in the attached Project Information Sheet, and (b) on compliance with all applicable requirements of the Water Quality Control Plan for the San Diego Basin Region (9) (Basin Plan).

I, David W. Gibson, Executive Officer, do hereby certify the forgoing is a full, true, and correct copy of Certification No. R9-2013-0035 issued on July 19, 2013.

David W. G

7-19-2013

DAVID W. GIBSON
Executive Officer
San Diego Water Board

Date

ATTACHMENT 1
CONTACTS AND PROJECT INFORMATION

Applicant:	Ms. Ann Fox Caltrans District 11 4050 Taylor Street MS 331 San Diego, CA 92110 Telephone: 619-688-6803 Email: ann.fox@dot.ca.gov
Applicant Representatives:	Ms. Kim Smith 4050 Taylor Street MS 242 San Diego, CA 92110 Telephone: 619-688-0220 Facsimile: 619-688-6998 Email: kim.t.smith@dot.ca.gov
Project Location:	The proposed Project site is located in the unincorporated community of Bonsall, north-central San Diego County, on State Route 76, west of and adjacent to Interstate 15. The center of the Project is located approximately at latitude 33° 17' 37.943" north and longitude -117° 13' 23.517"east.
Receiving Waters:	San Luis Rey River, Live Oak Creek, and unnamed tributaries. San Luis Rey hydrologic unit, Lower San Luis hydrologic area, Bonsall hydrologic sub area (903.12).

ATTACHMENT 2
DISTRIBUTION LIST

Ms. Meris Bantilan-Smith
Project Manager
U.S. Army Corps of Engineers
Los Angeles District Regulatory Division
Carlsbad Field Office
Meris.Bantilan-Smith@usace.army.mil

Ms. Ann Fox
Caltrans District 11
ann.fox@dot.ca.gov

Ms. Kim Smith
Caltrans District 11
kim.t.smith@dot.ca.gov

Ms. Michelle Madigan
Associate Environmental Planner
Caltrans District 11
michelle.madigan@dot.ca.gov

U.S. EPA, OWOW, Region 9
75 Hawthorne St.
San Francisco, CA 94105
R9-WTR8-Mailbox@epa.gov

State Water Resources Control Board
Division of Water Quality
401 Water Quality Certification and Wetlands Unit
P.O. Box 100
Sacramento, CA 95812-0100
Stateboard401@waterboards.ca.gov

ATTACHMENT 3
LOCATION MAPS

Project Location Map

SR-76 South Mission Road to Interstate 15 - Highway Improvement Project

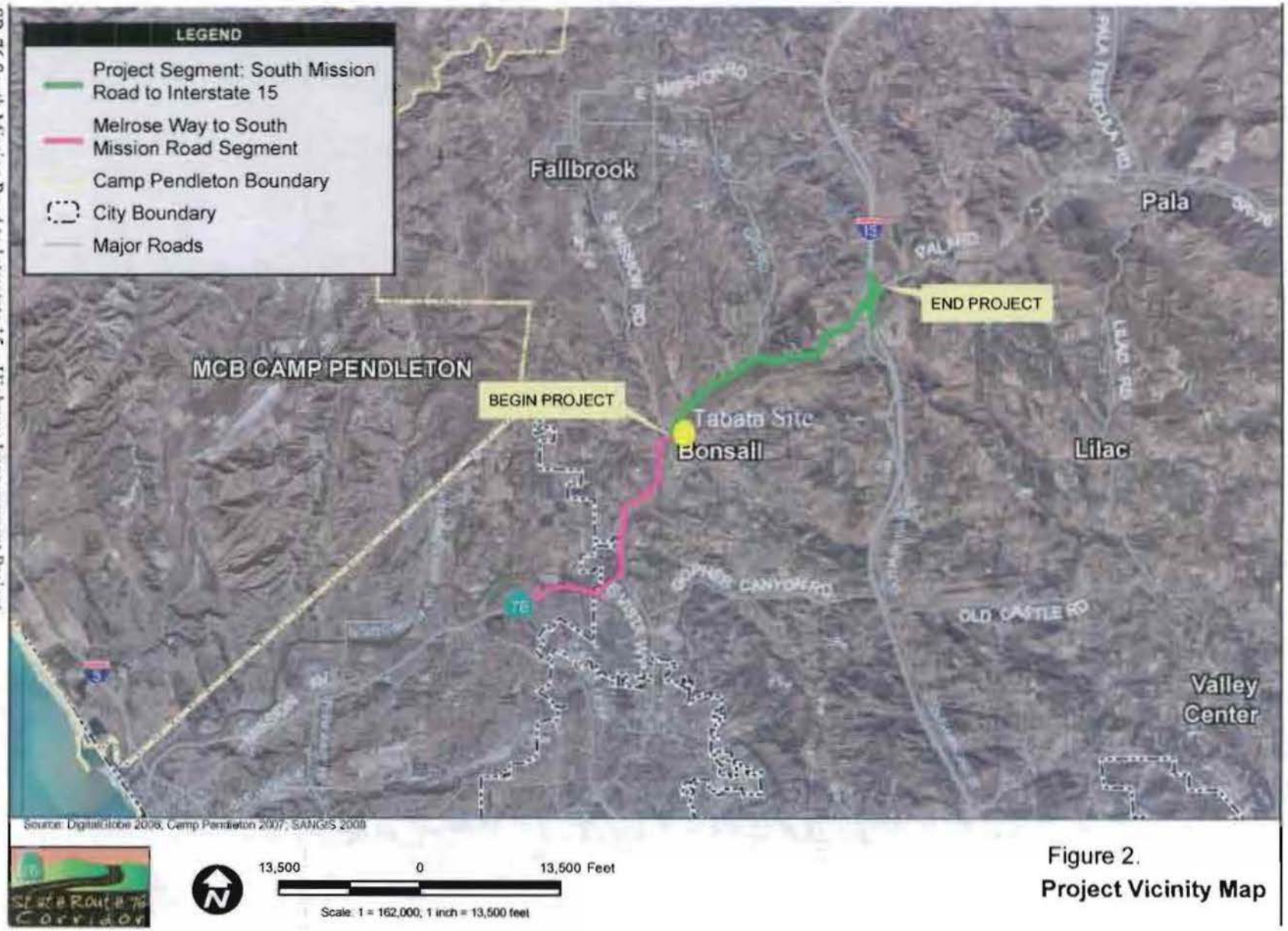
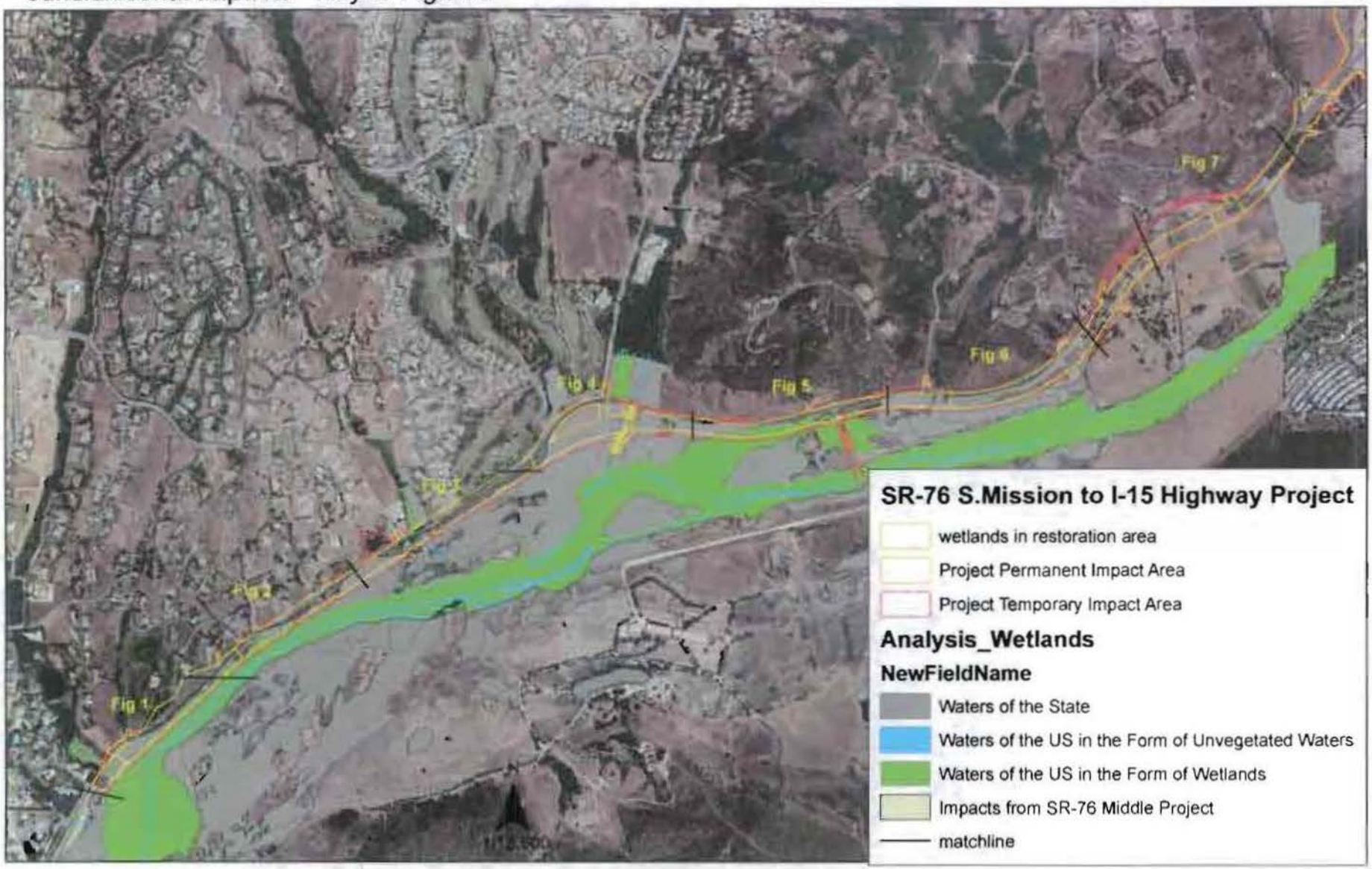


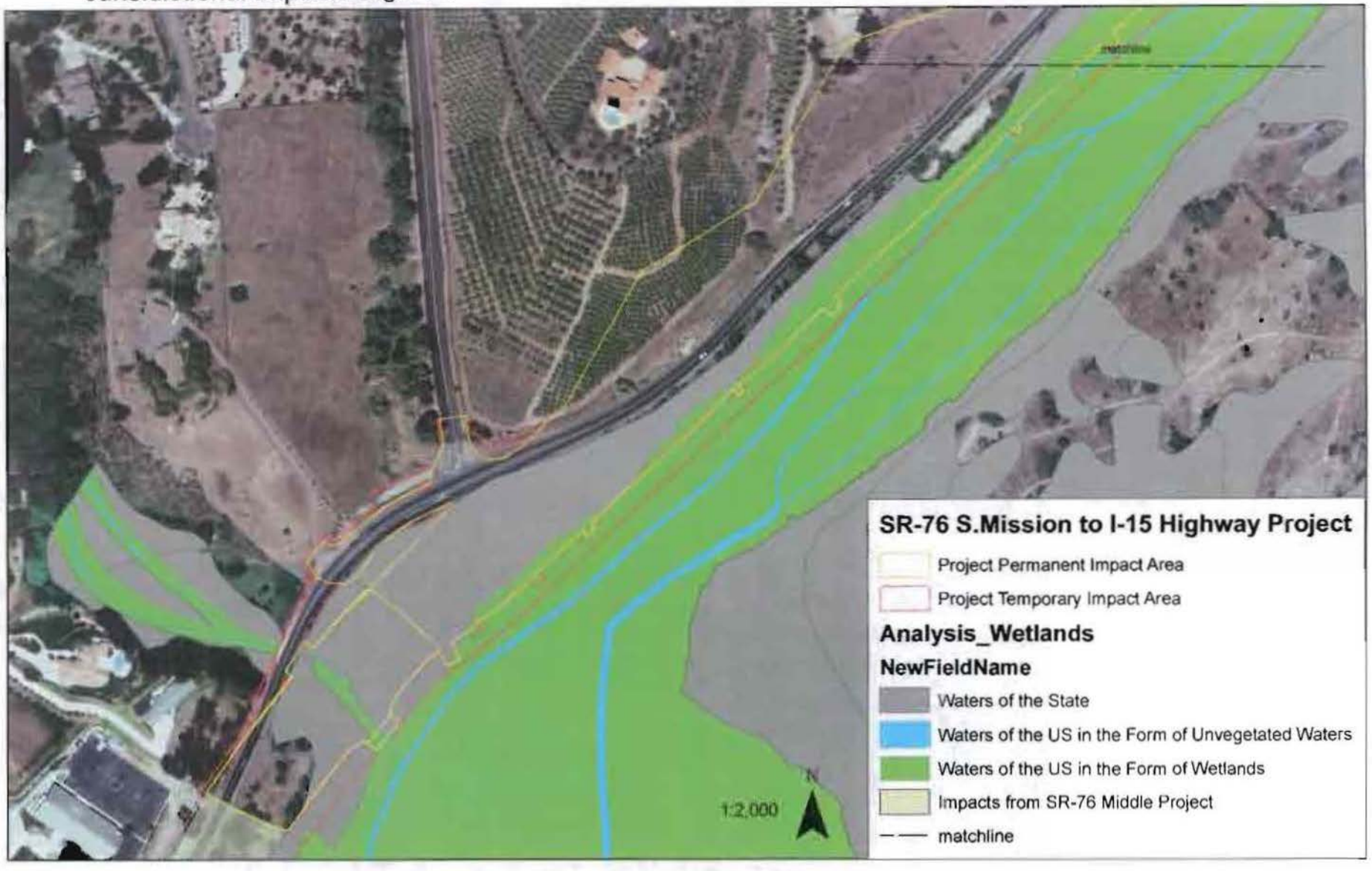
Figure 2.
Project Vicinity Map

ATTACHMENT 4
PROJECT SITE PLANS

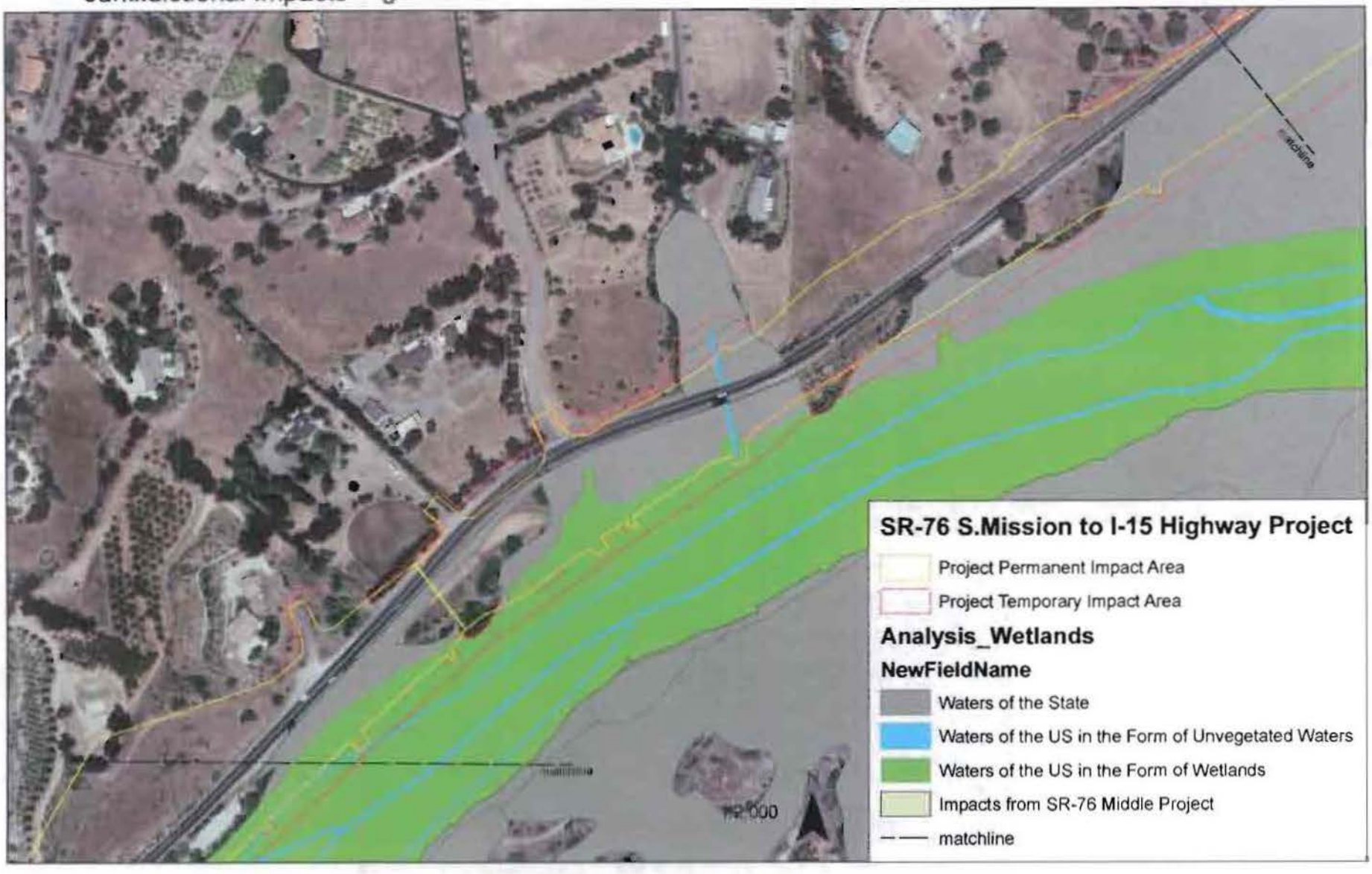
Jurisidictional Impacts - Key to Figures



Jurisidictional Impacts Figure 1

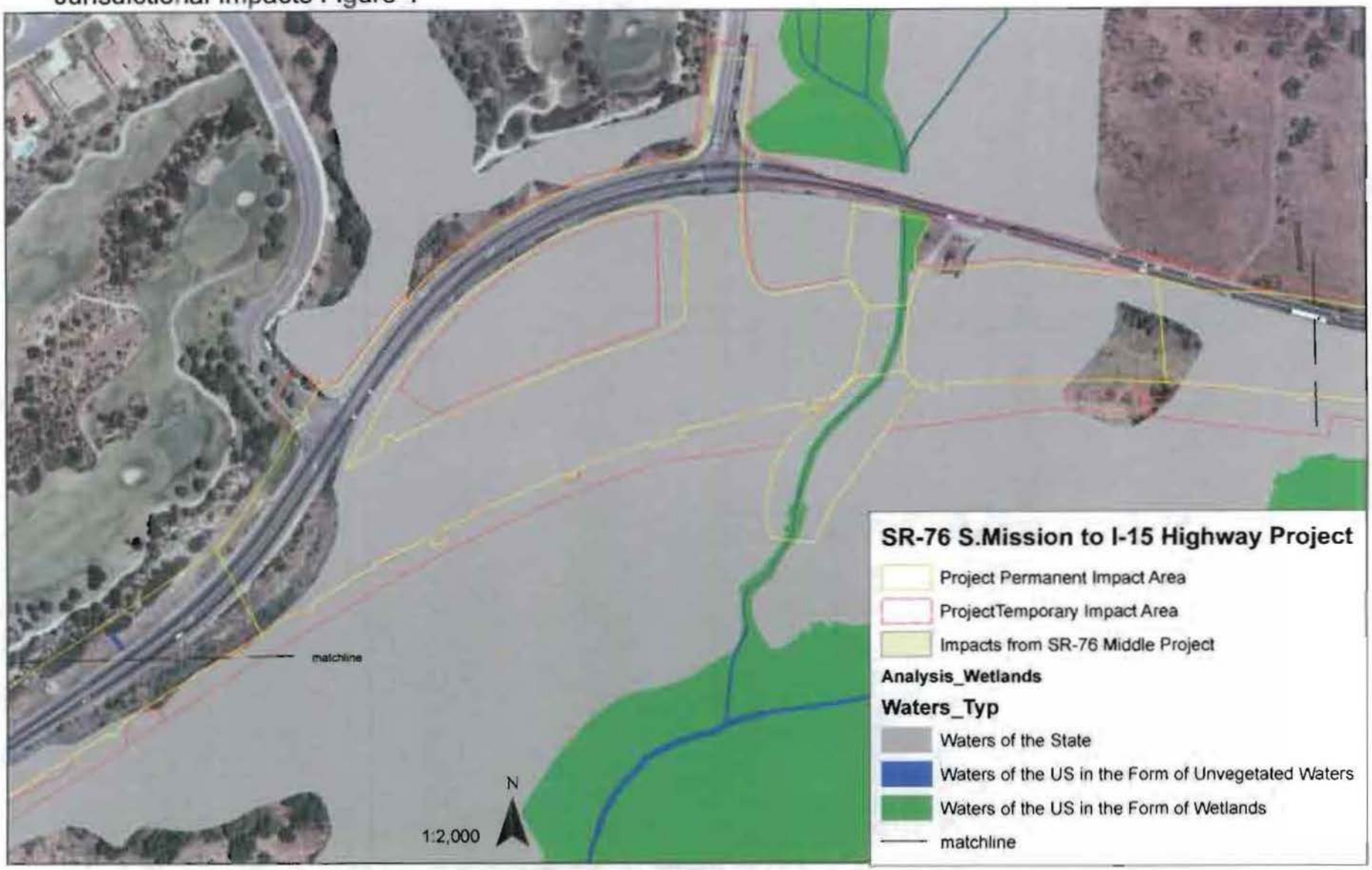


Jurisidictional Impacts Figure 2



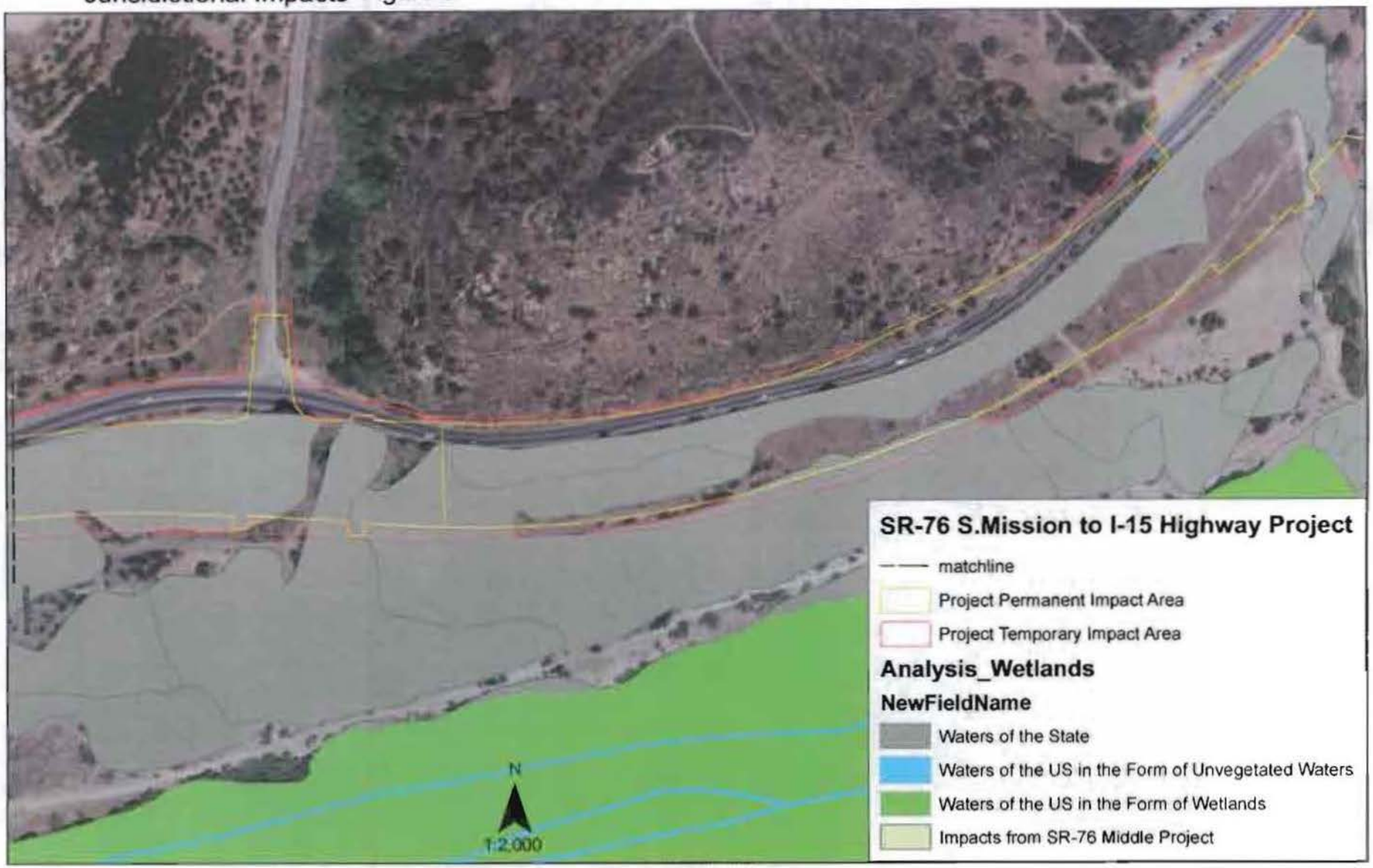
Jurisidictional Impacts Figure 3

Jurisdictional Impacts Figure 4



Jurisidictional Impacts Figure 5

Jurisidictional Impacts Figure 6



Jurisidictional Impacts Figure 7

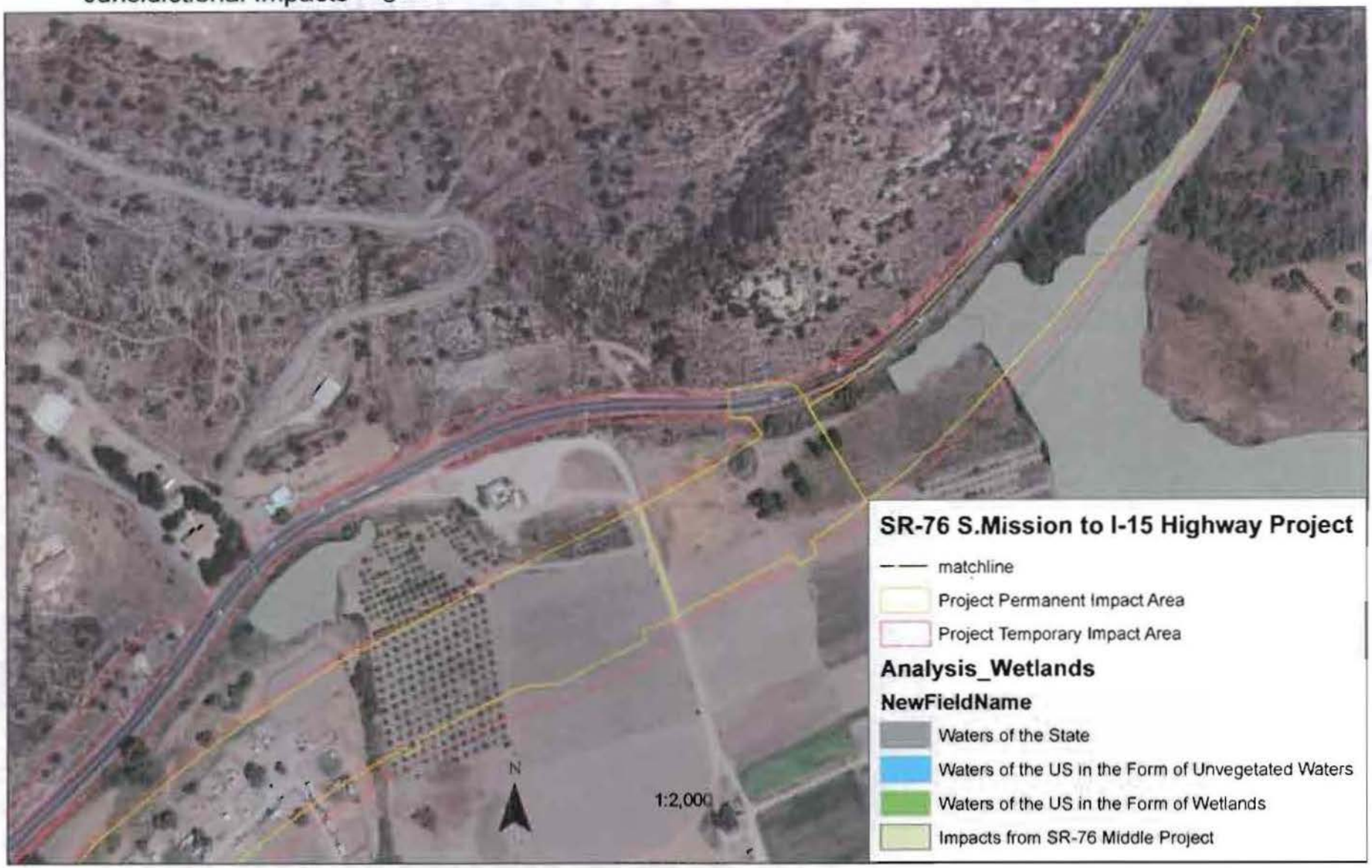


Figure 5 Temporary Haul Road Bridge

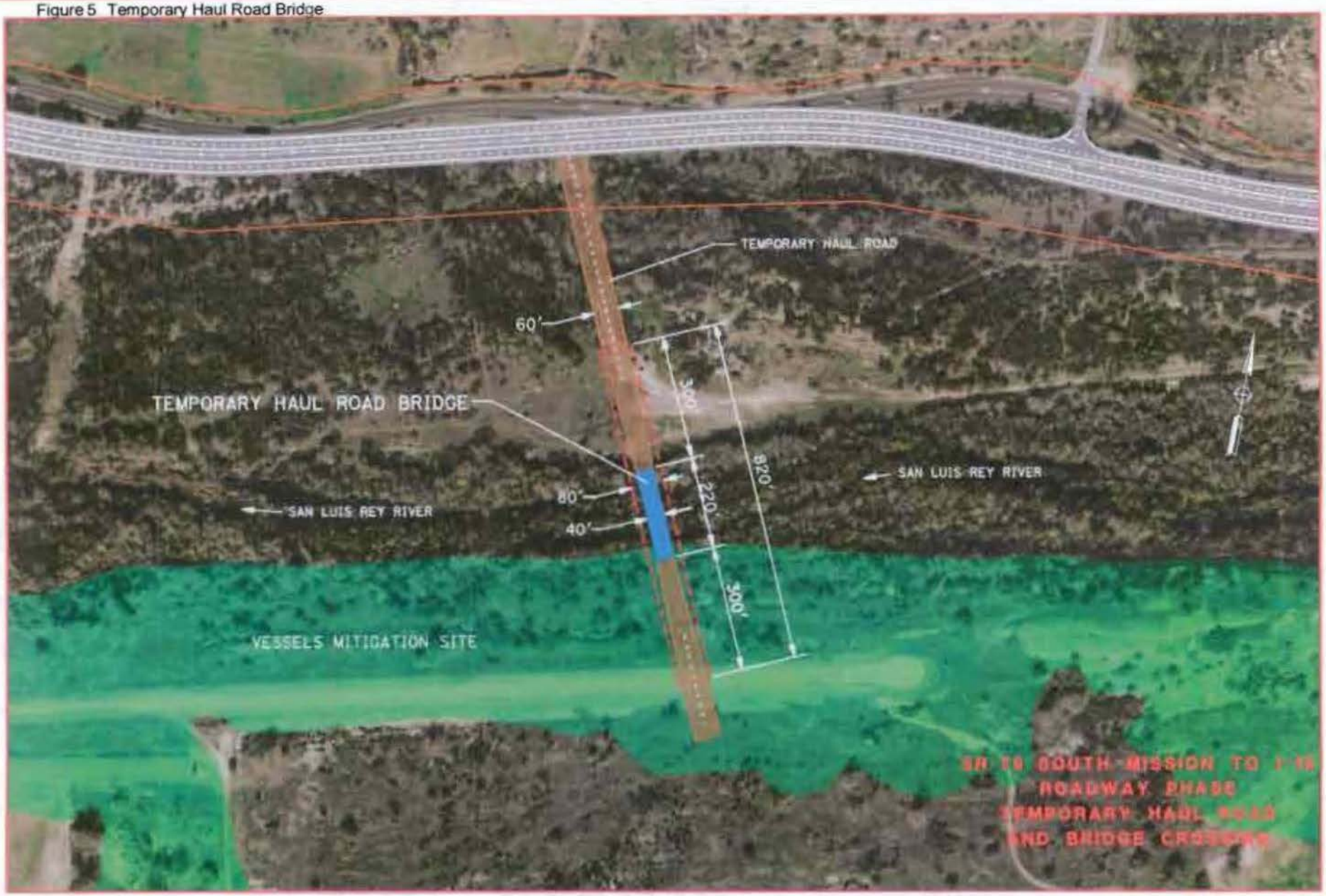


Figure 6. Haul Bridge Profile

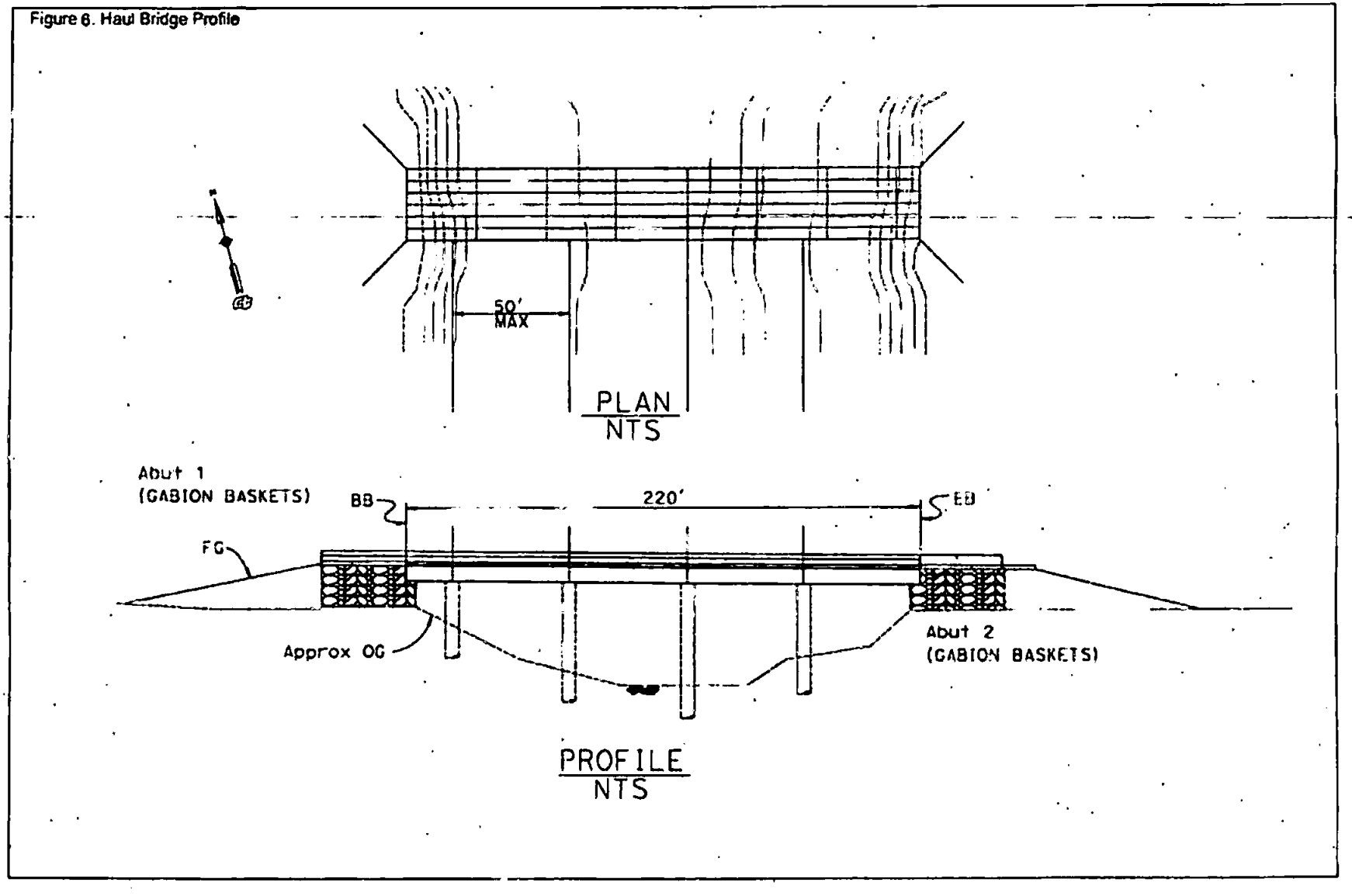
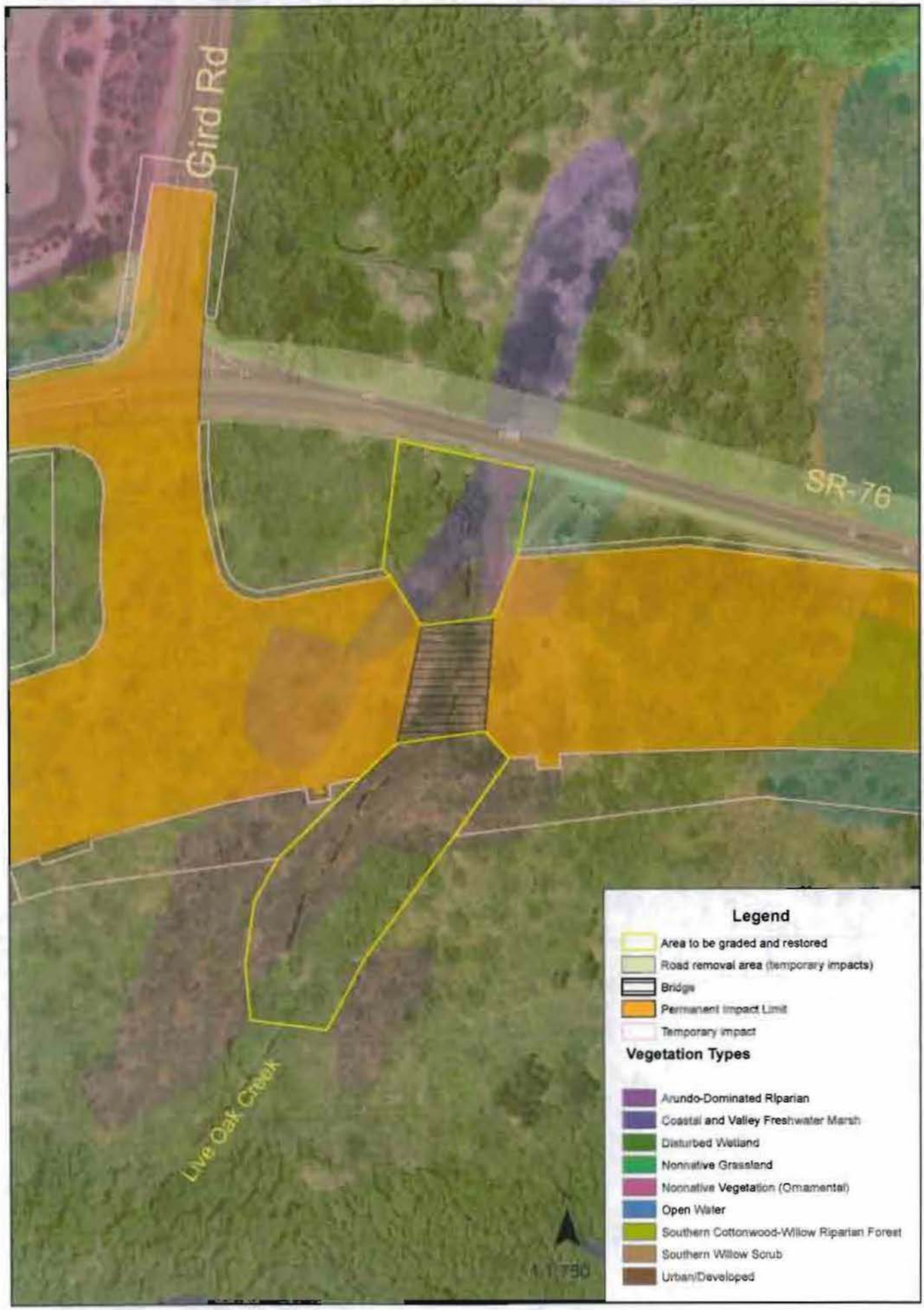


Figure 3. Live Oak Creek Bridge



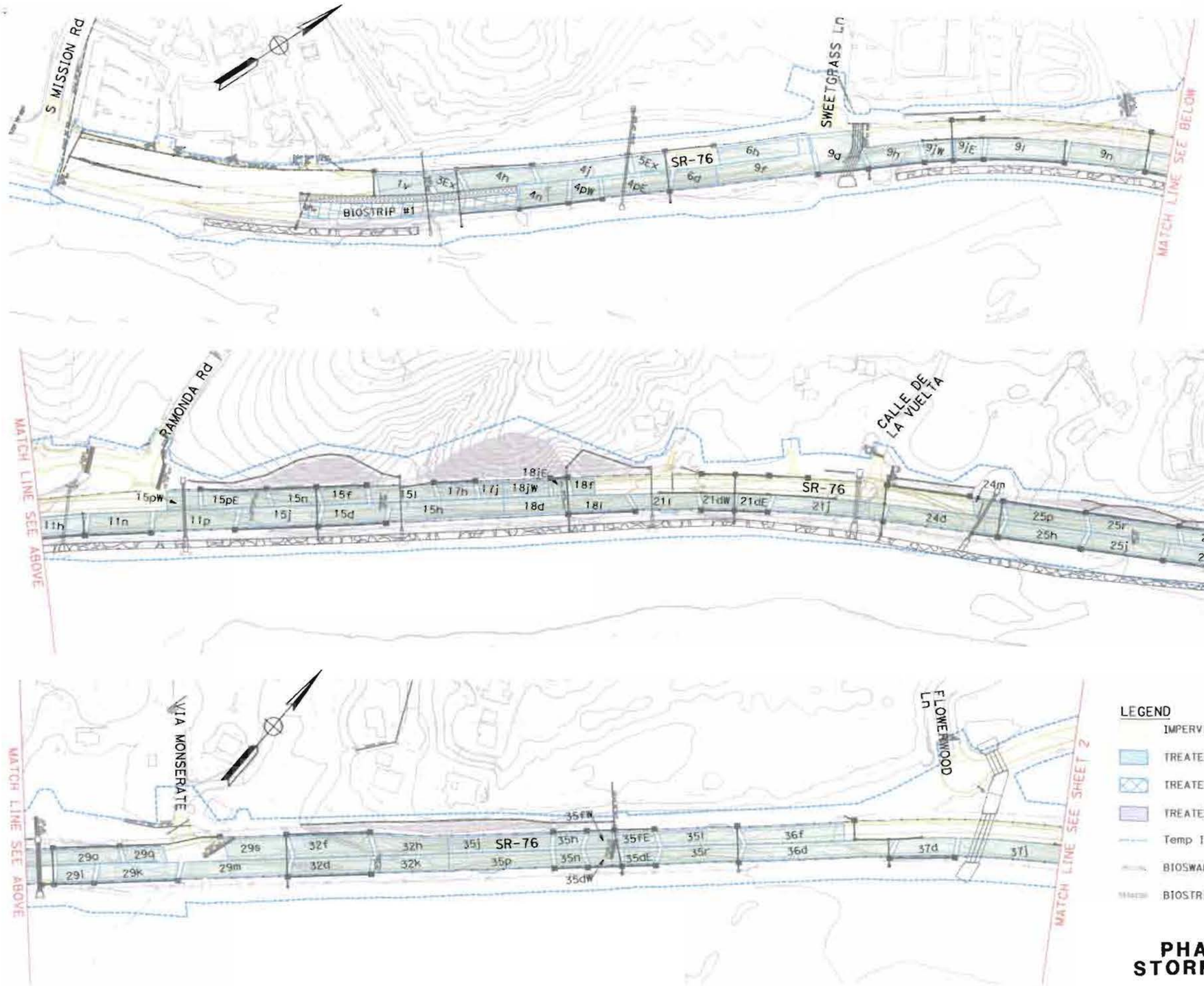
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	76,15	R16.7/R17.7, R46.1/R47.3		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. — Exp. — CIVIL — STATE OF CALIFORNIA

DOKKEN ENGINEERING
5675 RUFFIN ROAD
SUITE 250
SAN DIEGO, CA 92123



LEGEND

- IMPERVIOUS SURFACE
- TREATED IMPERVIOUS SURFACE BY BIOSWALE
- TREATED IMPERVIOUS SURFACE BY BIOSTRIP
- TREATED IMPERVIOUS SURFACE BY BIORETENTION CELL
- Temp IMPACT LINE
- BIOSWALE
- BIOSTRIP

PHASE 2 - PROPOSED STORMWATER TREATMENT

NO SCALE
SHEET 1 OF 3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: MIKE ROBERTS

CALCULATED-DESIGNED BY

CHECKED BY

REVISED BY

DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	76,15	R16.7/R17.7, R46.1/R47.3		

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER — No. — Exp. — CIVIL — STATE OF CALIFORNIA

DOKKEN ENGINEERING
5675 RUFFIN ROAD
SUITE 250
SAN DIEGO, CA 92123

LEGEND

- IMPERVIOUS SURFACE
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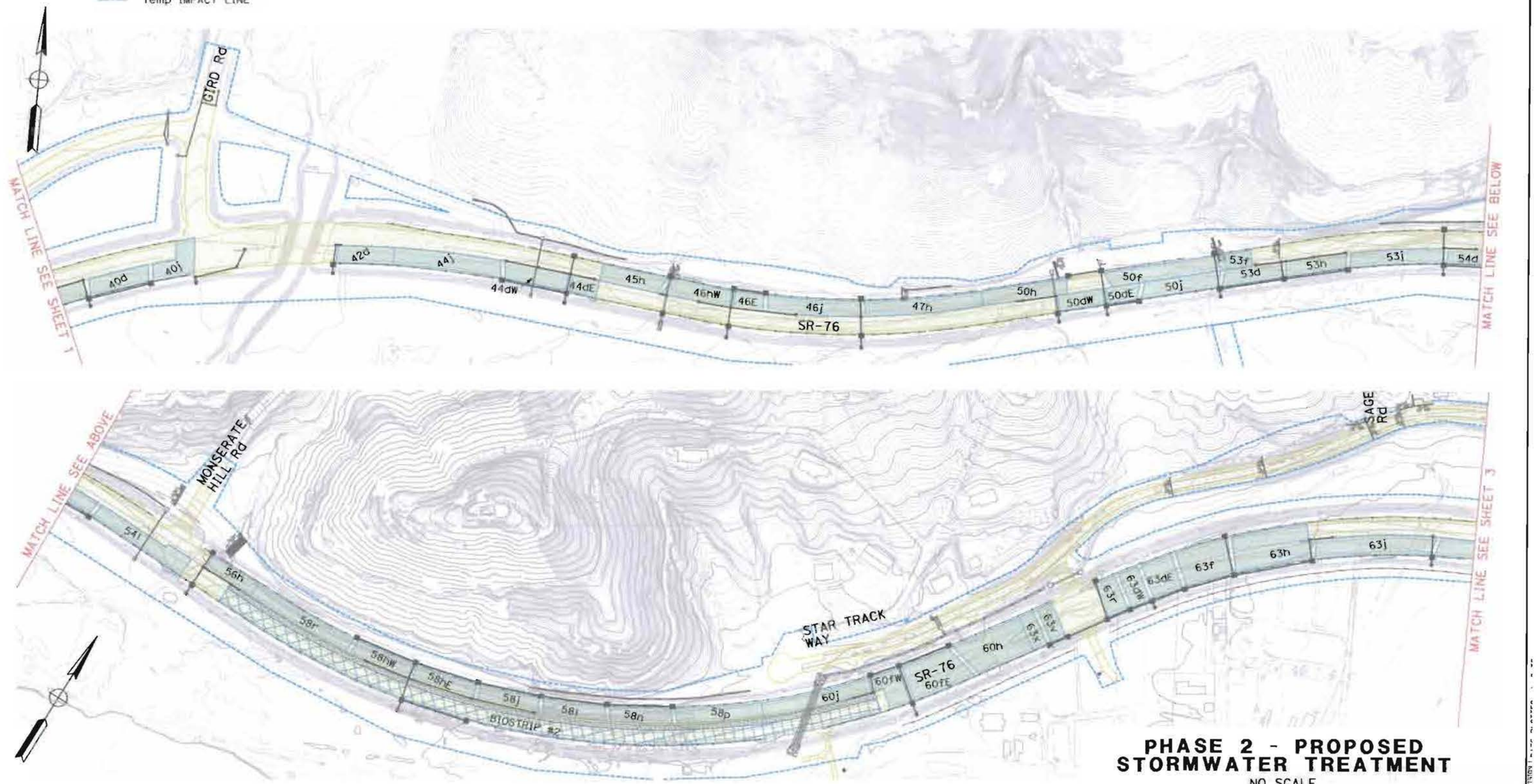
- TREATED IMPERVIOUS SURFACE BY BIOSTRIP
- TREATED IMPERVIOUS SURFACE BY BIORETENTION CELL
- BIOSWALE
- BIOSTRIP
- Temp IMPACT LINE



PHASE 2 - PROPOSED STORMWATER TREATMENT

NO SCALE
SHEET 2 OF 3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

CONSULTANT FUNCTIONAL SUPERVISOR: MIKE ROBERTS

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REVISED BY

DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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REGISTERED PROFESSIONAL ENGINEER — No. — Exp. — CIVIL — STATE OF CALIFORNIA

DOKKEN ENGINEERING
5675 RUFFIN ROAD
SUITE 250
SAN DIEGO, CA 92123

LEGEND

- IMPERVIOUS SURFACE
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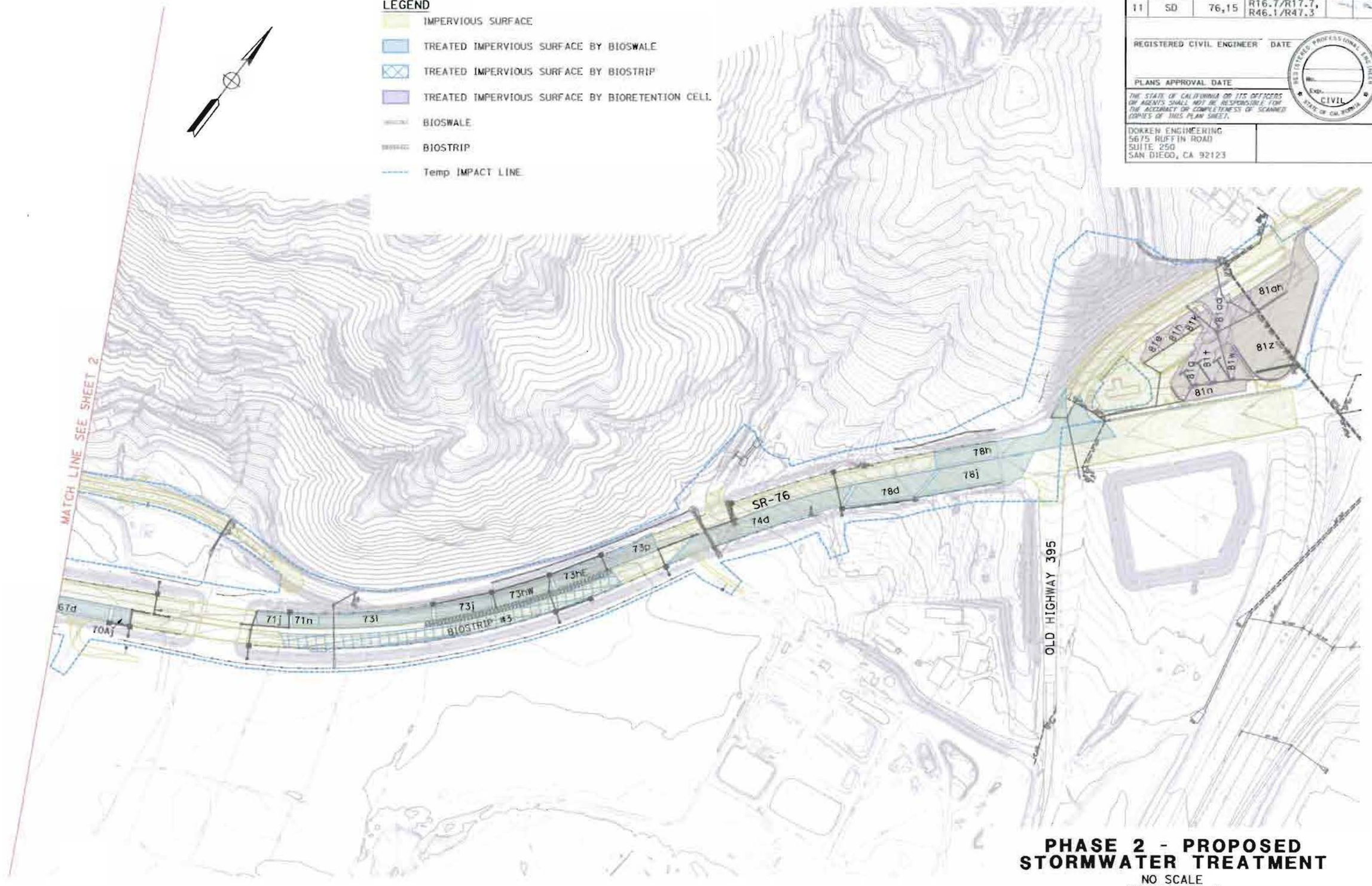
- BIOSWALE
- BIOSTRIP
- Temp IMPACT LINE



PHASE 2 - PROPOSED STORMWATER TREATMENT

NO SCALE
SHEET 3 OF 3

REVISED BY	DATE REVISED

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ATTACHMENT 5
MITIGATION FIGURES

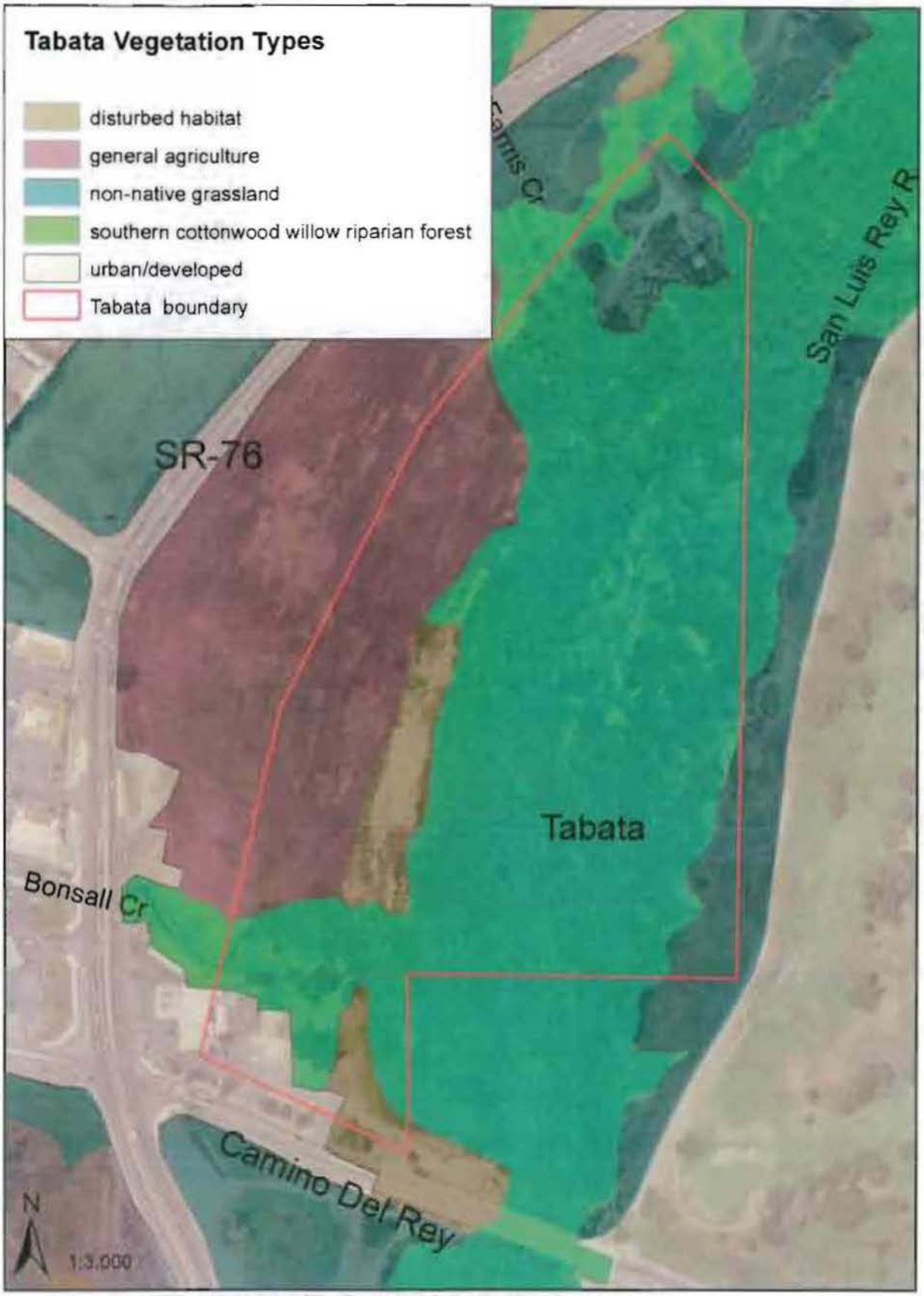


Figure 4. Existing Vegetation

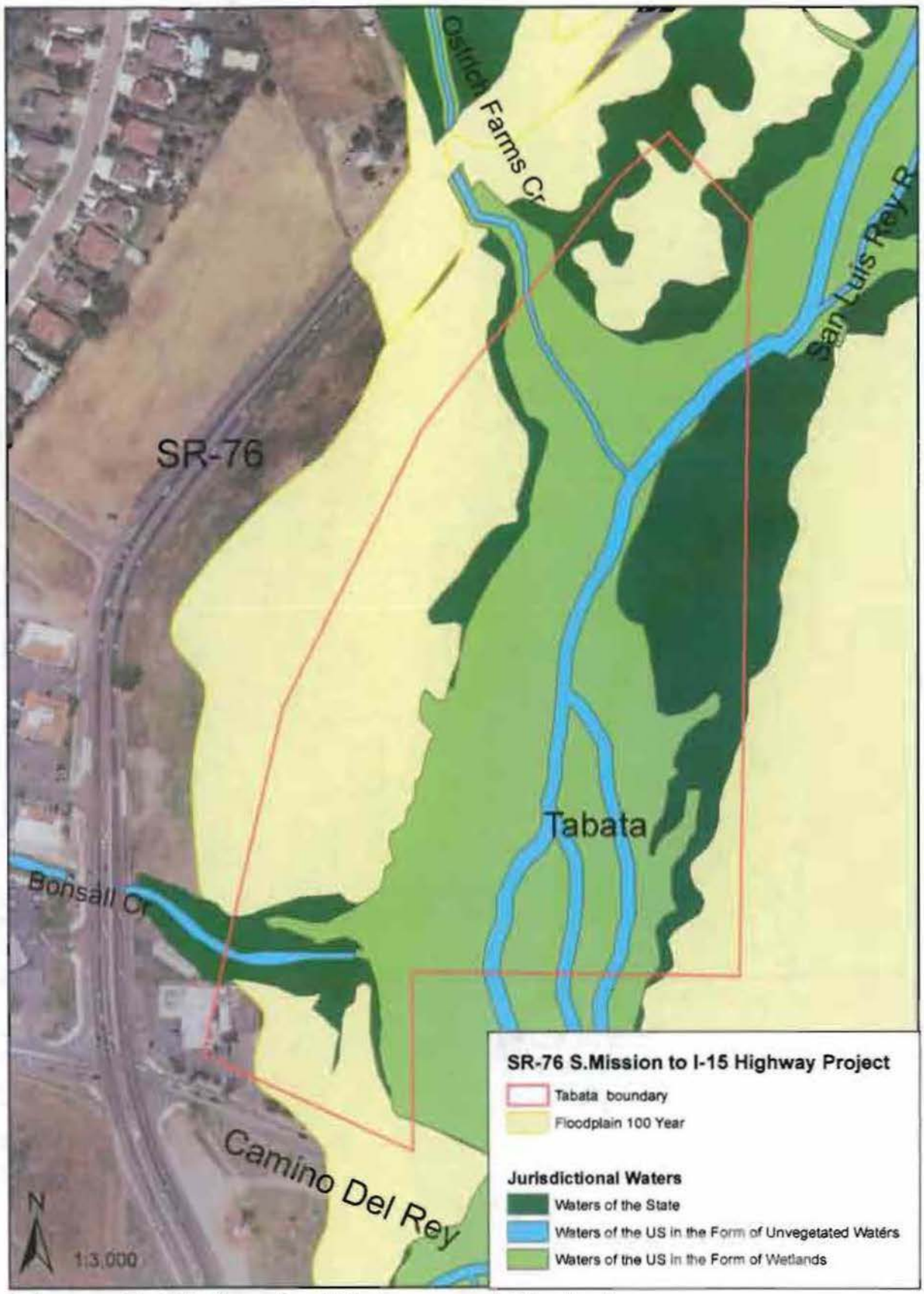
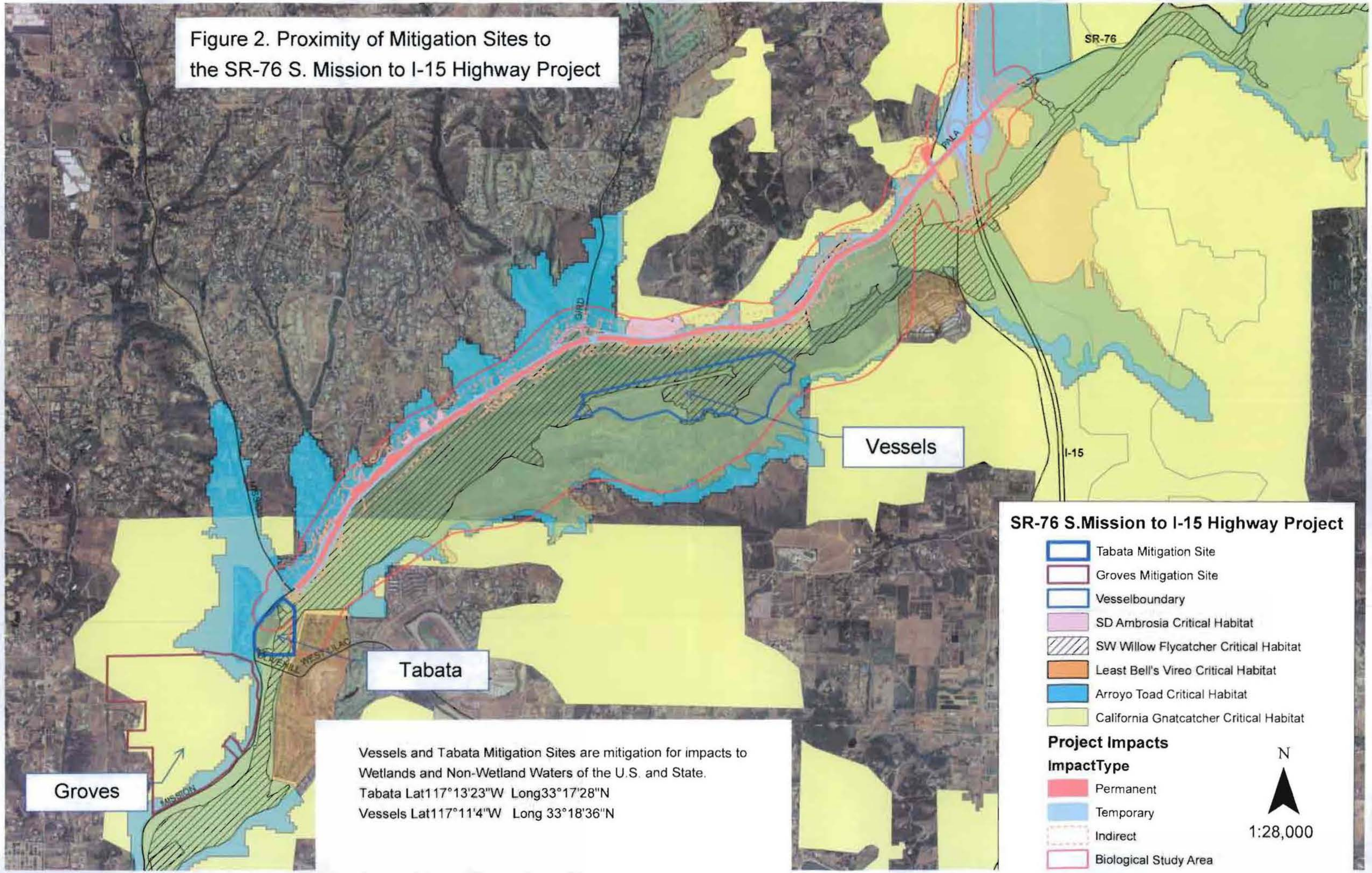
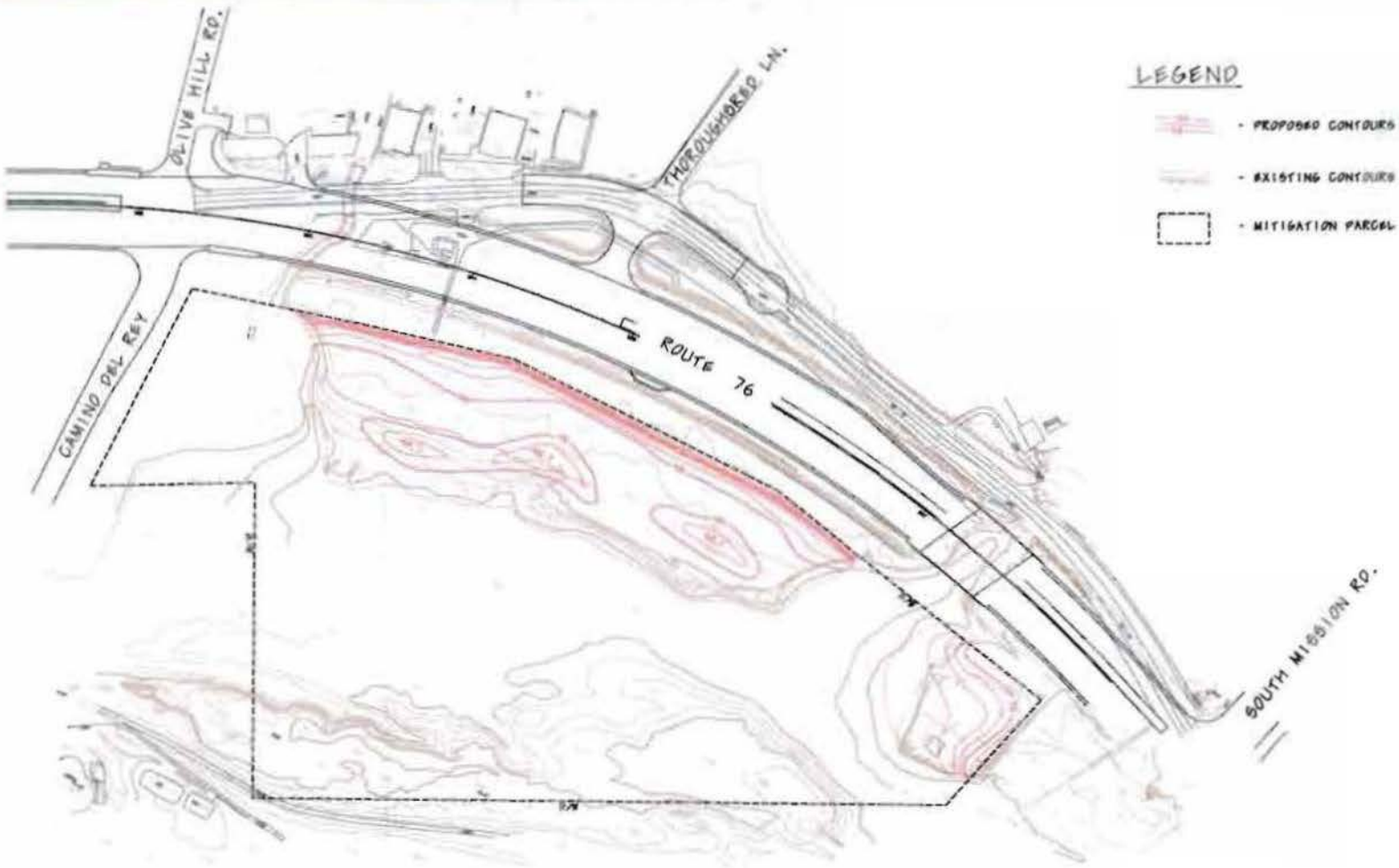


Figure 5. Wetlands, Waters and Hydrology

Figure 2. Proximity of Mitigation Sites to the SR-76 S. Mission to I-15 Highway Project



Vessels and Tabata Mitigation Sites are mitigation for impacts to Wetlands and Non-Wetland Waters of the U.S. and State.
Tabata Lat117°13'23"W Long33°17'28"N
Vessels Lat117°11'4"W Long 33°18'36"N



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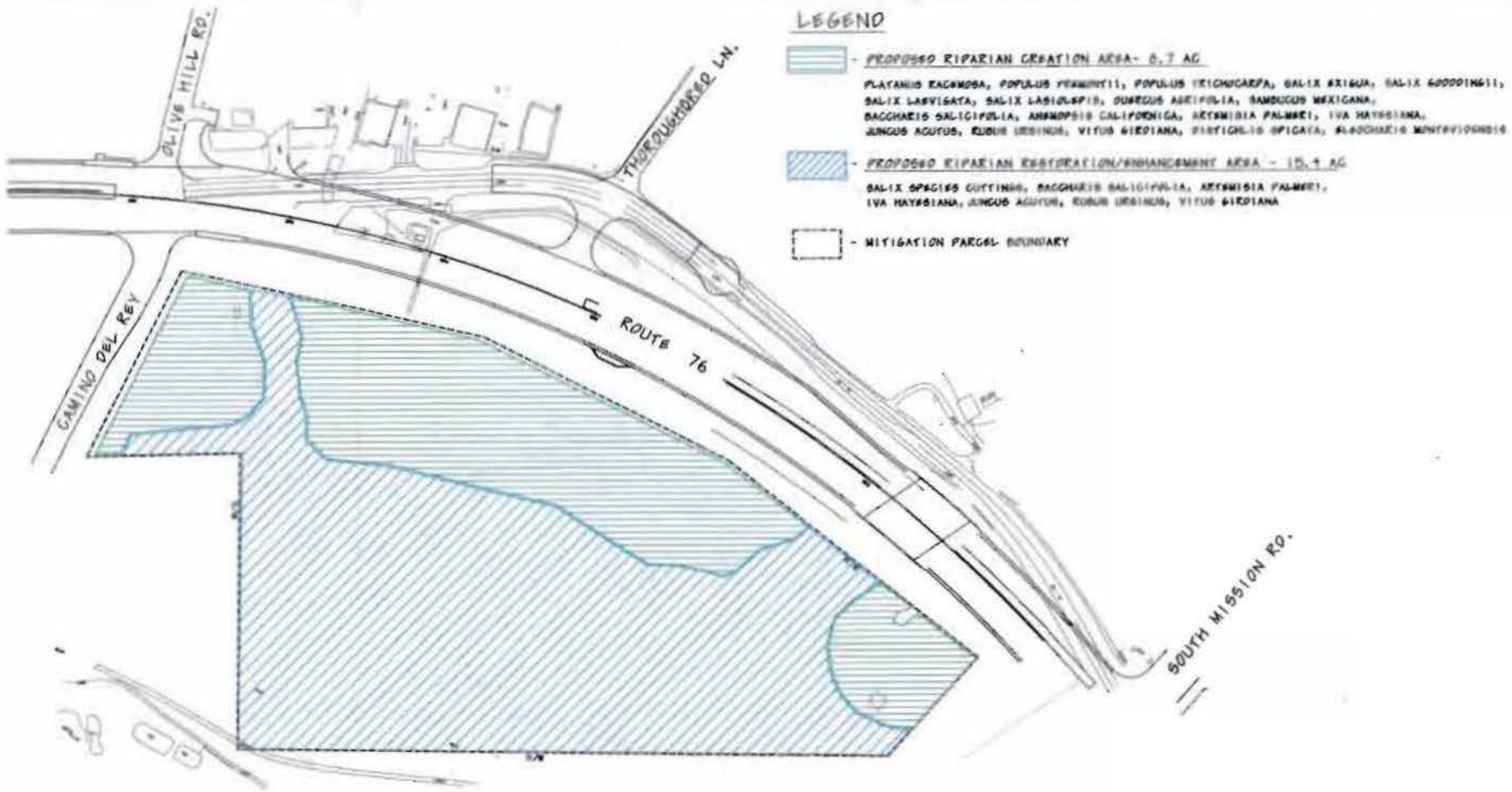
TABATA/ZORA MITIGATION SITE

PROPOSED GRADING PLAN

EA 279261

FIGURE 7



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NO SCALE

TABATA/ZORA MITIGATION SITE

PROPOSED PLANTING PLAN

EA 279261

FIGURE 8

Figure 2. Location of Vessels Mitigation Site in Relation to SR-76 S. Mission to I-15 Project

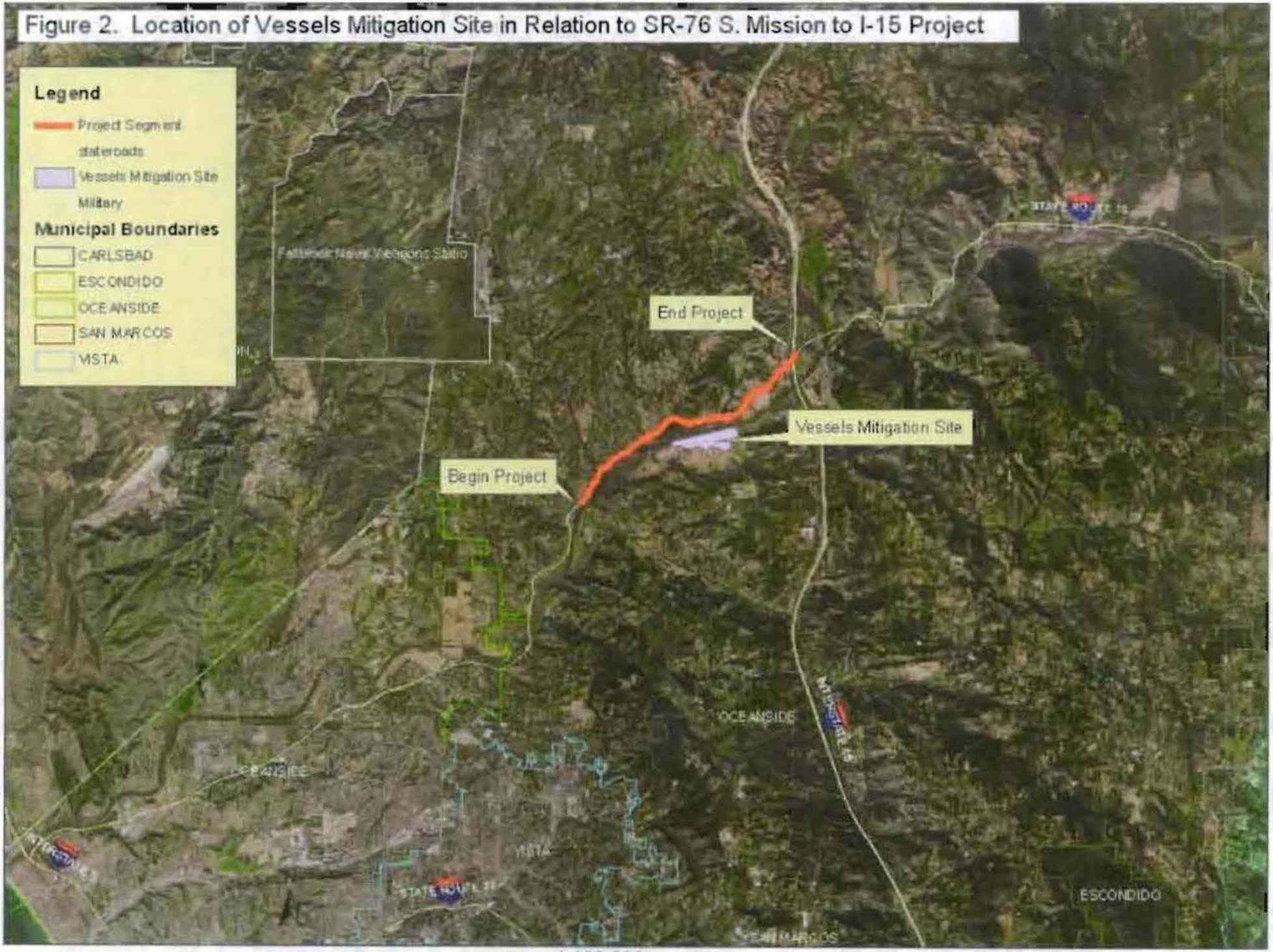

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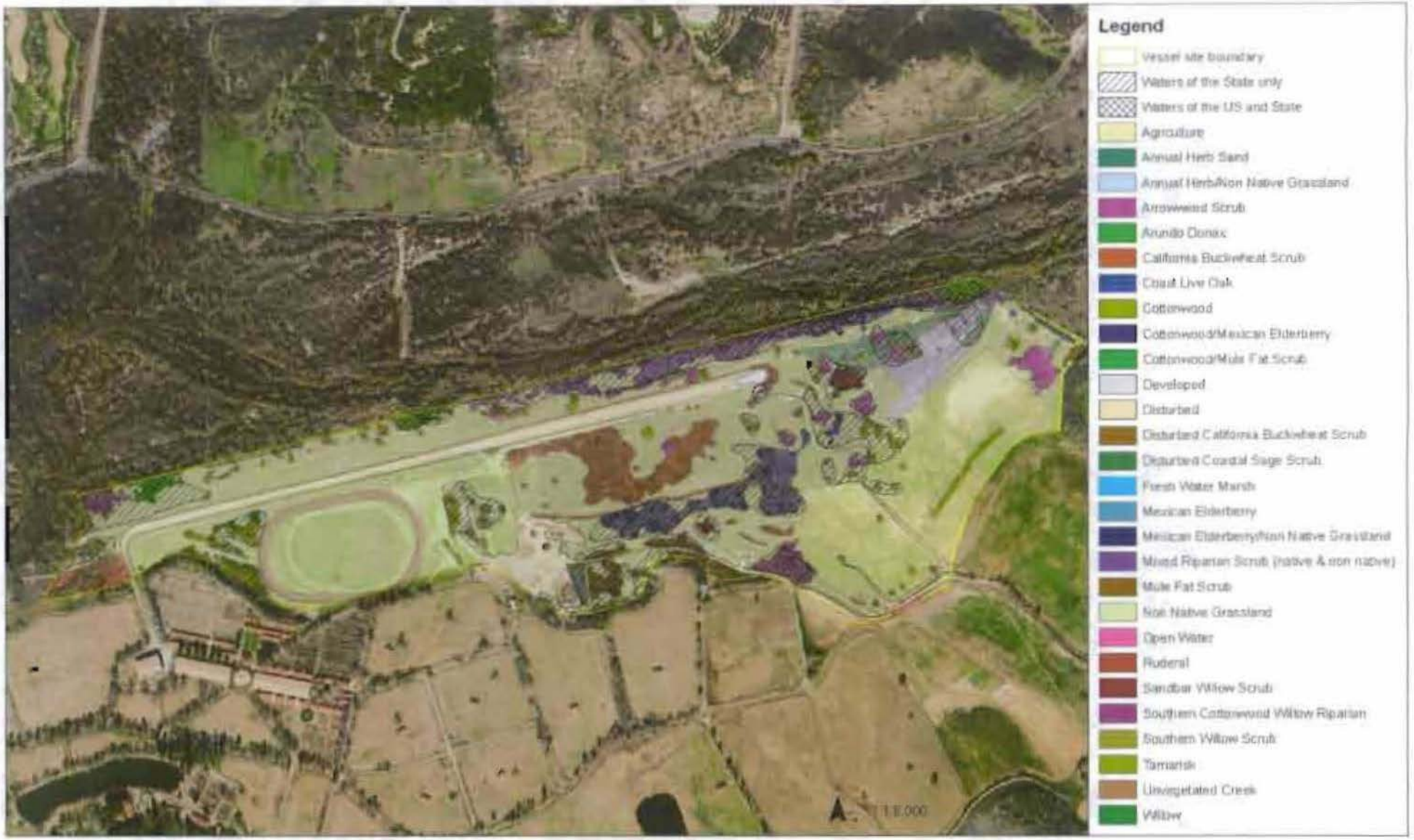
Figure 4. Vessels Vegetation and Wetlands



LEGEND

August 31, 2010

SYMBOL	JURIS WATERS	VEGETATION
	STATE - Existing 20.2 Acres	ARROWWEED SCRUB COTTONWOOD MEXICAN ELDERBERRY SCRUB MULE FAT SCRUB SOUTHERN COAST LIVE OAK SOUTHERN WILLOW SCRUB
	STATE - Creation 30.4 Acres	
	50.6 TOTAL	

SYMBOL	JURIS WATERS	VEGETATION
	US - Existing 2.7 Acres	ARROWWEED BULRUSH CALIFORNIA SYCAMORE JUNCUS SAN DIEGO MARSH-ELDER SOUTHERN CAT-TAIL SOUTHERN COTTONWOOD RIPARIAN SOUTHERN WILLOW RIPARIAN
	US - Creation 57.3 Acres	
	60.0 TOTAL	

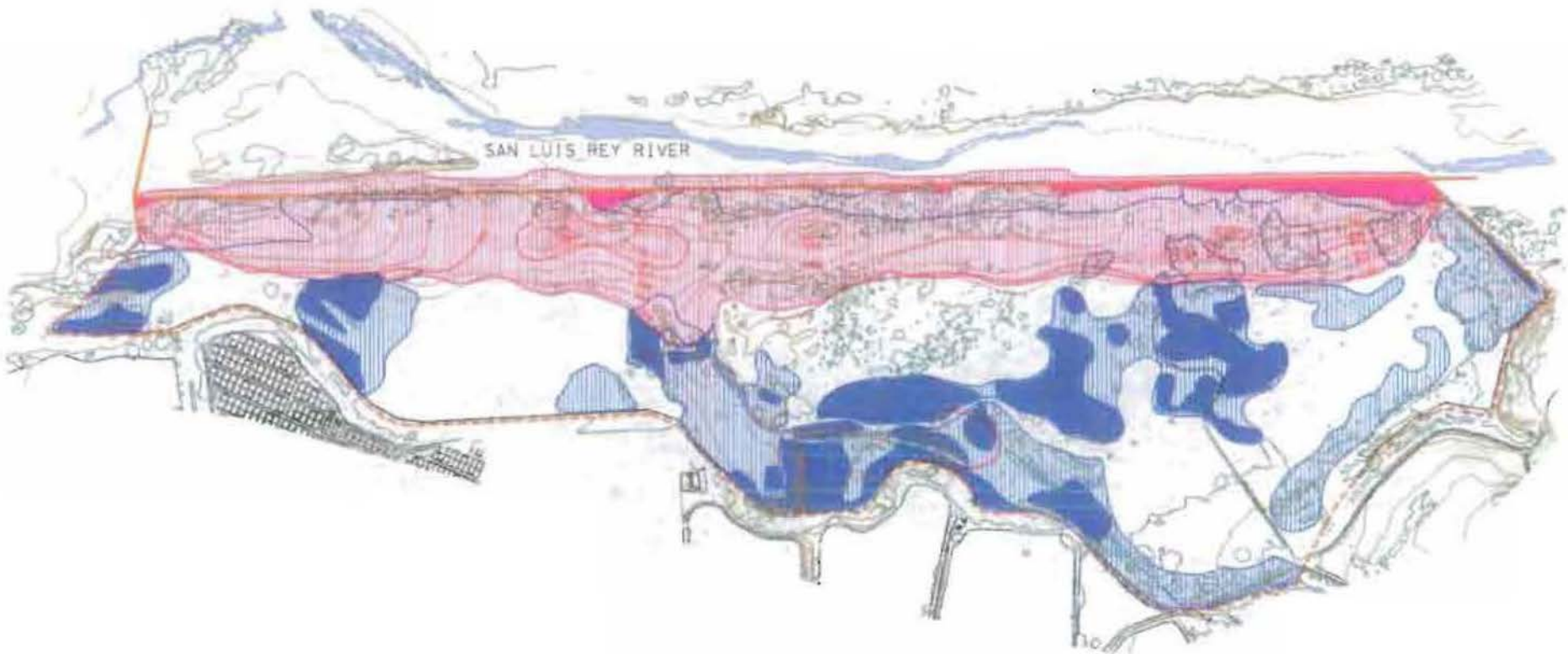


Figure 5. VESSELS WETLAND MITIGATION