

**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. 12C-048**

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**PROJECT: Campus Park (Horse Creek Ridge) Development Project  
Certification Number 12C-048  
WDID: 9000002472**

**APPLICANT: Ms. Lisa Malec  
Passerelle, LLC  
402 W. Broadway, Suite 1320  
San Diego, California 92101**

Reg. Meas. ID: 385543 Place ID: 782211 Party ID: 534476 Person ID: 534477
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**Mr. Dan Boyd  
D.R. Horton  
2280 Wardlow Circle, Suite 100  
Corona, California 92880**

On January 17, 2014, Clean Water Act Section 401 Water Quality Certification No. 12C-048 (Certification) was issued to Passerelle, LLC and D.R. Horton (Applicants) for the Campus Park (Horse Creek Ridge) Development Project (Project).

By letter dated February 27, 2014, Glenn Lukos Associates, on behalf of the Applicants, requested the Certification be amended to incorporate an additional 0.05 acre and 735 linear feet of permanent impact to waters of the state that are within the adjacent Meadowood Property owned by Pardee Homes. The additional impacts on the Meadowood Property, within portions of four drainages known as Drainages 1 through 4, are necessary to implement the County of San Diego-approved final engineering plans for flood control/drainage facilities that lead from the Meadowood Property onto the Campus Park Project.

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 Except as modified or superseded by the Certification modifications set forth below, all of the findings, provisions and other requirements of Certification No. 12C-048 remain in full force and effect. The following changes are made to Certification No. 12C-048 and are shown in underline/strikeout format to indicate added and removed language.

**1. Page 3, PROJECT DESCRIPTION is modified as follows:**

The Applicant will also impact waters of the United States and/or State on the Meadowood Property, within portions of four drainages known as Drainages 1 through 4. These impacts are necessary to implement the County of San Diego-approved final engineering plans for flood control/drainage facilities that lead from the Meadowood Property onto the Campus Park Project. The applicant will construct temporary brow ditches in the upland areas that will be used as construction BMPs and will convey water that was previously conveyed by Drainages 1 through 4 on the Meadowood property. The brow ditches will be located within the Meadowood Property along the eastern property boundary of the Project Site. The brow ditches will be four-foot wide temporary BMPs constructed of concrete. The first brow ditch begins behind Lot 34 of Neighborhood R-2 and conveys runoff southerly into a proposed pipe east of the Project site within the Meadowood Property. The second brow ditch is located on the east side of the Project site and continues south to an existing pipe that crosses under Horse Ranch Creek Road. The temporary brow ditch BMPs will be dismantled and removed once construction in these areas begins during the Meadowood project. The Meadowood project final design plan proposes to convey this storm water flow via an underground storm drain system. No mitigation will be required for the temporary brow ditches as they will be constructed in upland areas and not within waters of the United States and/or State.

Total Project impacts are ~~4.94~~ 1.96 acres (~~10,800~~ 40,065 LF) of ephemeral drainages and wetland waters of the United States and/or State (1.91 acres and 10,065 LF on-site, 0.05 acre and 735 LF off-site within the Meadowood project site). The Project will result in the filling of ~~9,965~~ 10,700 linear feet of ephemeral streams (9,965 LF on-site and 735 LF off-site within the Meadowood project site, ~~0.74~~ 0.79 acre of non-wetland waters of the United States) and 100 linear feet (1.17 acres) of on-site willow scrub habitat. The Applicants report 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. The Project will avoid 88.12 acres of the existing 94.2 acres of jurisdictional wetlands and 0.48 acre of non-wetland ephemeral waters of the U.S., thus avoiding approximately 93% of jurisdictional waters on the Project site.

Mitigation for unavoidable impacts consist of the establishment of ~~2.34~~ 2.63 acres of southern willow scrub habitat, re-establishment of 1.17 acres of southern willow scrub habitat and re-establishment of 2.49 acres of ephemeral streambed habitat within, and adjacent to, Horse Ranch Creek. Mitigation for linear impacts consists of ~~6,715~~ 6,865 linear feet establishment and re-establishment. Mitigation will occur within, or adjacent to, the 88.12-acre avoided wetland area.

The Applicants will also establish of 3,350 linear feet of un-vegetated infiltration channels which will offset some of the lost functions from permanent impacts (fill) to portions of Drainages A, B, and D which run through the Project site. The infiltration channels will be located in the northwestern part of the Project site.

All waters of the United States and/or State receiving temporary discharges of fill material will be restored upon removal of the fill. Mitigation for discharges of fill material to waters of the United States and/or State will be completed by the Applicants on-site within the Bonsall hydrologic sub-area (HSA 903.12) at a minimum compensation ratio of ~~2~~ 2.2:1 for willow scrub establishment, 1:1 willow scrub re-establishment, and ~~3.36~~ 3.2:1 for streambed re-establishment (area mitigated:area impacted).

**2. Section V.B, Project Impacts and Compensatory Mitigation is modified as follows:**

Unavoidable Project impacts to Horse Ranch Creek and its unnamed tributaries within the San Luis Rey Watershed must not exceed the type and magnitude of impacts described in the table below. At a minimum, compensatory mitigation required to offset unavoidable temporary and permanent Project impacts to waters of the United States and/or State must be achieved as described in the table below:

	Impacts (acres)	Impacts (linear ft.)	Mitigation for Impacts (acres)	Mitigation Ratio (area mitigated :area impacted)	Mitigation for Impacts (linear ft.)	Mitigation Ratio (linear feet mitigated :linear feet impacted)
<b>Permanent Impacts</b>						
Willow Scrub	1.17	100	2.34 2.63 acres of Establishment <sup>1</sup>	2.2:1	4,498 4,648 LF of Establishment	4546:1 <sup>3</sup>
			1.17 acres of Re-Establishment <sup>2</sup>	1:1		
Streambed - Ephemeral	<del>0.74</del> <u>0.79</u>	<del>9,965</del> <u>10,700</u>	2.49 acres of Re-establishment <sup>2</sup>	<del>3.36</del> <u>3.2</u> :1	2,217 LF of Re-establishment	0.22:1 <sup>3</sup>

1. Establishment of southern willow scrub/riparian forest habitat within the project site.
2. Re-Establishment of riparian habitat within the Project site.
3. In addition to this mitigation, the Project also includes 3,615 LF un-vegetated infiltration channels which will compensate for the permanent impacts to ephemeral drainages A, B, and D.
4. All areas of temporary impacts must be restored to pre-project contours and re-vegetated with native species.

**3. Section V.I, Mitigation Site(s) Preservation Mechanism is modified as follows:**

**Mitigation Site(s) Preservation Mechanism.** ~~Within 60 days from~~ Prior to the start of Project construction, the Applicants must provide the San Diego Water Board with a draft preservation mechanism (e.g. deed restriction, conservation easement, etc.) that will protect all mitigation areas and their buffers in perpetuity. Within one year of the issuance of this Certification, the Applicants must submit proof of a completed final preservation mechanism that will protect all mitigation areas and their buffers in perpetuity. The conservation easement, deed restriction, or other legal limitation on the mitigation properties must be adequate to demonstrate that the sites will be maintained without future development or encroachment on the sites which could otherwise reduce the functions and values of the sites for the variety of beneficial uses of waters of the of the United States and/ or State that it supports. The legal limitation must prohibit, without exception, 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 sites. 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.

**4. Section VIII, Project Impacts and Compensatory Mitigation is modified as follows:**

- A. The County of San Diego is the Lead Agency under the California Environmental Quality Act (CEQA) (Public Resources Code section 21000, et seq.) section 21067, and CEQA Guidelines (California Code of Regulations, title 14, section 15000 et seq.) section 15367, and has filed a Notice of Determination dated May 17, 2011, for the Final Environmental Impact Report ~~(FEIR)~~ titled *Final Subsequent Environmental Impact Report, Project EIR Campus Park Project* (State Clearing House Number 2005011092) and a Notice of Determination dated April 16, 2012, for the Final Environmental Impact Report titled *Final Environmental Impact Report, Meadowood Project* (State Clearing House Number 2004051028) (FEIRs). The Lead Agency 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 is a Responsible Agency under CEQA (Public Resources Code section 21069; CEQA Guidelines section 15381). The San Diego Water Board has considered the Lead Agency's FEIRs and finds that the Project as proposed will have a significant effect on resources within the San Diego Water Board's purview.

- C. The San Diego Water Board has required mitigation measures as a condition of this Certification to avoid or reduce the environmental effects of the Project to resources within the Board's purview to a less than significant level.
- D. The Lead Agency has adopted a mitigation monitoring and reporting program pursuant to Public Resources Code section 21081.6 and CEQA Guidelines section 15097 to ensure that mitigation measures and revisions to the Project identified in the FEIRs are implemented. The Mitigation Monitoring and Reporting Programs (MMRPs) is are included and incorporated by reference in Attachment 5 to this Certification. The Applicants shall implement the Lead Agency's MMRPs described in the FEIR, as it pertains to resources within the San Diego Water Board's purview. The San Diego Water Board has imposed additional MMRP requirements as specified in section V and VI of this Certification.
- E. As a Responsible Agency under CEQA, the San Diego Water Board will file a Notice of Determination in accordance with CEQA Guidelines section 15096 subdivision (i).

**5. Attachment 3, Project Site Plans, is modified as follows:**

Replace REC Biological Resources Figure 3 with Glenn Lukos Associates Campus Park Project Utilities Composite Map, December 1, 2014.

Add Hunsaker and Associates Horse Creek Ridge Phase 1 Grading Plans (Brow Ditches), pages 1-5.

Add Hunsaker and Associates Horse Creek Ridge Phase 1 Grading Plans (Offsite), pages 1-3.

**6. Attachment 4, Mitigation Figures is modified as follows:**

Replace REC Biological Resources Figure 1 Potential Mitigation Areas and Channels with REC Biological Resources Figure 6A, Potential Mitigation Areas and Channels.

Replace REC Biological Resources Figure 6, Proposed Infiltration Channel, August 2013 with REC Biological Resources Figure 6, Proposed Infiltration Channel, January 2014.

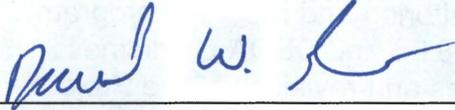
**Petitions.** Any person aggrieved by this action of the San Diego Water Board may petition the State Water Resources Control Board (State Water Board) to review the action in accordance with the California Code of Regulations, title 23, sections 3867 and following. The State Water Board must receive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

Passerelle, LLC and D.R. Horton  
Campus Park (Horse Creek Ridge) Project  
Certification No. 12C-048

January 17, 2014  
Amended on March 3, 2015

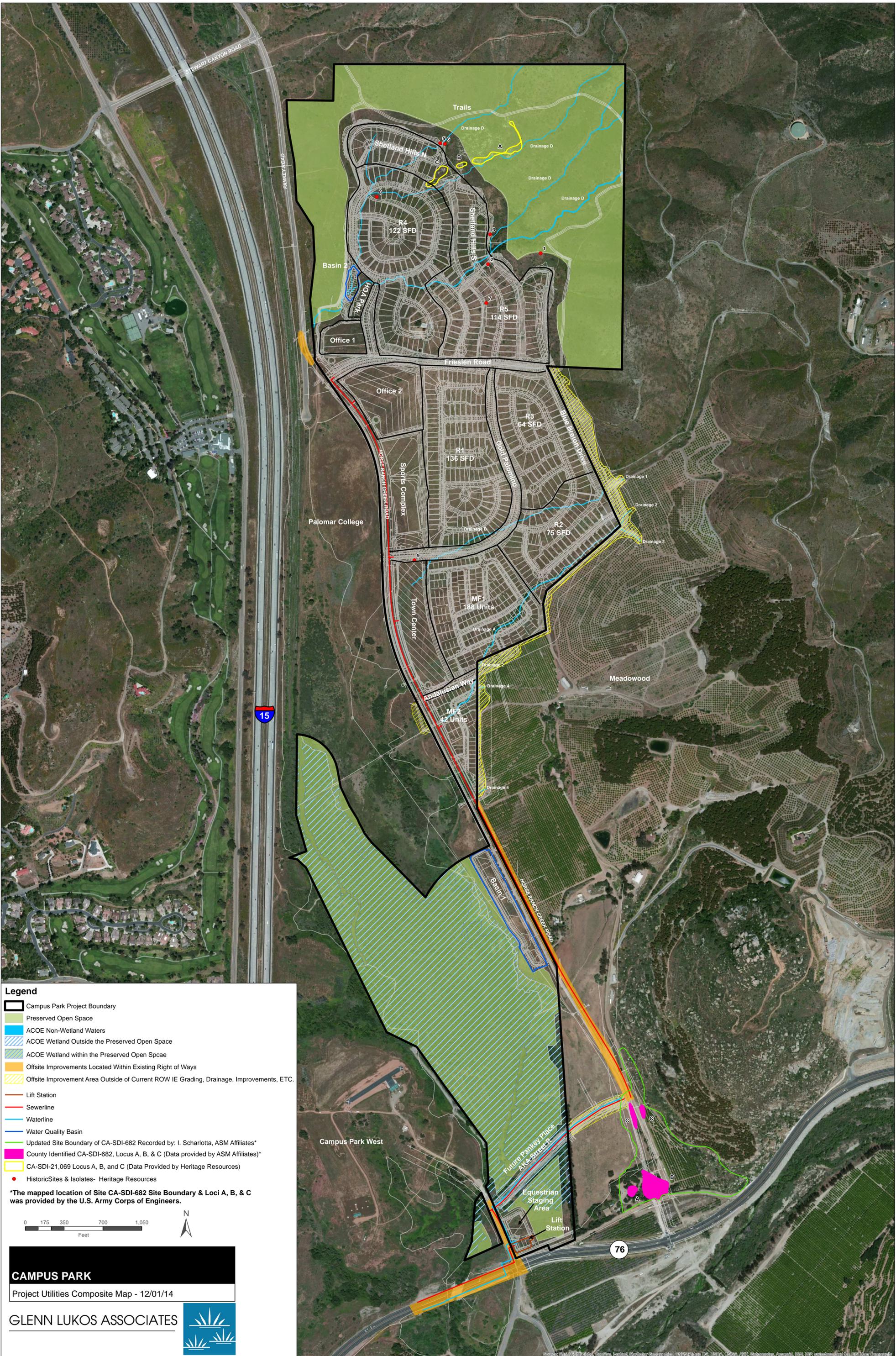
I, David W. Gibson, Executive Officer, do hereby certify the forgoing is a full, true, and correct copy of Amendment No. 1 to Certification No. 12C-048 issued on March 3, 2015.



\_\_\_\_\_  
DAVID W. GIBSON  
Executive Officer  
Regional Water Quality Control Board

3 March 2015

Date



- Legend**
- Campus Park Project Boundary
  - Preserved Open Space
  - ACOE Non-Wetland Waters
  - ACOE Wetland Outside the Preserved Open Space
  - ACOE Wetland within the Preserved Open Space
  - Offsite Improvements Located Within Existing Right of Ways
  - Offsite Improvement Area Outside of Current ROW IE Grading, Drainage, Improvements, ETC.
  - Lift Station
  - Sewerline
  - Waterline
  - Water Quality Basin
  - Updated Site Boundary of CA-SDI-682 Recorded by: I. Scharlotta, ASM Affiliates\*
  - County Identified CA-SDI-682, Locus A, B, & C (Data provided by ASM Affiliates)\*
  - CA-SDI-21,069 Locus A, B, and C (Data Provided by Heritage Resources)
  - Historic Sites & Isolates- Heritage Resources

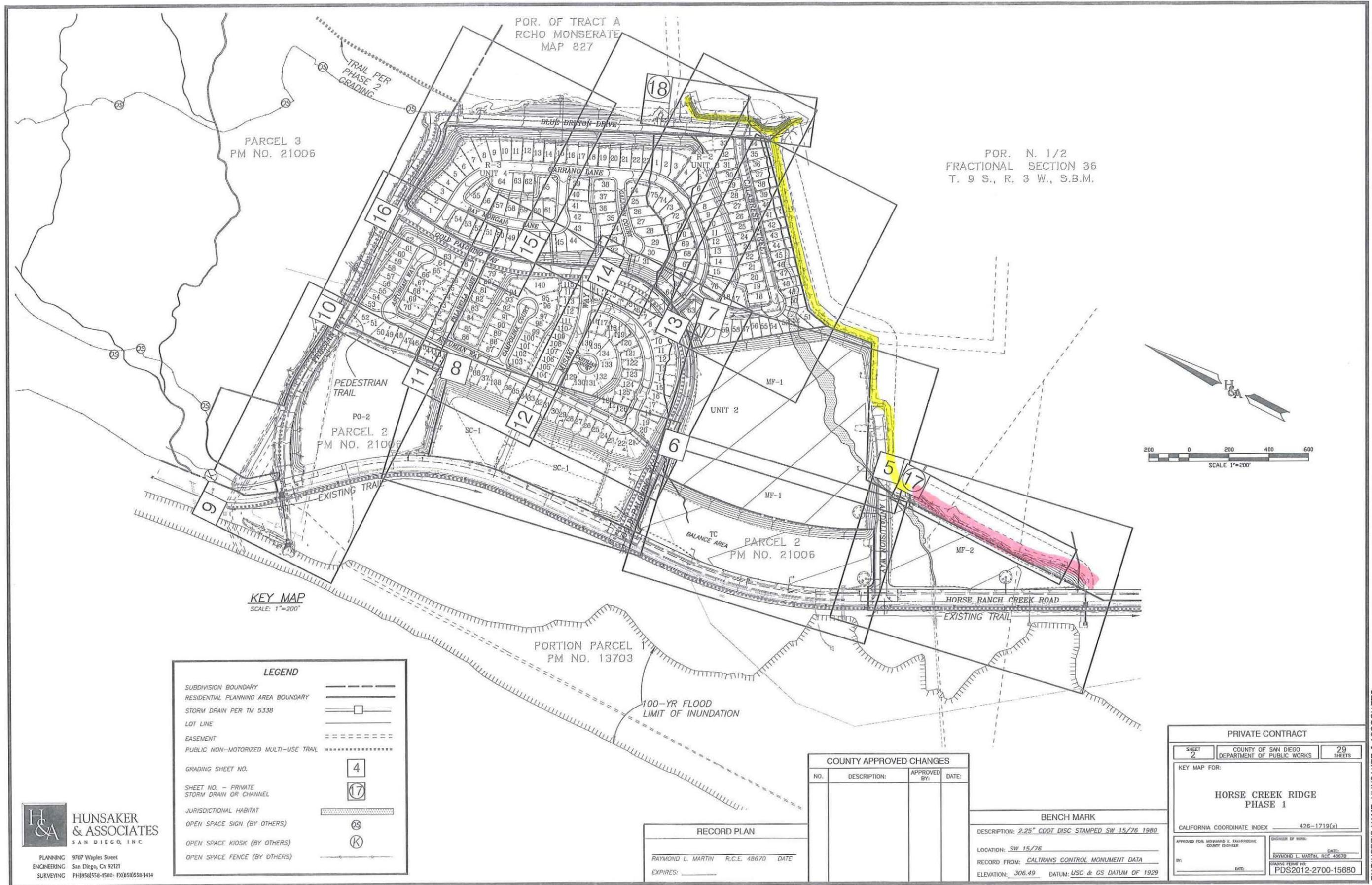
\*The mapped location of Site CA-SDI-682 Site Boundary & Loci A, B, & C was provided by the U.S. Army Corps of Engineers.

0 175 350 700 1,050  
Feet

N

**CAMPUS PARK**  
Project Utilities Composite Map - 12/01/14

**GLENN LUKOS ASSOCIATES**



KEY MAP  
SCALE: 1"=200'

LEGEND	
SUBDIVISION BOUNDARY	---
RESIDENTIAL PLANNING AREA BOUNDARY	---
STORM DRAIN PER TM 5338	—□—
LOT LINE	---
EASEMENT	----
PUBLIC NON-MOTORIZED MULTI-USE TRAIL	.....
GRADING SHEET NO.	4
SHEET NO. - PRIVATE STORM DRAIN OR CHANNEL	17
JURISDICTIONAL HABITAT	▨
OPEN SPACE SIGN (BY OTHERS)	Ⓢ
OPEN SPACE KIOSK (BY OTHERS)	Ⓚ
OPEN SPACE FENCE (BY OTHERS)	— —

COUNTY APPROVED CHANGES			
NO.	DESCRIPTION:	APPROVED BY:	DATE:

BENCH MARK	
DESCRIPTION:	2.25" CDOT DISC STAMPED SW 15/76 1980
LOCATION:	SW 15/76
RECORD FROM:	CALTRANS CONTROL MONUMENT DATA
ELEVATION:	306.49 DATUM: USC & GS DATUM OF 1929

RECORD PLAN	
RAYMOND L. MARTIN	R.C.E. 48670 DATE
EXPIRES:	

PRIVATE CONTRACT		
SHEET 2	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	29 SHEETS
KEY MAP FOR:		
<b>HORSE CREEK RIDGE PHASE 1</b>		
CALIFORNIA COORDINATE INDEX		426-1719(x)
APPROVED FOR: <small>MORNING R. FAHRENGUE COUNTY ENGINEER</small>	ENGINEER OF WORK:	DATE:
BY:	RAYMOND L. MARTIN, R.C.E. 48670	DATE:
DATE:	GRADING PERMIT NO. PDS2012-2700-15680	

**H & A HUNSAKER & ASSOCIATES**  
SAN DIEGO, INC.  
PLANNING 9707 Waples Street  
ENGINEERING San Diego, Ca 92121  
SURVEYING PH(658)558-4500 FX(658)558-1414

GRADING PLANS FOR HORSE CREEK RIDGE

ENGINEER'S NAME: HUNSAKER & ASSOCIATES  
PHONE NO. (658) 558-4500

PUBLIC STREETS & STORM DRAINS SHOWN HEREON TO BE CONSTRUCTED BY TM 5338-2 UNLESS OTHERWISE SHOWN

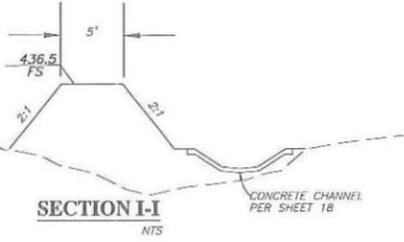
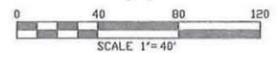
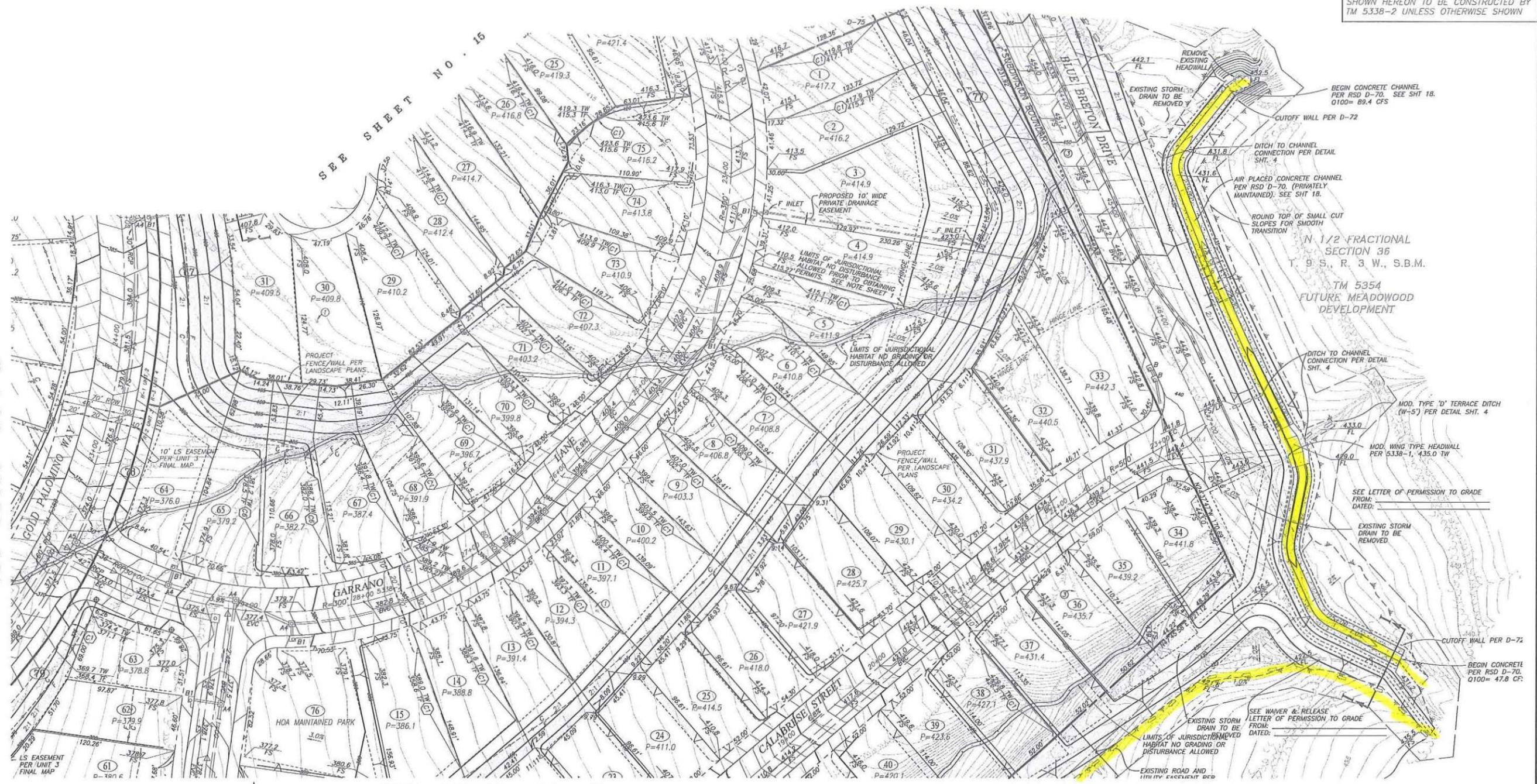
SEE SHEET NO. 12

SEE SHEET NO. 15

SEE SHEET NO. 13

GRADING PLANS FOR HORSE CREEK RIDGE

ENGINEER'S NAME: HUNSAKER & ASSOCIATES  
PHONE NO. (658) 558-4500



PLANNING 9707 Waples Street  
ENGINEERING San Diego, Ca 92121  
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COUNTY APPROVED CHANGES			
NO.	DESCRIPTION:	APPROVED BY:	DATE:

RECORD PLAN  
RAYMOND L. MARTIN R.C.E. 48670 DATE \_\_\_\_\_  
EXPIRES: \_\_\_\_\_

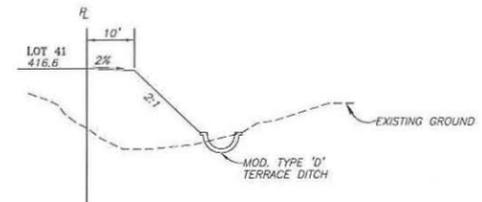
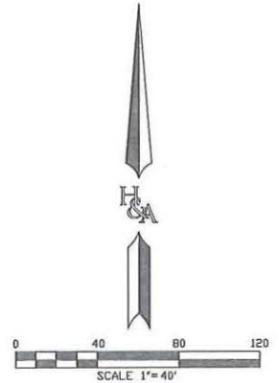
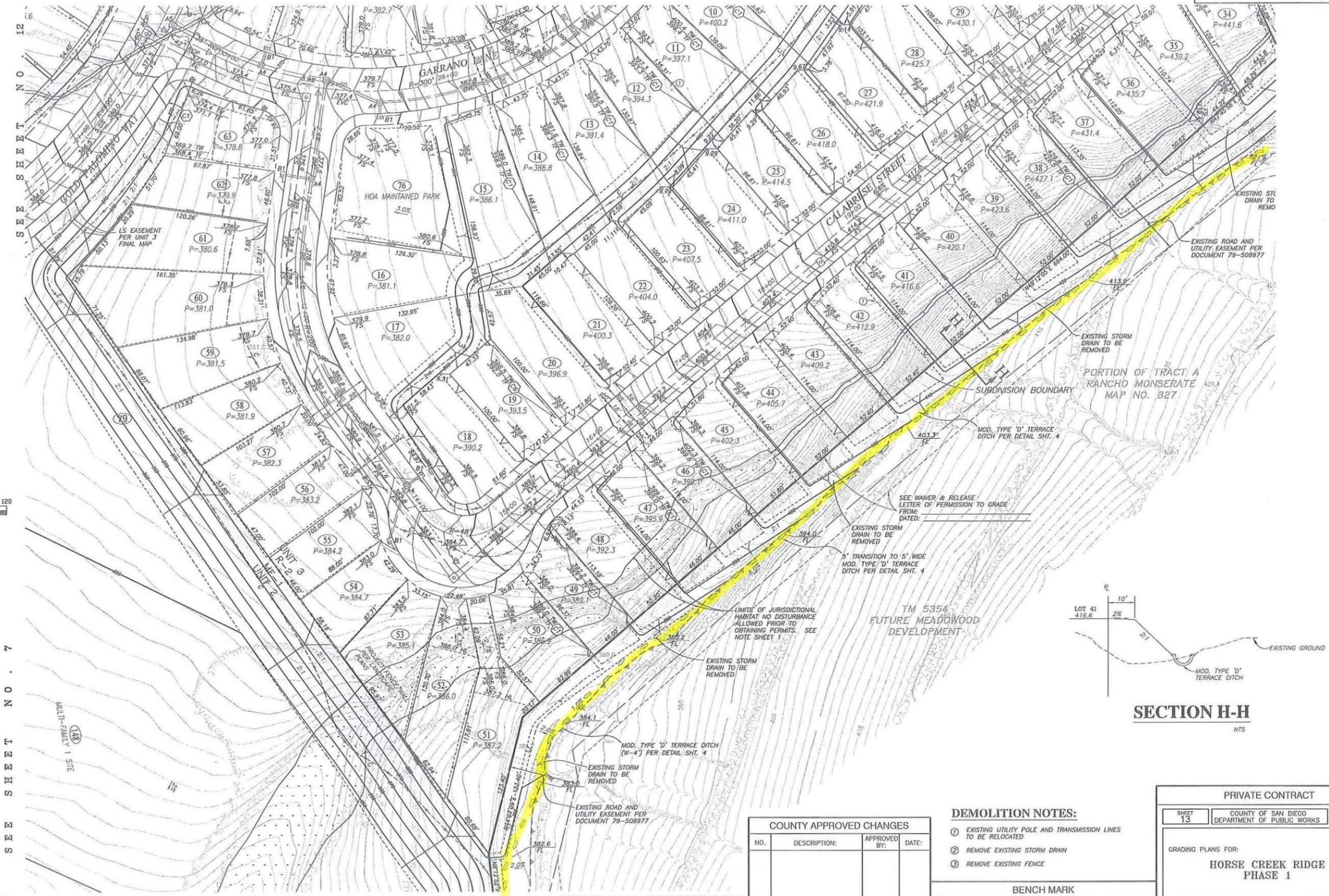
- DEMOLITION NOTES:**
- ① EXISTING UTILITY POLE AND TRANSMISSION LINES TO BE RELOCATED
  - ② REMOVE EXISTING STORM DRAIN
  - ③ REMOVE EXISTING FENCE

**BENCH MARK**  
DESCRIPTION: 2.25" CDOT DISC STAMPED SW 15/76 1980  
LOCATION: SW 15/76  
RECORD FROM: CALTRANS CONTROL MONUMENT DATA  
ELEVATION: 306.49 DATUM: USC & GS DATUM OF 1929

PRIVATE CONTRACT		
SHEET 14	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	29 SHEETS
GRADING PLANS FOR: <b>HORSE CREEK RIDGE PHASE 1</b>		
CALIFORNIA COORDINATE INDEX 426-1719(x)		
APPROVED FOR: MICHAEL K. FARRINGTON COUNTY ENGINEER	DATE: _____	ENGINEER OF WORK: RAYMOND L. MARTIN, REG. 48670
DATE: _____	DATE: _____	GENUINE PERMIT NO.: PDS2012-2700-15680

SEE SHEET NO. 14

PUBLIC STREETS & STORM DRAINS SHOWN HEREON TO BE CONSTRUCTED BY TM 5338-2 UNLESS OTHERWISE SHOWN



**SECTION H-H**  
NTS

SEE SHEET NO. 7

SEE SHEET NO. 7

**HUNSAKER & ASSOCIATES**  
SAN DIEGO, INC.

PLANNING 9707 Waples Street  
ENGINEERING San Diego, Ca 92121  
SURVEYING PH(858)558-4500 FX(858)558-1414

**RECORD PLAN**

RAYMOND L. MARTIN R.C.E. 48670 DATE \_\_\_\_\_  
EXPIRES: \_\_\_\_\_

COUNTY APPROVED CHANGES			
NO.	DESCRIPTION:	APPROVED BY:	DATE:

**DEMOLITION NOTES:**

- EXISTING UTILITY POLE AND TRANSMISSION LINES TO BE RELOCATED
- REMOVE EXISTING STORM DRAIN
- REMOVE EXISTING FENCE

**BENCH MARK**

DESCRIPTION: 2.25" CDOT DISC STAMPED SW 15/76 1980

LOCATION: SW 15/76

RECORD FROM: CALTRANS CONTROL MONUMENT DATA

ELEVATION: 306.49 DATUM: USC & GS DATUM OF 1929

**PRIVATE CONTRACT**

SHEET 13	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	29 SHEETS
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GRADING PLANS FOR:  
**HORSE CREEK RIDGE PHASE 1**

CALIFORNIA COORDINATE INDEX 426-1719(x)

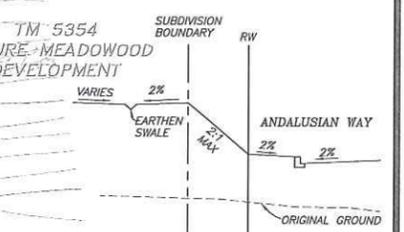
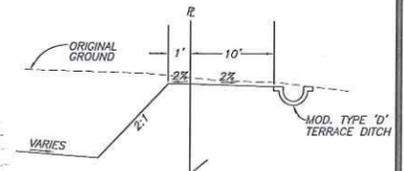
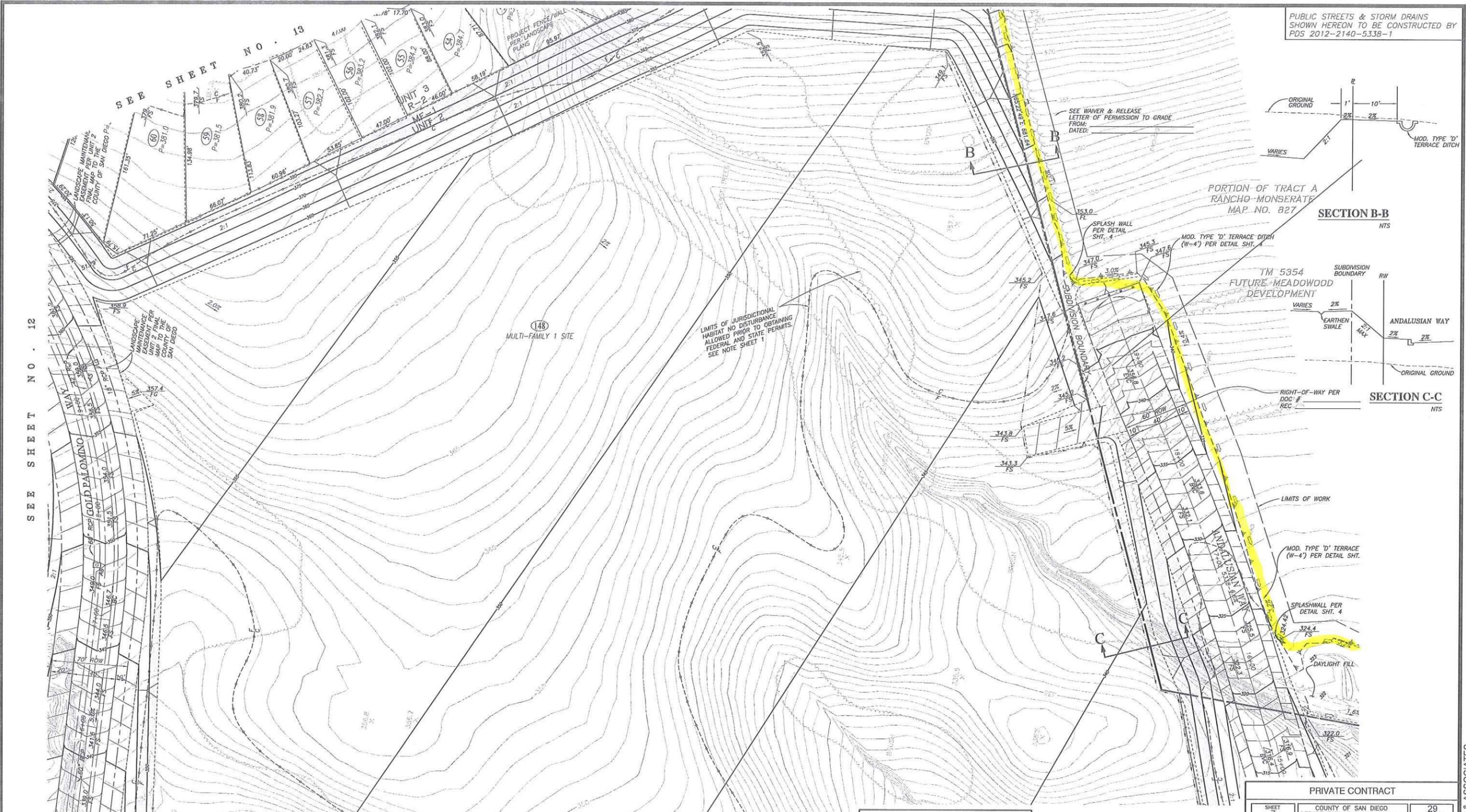
APPROVED FOR: MUSHAMMAD K. FAHREHABIAN COUNTY ENGINEER

ENGINEER OF WORK:  
DATE: RAYMOND L. MARTIN, R.C.E. 48670  
BY: \_\_\_\_\_  
ISSUING PERMIT NO: PDS2012-2700-15680

GRADING PLANS FOR HORSE CREEK RIDGE

ENGINEER'S NAME: HUNSAKER & ASSOCIATES  
PHONE NO. (858) 558-4500

PUBLIC STREETS & STORM DRAINS  
SHOWN HEREON TO BE CONSTRUCTED BY  
PDS 2012-2140-5338-1



SEE SHEET NO. 12

SEE SHEET NO. 13

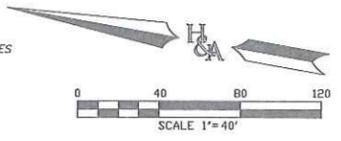
SEE SHEET NO. 6

GRADING PLANS FOR  
HORSE CREEK RIDGE



PLANNING 9707 Waples Street  
ENGINEERING San Diego, CA 92121  
SURVEYING PH(858)558-4500 FX(858)558-1414

- DEMOLITION NOTES:**
- EXISTING UTILITY POLE AND TRANSMISSION LINES TO BE RELOCATED
  - REMOVE EXISTING STORM DRAIN
  - REMOVE EXISTING FENCE



**RECORD PLAN**  
RAYMOND L. MARTIN R.C.E. 48670 DATE \_\_\_\_\_  
EXPIRES: \_\_\_\_\_

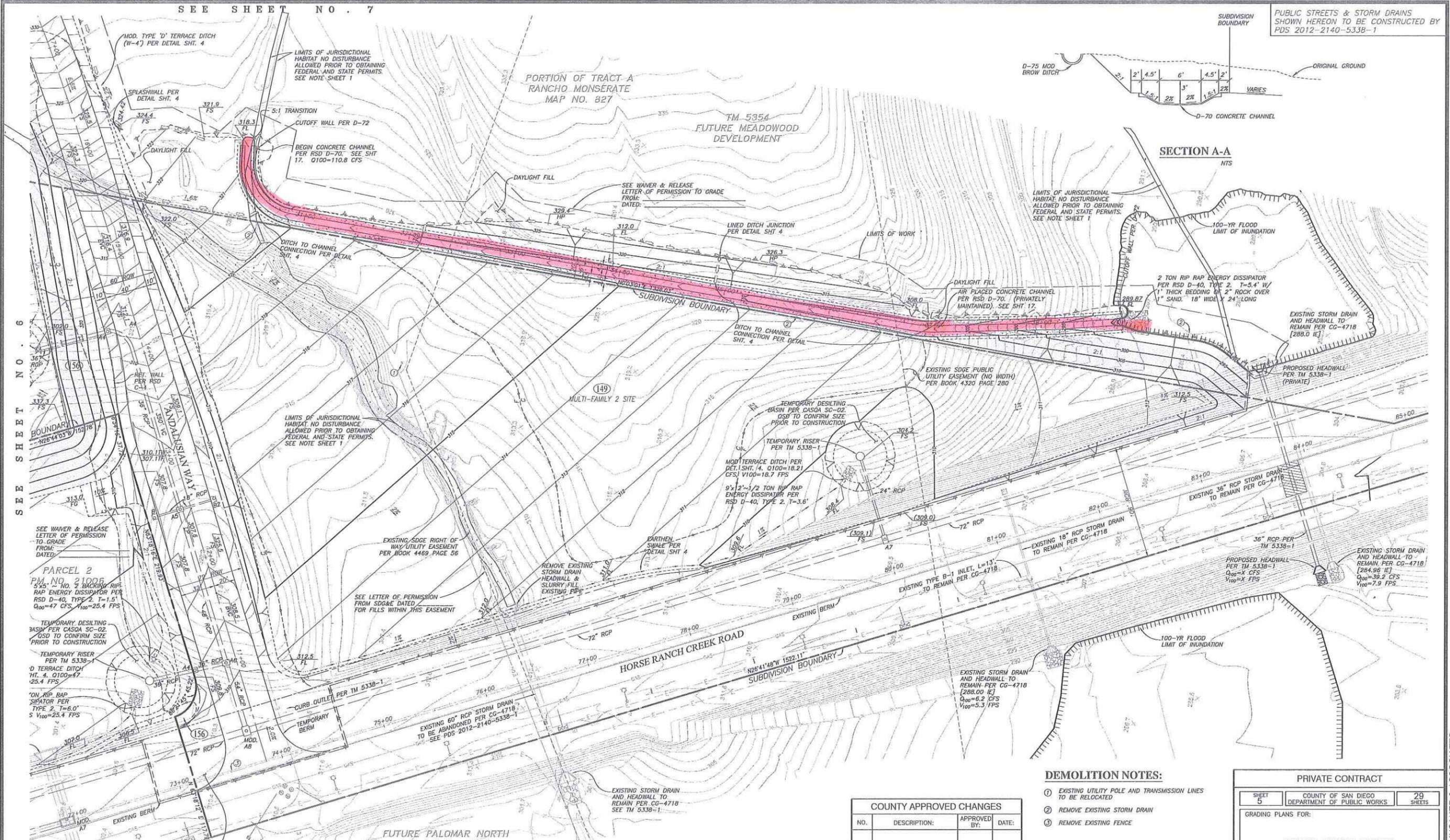
**COUNTY APPROVED CHANGES**

NO.	DESCRIPTION:	APPROVED BY:	DATE:

**BENCH MARK**  
DESCRIPTION: 2.25" CDOT DISC STAMPED SW 15/76 1980  
LOCATION: SW 15/76  
RECORD FROM: CALTRANS CONTROL MONUMENT DATA  
ELEVATION: 306.49 DATUM: USC & GS DATUM OF 1929

PRIVATE CONTRACT

SHEET 7	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	29 SHEETS
GRADING PLANS FOR:		
<b>HORSE CREEK RIDGE PHASE 1</b>		
CALIFORNIA COORDINATE INDEX 426-1719(x)		
APPROVED FOR: MOHAMMAD K. FAHROODINE COUNTY ENGINEER	DESIGNER OF WORKS: RAYMOND L. MARTIN, R.C.E. 48670	DATE: _____
BY: _____	ISSUING PERMIT NO: PDS2012-2700-15680	DATE: _____



SEE SHEET NO. 7

PUBLIC STREETS & STORM DRAINS SHOWN HEREON TO BE CONSTRUCTED BY PDS 2012-2140-5338-1

SECTION A-A  
NTS

SEE SHEET NO. 6

GRADING PLANS FOR HORSE CREEK RIDGE

PARCEL 2  
PM NO. 1006  
5'x2' NO. 2 BACKING RIP RAP ENERGY DISSIPATOR PER RSD D-40, TYPE 2, T=1.5' Q<sub>100</sub>=47 CFS V<sub>100</sub>=25.4 FPS

TEMPORARY DESILTING BASIN PER CASQA SC-02 OSD TO CONFIRM SIZE PRIOR TO CONSTRUCTION

TEMPORARY RISER PER TM 5338-1

MOD. TYPE 'D' TERRACE DITCH PER DETAIL SHT. 4

SEE WAIVER & RELEASE LETTER OF PERMISSION TO GRADE FROM: DATED:

LIMITS OF JURISDICTIONAL HABITAT NO DISTURBANCE ALLOWED PRIOR TO OBTAINING FEDERAL AND STATE PERMITS. SEE NOTE SHEET 1

LIMITS OF JURISDICTIONAL HABITAT NO DISTURBANCE ALLOWED PRIOR TO OBTAINING FEDERAL AND STATE PERMITS. SEE NOTE SHEET 1

SEE LETTER OF PERMISSION FROM SDG&E DATED FOR FILLS WITHIN THIS EASEMENT

FOR WORK WITHIN PUBLIC R/W, SEE PERMIT #

PORTION OF TRACT A RANCHO MONSERATE MAP NO. 827

TM 5354 FUTURE MEADOWWOOD DEVELOPMENT

149 MULTI-FAMILY 2 SITE

EXISTING SDG&E RIGHT OF WAY UTILITY EASEMENT PER BOOK 4469 PAGE 36

REMOVE EXISTING STORM DRAIN HEADWALL & SLURRY FILL EXISTING PIPE

EXISTING 60" RCP STORM DRAIN TO BE ABANDONED PER CG-4718 SEE PDS 2012-2140-5338-1

EXISTING STORM DRAIN AND HEADWALL TO REMAIN PER CG-4718 SEE TM 5338-1

LIMITS OF JURISDICTIONAL HABITAT NO DISTURBANCE ALLOWED PRIOR TO OBTAINING FEDERAL AND STATE PERMITS. SEE NOTE SHEET 1

AIR PLACED CONCRETE CHANNEL PER RSD D-70. (PRIVATELY MAINTAINED) SEE SHT. 17.

EXISTING SDG&E PUBLIC UTILITY EASEMENT (NO WIDTH) PER BOOK 4320 PAGE 280

EXISTING TYPE B-1 INLET, L=13' TO REMAIN PER CG-4718

EXISTING STORM DRAIN AND HEADWALL TO REMAIN PER CG-4718 [288.00 IE] Q<sub>100</sub>=6.2 CFS V<sub>100</sub>=5.3 FPS

DEMOLITION NOTES:

- ① EXISTING UTILITY POLE AND TRANSMISSION LINES TO BE RELOCATED
- ② REMOVE EXISTING STORM DRAIN
- ③ REMOVE EXISTING FENCE

COUNTY APPROVED CHANGES

NO.	DESCRIPTION:	APPROVED BY:	DATE:

RECORD PLAN  
RAYMOND L. MARTIN R.C.E. 48670 DATE  
EXPIRES: \_\_\_\_\_

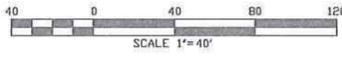
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PRIVATE CONTRACT		
SHEET 5	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	29 SHEETS
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CALIFORNIA COORDINATE INDEX		426-1719(x)
APPROVED FOR: MOHAMMAD K. FAHREDDINE COUNTY ENGINEER	ENGINEER OF WORK:	DATE: _____
DATE: _____	RAYMOND L. MARTIN, R.C.E. 48670	DATE: _____
DATE: _____	GRADING PLAN NO. PDS2012-2700-15680	DATE: _____

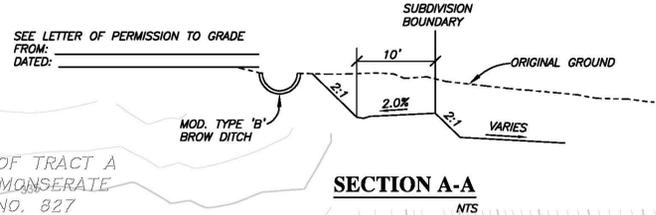
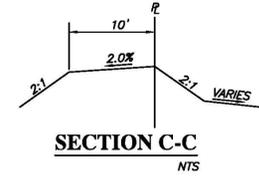
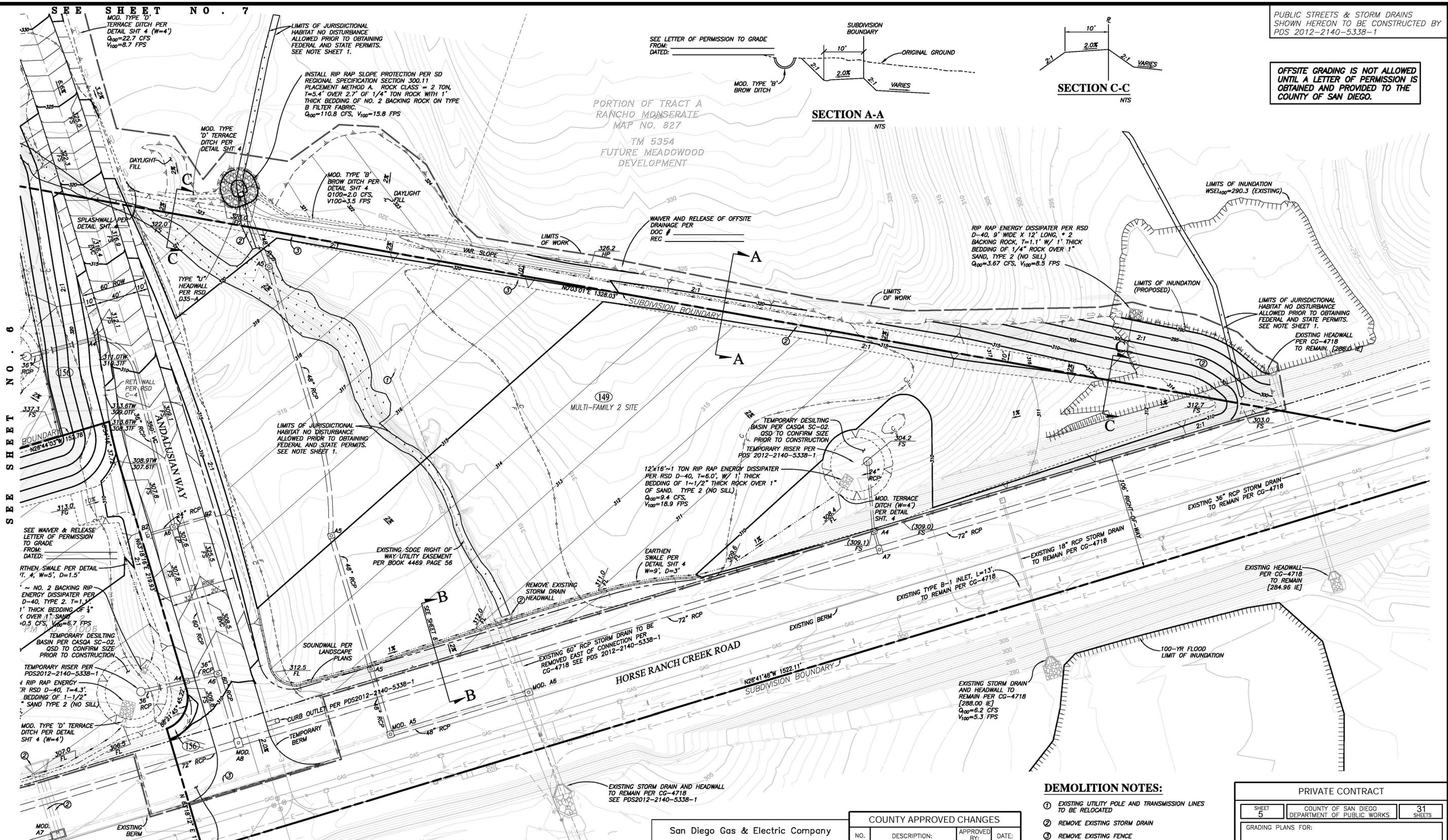
**HUNSAKER & ASSOCIATES**  
SAN DIEGO, INC.

PLANNING 9707 Waples Street  
ENGINEERING San Diego, CA 92121  
SURVEYING PH(619)558-4500 • FX(619)558-1114



PUBLIC STREETS & STORM DRAINS SHOWN HEREON TO BE CONSTRUCTED BY PDS 2012-2140-5338-1

OFFSITE GRADING IS NOT ALLOWED UNTIL A LETTER OF PERMISSION IS OBTAINED AND PROVIDED TO THE COUNTY OF SAN DIEGO.



SECTION C-C  
NTS

SECTION A-A  
NTS

PORTION OF TRACT A  
RANCHO MONSERATE  
MAP NO. 827  
TM 5354  
FUTURE MEADOWOOD  
DEVELOPMENT

SEE SHEET NO. 7

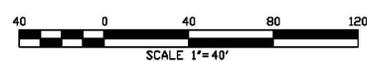
SEE SHEET NO. 6

**HUNSAKER & ASSOCIATES**  
SAN DIEGO, INC.

PLANNING 9707 Waples Street  
ENGINEERING San Diego, Ca 92121  
SURVEYING PH(858)558-4500 FX(858)558-1434

FOR WORK WITHIN PUBLIC R/W SEE PERMIT #

PORTION PARCEL 1  
PM NO. 13703



San Diego Gas & Electric Company  
Reviewed By: \_\_\_\_\_ Date: \_\_\_\_\_  
Jeff Sykes  
Land Management Supervisor  
Valid for 18 months from date of signature

RECORD PLAN  
RAYMOND L. MARTIN R.C.E. 48670 DATE  
EXPIRES: \_\_\_\_\_

COUNTY APPROVED CHANGES

NO.	DESCRIPTION:	APPROVED BY:	DATE:

DEMOLITION NOTES:

- ① EXISTING UTILITY POLE AND TRANSMISSION LINES TO BE RELOCATED
- ② REMOVE EXISTING STORM DRAIN
- ③ REMOVE EXISTING FENCE

BENCH MARK

DESCRIPTION: 2.25" CDOT DISC STAMPED SW 15/76 1980  
LOCATION: SW 15/76  
RECORD FROM: CALTRANS CONTROL MONUMENT DATA  
ELEVATION: 306.49 DATUM: USC & GS DATUM OF 1929

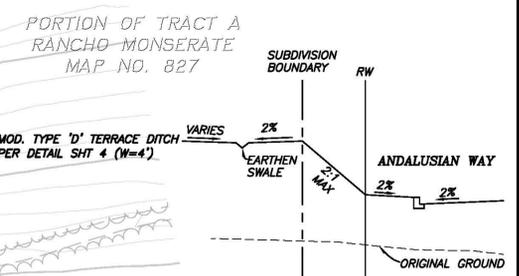
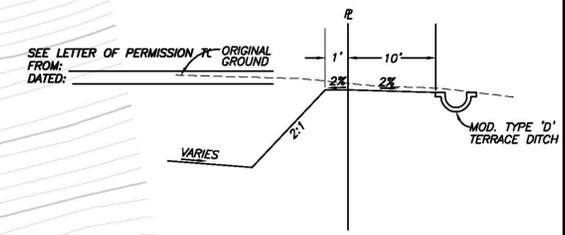
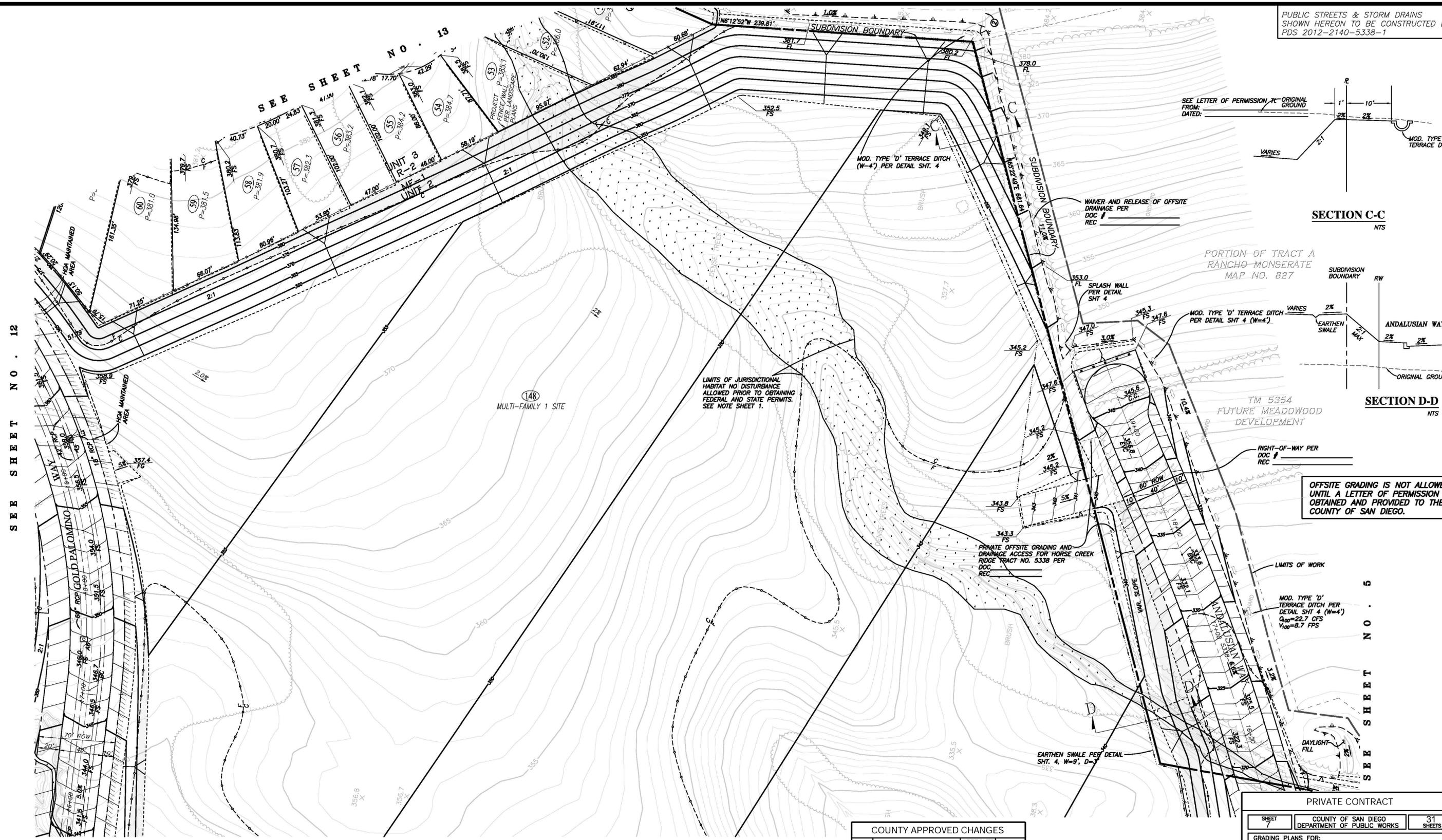
PRIVATE CONTRACT

SHEET 5	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	31 SHEETS
GRADING PLANS FOR:		
<b>HORSE CREEK RIDGE PHASE 1</b>		
CALIFORNIA COORDINATE INDEX		426-1719(x)
APPROVED FOR: MOHAMMAD K. FARRUKHODINE COUNTY ENGINEER	DATE: _____	BY: _____
DATE: _____	RAYMOND L. MARTIN, RCE 48670	PDS2012-2700-15680

GRADING PLANS FOR HORSE CREEK RIDGE

ENGINEER'S NAME: HUNSAKER & ASSOCIATES  
PHONE NO. (858) 558-4500

PUBLIC STREETS & STORM DRAINS SHOWN HEREON TO BE CONSTRUCTED BY PDS 2012-2140-5338-1



OFFSITE GRADING IS NOT ALLOWED UNTIL A LETTER OF PERMISSION IS OBTAINED AND PROVIDED TO THE COUNTY OF SAN DIEGO.

SEE SHEET NO. 12

SEE SHEET NO. 13

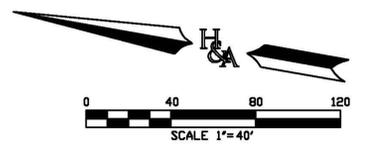
SEE SHEET NO. 6

SEE SHEET NO. 5

**HUNSAKER & ASSOCIATES**  
SAN DIEGO, INC.

PLANNING 9707 Waples Street  
ENGINEERING San Diego, Ca 92121  
SURVEYING PH(858)558-4500 - FX(858)558-1414

- DEMOLITION NOTES:**
- EXISTING UTILITY POLE AND TRANSMISSION LINES TO BE RELOCATED
  - REMOVE EXISTING STORM DRAIN
  - REMOVE EXISTING FENCE



RECORD PLAN

RAYMOND L. MARTIN R.C.E. 48670 DATE \_\_\_\_\_

EXPIRES: \_\_\_\_\_

COUNTY APPROVED CHANGES			
NO.	DESCRIPTION:	APPROVED BY:	DATE:

BENCH MARK

DESCRIPTION: 2.25" CDOT DISC STAMPED SW 15/76 1980

LOCATION: SW 15/76

RECORD FROM: CALTRANS CONTROL MONUMENT DATA

ELEVATION: 306.49 DATUM: USC & GS DATUM OF 1929

PRIVATE CONTRACT

SHEET 7 COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS 31 SHEETS

GRADING PLANS FOR:

**HORSE CREEK RIDGE PHASE 1**

CALIFORNIA COORDINATE INDEX 426-1719(x)

APPROVED FOR: MOHAMMAD K. FARRUKHODIN COUNTY ENGINEER

ENGINEER OF WORK: RAYMOND L. MARTIN, R.C.E. 48670 DATE: \_\_\_\_\_

PROJECT FROM: PDS2012-2700-15680

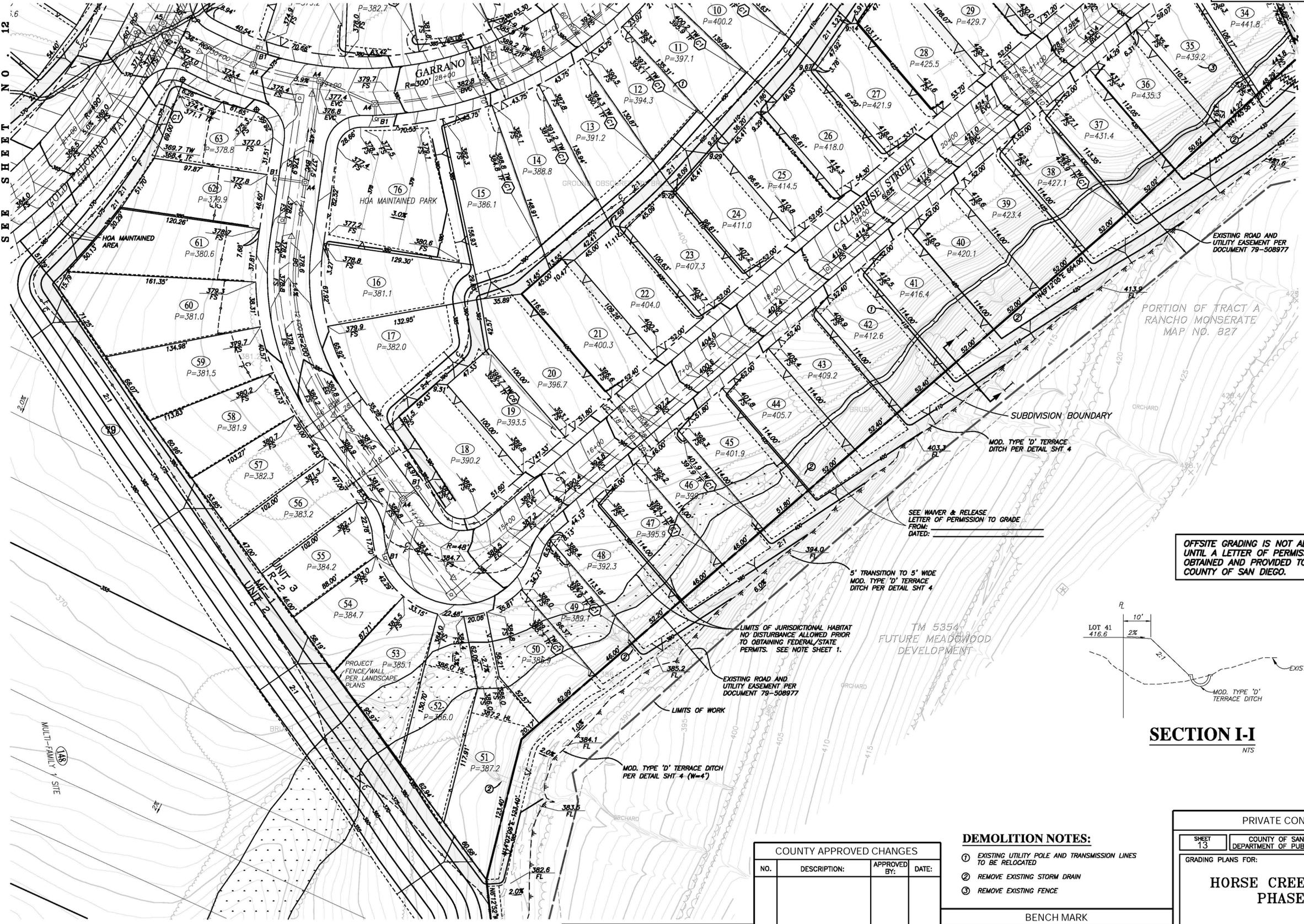
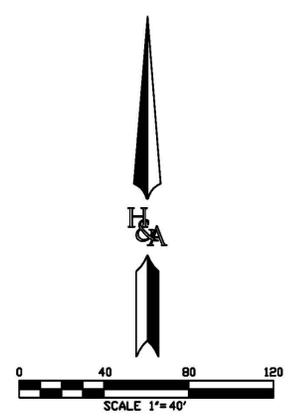
GRADING PLANS FOR HORSE CREEK RIDGE

ENGINEER'S NAME: HUNSAKER & ASSOCIATES  
PHONE NO. (858) 558-4500

SEE SHEET NO. 14

PUBLIC STREETS & STORM DRAINS SHOWN HEREON TO BE CONSTRUCTED BY PDS 2012-2140-5338-1

SEE SHEET NO. 12  
SEE SHEET NO. 7



EXISTING ROAD AND UTILITY EASEMENT PER DOCUMENT 79-508977

PORTION OF TRACT A RANCHO MONSERATE MAP NO. 827

SUBDIVISION BOUNDARY

MOD. TYPE 'D' TERRACE DITCH PER DETAIL SHT 4

SEE WAIVER & RELEASE LETTER OF PERMISSION TO GRADE FROM: DATED:

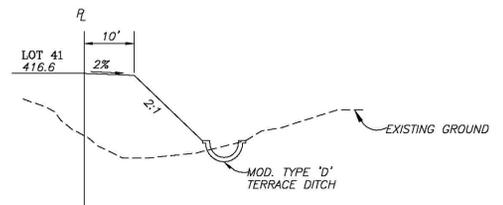
5' TRANSITION TO 5' WIDE MOD. TYPE 'D' TERRACE DITCH PER DETAIL SHT 4

LIMITS OF JURISDICTIONAL HABITAT NO DISTURBANCE ALLOWED PRIOR TO OBTAINING FEDERAL/STATE PERMITS. SEE NOTE SHEET 1.

EXISTING ROAD AND UTILITY EASEMENT PER DOCUMENT 79-508977

LIMITS OF WORK

MOD. TYPE 'D' TERRACE DITCH PER DETAIL SHT 4 (W=4')



SECTION I-I  
NTS

TM 5354 FUTURE MEADOWWOOD DEVELOPMENT

MULTI-FAMILY SITE

PROJECT FENCE/WALL PER LANDSCAPE PLANS



PLANNING 9707 Waples Street  
ENGINEERING San Diego, Ca 92121  
SURVEYING PH(658)558-4500 FX(658)558-1414

SEE SHEET NO. 7

COUNTY APPROVED CHANGES			
NO.	DESCRIPTION:	APPROVED BY:	DATE:

RECORD PLAN  
 RAYMOND L. MARTIN R.C.E. 48670 DATE  
 EXPIRES: \_\_\_\_\_

DEMOLITION NOTES:

- ① EXISTING UTILITY POLE AND TRANSMISSION LINES TO BE RELOCATED
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PRIVATE CONTRACT

SHEET 13	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	31 SHEETS
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GRADING PLANS FOR:

**HORSE CREEK RIDGE PHASE 1**

CALIFORNIA COORDINATE INDEX 426-1719(x)

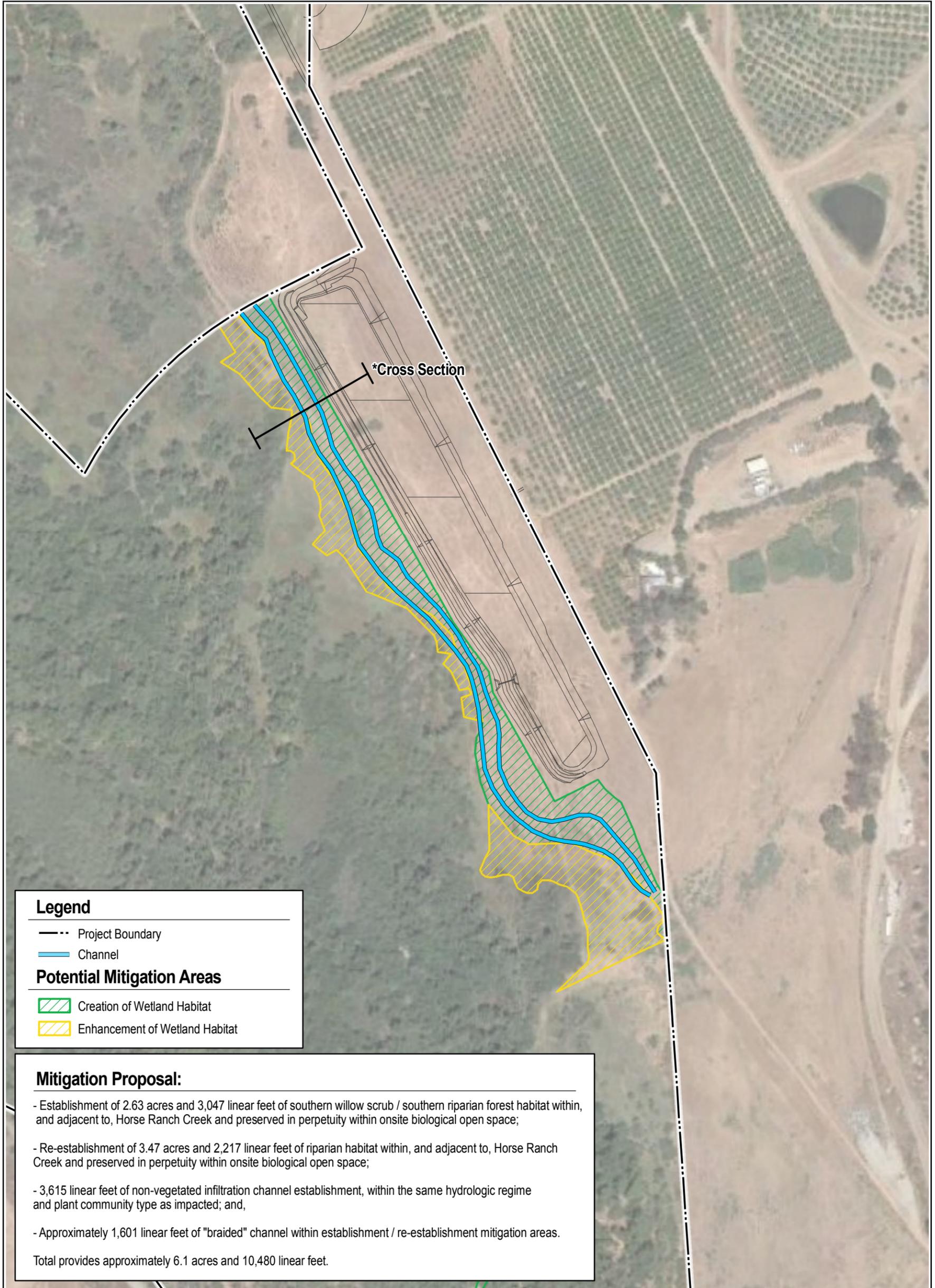
APPROVED FOR: HONORABLE K. FARRINGTON COUNTY ENGINEER

ENGINEER OF WORK: RAYMOND L. MARTIN, R.C.E. 48670 DATE: PDS2012-2700-15680

GRADING PLANS FOR HORSE CREEK RIDGE

ENGINEER'S NAME: HUNSAKER & ASSOCIATES PHONE NO. (658) 558-4500

## Approximate Cross Section\*



**Legend**

- Project Boundary
- Channel

**Potential Mitigation Areas**

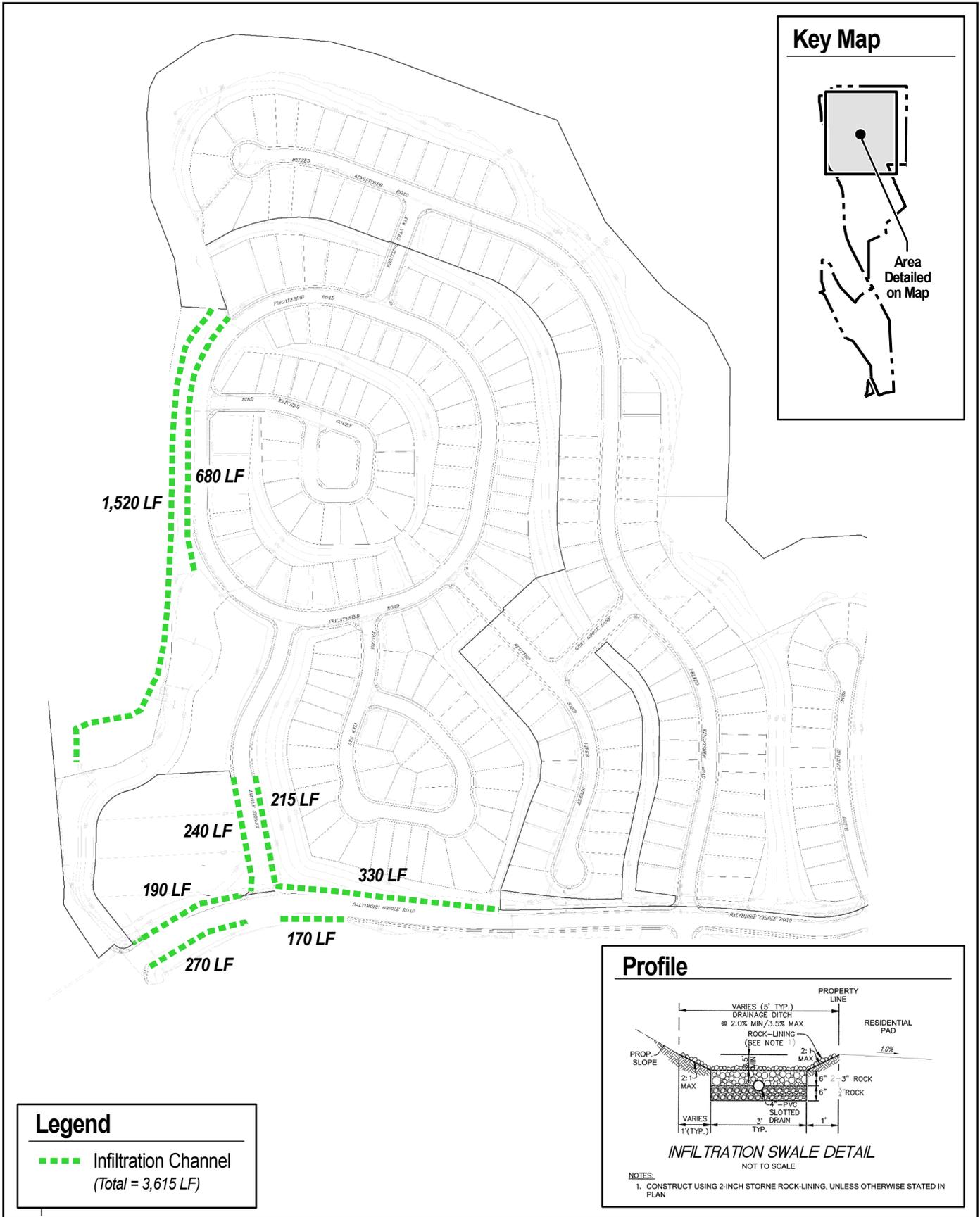
- Creation of Wetland Habitat
- Enhancement of Wetland Habitat

**Mitigation Proposal:**

- Establishment of 2.63 acres and 3,047 linear feet of southern willow scrub / southern riparian forest habitat within, and adjacent to, Horse Ranch Creek and preserved in perpetuity within onsite biological open space;
- Re-establishment of 3.47 acres and 2,217 linear feet of riparian habitat within, and adjacent to, Horse Ranch Creek and preserved in perpetuity within onsite biological open space;
- 3,615 linear feet of non-vegetated infiltration channel establishment, within the same hydrologic regime and plant community type as impacted; and,
- Approximately 1,601 linear feet of "braided" channel within establishment / re-establishment mitigation areas.

Total provides approximately 6.1 acres and 10,480 linear feet.

T:\Project\_Data\Campus\_Park\Final\_Maps\RWOCB\_Mitigation\_Plan\_UPDATE\_Feb2014\CP\_Fig-06A\_MitigationChannels\_022714.mxd



**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/>

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:** Campus Park (Horse Creek Ridge) Development  
Project  
Certification Number 12C-048  
WDID: 9000002472

Reg. Meas. ID: 385543 Place ID: 782211 Party ID: 534476 Person ID: 534477
--

**APPLICANTS:** Lisa Malec  
Passerelle LLC  
402 W. Broadway, Suite 1320  
San Diego, California 92101

Daniel Boyd  
D.R. Horton  
2280 Wardlow Circle, Suite 100  
Corona, CA 92880

**ACTION:**

<input type="checkbox"/> Order for Low Impact Certification	<input type="checkbox"/> Order for Denial of Certification
<input checked="" type="checkbox"/> Order for Technically-conditioned Certification	<input type="checkbox"/> Waiver of Waste Discharge Requirements
<input checked="" type="checkbox"/> Enrollment in SWRCB GWDR Order No. 2003-017 DWQ	<input type="checkbox"/> Enrollment in Isolated Waters Order No. 2004-004 DWQ

**PROJECT DESCRIPTION**

An application dated May 29, 2012 was submitted by Passerelle LLC and D.R. Horton (hereinafter Applicants), for Water Quality Certification pursuant to section 401 of the Clean Water Act (33 U.S.C. § 1341) for the proposed Campus Park (Project). The California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) deemed the application to be complete on November 15, 2012. The Applicants propose to discharge dredged or fill material to waters of the United States and/or State associated with construction activity at the Project site.

The Project is located within the City of San Diego, San Diego County, California at the northeastern intersection of Interstate 15 and State Route 76 and south of Pala Mesa Heights Drive. The Project center reading is located at latitude 33.352139 and longitude -117.152856. The Applicants have paid all required fees for this Certification in the amount of \$59,000. On

June 15, 2012, the San Diego Water Board provided public notice of the Project application pursuant to California Code of Regulations, title 23, section 3858 by posting information describing the Project on the San Diego Water Board's web site and providing a period of twenty-one days for public review and comment. No comments were received.

The total Project site is 416 acres. The Project design, that has been approved by the County of San Diego (County), provides for 138 acres of residential use consisting of 751 residential units (521 single family lots and 230 multi-family units), 8.2 acres of town center including neighborhood-serving commercial retail shops and services, restaurants, offices, and public uses such as a post office, 15.5 acres of office/commercial uses, 9.4 acres of parks, 6.1 acres of other uses including a pump station, staging area, and trails.

The proposed Project also includes the construction of a 15-inch sewer line and 12-inch water line within Horse Ranch Creek Road. The Applicants redesigned the proposed sewer and water line alignments based on coordination with the United States Army Corps of Engineers (Corps) and input from the local Native American Tribes to avoid an area along Horse Ranch Creek Road with sensitive cultural/tribal resources. The current alignment of the proposed sewer and water lines will occur within the existing alignment and right-of-way for Horse Ranch Creek Road and traverse the road in a southerly direction for approximately 7,150 linear feet (LF) before turning to the southwest and entering the Pankey Place (also known as Street R) alignment for approximately 1,650 LF before heading south within existing Pankey Road toward the sewer lift station near the intersection of State Highway 76 and Pankey Road. The disturbance area for the sewer and water lines within Pankey Place will total approximately 1.17 acres of wetlands and 100 LF of streambed.

The Project will convert approximately 89.3 acres of pervious ground cover to impervious surfaces. Runoff leaving the developed Project area will be significantly greater in volume, velocity, peak flow rate, and duration than pre-development runoff from the same area. Post-construction best management practices (BMPs) to manage and control the effects of these runoff increases will consist of grass lined filtration swales, curb inlet filtration basins, and detention basins. These BMPs will be designed, constructed, and maintained to meet the County's *Standard Urban Stormwater Mitigation Plan Requirements for Development Applications*.

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 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 on-site or off-site 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 Basin (9)* (Basin Plan).

The Applicants propose to avoid a majority of the on-site wetlands (88.12 acres of the 94.2 acres) within the portion of the Project site south of the Palomar Community College project area and west of Horse Ranch Creek Road.

Total Project impacts are 1.91 acres (10,065 LF) of ephemeral drainages and wetland waters of the United States and/or State. The Project will result in the filling of 9,965 linear feet of ephemeral streams (0.74 acre of non-wetland waters of the United States) and 100 linear feet (1.17 acres) of willow scrub habitat. The Applicants report 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. The Project will avoid 88.12 acres of the existing 94.2 acres of jurisdictional wetlands and 0.48 acre of non-wetland ephemeral waters of the U.S., thus avoiding approximately 93% of jurisdictional waters on the Project site.

Mitigation for unavoidable impacts consist of the establishment of 2.34 acres of southern willow scrub habitat, re-establishment of 1.17 acres of southern willow scrub habitat and re-establishment of 2.49 acres of ephemeral streambed habitat within, and adjacent to, Horse Ranch Creek. Mitigation for linear impacts consists of 6,715 linear feet establishment and re-establishment. Mitigation will occur within, or adjacent to, the 88.12-acre avoided wetland area.

The Applicants will also establish of 3,350 linear feet of un-vegetated infiltration channels which will offset some of the lost functions from permanent impacts (fill) to portions of Drainages A, B, and D which run through the Project site. The infiltration channels will be located in the northwestern part of the Project site.

All waters of the United States and/or State receiving temporary discharges of fill material will be restored upon removal of the fill. Mitigation for discharges of fill material to waters of the United States and/or State will be completed by the Applicants on-site within the Bonsall hydrologic sub-area (HSA 903.12) at a minimum compensation ratio of 2:1 for willow scrub establishment, 1:1 willow scrub re-establishment, and 3.36:1 for streambed re-establishment (area mitigated:area impacted).

Detailed written specifications and work descriptions for the compensatory mitigation project including, but not limited to, the geographic boundaries of the Project, timing, sequence, monitoring, maintenance, ecological success performance standards and provisions for long-term management and protection of the mitigation areas are described in the draft *Campus Park (Horse Creek Ridge) Compensatory Mitigation Plan* (Mitigation Plan), dated August 2013. The Mitigation Plan, and any subsequent approved versions submitted to the San Diego Water Board, is incorporated in this Certification by reference as if set forth herein. The Mitigation Plan provides for implementation of compensatory mitigation which offsets adverse water quality impacts attributed to the Project in a manner that protects and restores the abundance, types and conditions of aquatic resources and supports their beneficial uses. Implementation of the Mitigation Plan will reduce significant environmental impacts to resources within the San Diego Water Board's purview to a less than significant level. Based on all of these considerations, the Mitigation Plan will adequately compensate for the loss of beneficial uses and habitat within waters of the United States and/or State attributable to the Project.

Additional Project details are provided in Attachments 1 through 5 of this Certification.

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### Attachments:

1. Definitions
2. Project Location Maps
3. Project Site Plans
4. Mitigation Figures
5. CEQA Mitigation Monitoring and Reporting Program

## I. STANDARD CONDITIONS

Pursuant to section 3860 of title 23 of the California Code of Regulations, 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 chapter 28, article 6 (commencing with title 23, section 3867), of the California Code of Regulations.
- 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 California Code of Regulations title 23, section 3855 subdivision (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 title 23, chapter 28 (commencing with section 3830) of California Code of Regulations and owed by the applicants.

## II. GENERAL CONDITIONS

- A. **Term of Certification.** Water Quality Certification No. 12C-048 (Certification) shall expire upon a) the expiration or retraction of the Clean Water Act section 404 (33 U.S.C. §1344) permit issued by the U.S. Army Corps of Engineers for this Project, or b) five (5) years from the date of issuance of this Certification, whichever occurs first.
- B. **Duty to Comply.** The Applicants must comply with all conditions and requirements of this Certification. Any Certification noncompliance constitutes a violation of the Water Code and is grounds for enforcement action or Certification termination, revocation and reissuance, or modification.
- C. **General Waste Discharge Requirements.** The requirements of this Certification are enforceable through 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* (Water Quality Order No. 2003-0017-DWQ). This provision shall apply irrespective of whether a) the federal permit for which the Certification was obtained is subsequently retracted or is expired, or b) the Certification is expired. Water Quality Order No. 2003-0017-DWQ is accessible at:

[http://www.waterboards.ca.gov/water\\_issues/programs/cwa401/docs/generalorders/go\\_wdr401regulated\\_projects.pdf](http://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/generalorders/go_wdr401regulated_projects.pdf)

- D. Project Conformance with Application.** All water quality protection measures and BMPs described in the application and supplemental information for water quality certification are incorporated by reference into this Certification as if fully stated herein. Notwithstanding any more specific conditions in this Certification, the Applicants shall construct, implement and comply with all water quality protection measures and BMPs described in the application and supplemental information. The conditions within this Certification shall supersede conflicting provisions within the application and supplemental information submitted as part of this Certification action.
- E. Project Conformance with Water Quality Control Plans or Policies.** Notwithstanding any more specific conditions in this Certification, the Project shall be constructed in a manner consistent with the Basin Plan and any other applicable water quality control plans or policies adopted or approved pursuant to the Porter Cologne Water Quality Act (Division 7, commencing with Water Code Section 13000) or section 303 of the Clean Water Act (33 U.S.C §1313).
- F. Project Modification.** The Applicants must submit any changes to the Project, including Project operation, which would have a significant or material effect on the findings, conclusions, or conditions of this Certification, to the San Diego Water for prior review and written approval. If the San Diego Water Board is not notified of a significant change to the Project, it will be considered a violation of this Certification.
- G. Certification Distribution Posting.** During Project construction, the Applicants must maintain a copy of this Certification at the Project site. This Certification must be available at all times to site personnel and agencies. A copy of this Certification shall also be provided to any contractor or subcontractor performing construction work, and the copy shall remain in their possession at the Project site.
- H. Inspection and Entry.** The Applicants 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 or Compensatory Mitigation site(s) premises where a regulated facility or activity is located or conducted, or where records must be 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, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Certification; and
  4. Sample or monitor, at reasonable times, for the purposes of assuring Certification compliance, or as otherwise authorized by the Clean Water Act or Water Code, any substances or parameters at any location.

- I. **Enforcement Notification.** In the event of any violation or threatened violation of the conditions of this Certification, the violation or threatened violation shall 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, 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.
- J. **Certification Actions.** This Certification may be modified, revoked and reissued, or terminated for cause including but not limited to the following:
1. Violation of any term or condition of this Certification;
  2. Monitoring results indicate that continued Project activities could violate water quality objectives or impair the beneficial uses of the San Luis Rey River or its tributaries;
  3. Obtaining this Certification by misrepresentation or failure to disclose fully all relevant facts;
  4. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge; and
  5. Incorporation of any new or revised water quality standards and implementation plans adopted or approved pursuant to the Porter-Cologne Water Quality Control Act or section 303 of the Clean Water Act.
- The filing of a request by the Applicants for modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any Certification condition.
- K. **Duty to Provide Information.** The Applicants shall furnish to the San Diego Water Board, within a reasonable time, any information which the San Diego Water Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Certification or to determine compliance with this Certification.
- L. **Property Rights.** This Certification does not convey any property rights of any sort, or any exclusive privilege.

### III. CONSTRUCTION BEST MANAGEMENT PRACTICES

- A. **Approvals to Commence Construction.** The Applicants shall not commence Project construction until all necessary federal, state, and local approvals are obtained.
- B. **Personnel Education.** Prior to the start of the Project, and annually thereafter, the Applicants must educate all personnel on the requirements in this Certification, pollution

prevention measures, spill response measures, and BMP implementation and maintenance measures.

- C. **Spill Containment Materials.** The Applicants 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.
- D. **General Construction Storm Water Permit.** Prior to start of Project construction, the Applicants must, as applicable, obtain coverage under, and comply with, the requirements of State Water Resources Control Board Water Quality Order No. 2009-0009-DWQ, the *General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activity*, (General Construction Storm Water Permit) and any reissuance. If Project construction activities do not require coverage under the General Construction Storm Water Permit, the Applicants must develop and implement a runoff management plan (or equivalent construction BMP plan) to prevent the discharge of sediment and other pollutants during construction activities.
- E. **Waste Management.** The Applicants must properly manage, store, treat, and dispose of wastes in accordance with applicable federal, state, and local laws and regulations. Waste management shall be implemented to avoid or minimize exposure of wastes to precipitation or storm water runoff. The storage, handling, treatment, or disposal of waste shall not create conditions of pollution, contamination or nuisance as defined in Water Code section 13050. Upon Project completion, all Project generated debris, building materials, excess material, waste, and trash shall be removed from the Project site(s) for disposal at an authorized landfill or other disposal site in compliance with federal, state and local laws and regulations.
- F. **Waste Management.** Except for a discharge permitted under this Certification, the dumping, deposition, or discharge of trash, rubbish, unset cement or asphalt, concrete, grout, damaged concrete or asphalt, concrete or asphalt spoils, wash water, organic or earthen material, steel, sawdust or other construction debris waste from Project activities directly into waters of the United States and or State, or adjacent to such waters in any manner which may permit its being transported into the waters, is prohibited.
- G. **Downstream Erosion.** Discharges of concentrated flow during construction or after Project completion must not cause downstream erosion or damage to properties or stream habitat.
- H. **Construction Equipment.** All equipment must be washed prior to transport to the Project site and must be free of sediment, debris, and foreign matter. All equipment used in direct contact with surface water shall be steam cleaned prior to use. All equipment using gas, oil, hydraulic fluid, or other petroleum products shall be inspected for leaks prior to use and shall be monitored for leakage. Stationary equipment (e.g., motors, pumps, generator, etc.) shall be positioned over drip pans or other types of

containment.

- I. **Process Water.** 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 water runoff flows. Pollutants discharged to areas within a stream diversion must be removed at the end of each work day or sooner if rain is predicted.
- J. **Surface Water Diversion.** All surface waters, including ponded waters, must be diverted away from areas of active grading, construction, excavation, vegetation removal, and/or any other activity which may result in a discharge to the receiving water. Diversion activities must not result in the degradation of beneficial uses or exceedance of the receiving water quality objectives. 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 work at that location.
- K. **Re-vegetation and Stabilization.** All areas that have 14 or more days of inactivity must be stabilized within 14 days of the last activity. The Applicants are responsible for implementing and maintaining BMPs to prevent erosion of the rough graded areas. After completion of grading, all areas must be re-vegetated with native species appropriate for the area. The re-vegetation palette must not contain any plants listed on the California Invasive Plant Council Invasive Plant Inventory, which can be accessed at <http://www.cal-ipc.org/ip/inventory/weedlist.php>.
- L. **Hazardous Materials.** Except as authorized by this Certification, substances hazardous to aquatic life including, but not limited to, petroleum products, unused 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.
- M. **Vegetation Removal.** Removal of vegetation must occur by hand, mechanically, or through application of United States Environmental Protection Agency (USEPA) approved herbicides deployed using applicable BMPs to minimize adverse effects to beneficial uses of waters of the United States and/or State. Discharges related to the application of aquatic pesticides within waters of the United States must be done in compliance 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.
- N. **Limits of Disturbance.** The Applicants shall clearly define the limits of Project disturbance to waters of the United States and/or State using highly visible markers such as flag markers, construction fencing, or silt barriers prior to commencement of Project construction activities within those areas.

- O. **On-site Qualified Biologist.** The Applicants shall designate an on-site qualified biologist to monitor Project construction activities within or adjacent to waters of the United States and/or State to ensure compliance with the Certification requirements. The biologist shall be given the authority to stop all work on-site if a violation of this Certification occurs or has the potential to occur. 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.
- P. **Beneficial Use Protection.** The Applicants must take all necessary measures to protect the beneficial uses of waters of the San Luis Rey River and its tributaries. This Certification requires compliance with all applicable requirements of the Basin Plan. If at any time, an unauthorized discharge to surface waters (including rivers or streams) occurs or monitoring indicates that the Project is violating, or threatens to violate, water quality objectives, the associated Project activities shall cease immediately and the San Diego Water Board shall be notified in accordance with Notification Requirement VII.A of this Certification. Associated Project activities may not resume without approval from the San Diego Water Board.
- Q. **Storm Water Pollution Prevention Plan.** A Storm Water Pollution Prevention Plan (SWPPP) must be submitted to the San Diego Water Board prior to the start of construction.
- R. **Grading Plans.** A final version of the grading plans must be submitted the San Diego Water Board prior to the start of construction.

#### IV. POST-CONSTRUCTION BEST MANAGEMENT PRACTICES

- A. **Post-Construction Discharges.** The Applicants shall not allow post-construction discharges from the Project site to cause or contribute to onsite or off-site erosion or damage to properties or stream habitats.
- B. **Storm Drain Inlets.** All storm drain inlet structures within the Project boundaries must be stamped or stenciled (or equivalent) with appropriate language prohibiting non-storm water discharges.
- C. **Post-Construction BMP Design.** The Project must be designed to comply with the most current Standard Storm Water Mitigation and Hydromodification Plan requirements for the County. Post-construction BMPs, including those described in the *Major Stormwater Management Plan for Horse Creek Ridge Phase I (SWMP Phase I)*, dated June 19, 2013 and *Major Stormwater Management Plan for Horse Creek Ridge Phase II (SWMP Phase II)*, dated May 9, 2013, must treat 100 percent of the added 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 85<sup>th</sup> 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 85<sup>th</sup> percentile 24-hour runoff event.
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 85<sup>th</sup> 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 85<sup>th</sup> percentile hourly rainfall intensity multiplied by a factor of two.

**D. Post-Construction BMP Implementation.** All post-construction BMPs must be constructed, functional, and implemented prior to completion of Project construction, occupancy, and/or planned use, and maintained in perpetuity. The post construction BMPs must include those described in the SWMP Phase I and II, prepared on behalf the Applicants by Hunsacker and Associates – San Diego; and any subsequent approved version of the SWMPs submitted to the San Diego Water Board.

**E. Post-Construction BMP Maintenance.** The post construction BMPs must be designed, constructed, and maintained in accordance with the most recent California Storm Water Quality Association (CASQA) <sup>1</sup> guidance. The Applicants shall:

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 inspections of BMPs, at the beginning of the wet season no later than October 1 and the end of the wet season no later than April 1, for standing water, slope stability, sediment accumulation, trash and debris, and presence of burrows;
3. Regularly perform preventative maintenance of BMPs, including removal of accumulated trash and debris, as needed to ensure proper functioning of the BMPs;
4. Identify and promptly repair damage to BMPs; and

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<sup>1</sup> 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]

5. Maintain a log documenting all BMP inspections and maintenance activities. The log shall be made available to the San Diego Water Board upon request.

**V. PROJECT IMPACTS AND COMPENSATORY MITIGATION**

- A. **Project Impact Avoidance and Minimization.** The Project must avoid and minimize adverse impacts to waters of the United States and/or State to the maximum extent practicable.
- B. **Project Impacts and Compensatory Mitigation.** Unavoidable Project impacts to Horse Ranch Creek and its unnamed tributaries within the San Luis Rey Watershed must not exceed the type and magnitude of impacts described in the table below. At a minimum, compensatory mitigation required to offset unavoidable temporary and permanent Project impacts to waters of the United States and/or State must be achieved as described in the table below:

	Impacts (acres)	Impacts (linear ft.)	Mitigation for Impacts (acres)	Mitigation Ratio (area mitigated :area impacted)	Mitigation for Impacts (linear ft.)	Mitigation Ratio (linear feet mitigated :linear feet impacted)
<b>Permanent Impacts</b>						
Willow Scrub	1.17	100	2.34 acres of Establishment <sup>1</sup>	2:1	4,498 LF of Establishment	45:1 <sup>3</sup>
			1.17 acres of Re-Establishment <sup>2</sup>	1:1		
Streambed - Ephemeral	0.74	9,965	2.49 acres of Re-establishment <sup>2</sup>	3.36:1	2,217 LF of Re-establishment	0.22:1 <sup>3</sup>

1. Establishment of southern willow scrub/riparian forest habitat within the Project site.
2. Re-Establishment of riparian habitat within the Project site.
3. In addition to this mitigation, the Project also includes 3,350 LF un-vegetated infiltration channels which will compensate for the permanent impacts to ephemeral drainages A, B, and D.
4. All areas of temporary impacts must be restored to pre-project contours and re-vegetated with native species.

- C. **Compensatory Mitigation Plan Implementation.** The Applicants must fully and completely implement the Mitigation Plan; any deviations from, or revisions to, the Mitigation Plan must be pre-approved by the San Diego Water Board. A final version of the Mitigation Plan must be submitted to the San Diego Water Board prior to the start of construction and is subject to approval. 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.

- D. Performance Standards.** Compensatory mitigation required under this Certification shall be considered as achieved once it has met the ecological success performance standards contained in the Mitigation Plan to the satisfaction of the San Diego Water Board.
- E. Compensatory Mitigation Site Design.** The compensatory mitigation site(s) shall be designed, to the maximum extent practicable, to be self-sustaining once performance standards have been achieved. This includes minimization of active engineering features (e.g., pumps) and appropriate siting to ensure that natural hydrology and landscape context support long-term sustainability 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 area(s) 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 interspersions among plant zones and layers.
- F. Temporary Project Impact Areas.** The Applicants must restore all areas of temporary impacts and all other areas of temporary disturbance which could result in a discharge or a threatened discharge of pollutants to waters of the United States and/or State. Restoration must include grading of disturbed areas to pre-project contours and re-vegetation with native species. The Applicants must implement all necessary BMPs to control erosion and runoff from areas associated with the Project.
- G. Long Term Management and Maintenance.** The compensatory mitigation site(s), must be managed, protected, and maintained, in perpetuity, in conformance with the long term management plan and the final ecological success performance standards identified in the Mitigation Plan. The aquatic habitats, riparian areas, buffers and uplands that comprise the mitigation site(s) must be protected in perpetuity from land-use and maintenance activities that may threaten water quality or beneficial uses within the mitigation area(s) in a manner consistent with the following requirements:
1. Any maintenance activities on the mitigation site(s) that do not contribute to the success of the mitigation site(s) and enhancement of beneficial uses and ecological functions and services are prohibited;
  2. 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 compensatory mitigation project;

3. The Mitigation site(s) 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 site(s); and
  4. If at any time a catastrophic natural event (e.g., fire, flood) causes damage(s) to the mitigation site(s) or other deficiencies in the compensatory mitigation project, the Applicants must take prompt and appropriate action to repair the damage(s) including replanting the affected area(s) and address any other deficiencies. The San Diego Water Board may require additional monitoring by the Applicants to assess how the compensatory mitigation site(s) or project is responding to a catastrophic natural event.
- H. **Timing of Mitigation Site Construction.** The construction of proposed mitigation must be concurrent with project grading and completed no later than 9 months following the start of Project construction. Delays in implementing mitigation must be compensated for by an increased mitigation implementation of 10% of the cumulative compensatory mitigation for each month of delay.
- I. **Mitigation Site(s) Preservation Mechanism.** Within 60 days from the start of Project construction, the Applicants must provide the San Diego Water Board with a draft preservation mechanism (e.g. deed restriction, conservation easement, etc.) that will protect all mitigation areas and their buffers in perpetuity. **Within one year of the issuance of this Certification**, the Applicants must submit proof of a completed final preservation mechanism that will protect all mitigation areas and their buffers in perpetuity. The conservation easement, deed restriction, or other legal limitation on the mitigation properties must be adequate to demonstrate that the sites will be maintained without future development or encroachment on the sites which could otherwise reduce the functions and values of the sites for the variety of beneficial uses of waters of the of the United States and/ or State that it supports. The legal limitation must prohibit, without exception, 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 sites. 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.

## VI. MONITORING AND REPORTING REQUIREMENTS

- A. **Representative Monitoring.** Samples and measurements taken for the purpose of monitoring under this Certification shall be representative of the monitored activity.
- B. **Monitoring Reports.** Monitoring results shall be reported to the San Diego Water Board at the intervals specified in section VI of this Certification.

- C. Monitoring and Reporting Revisions.** The San Diego Water Board may make revisions to the monitoring program at any time during the term of this Certification and may reduce or increase the number of parameters to be monitored, locations monitored, the frequency of monitoring, or the number and size of samples collected.
- D. Records of Monitoring Information.** Records of monitoring information shall include:
- a. The date, exact place, and time of sampling or measurements;
  - b. The individual(s) who performed the sampling or measurements;
  - c. The date(s) analyses were performed;
  - d. The individual(s) who performed the analyses;
  - e. The analytical techniques or methods used; and
  - f. The results of such analyses.
- E. California Rapid Assessment Method.** California Rapid Assessment Method<sup>2</sup> (CRAM) monitoring must be performed to assess the current and potential ecological conditions (ecological integrity) of the impact site and proposed compensatory mitigation site(s). These conditions reflect the overall level of ecological function of an aquatic resource. Prior to initiating Project construction, the Applicants shall develop a monitoring plan to implement California Rapid Assessment Method (CRAM) monitoring. The Applicants must conduct a quantitative function-based assessment of the health of streambed habitat to establish pre-project baseline conditions, set CRAM success criteria, and assess the mitigation site(s) progress towards meeting the success criteria. CRAM monitoring must be conducted prior to the start of Project construction authorized under this Certification and annually following construction completion for a period of five (5) years. The annual CRAM monitoring results shall be submitted with the Annual Project Progress Report. An evaluation, interpretation, and tabulation of all CRAM assessment data shall be submitted with the final Project Annual Project Monitoring Report.
- F. Annual Project Monitoring Reports.** The Applicants must submit annual Project progress reports describing 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 include the following information:
1. The names, qualifications, and affiliations of the persons contributing to the report;

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<sup>2</sup> The most recent versions of the California Rapid Assessment Method (CRAM) for Wetlands and additional information regarding CRAM can be accessed at <http://www.cramwetlands.org/>

2. The status, progress, and anticipated schedule for completion of Project construction activities including the installation and operational status of best management practices project features for erosion and storm water quality treatment;
3. A description of Project construction delays encountered or anticipated that may affect the schedule for construction completion;
4. A description of each incident of noncompliance during the annual monitoring period and its cause, the period of the noncompliance including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance;
5. The results of the California Rapid Assessment Method (CRAM) monitoring required under section VI.E of this Certification.

H. **Final Project Completion Report.** The Applicants 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. BMP installation and operational status for the Project;
4. As-built drawings of the Project, 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](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; and

6. An evaluation, interpretation, and tabulation of all California Rapid Assessment Method (CRAM) assessment data collected throughout the term of Project construction in accordance with section VI.E of this Certification.

I. **Annual Compensatory Mitigation Monitoring Report.** The Applicants must submit compensatory mitigation monitoring reports, annually, by **March 1** of each year containing sufficient information to demonstrate how the compensatory mitigation project is progressing towards accomplishing its objectives and meeting its performance standards. Mitigation monitoring reports must be submitted annually for a period, of not less than five years, sufficient to demonstrate that the compensatory mitigation project

has accomplished its objectives and met ecological success performance standards contained in the Mitigation Plan. Following Project implementation the San Diego Water Board may reduce or waive compensatory mitigation monitoring requirements upon a determination that performance standards have been achieved. Conversely the San Diego Water Board may extend the monitoring period beyond five years upon a determination that the performance standards have not been met or the compensatory mitigation project is not on track to meet them.

The 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. An evaluation, interpretation, and tabulation of the parameters being monitored, including the results of the Mitigation Plan monitoring program, and all quantitative and qualitative data collected in the field;
3. A description of the mitigation site(s) with respect to:
  - a. Detritus cover;
  - b. General topographic complexity characteristics;
  - c. General upstream and downstream habitat and hydrologic connectivity; and
  - d. Source of hydrology;
4. Monitoring data interpretations and conclusions as to how the compensatory mitigation project(s) is progressing towards meeting performance standards and whether the performance standards have been met;
5. A description of the progress toward implementing a plan to manage the compensatory mitigation project after performance standards have been achieved to ensure the long term sustainability of the resource in perpetuity, including a discussion of long term financing mechanisms, the party responsible for long term management, and a timetable for future steps;
6. Qualitative and quantitative comparisons of current mitigation conditions with pre-construction conditions and previous mitigation monitoring results;
7. Stream photo documentation, including all mitigation sites, prior to and after mitigation 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](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;

8. A qualitative comparison to adjacent preserved streambed areas;
  9. As-built drawings of the compensatory mitigation project site(s), no bigger than 11"X17"; and
  10. A survey report documenting boundaries of the compensatory mitigation site(s).
- J. **Reporting Authority.** The submittal of information required under this Certification, or in response to a suspected violation of any condition of this Certification, is required pursuant to Water Code section 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 13385.
- K. **Electronic and Paper Media Documents.** The Applicants must submit all reports and information required under this Certification in both hardcopy (paper) 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. All paper and electronic documents submitted to the San Diego Water Board must include the following identification numbers in the header or subject line: Certification No. 12C-048;PIN 782211.
- L. **Document Signatory Requirements.** All applications, reports, or information submitted to the San Diego Water Board must be signed 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.

- M. Document Certification Requirements.** All applications, reports, or information submitted to the San Diego Water Board must be 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."*

- N. Document Submittal Address.** The Applicants 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 No. 12C-048: PIN 782211  
2375 Northside Drive, Suite 100  
San Diego, California 92108

## VII. NOTIFICATION REQUIREMENTS

- A. Twenty Four Hour Non-Compliance Reporting.** The Applicants 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 Applicants becomes aware of the circumstances. A written submission shall also be provided within five days of the time the Applicants 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. Hazardous Substance Discharge.** Except for a discharge which is in compliance with this Certification, any person who, without regard to intent or negligence, causes or permits any hazardous substance or sewage to be discharged in or on any waters of the State, shall as soon as (a) that person has knowledge of the discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other emergency measures, immediately notify the County of San Diego, in accordance with California Health and Safety Code section 5411.5 and the California Office of Emergency Services of the discharge in accordance with the spill reporting provision of the State toxic disaster contingency plan adopted pursuant to

Government Code Title 2, Division 1, Chapter 7, Article 3.7 (commencing with section 8574.17), and immediately notify the State Water Board or the San Diego Water Board of the discharge. This provision does not require reporting of any discharge of less than a reportable quantity as provided for under subdivisions (f) and (g) of section 13271 of the Water Code unless the Applicants are in violation of a Basin Plan prohibition.

- C. **Oil or Petroleum Product Discharge.** Except for a discharge which is in compliance with this Certification, any person who without regard to intent or negligence, causes or permits any oil or petroleum product to be discharged in or on any waters of the State, or discharged or deposited where it is, or probably will be, discharged in or on any waters of the State, shall, as soon as (a) such person has knowledge of the discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other emergency measures, immediately notify the California Office of Emergency Services of the discharge in accordance with the spill reporting provision of the State oil spill contingency plan adopted pursuant to Government Code Title 2, Division 1, Chapter 7, Article 3.7 (commencing with section 8574.1). This requirement does not require reporting of any discharge of less than 42 gallons unless the discharge is also required to be reported pursuant to Clean Water Act section 311, or the discharge is in violation of a Basin Plan prohibition.
- D. **Anticipated Noncompliance.** The Applicants shall give advance notice to the San Diego Water Board of any planned changes in the Project or the Compensatory Mitigation project which may result in noncompliance with Certification conditions or requirements.
- E. **Transfers.** 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 Applicants 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 Applicants have 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.**
  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 Applicants 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 Applicants 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 Applicants 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 Applicants will be interpreted to refer to the transferee as appropriate. Transfer of responsibility does not necessarily relieve the Applicants of this Certification in the event that a transferee fails to comply.

- F. **Discharge Commencement.** The Applicants must notify the San Diego Water Board in writing **at least 5 days prior** to the start of Project construction.

## VIII. CALIFORNIA ENVIRONMENTAL QUALITY ACT COMPLIANCE

- A. The County of San Diego is the Lead Agency under the California Environmental Quality Act (CEQA) (Public Resources Code section 21000, et seq.) section 21067, and CEQA Guidelines (California Code of Regulations, title 14, section 15000 et seq.) section 15367, and has filed a Notice of Determination dated May 17, 2011, for the Final Environmental Impact Report (FEIR) titled *Final Subsequent Environmental Impact Report, Project EIR Campus Park Project* (State Clearing House Number 2005011092). The Lead Agency 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 is a Responsible Agency under CEQA (Public Resources Code section 21069; CEQA Guidelines section 15381). The San Diego Water Board has considered the Lead Agency's FEIR and finds that the Project as proposed will have a significant effect on resources within the San Diego Water Board's purview.
- C. The San Diego Water Board has required mitigation measures as a condition of this Certification to avoid or reduce the environmental effects of the Project to resources within the Board's purview to a less than significant level.
- D. The Lead Agency has adopted a mitigation monitoring and reporting program pursuant to Public Resources Code section 21081.6 and CEQA Guidelines section 15097 to ensure that mitigation measures and revisions to the Project identified in the FEIR are implemented. The Mitigation Monitoring and Reporting Program (MMRP) is included and incorporated by reference in Attachment 5 to this Certification. The Applicants shall

implement the Lead Agency's MMRP described in the FEIR, as it pertains to resources within the San Diego Water Board's purview. The San Diego Water Board has imposed additional MMRP requirements as specified in section VI of this Certification.

- E. As a Responsible Agency under CEQA, the San Diego Water Board will file a Notice of Determination in accordance with CEQA Guidelines section 15096 subdivision (i).

## IX. SAN DIEGO WATER BOARD CONTACT PERSON

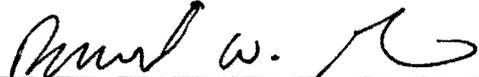
Alan Monji  
California Regional Water Quality Control Board, San Diego Region  
2375 Northside Drive, Suite 100  
San Diego, California 92108  
Telephone: 619-521-3968  
Email: [alan.monji@waterboards.ca.gov](mailto:alan.monji@waterboards.ca.gov)

## X. WATER QUALITY CERTIFICATION

I hereby certify that the proposed discharge from the **Campus Park Project** (Certification No. 12C-048) 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 (b) compliance with all applicable requirements of the Basin Plan.

I, David W. Gibson, Executive Officer, do hereby certify the forgoing is a full, true, and correct copy of Certification No. 12C-048 issued on January 17, 2014.

  
\_\_\_\_\_  
DAVID W. GIBSON  
Executive Officer  
San Diego Water Board

1/16/2014  
Date

## ATTACHMENT 1 DEFINITIONS

**Activity** - when used in reference to a permit means any action, undertaking, or project including, but not limited to, construction, operation, maintenance, repair, modification, and restoration which may result in any discharge to waters of the state.

**Buffer** - means an upland, wetland, and/or riparian area that protects and/or enhances aquatic resource functions associated with wetlands, rivers, streams, lakes, marine, and estuarine systems from disturbances associated with adjacent land uses.

**California Rapid Assessment Method (CRAM)** - is a wetland assessment method intended to provide a rapid, scientifically-defensible and repeatable assessment methodology to monitor status and trends in the conditions of wetlands for applications throughout the state. It can also be used to assess the performance of compensatory mitigation projects and restoration projects. CRAM provides an assessment of overall ecological condition in terms of four attributes: landscape context and buffer, hydrology, physical structure and biotic structure. CRAM also includes an assessment of key stressors that may be affecting wetland condition and a "field to PC" data management tool (eCRAM) to ensure consistency and quality of data produced with the method.

**Compensatory Mitigation Project** - means compensatory mitigation implemented by the Applicant as a requirement of this Certification (i.e., applicant -responsible mitigation), or by a mitigation bank or an in-lieu fee program.

**Discharge of dredged material** – means any addition of dredged material into, including redeposit of dredged material other than incidental fallback within, the waters of the United States and/or State.

**Discharge of fill material** – means the addition of fill material into waters of the United States and/or State.

**Dredged material** – means material that is excavated or dredged from waters of the United States and/or State.

**Ecological Success Performance Standards** – means observable or measurable physical (including hydrological), chemical, and/or biological attributes that are used to determine if a compensatory mitigation project meets its objectives.

**Enhancement** – means the manipulation of the physical, chemical, or biological characteristics of an aquatic resource to improve a specific aquatic resource function(s). Enhancement results in the gain of selected aquatic resource function(s), but may also lead to a decline in other aquatic resource function(s). Enhancement does not result in a gain in aquatic resource area.

**Establishment** – means the manipulation of the physical, chemical, or biological characteristics present to develop an aquatic resource that did not previously exist. Creation results in a gain in aquatic resource area.

**Fill material** – means any material used for the primary purpose of replacing an aquatic area with dry land or of changing the bottom elevation of a water body.

**Isolated wetland** – means a wetland with no surface water connection to other aquatic resources.

**Mitigation Bank** – means a site, or suite of sites, where resources (e.g., wetlands, streams, riparian areas) are restored, established, enhanced, and/or preserved for the purpose of providing mitigation for impacts authorized by this Certification.

**Preservation** - means the removal of a threat to, or preventing the decline of, aquatic resources by an action in or near those aquatic resources. This term includes activities commonly associated with the protection and maintenance of aquatic resources through the implementation of appropriate legal and physical mechanisms. Preservation does not result in a gain of aquatic resource area or functions.

**Re-establishment** - means the manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/ historic functions to a former aquatic resource. Re-establishment results in rebuilding a former aquatic resource and results in a gain in aquatic resource area and functions.

**Rehabilitation** - means the manipulation of the physical, chemical, or biological characteristics of a site with the goal of repairing natural/ historic functions to a degraded aquatic resource. Rehabilitation results in a gain in aquatic resource function, but does not result in a gain in aquatic resource area.

**Restoration** - means the manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/historic functions to a former or degraded aquatic resource. For the purpose of tracking net gains in aquatic resource area, restoration is divided into two categories: re-establishment and rehabilitation.

**Start of Project Construction** - For the purpose of this Certification, "start of Project construction" means to engage in a program of on-site construction, including site clearing, grading, dredging, landfilling, changing equipment, substituting equipment, or even moving the location of equipment specifically designed for a stationary source in preparation for the fabrication, erection or installation of the building components of the stationary source within waters of the United States and/or State.

**Uplands** - means non-wetland areas that lack any field-based indicators of wetlands or other aquatic conditions. Uplands are generally well-drained and occur above (i.e., up-slope) from nearby aquatic areas. Wetlands can, however, be entirely surrounded by uplands. For example, some natural seeps and constructed stock ponds lack aboveground hydrological connection to other aquatic areas. In the watershed context, uplands comprise the landscape

matrix in which aquatic areas form. They are the primary sources of sediment, surface runoff, and associated chemicals that are deposited in aquatic areas or transported through them.

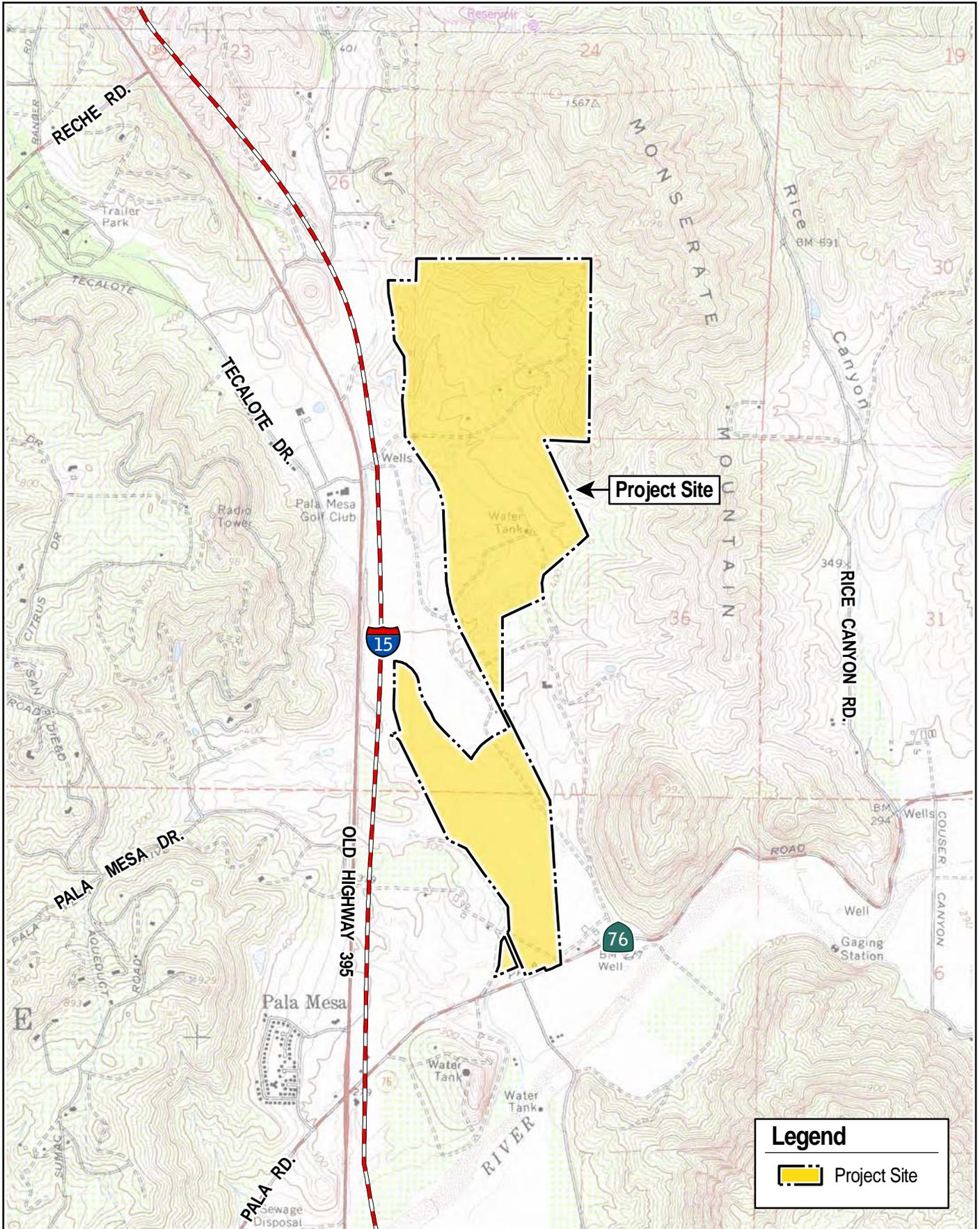
**Water quality objectives and other appropriate requirements of state law** – means the water quality objectives and beneficial uses as specified in the appropriate water quality control plan(s); the applicable provisions of sections 301, 302, 303, 306, and 307 of the Clean Water Act; and any other appropriate requirement of state law.

Passerelle LLC and.D.R. Horton - 1 -  
Campus Park  
Certification No. 12C-048

**ATTACHMENT 2**

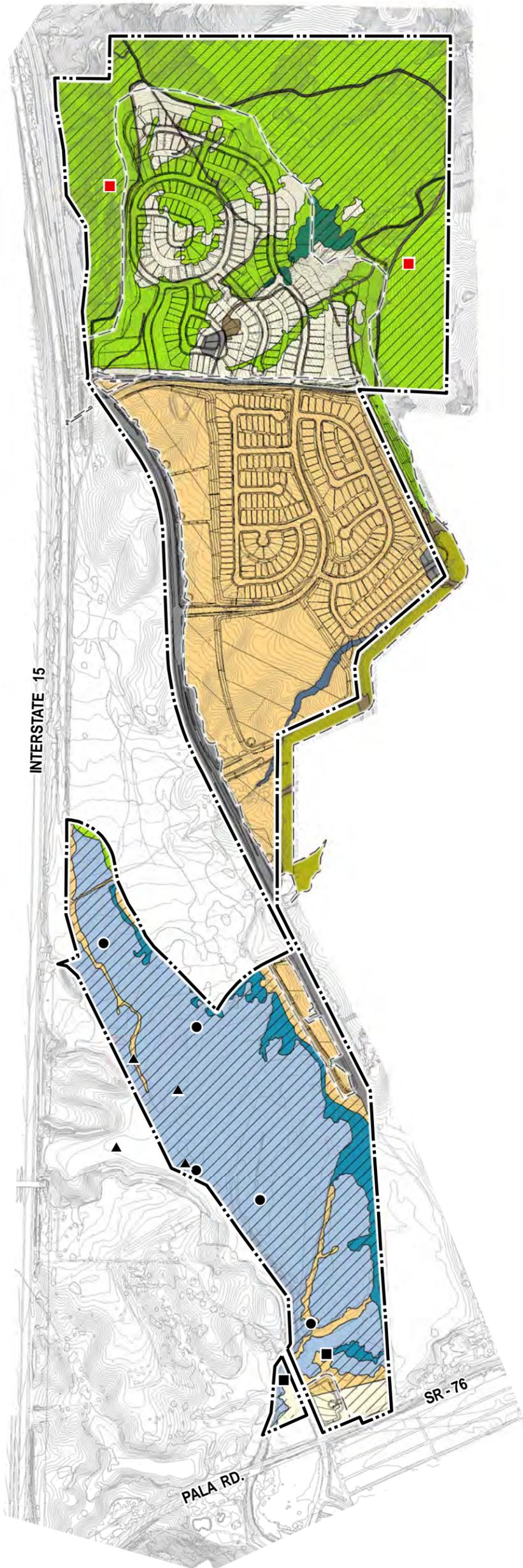
**LOCATION MAP**





Passerelle LLC and.D.R. Horton - 1 -  
Campus Park  
Certification No. 12C-048

**ATTACHMENT 3**  
**PROJECT SITE PLANS**



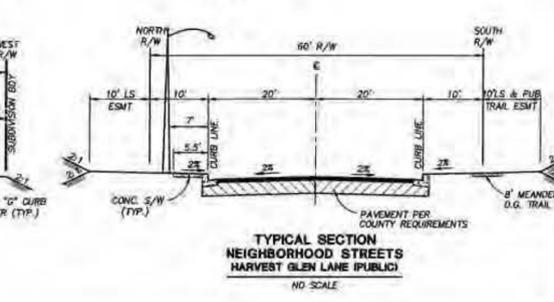
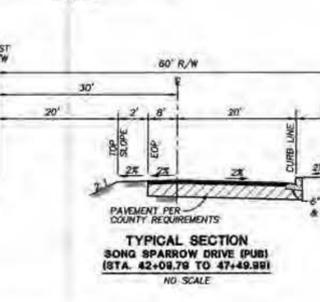
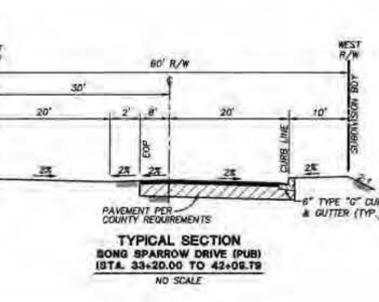
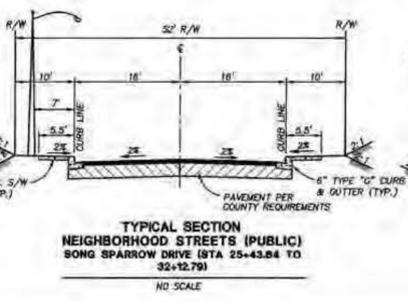
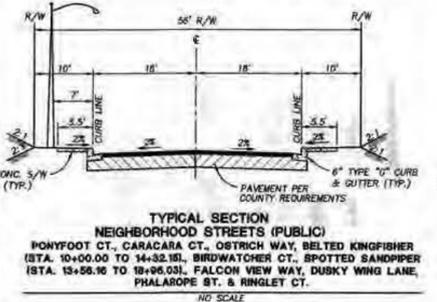
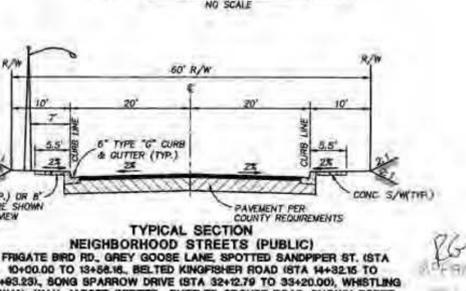
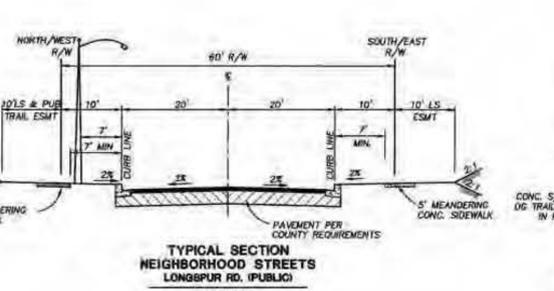
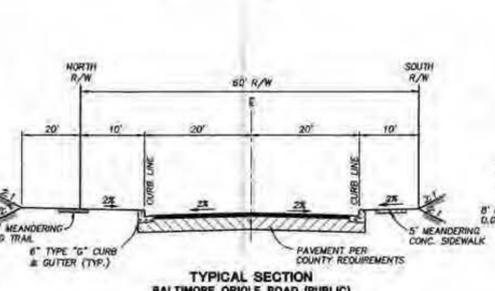
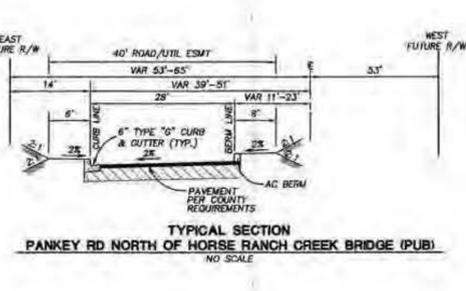
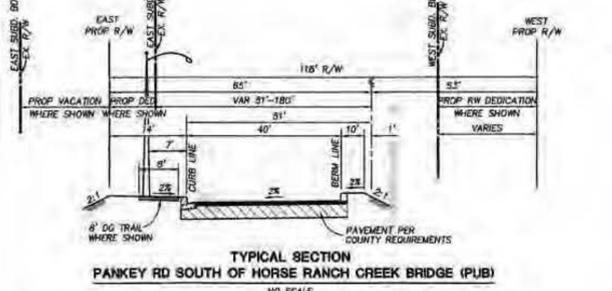
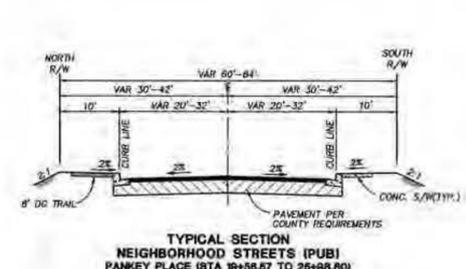
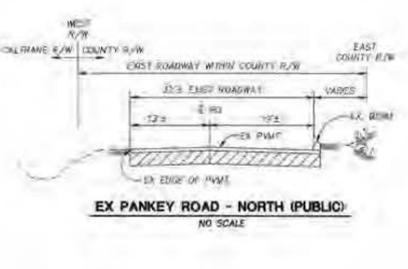
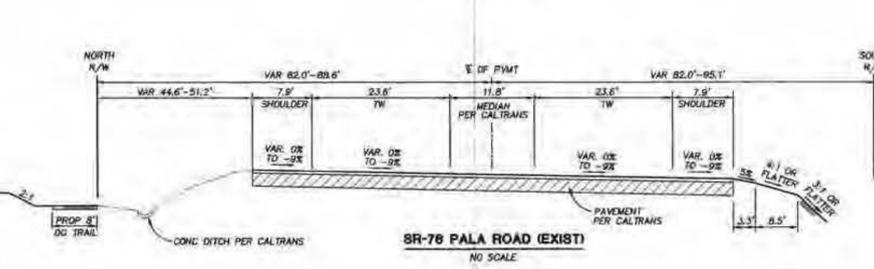
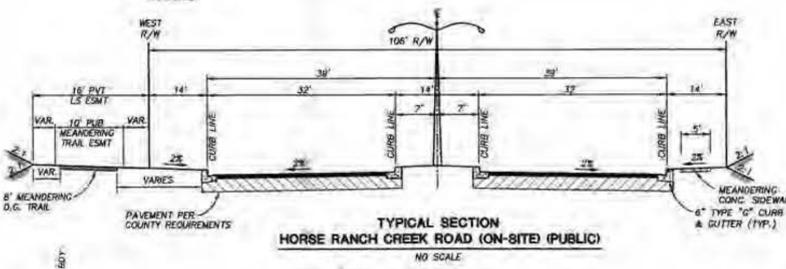
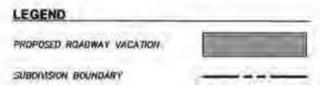
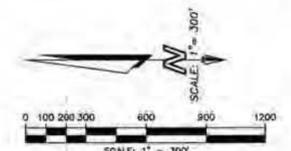
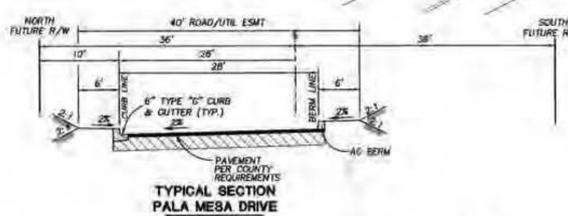
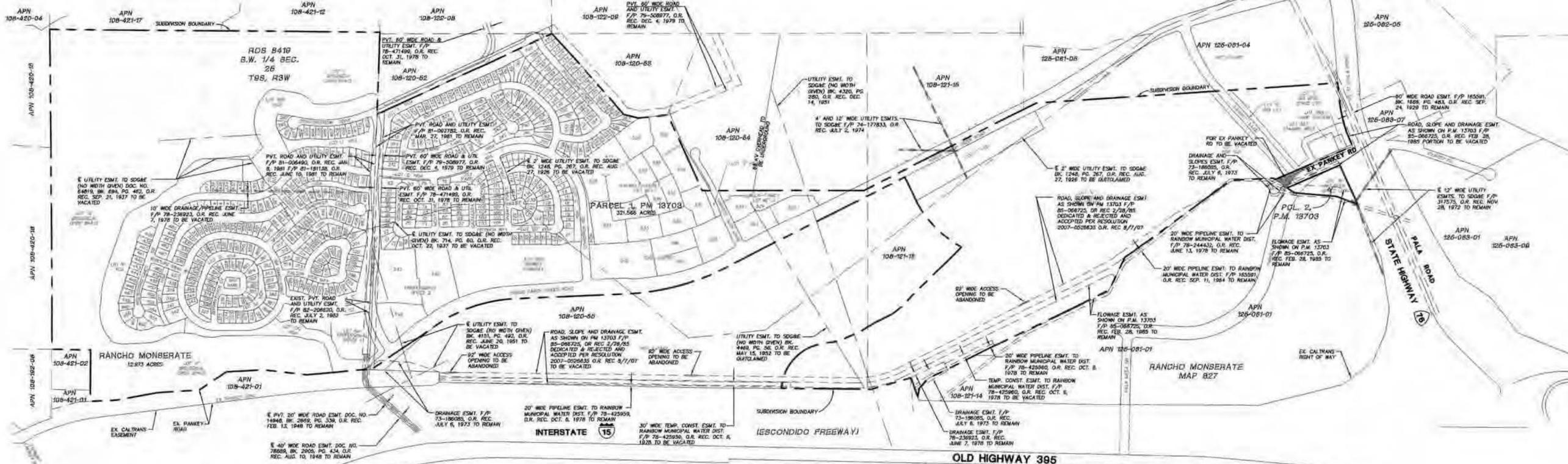
**Legend**

- Project Boundary
- Site Plan
- Development Footprint
- Biological Open Space

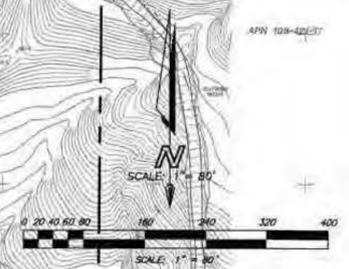
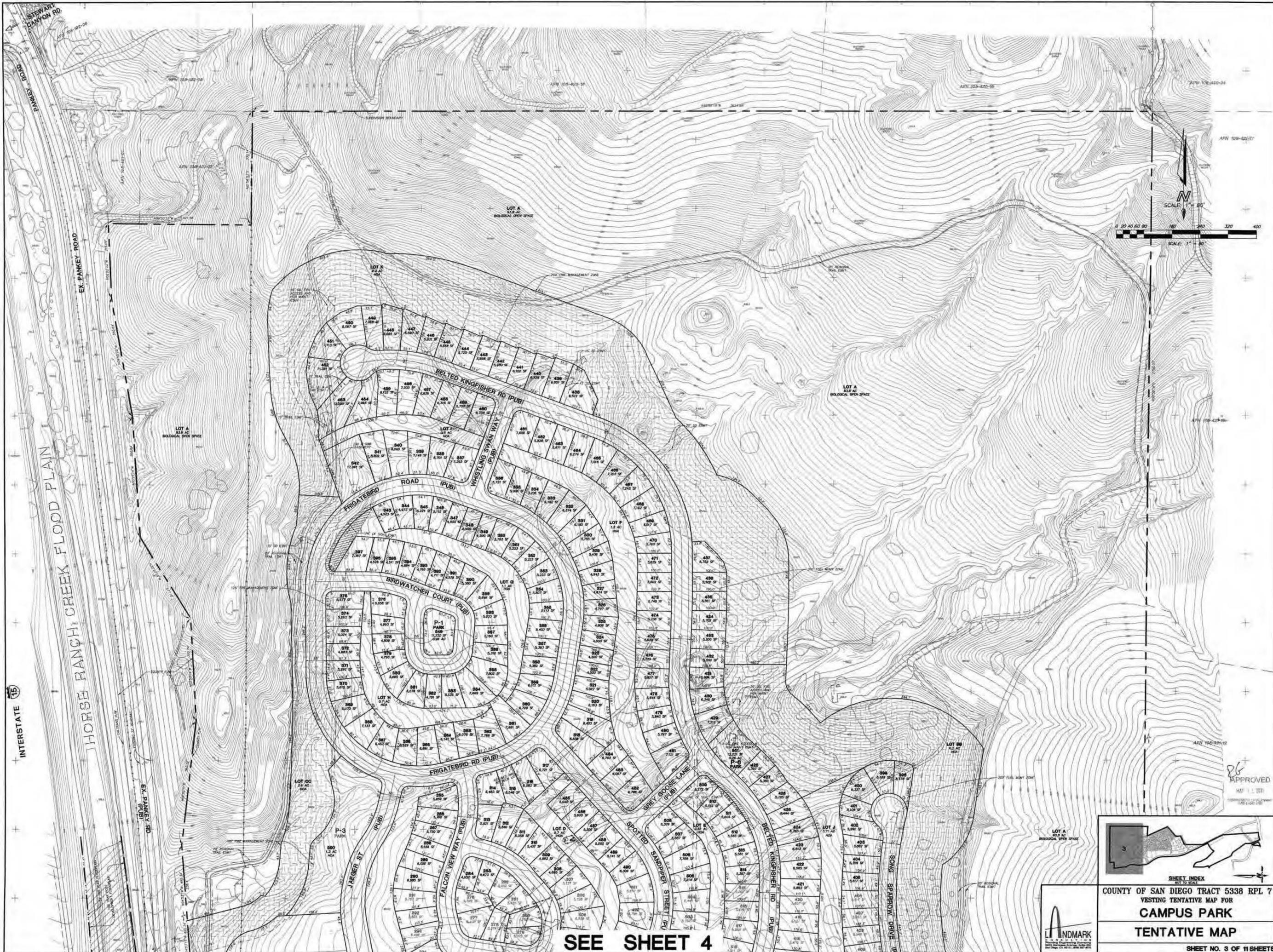
**Biological Resources**

- California Gnatcatcher
- Least Bell's Vireo
- Yellow Breasted Chat
- Yellow Warbler
- Agriculture / Orchard
- Coast Live Oak Woodland
- Developed
- Diegan Coastal Sage Scrub
- Disturbed
- Eucalyptus Woodland
- Freshwater Marsh
- Non-Native Grassland
- Pasture
- Southern Riparian Forest
- Southern Willow Scrub





COUNTY OF SAN DIEGO TRACT 5338 RPL 7  
 VESTING TENTATIVE MAP FOR  
**CAMPUS PARK**  
**EXISTING EASEMENTS**  
 SHEET NO. 2 OF 11 SHEETS



INTERSTATE 15

HORSE RANCH CREEK FLOOD PLAIN

SEE SHEET 4



COUNTY OF SAN DIEGO TRACT 5338 RPL 7  
 VESTING TENTATIVE MAP FOR  
**CAMPUS PARK**  
 TENTATIVE MAP



APPROVED  
 MAY 11 2011  
 COUNTY OF SAN DIEGO REGISTERED PROFESSIONAL ENGINEER

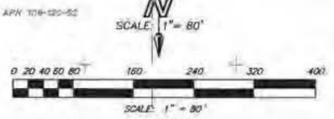
SEE SHEET 3

NOT A PART

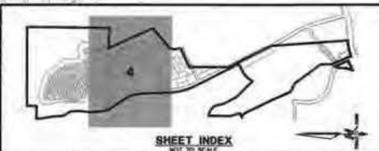
NOT A PART

NOT A PART

SEE SHEET 5



SEE LETTERS OF PERMISSION TO GRADE FROM DATE



COUNTY OF SAN DIEGO TRACT 5338 RPL 7  
 VESTING TENTATIVE MAP FOR  
**CAMPUS PARK**  
 TENTATIVE MAP

SHEET NO. 4 OF 11 SHEETS



APPROVED  
 MAY 1, 2011  
 APN 101-120-09



INTERSTATE 15

HORSE RANCH CREEK FLOOD PLAIN

PALA MESA HEIGHTS ROAD (EXISTING)

SEE SHEET 4

PROPOSED MEADOWOOD TM 5354

INTERSTATE 15

NOT A PART

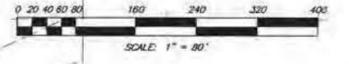
NOT A PART

NOT A PART

SEE SHEET 6



SCALE: 1" = 80'



SCALE: 1" = 80'

PROPOSED MEADOWOOD TM 5354

APPROVED  
MAY 11 2011  
DEPARTMENT OF PLANNING AND LAND USE



SHEET INDEX  
NOT TO SCALE

COUNTY OF SAN DIEGO TRACT 5338 RPL 7  
VESTING TENTATIVE MAP FOR  
**CAMPUS PARK**  
TENTATIVE MAP



SHEET NO. 5 OF 11 SHEETS



SEE SHEET 6

NOT A PART

NOT A PART

NOT A PART



CAMPUS PARK WEST TM 5424

CAMPUS PARK WEST TM 5424

NOT A PART

PROPOSED MEADOWWOOD TM 5354

PROPOSED MEADOWWOOD TM 5354

RANCHO MONSERATE MAP 827

NOT A PART

NOT A PART

NOT A PART

NOT A PART

CAMPUS PARK TM 5424

MEADOWWOOD TM 5354

SR 76 (PALA ROAD)

SR 76 (PALA ROAD)

CAMPUS PARK WEST TM 5424



COUNTY OF SAN DIEGO TRACT 5338 RPL 7  
 VESTING TENTATIVE MAP FOR  
**CAMPUS PARK**  
 TENTATIVE MAP





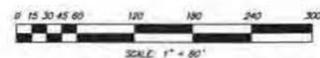
**NO IMPACT**

SEE LETTER OF PERMISSION TO GRAB FROM \_\_\_\_\_

NOTE: INTERSECTION TO BE SIGNALIZED

SEE LETTER OF PERMISSION TO GRAB FROM \_\_\_\_\_

NOTE: ADDITIONAL RIGHT OF WAY WILL BE REQUIRED.



APPROVED  
MAY 1, 2011

COUNTY OF SAN DIEGO TRACT 5338 RPL 7  
VESTING TENTATIVE MAP FOR

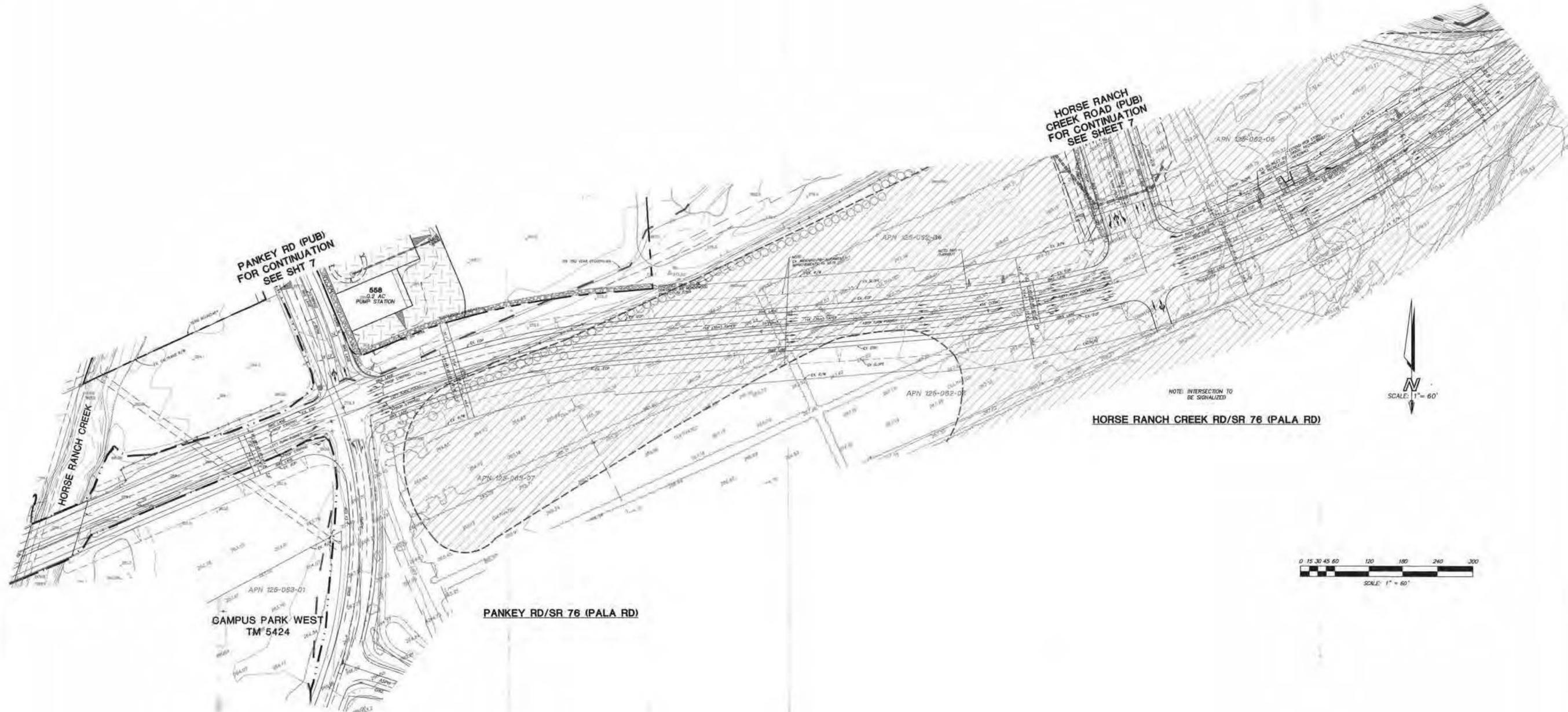
**CAMPUS PARK**

TENTATIVE MAP  
OFFSITE INTERSECTION IMPROVEMENTS

SHEET NO. 8 OF 11 SHEETS



PALA MESA DR/OLD HWY 395



PANKEY RD (PUB)  
FOR CONTINUATION  
SEE SHT 7

HORSE RANCH  
CREEK ROAD (PUB)  
FOR CONTINUATION  
SEE SHEET 7

NOTE: INTERSECTION TO  
BE SIGNALIZED

HORSE RANCH CREEK RD/SR 76 (PALA RD)

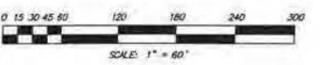
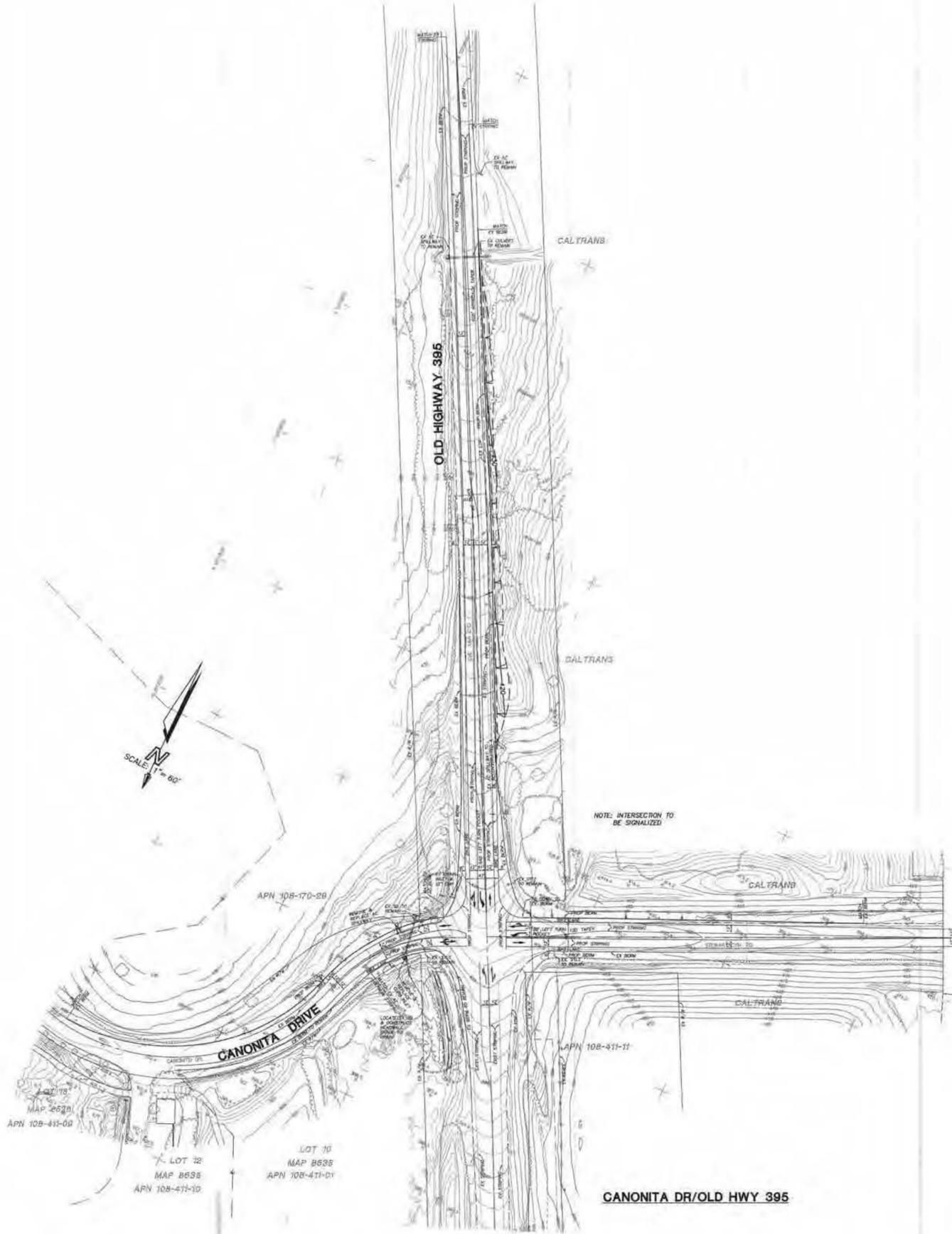


CAMPUS PARK WEST  
TM 5424

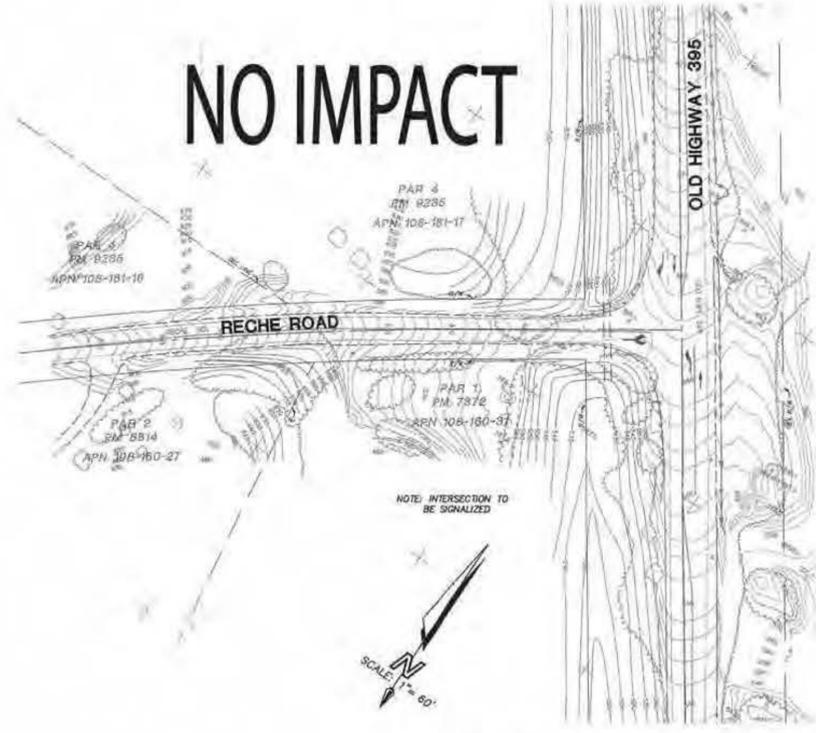
PANKEY RD/SR 76 (PALA RD)

APPROVED  
MAY 1 2011

	COUNTY OF SAN DIEGO TRACT 5338 RPL 7 VESTING TENTATIVE MAP FOR
	<b>CAMPUS PARK</b>
	<b>TENTATIVE MAP</b> OFFSITE INTERSECTION IMPROVEMENTS
	SHEET NO. 9 OF 11 SHEETS



CANONITA DR/OLD HWY 395



RECHE RD/OLD HWY 395



INTERSTATE 15

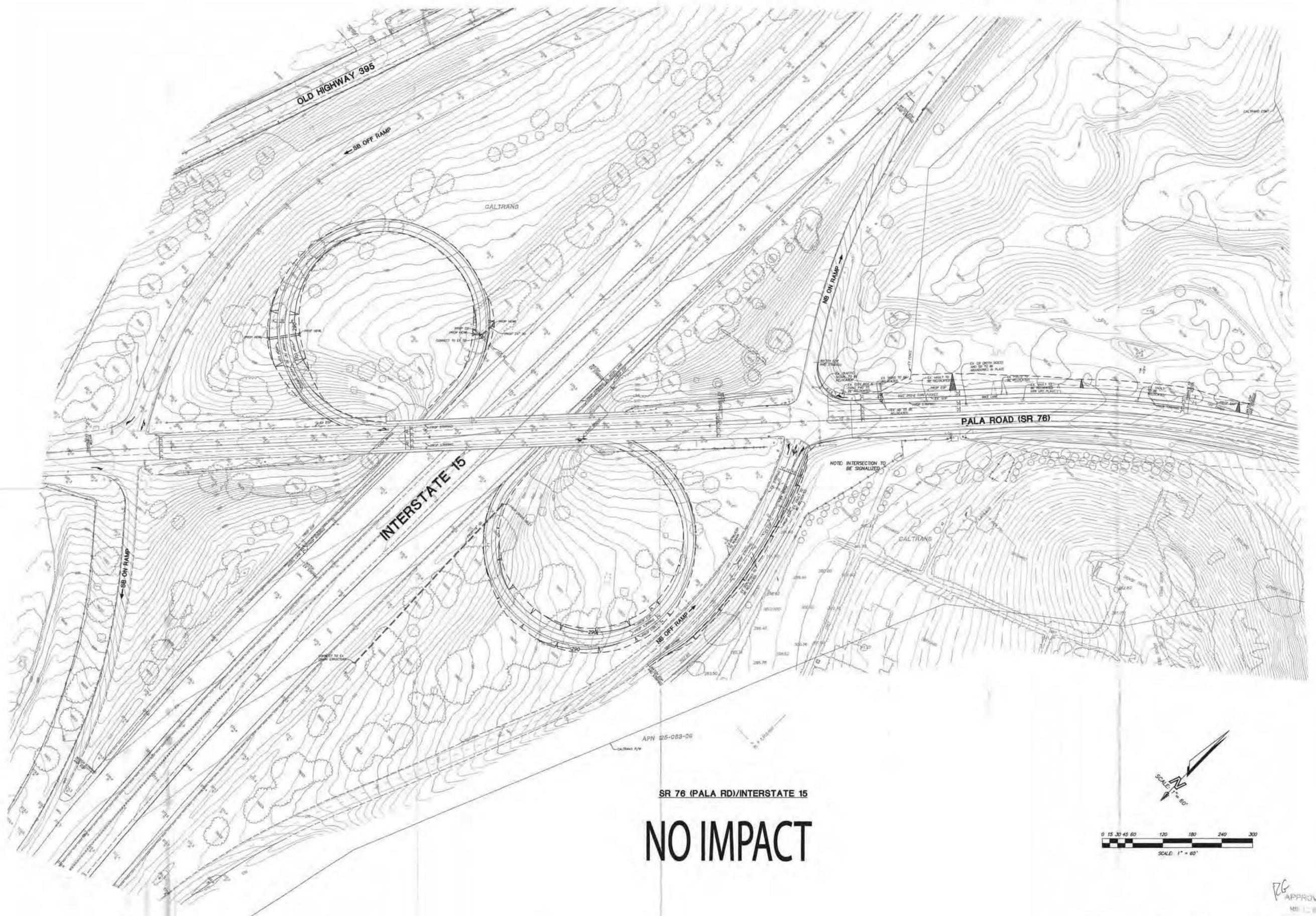
STEWART CYN RD/PANKEY RD

NO IMPACT

NO IMPACT

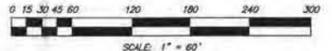
APPROVED  
MAY 1, 2011

	COUNTY OF SAN DIEGO TRACT 5338 RPL 7 VESTING TENTATIVE MAP FOR <b>CAMPUS PARK</b>
	<b>TENTATIVE MAP</b> OFFSITE INTERSECTION IMPROVEMENTS
	SHEET NO. 10 OF 11 SHEETS

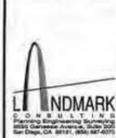


SR 76 (PALA RD)/INTERSTATE 15

**NO IMPACT**



APPROVED  
MAY 1, 2011



COUNTY OF SAN DIEGO TRACT 5338 RPL 7  
VESTING TENTATIVE MAP FOR  
**CAMPUS PARK**  
TENTATIVE MAP  
OFFSITE INTERSECTION IMPROVEMENTS  
SHEET NO. 11 OF 11 SHEETS

**ATTACHMENT 4**  
**MITIGATION DESIGN PLANS**



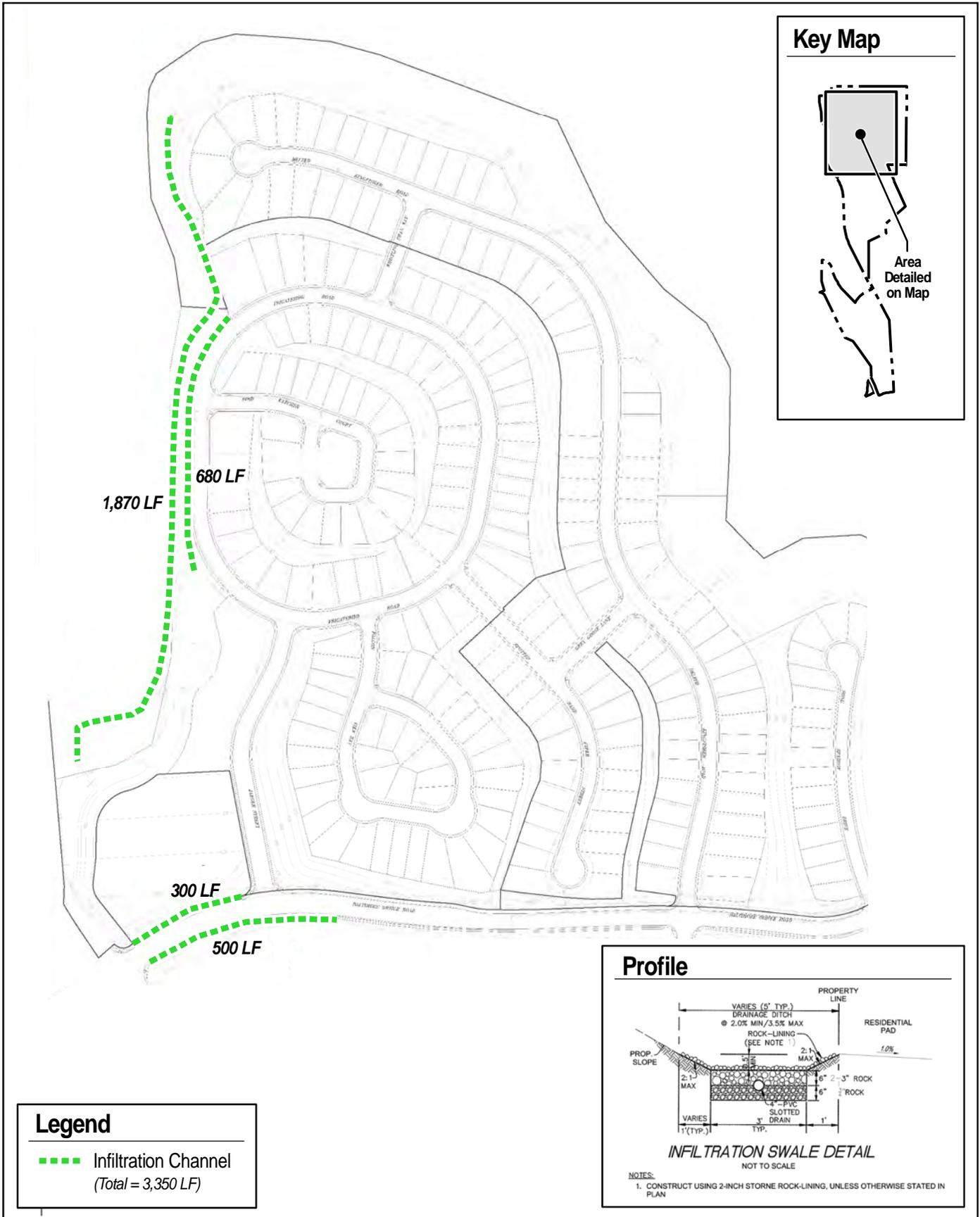
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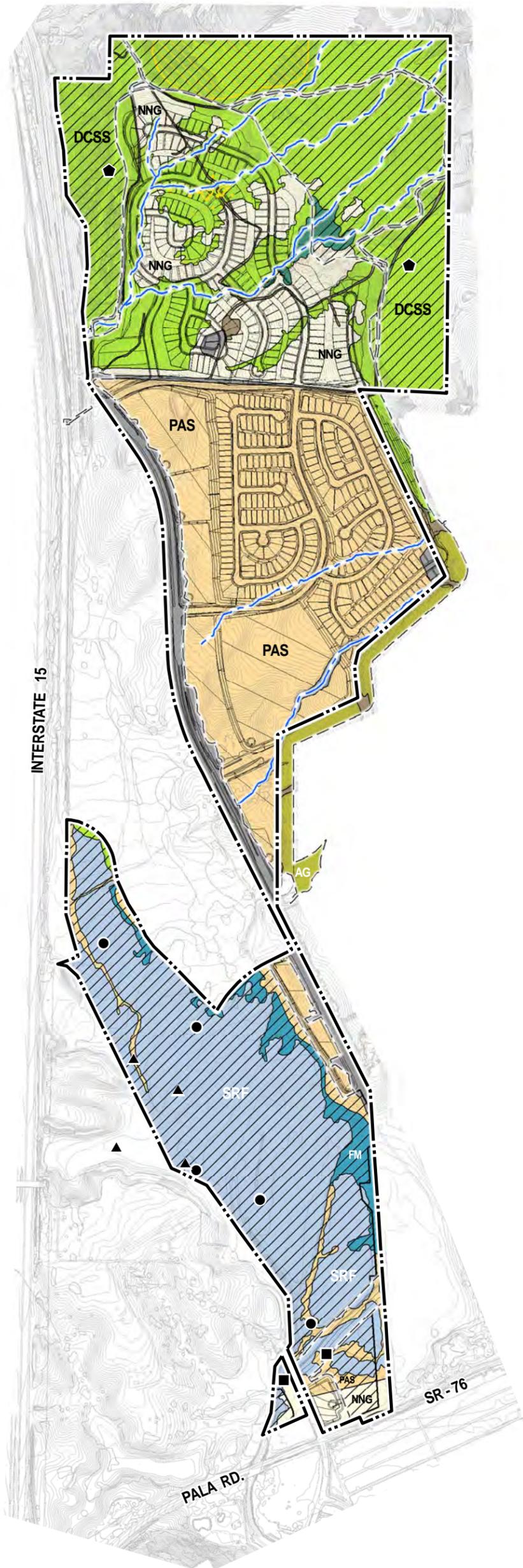
- Project Boundary
- ▨ Project Impacts\*
- ▧ Fuel Modification\*\*
- Irrigation Culvert

**Jurisdictional Areas**

- ACOE Wetland
- ACOE Irrigated Wetland Waters
- ACOE Non-Wetland Waters
- CDFG Jurisdiction

\* Includes on and off-site grading, fuel modification and OSE trail impacts.  
 \*\* Approximate Limits.



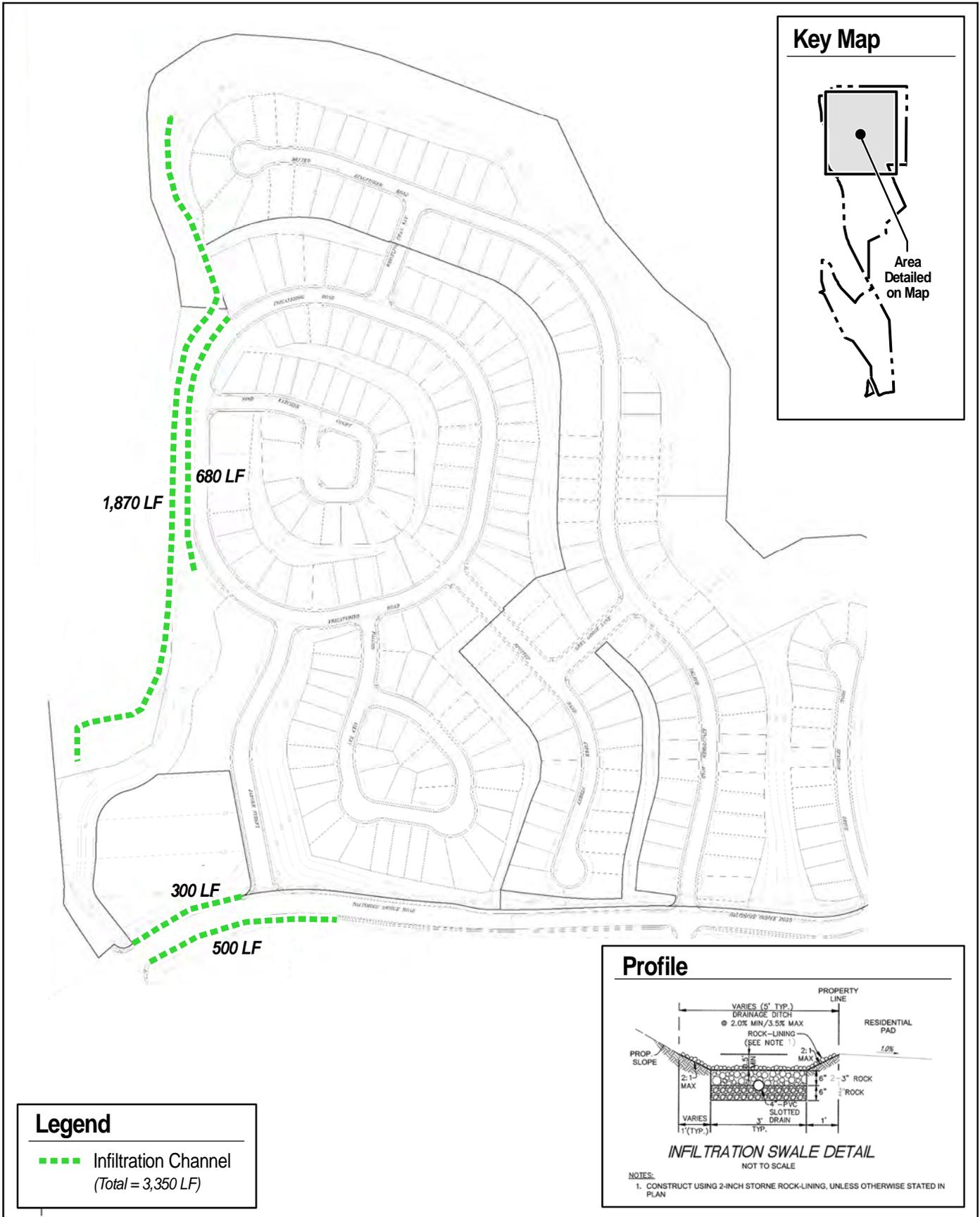


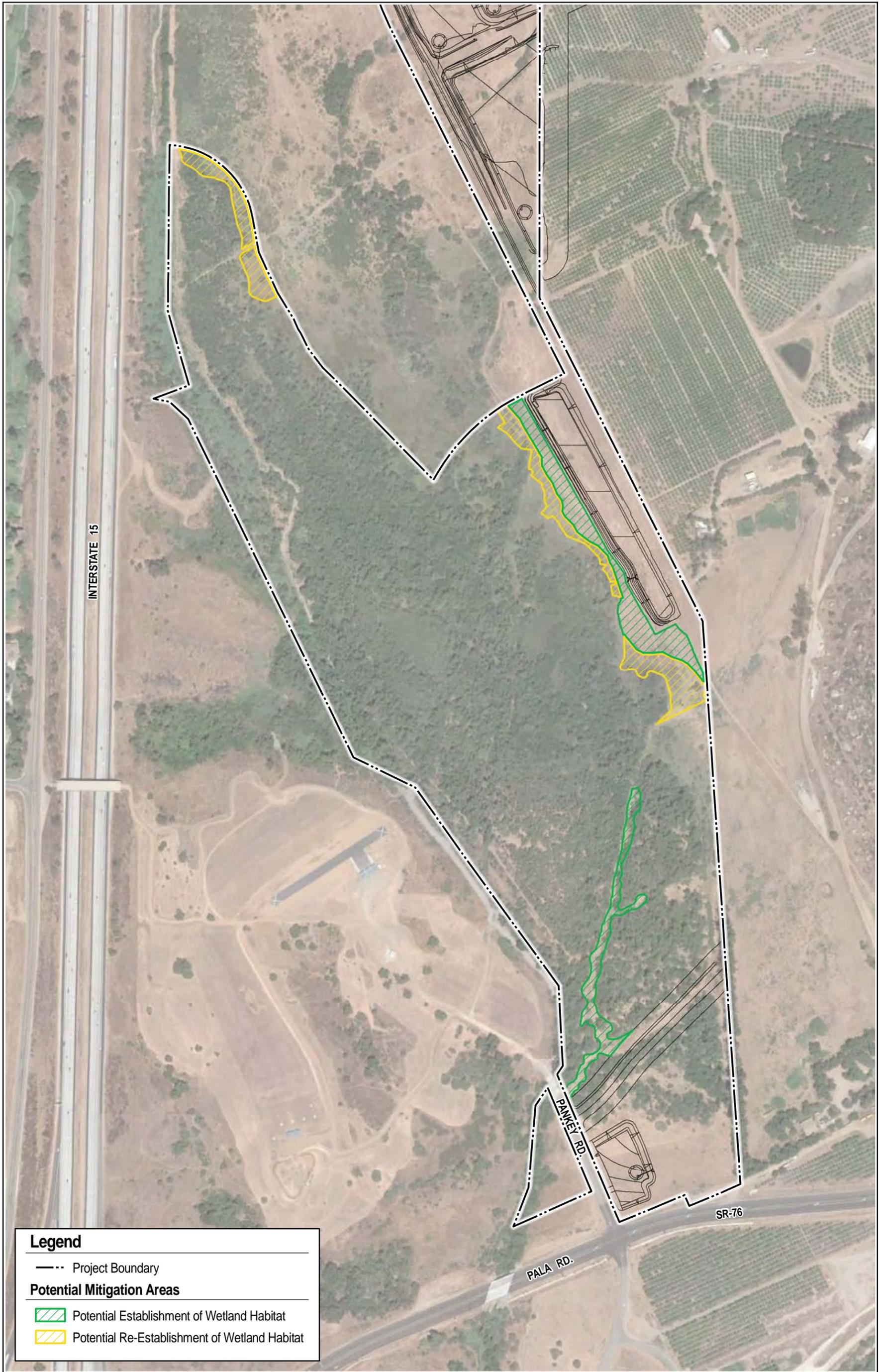
**Legend**

- Project Boundary
- Proposed Site Plan
- Jurisdictional Drainage
- Proposed Project Impacts
- ▨ Biological Open Space Easement

**Biological Resources**

- ◆ California gnatcatcher (*Poliotila californica*)
- Least Bell's Vireo (*Vireo bellii pusillus*)
- ▲ Yellow Breasted Chat (*Icteria virens*)
- Yellow Warbler (*Dendroica petechia*)
- ▨ Parry's Tetracoccus (*Tetracoccus dioicus*)
- AG Agriculture / Orchard
- CLOW Coast Live Oak Woodland
- DEV Developed
- DCSS Diegan Coastal Sage Scrub
- DIS Disturbed
- EW Eucalyptus Woodland
- FM Freshwater Marsh
- NNG Non-Native Grassland
- PAS Pasture
- SRF Southern Riparian Forest
- SWS Southern Willow Scrub





**Legend**

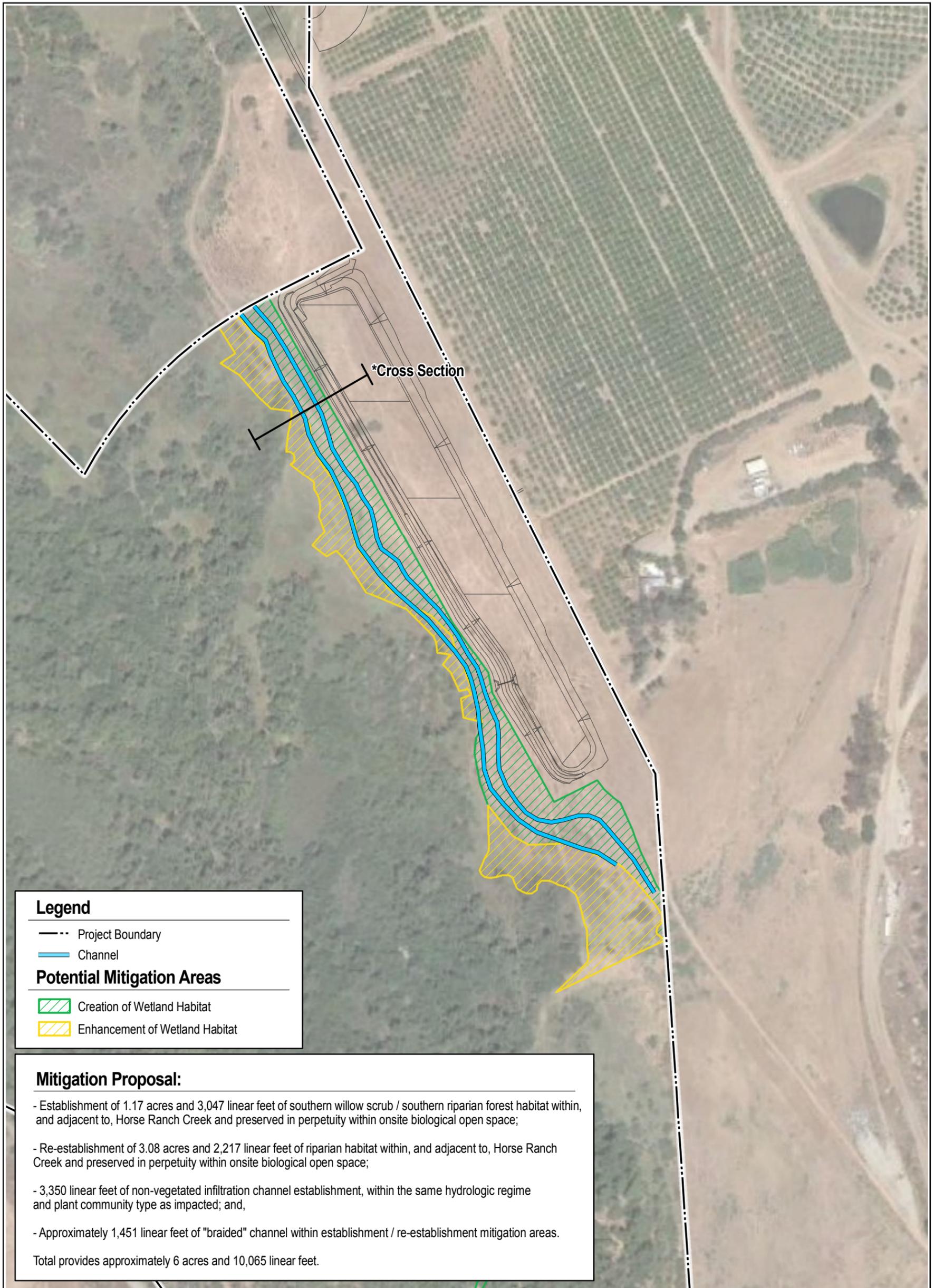
--- Project Boundary

**Potential Mitigation Areas**

Potential Establishment of Wetland Habitat

Potential Re-Establishment of Wetland Habitat

## Approximate Cross Section\*



**Legend**

- Project Boundary
- Channel

**Potential Mitigation Areas**

- Creation of Wetland Habitat
- Enhancement of Wetland Habitat

**Mitigation Proposal:**

- Establishment of 1.17 acres and 3,047 linear feet of southern willow scrub / southern riparian forest habitat within, and adjacent to, Horse Ranch Creek and preserved in perpetuity within onsite biological open space;
- Re-establishment of 3.08 acres and 2,217 linear feet of riparian habitat within, and adjacent to, Horse Ranch Creek and preserved in perpetuity within onsite biological open space;
- 3,350 linear feet of non-vegetated infiltration channel establishment, within the same hydrologic regime and plant community type as impacted; and,
- Approximately 1,451 linear feet of "braided" channel within establishment / re-establishment mitigation areas.

Total provides approximately 6 acres and 10,065 linear feet.

**ATTACHMENT 5**

**MITIGATION MONITORING AND REPORTING PROGRAM**

**Table 3.3-4  
SUMMARY OF REQUIRED MITIGATION FOR DIRECT IMPACTS ASSOCIATED WITH THE PROPOSED PROJECT**

Vegetation Community/Habitat	Existing (Acres)	On-site Impacts (Acres)	On-site Open Space (Acres)	Off-site Direct Impacts*	Mitigation Ratio	Mitigation Required (Acres)	Acreage Mitigated On Site	Excess Habitat Remaining On Site After Mitigation	Acreage Mitigated Off Site
Southern riparian forest	85.6	1.4	84.2	0.7	3:1**	6.3	6.3 (2.1 creation and 4.2 enhancement <sup>†</sup> )	88.8	0
Southern willow scrub	1.6	1.6	0	0.8††	3:1**	7.2	7.2 (2.4 creation and 4.8 enhancement <sup>†</sup> )	0	0
Freshwater marsh	10.3	0.01	10.29	0.1††	3:1**	0.33	0.33 (0.11 creation and 0.22 enhancement <sup>†</sup> )	10.29	0
Coast live oak woodland	2.8	1.3	1.5	0	3:1 or 2:1 <sup>‡</sup>	2.9	1.5	0	1.4
Diegan coastal sage scrub	129.6	42.3	87.3	3.77	2:1	92.1	87.3	0	4.8
Non-native grassland	44.1	38.5	5.6	6.27	0.5:1	22.4	5.6	0	16.8
Non-native vegetation	0.1	0.1	0	0.39	0:1	0	0	0	0
Pasture	135.4	135.4††	0	9.06	0.5:1	72.2	0	0	72.2
Orchard	0	0	0	11.4	0:1	0	0	0	0
Eucalyptus woodland	0.1	0.1	0	0.3	0:1	0	0	0	0
Disturbed	4.4	3.9	0.5	13.71	0:1	0	0	0.5	0
Developed	2.1	2.1	0	1.75	0:1	0	0	0	0
<b>TOTAL</b>	<b>416.1</b>	<b>226.7††</b>	<b>189.4</b>	<b>48.25</b>	<b>--</b>	<b>203.43</b>	<b>108.2</b>	<b>99.6</b>	<b>95.2</b>

Source: REC 2009a, 2009c

\* Includes those proposed off-site improvements demarcated with a 1 or 2 (indicating improvements proposed as either part of the Proposed Project or mitigation for direct impacts, respectively) on Figure 1-35 of this EIR, including the intersections of SR 76/1-15 NB ramp and SR 76/1-15 SB ramp. Although demarcated with a 2, proposed improvements to the intersection of Old Highway 395/Reche Road would not require any grading.

\*\* Local, state, and federal agencies have a no net loss of wetland policy. Mitigation is typically required in the form of creation, enhancement, or restoration. 1:1 mitigation will be in the form of creation as described in the Revegetation Plan (Appendix I of EIR Appendix G), 2:1 mitigation will result from enhancement of a portion of existing on-site wetland habitat.

† Creation shall take place on site. In addition, enhancement shall take place on site within existing on-site wetlands, specifically southern riparian forest.

†† All or a portion of this impact may be conducted by adjacent projects currently under review. If so, these impacts would not be required as part of the Proposed Project.

‡ 3:1 ratio is for impacts within the fuel management zone (1.01 acre). 2:1 ratio is for impacts due to grading (0.3 acre).

†† Includes 4.6 acres of impacts to pasture that would be used to create riparian habitat as part of mitigation.