



EDMUND G. BROWN JR.

MATTHEW RODRIQUEZ BECRETARY FOR ENVIRONMENTAL PROTECTION

California Regional Water Quality Control Board, San Diego Region

July 1, 2014

Rick Wood Standard Pacific Homes 255 East Rincon, Suite 200 Corona, CA 92879 Certified Mail – Return Receipt Requested Article Number: 7009 1410 0002 2347 3384

> In reply/refer to: 788045:dbradford

Subject: Clean Water Act Section 401 Water Quality Certification No. R9-2013-0008 for the Terracina Project

Mr. Wood:

Enclosed find Clean Water Act Section 401 Water Quality Certification No. R9-2013-0008 (Certification) issued by the California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) in response to the application submitted by Standard Pacific Homes for the Terracina Project (Project). A description of the Project and Project location can be found in the Certification and site maps which are included as attachments to the Certification.

Standard Pacific Homes is enrolled under State Water Resources Control Board Order No. 2003-017-DWQ as a condition of the Certification and is required to implement and comply with all terms and conditions of the Certification in order to ensure that water quality standards are met for the protection of wetlands and other aquatic resources. Failure to comply with this Certification may subject Standard Pacific Homes to enforcement actions by the San Diego Water Board including administrative enforcement orders requiring Standard Pacific Homes to cease and desist from violations or to clean up waste and abate existing or threatened conditions of pollution or nuisance; administrative civil liability in amounts of up to \$10,000 per day per violation; referral to the State Attorney General for injunctive relief; and, referral to the District Attorney for criminal prosecution.

In the subject line of any response, please include reference number 788045:dbradford. For questions or comments, please contact me by telephone at (619) 521-3356 or by email at darren.bradford@waterboards.ca.gov.

Respectfully,

New W. K-

DAVID W. GIBSON Executive Officer

HENRY ABARBANEL, CHAIR | DAVID GIBSON, EXECUTIVE OFFICER

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Mr. Rick Wood Terracina Project Certification No. R9-2013-0008

Enclosure:

Clean Water Act Section 401 Water Quality Certification No. R9-2013-0008 for the Terracina Project

DWG:jgs:db:kd:dlb

CC:

U.S. Army Corps of Engineers, Regulatory Branch San Diego Field Office Peggy Bartels Peggy.J.Bartels@usace.army.mil

California Department of Fish and Game South Coast Region Habitat Conservation Planning – South Kim Freeburn Kim.Freeburn@wildlife.ca.gov

U.S. EPA, OWOW, Region 9 R9-WTR8-Mailbox@epa.gov

State Water Resources Control Board, Division of Water Quality 401 Water Quality Certification and Wetlands Unit Stateboard401@waterboards.ca.gov

Barry Jones Helix Environmental Planning BarryJ@helixepi.com

Tech Staff	f Info & Use
Certification No.	R9-2013-0008
Party ID	84420
File No.	R9-2013-0008
WDID	9000002530
NPDES No.	None
Regulatory ID	388169
Place ID	788045
Person ID	537621
Inspection ID	None

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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/

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

PROJECT: Terracina Certification Number R9-2013-0008 WDID: 900002530

Reg. Meas. ID: 388169 Place ID: 788045 Party ID: 84420 Person ID: 537621

APPLICANT: Standard Pacific Homes 255 East Rincon, Suite 200 Corona, CA 92879

ACTION:

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

PROJECT DESCRIPTION

An application dated November 14, 2012 was submitted by Standard Pacific Homes (hereinafter Applicant), for Water Quality Certification pursuant to section 401 of the Clean Water Act (33 U.S.C. § 1341) for the proposed Terracina Project (Project). The California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) deemed the application to be complete on April 3, 2014. The Applicant proposes to discharge dredged or fill material to waters of the United States and/or State associated with construction activity at the Project site. The Applicant has also applied for a Clean Water Act section 404 permit from the United States Army Corps of Engineers for the Project (USACE File No. SPL-2012-00852-PJB).

The Project is located adjacent to the City of Temecula in unincorporated Riverside County, California at the north eastern intersection of Via Puebla and Monte Verde Road. The Project center reading is located at latitude 33.46361 and longitude -117.07916. The Applicant has paid all required fees for this Certification in the amount of \$58,943.00. On November 14, 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 Applicant proposes to construct single-family houses on 93.5 acres. The development includes: 206 residential lots; associated infrastructure and utilities; a sewer lift station; parks and open space; and stream channel impacts. Stream channel impacts include lowering and

widening the existing channel, a combination of earthen and hardened side slopes, access roads, and maintenance ramps. A majority of the slopes will be 4:1 earthen slopes. The Riverside County Flood Control District and Water Conservation District (RCFCWCD) will maintain the side slopes. The earthen bottom will not be maintained by the RCFCWD with the exception of a 3-foot mowed strip at the toe of the slope on either side of the channel. Additionally, two roadway crossings will be constructed for traffic circulation. These crossings consist of a double 10 foot by 4 foot box culvert at Cebalo Street, and two double 10 foot by 4 foot box culverts at Woolpert Lane.

The Project will convert approximately 36.39 acres of pervious ground cover to impervious surfaces. Runoff leaving the developed Project area would be significantly greater in volume, velocity, peak flow rate, and duration than pre-development runoff from the same area without mitigation. Post-construction best management practices (BMPs) to manage and control the effects of these runoff increases will consist of four detention basins that will serve as both peak flow reduction and water quality basins. These BMPs will be designed, constructed, and maintained to meet Riverside County's Low Impact Development (LID) Capture Volume and hydromodification treatment requirements.

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).

Project construction will permanently impact 1.80 acre (5,562 linear feet) of streambed waters of the United States and/or State. The Applicant reports that the Project purpose cannot be practically accomplished in a manner which would avoid or result in less adverse impacts to aquatic resources considering all potential practicable alternatives, such as the potential for alternate available locations, designs, reductions in size, configuration or density.

The Applicant reports that compensatory mitigation for the permanent loss of 1.80 acre of jurisdictional waters will be achieved through the establishment, restoration, and preservation of 5.40 acres (4,860 linear feet) of waters of the United States and/or State. 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 States and/or State will be completed by the Applicant on-site in the Pauba hydrologic sub-area (HSA 902.51) and through purchase of vernal pool wetland mitigation credits from the Barry Jones Mitigation Bank (Gertrudis HSA 902.42) at a total minimum compensation ratio of 3:1 (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 *Habitat Mitigation and Monitoring Plan for the Terracina Project*, dated June 25, 2014 (Mitigation Plan). San

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Diego Water Board acceptance of the 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. The Mitigation Plan 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 4 of this Certification.

July 1, 2014

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Attachments:

- 1. Definitions
- Project Location Maps
 Project Site Plans
- 4. Mitigation Figures

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I. STANDARD CONDITIONS

Pursuant to section 3860 of title 23 of the California Code of Regulations, the following three standard conditions apply to <u>all</u> 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 applicant.

II. GENERAL CONDITIONS

- A. Term of Certification. Water Quality Certification No. R9-2013-0008 (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 Applicant 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.

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 Applicant 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 Applicant 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 Applicant must maintain a copy of this Certification at the Project site. This Certification must be available at all times to site personnel and agencies. 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 Applicant must allow the San Diego Water Board or the State Water Resources Control Board, and/or their authorized representative(s) (including an authorized contractor acting as their representative), upon the presentation of credentials and other documents as may be required under law, to:
 - 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;
 - Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Certification;
 - Inspect, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Certification; and
 - 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.
- 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;
 - Monitoring results indicate that continued Project activities could violate water quality objectives or impair the beneficial uses of the Temecula Creek or its tributaries;
 - Obtaining this Certification by misrepresentation or failure to disclose fully all relevant facts;
 - A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge; and
 - 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 Applicant 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 Applicant 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.
- M. Petitions. Any person aggrieved by this action of the San Diego Water Board may petition the State Water Board to review the action in accordance with the California Code of Regulations, title 23, sections 3867 and following. The State Water Resources Control 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 or will be provided upon request.

III. CONSTRUCTION BEST MANAGEMENT PRACTICES

- A. Approvals to Commence Construction. The Applicant 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 Applicant 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 Applicant must, at all times, maintain appropriate types and sufficient quantities of materials on-site to contain any spill or inadvertent release of materials that may cause a condition of pollution or nuisance if the materials reach waters of the United States and/or State.
- D. General Construction Storm Water Permit. Prior to start of Project construction, the Applicant 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 Applicant 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 Applicant 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.
- 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 Applicant shall implement and maintain 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 <u>http://www.calipc.org/ip/inventory/weedlist.php</u>.
- 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 Applicant 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 Applicant 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 Applicant must take all necessary measures to protect the beneficial uses of waters of the unnamed tributaries to Temecula Creek. 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.

IV. POST-CONSTRUCTION BEST MANAGEMENT PRACTICES

- A. Post-Construction Discharges. The Applicant 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 Plans for County of Riverside. Post-construction BMPs, including those described in the Water Quality Management Plan Tract 31597 "Terracina" (SWMP), must treat 100 percent of the added impervious surface.
- 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, dated January 6, 2012 (Revised October 5, 2012), prepared on behalf of the Applicant by Mayers & Associates Civil Engineering, Inc.; or any subsequent version of the SWMP approved by the County of Riverside.

- 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)¹ guidance. The Applicant 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;
 - 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;
 - 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
 - 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.
- F. Stream Crossing Structures. Bridges, culverts, dip crossings, or other stream crossing structures shall be designed and installed in a manner that will not cause scouring of the stream bed and/or erosion of the banks in the vicinity of the Project. Storm drain lines/culverts and other stream crossing structures shall be designed and maintained to accommodate at least a 100-year, 24-hour storm event, including associated bedload and debris with a similar average velocity as upstream and downstream sections. Bottoms of temporary culverts shall be placed at stream channel grade and bottoms of permanent culverts shall be open bottom or embedded and backfilled below the grade of the stream greater than or equal to a depth of 1 foot.

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 unnamed tributaries to Temecula Creek within the Santa Margarita 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:

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

	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)
			0.49 Establishment ¹	0.27:1 Establishment	3,050 Establishment	0.55:1 Establishment
Streambed (Permanent Impacts)	1.80	5,562	1.80 Re- establishment ²	1:1 Re- establishment	1,810 Re- establishment	0.33:1 Re- establishment
		7.4	3.11 Preservation ³	1.73:1 Preservation		

1. Streambed establishment on-site.

2. Streambed re-establishment on-site.

3. Vernal pool wetland preservation at the Barry Jones Mitigation Bank.

- C. Compensatory Mitigation Plan Implementation. The Applicant 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.
- 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 section 9.0 of the Habitat Mitigation and Monitoring Plan for the Terracina Project to the satisfaction of the San Diego Water Board.
- E. Compensatory Mitigation Site Design. The compensatory mitigation site(s) shall be designed 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;
 - 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 interspersion among plant zones and layers.
- F. **Temporary Project Impact Areas.** The Applicant must restore all areas of temporary impacts and all other areas of temporary disturbance which could result in a discharge or a threatened discharge of pollutants to waters of the United States and/or State.

Restoration must include grading of disturbed areas to pre-project contours and revegetation with native species. The Applicant must implement all necessary BMPs to control erosion and runoff from 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 landuse and maintenance activities that may threaten water quality or beneficial uses within the mitigation area(s) in a manner consistent with the following requirements:
 - 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;
 - 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;
 - 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 Applicant 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 Applicant 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 Applicant must provide the San Diego Water Board 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 Applicant 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 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.

J. Mitigation Bank Preservation Credits. Within 60 days from the start of Project construction, the Applicant must provide proof of purchase of 3.11-acre of vernal pool preservation mitigation credits from the Barry Jones Mitigation Bank.

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:
 - 1. The date, exact place, and time of sampling or measurements;
 - The individual(s) who performed the sampling or measurements;
 - The date(s) analyses were performed;
 - The individual(s) who performed the analyses;
 - 5. The analytical techniques or methods used; and
 - 6. The results of such analyses.

- E. Annual Project Monitoring Reports. The Applicant 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;
 - 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; and
 - 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.
- F. Final Project Completion Report. The Applicant must submit a Final Project Completion Report to the San Diego Water Board within 30 days of completion of the Project. The final report must include the following information:
 - 1. Date of construction initiation;
 - 2. Date of construction completion;
 - 3. BMP installation and operational status for the Project;
 - 4. As-built drawings of the Project, no bigger than 11"X17"; and
 - 5. Photo documentation of implemented post-construction BMPs and all areas of permanent and temporary impacts, prior to and after project construction. Photo documentation must be conducted in accordance with guidelines posted at <u>http://www.waterboards.ca.gov/sandiego/water_issues/programs/401_certification/d</u> <u>ocs/StreamPhotoDocSOP.pdf.</u> In addition, photo documentation must include Global Positioning System (GPS) coordinates for each of the photo points referenced.
- G. Annual Compensatory Mitigation Monitoring Report. The Applicant 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;
- 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):
 - a. Detritus cover;
 - b. General topographic complexity characteristics;
 - c. General upstream and downstream habitat and hydrologic connectivity; and
 - d. Source of hydrology;
- 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;
- 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;
- Qualitative and quantitative comparisons of current mitigation conditions with preconstruction conditions and previous mitigation monitoring results;
- 7. Stream photo documentation, including all areas of permanent and temporary impact, prior to and after project construction, and mitigation sites, including all areas of permanent and temporary impact, prior to and after project construction. Photo documentation must be conducted in accordance with guidelines posted at http://www.waterboards.ca.gov/sandiego/water_issues/programs/401_certification/d ocs/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;
- 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).
- H. 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.
- Electronic and Paper Media Documents. The Applicant 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. R9-2013-0008:PIN 788045.
- J. Document Signatory Requirements. All applications, reports, or information submitted to the San Diego Water Board must be signed as follows:
 - 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.

K. 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."

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

Executive Officer California Regional Water Quality Control Board San Diego Region Attn: 401 Certification No. R9-2013-0008:PIN 788045 2375 Northside Drive, Suite 100 San Diego, California 92108

VII. NOTIFICATION REQUIREMENTS

- A. Twenty Four Hour Non-Compliance Reporting. The Applicant shall report any noncompliance which may endanger health or the environment. Any such information shall be provided orally to the San Diego Water Board within 24 hours from the time the Applicant becomes aware of the circumstances. A written submission shall also be provided within five days of the time the Applicant becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The San Diego Water Board, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.
- B. 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 Riverside, 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 Applicant is 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 Applicant 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:
 - Transfer of Property Ownership: The Applicant must notify the San Diego Water Board of any change in ownership of the Project area. Notification of change in ownership must include, but not be limited to, a statement that the Applicant has provided the purchaser with a copy of the Section 401 Water Quality Certification and that the purchaser understands and accepts the certification requirements and the obligation to implement them or be subject to liability for failure to do so; the seller and purchaser must sign and date the notification and provide such notification to the San Diego Water Board within 10 days of the transfer of ownership.
 - 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.
 - Transfer of Post-Construction BMP Maintenance Responsibility: The Applicant assumes responsibility for the inspection and maintenance of all post-construction structural BMPs until such responsibility is legally transferred to another entity. At

the time maintenance responsibility for post-construction BMPs is legally transferred the Applicant must submit to the San Diego Water Board a copy of such documentation and must provide the transferee with a copy of a long-term BMP maintenance plan that complies with manufacturer specifications. The Applicant must provide such notification to the San Diego Water Board within **10 days** of the transfer of BMP maintenance responsibility.

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

F. Discharge Commencement. The Applicant 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

- 20 -

- A. The County of Riverside is the lead agency (Lead Agency) under the California Environmental Quality Act (Public Resources Code section 21000, et seq., (CEQA)), and filed a Notice of Determination dated May 17, 2007 for the Mitigated Negative Declaration (MND) titled Change of Zone No. 6926/Tentative Tract Map No. 31597. 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. 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

Darren Bradford, Environmental Scientist California Regional Water Quality Control Board, San Diego Region 2375 Northside Drive, Suite 100 San Diego, California 92108 Telephone: (619) 521-3356 Email: <u>darren.bradford@waterboards.ca.gov</u>

X. WATER QUALITY CERTIFICATION

I hereby certify that the proposed discharge from the **Terracina** (Certification No. R9-2013-0008) 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. R9-2013-0008 issued on July 1, 2014.

W. 1

DAVID W. GIBSON Executive Officer San Diego Water Board

1 July 2014

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.

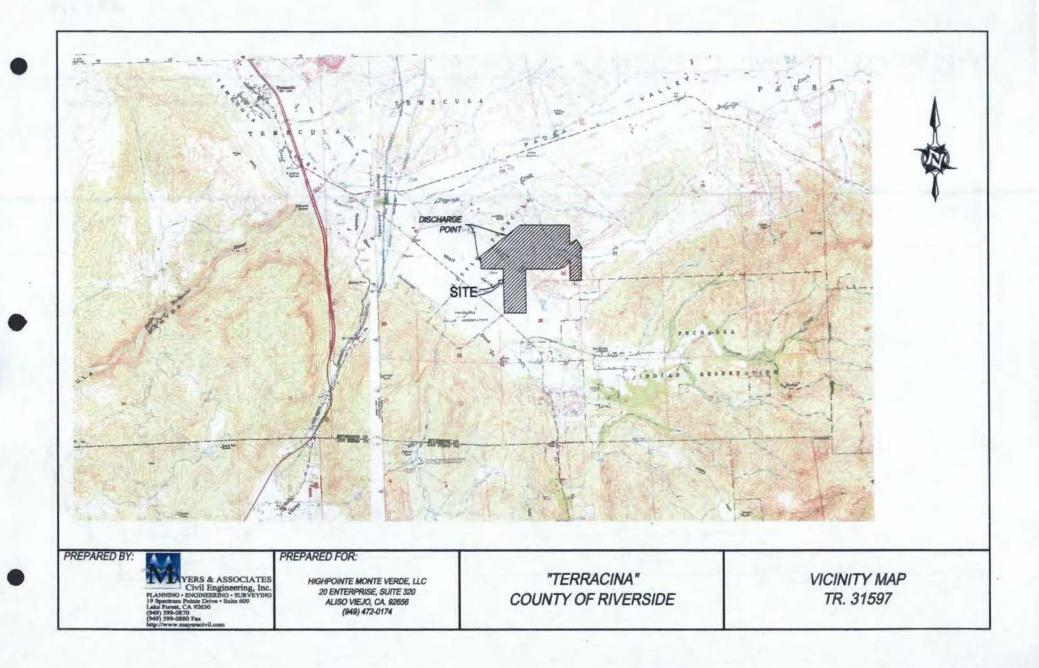
Restoration - means the manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/historic functions to a former or degraded aquatic resource. For the purpose of tracking net gains in aquatic resource area, restoration is divided into two categories: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

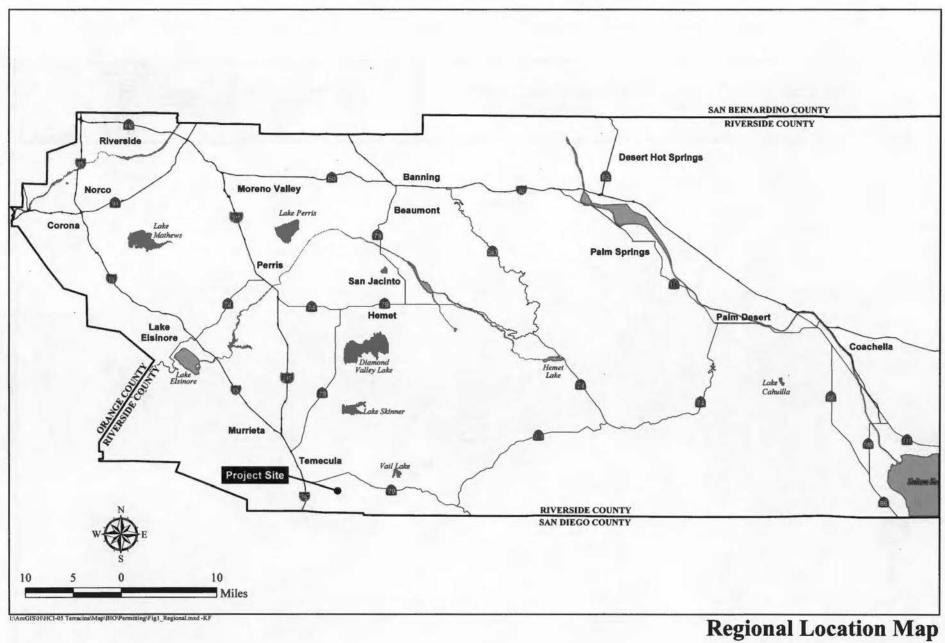
Start of Project Construction - For the purpose of this Certification, "start of Project construction" means to engage in a program of on-site construction, including site clearing, grading, dredging, landfilling, changing equipment, substituting equipment, or even moving the location of equipment specifically 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.

ATTACHMENT 2 PROJECT LOCATION MAPS

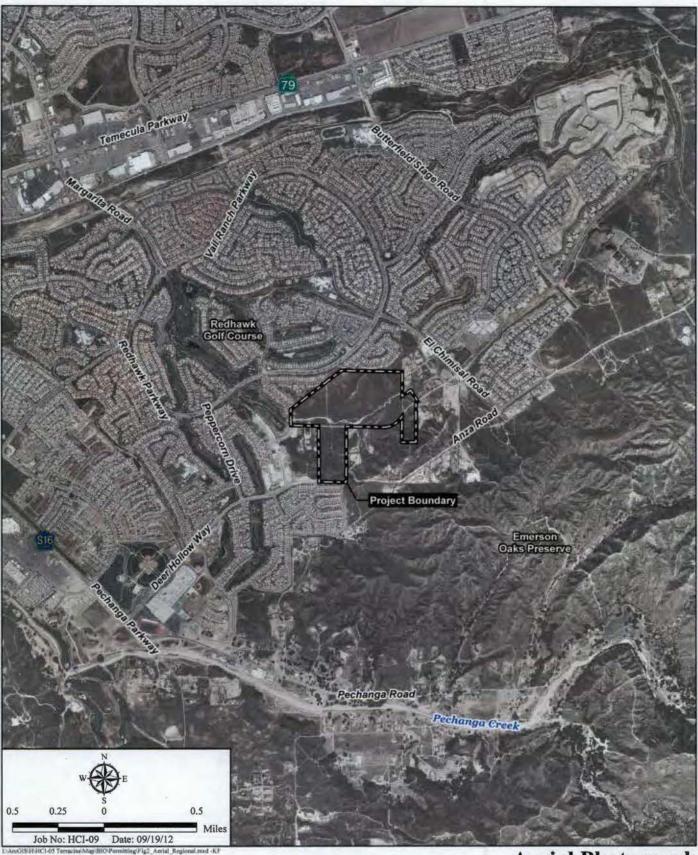




HELIX Environmental Planning

TERRACINA - TRACT 31597

Figure 1



Aerial Photograph

TERRACINA - TRACT 31597



Figure 2

RECEIVING WATERS MAP

Project-Specific Preliminary Water Quality Management Plan (WQMP) TERRACINA, Tentative Tract Map 31597





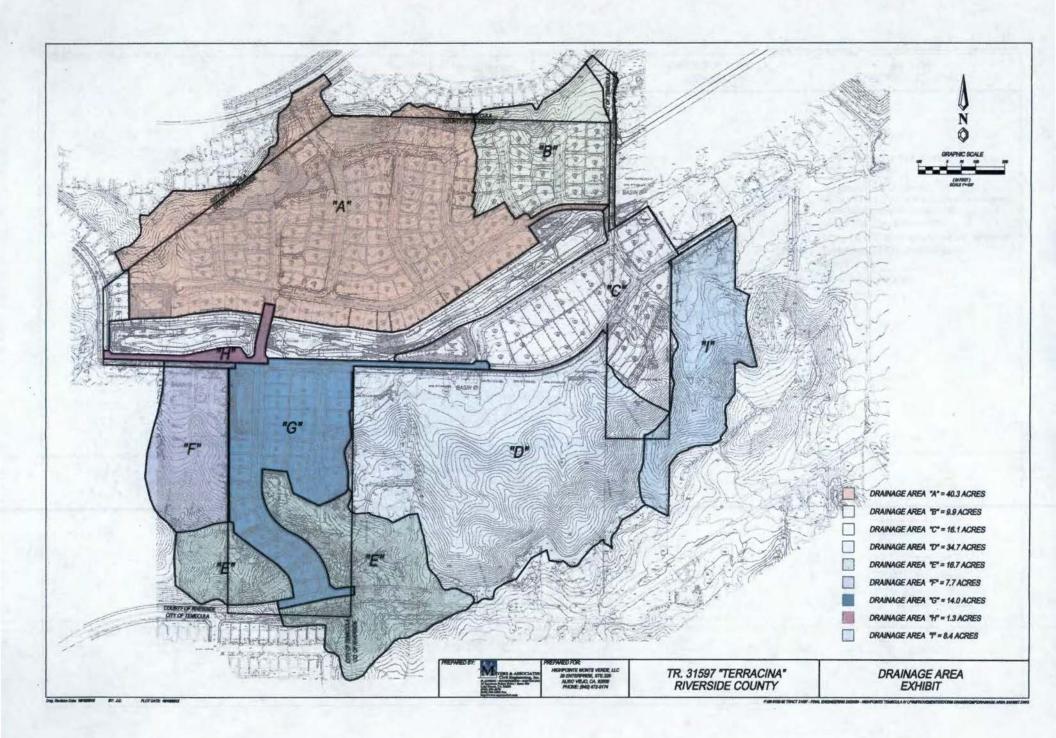
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TERRACINA - TRACT 31597

Figure 3

HELIX Environmental Planning

ATTACHMENT 3 PROJECT SITE PLANS





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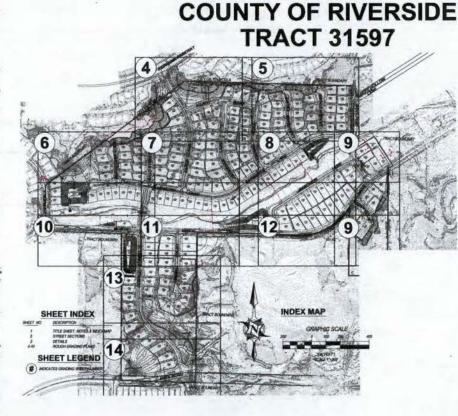
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REVIEW BY COUNTY STAFF

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NONPOWIE COMMANTES, INC			TRAFFC INL, BE FERMITED THEREON BENEFT' TRACKUM AFTER THE FLACING OF CONCIDETE. 8. INFORTION LINES WITHIN MAY COUNTY STREET SHALL HAVE A THATY-HOCH MINILAN COURT FROM RANNE AUTHOR. UNSEES MAD INFORMATION LINE IF INFORMATION COURCE IT OR INFORMATION ON A RANNE AUTHOR. UNSEES MAD INFORMATION LINE IF INFORMATION COURCE IT OR INFORMATION IN A
NONPONTE COMMANTES, MC NONTE: COMMANTES, MC LADUNA NODOL, CA SINS (MI) 4774000			SFECIAL CONCRETE CINICLE
TOTAL DISTURB		REA	In The contractor based operate as a manager compliant with all applicable bectores of the county code and compliant with all applicable board of bupginging resolutions.
4000 MIL BIO FT		The state of the s	11. THE LOCATION OF UNDERGROUND UTILITY OR PRICATION LINES. AS SHOWN ON THE PLANS. IS
FEMA FLOOD Z	ONE-	-	11. THE LOCATION OF UNDERVICING UTILITY OR PRIMATION LINES: AD INFORM OR THE FLAREL B APPROXIMATE, MO BERET THE ACTUAL LOCATION HAVE & GARDINAL OPERATION FROM THAT SHOWN, THE GARDINETTING REGULTION TO CAMPACITY THE APPROXIMATE UTILITY OF HAVED COMPARY REFORE EXCANATION IN THE HIGHLY OF ANY BUCKLINES.
And the second s			 PARIONALY THEER BATTALLED BY THE DEVELOPER SHALL BE FLANTED AND MONITAINED IN COMPLANCE WITH THE APPROVENTE COUNTY STANDARDS.
WDID NO. 9 330	3477	29	COMPLANCE WITH THE APPROXIMATE COUNTY BIANDAHOM. 12. ALL BIREET INNE AND TRAFFIC REGULATORY BIANE RECATED ON THE FLAND WILL BE INITIALED BY THE EXPERIINGE IN ACCORDANCE WITH THE APPROXIMATE COUNTY STANDAHOM.
SI-HOUR ENERGENCY CONTACT STENE LUIDING (MIN 472-0000			BY THE DEVELOPER IN ACCORDANCE WITH THE APPROPRIATE COUNTY STANDARDS. 14. ALL STREET LIGHTS BOOCATED ON THE FLARE RANK LEW STALLED BY THE LOCAL SLECTRIC
EARTHWORK Q	UANT	ITIES	M. ALL STREET LIGHTE ADMIATED ON THE PLANS BOULD BE INSTALLED BY THE LOCAL ELECTRIC UTLITE COMPANY. THE DIVELORIES BOULD NORMELT WITH THE COMPANY INFORMATION AND ADDRESS A
a support the second se	arien	FILLED	M. AN APPROVED NEED JULLES SHALL BE APPLIED TO THE PREPARED MAR PROVE DATASHALT FRANKLER ALL AREAS INFERE FRANK EVENES & AND EVENES OF ADMINISTRA CANTERINA. INFERENT IN THE MARK EXTERNA AND EXTERNAL MALEREEN ALL AND EVEN ALL BE
ANY VOLUMES & 7 SUBSCIPCE (LINUSZ SF)	NUM	400,001	PRESENT IN THE BASE SETTER NATIVE OR BIFORTED) NATERIAL ALL WEED KELERS SHALL IE APPLED IN ETRICT ACCORDANCE WITH THE MINURACTURER'S BIFORKATIONS AND INSTRUCTIONS
A P OLDERADO OF BEDROCK AMPERINAS IN RAIN VOLUME (MILION CY)			38 PROVISIONS SHALL BE MADE BY THE CONTRACTOR FOR CONTRBUTORY DRAWINGE AT ALL THESE
		(12,015)	I FOLL PERSONNEL
(INVASIB EX) (200L/007 CY)		22,299	LEGAL DESCRIPTION
(2,631,632 57)	1.572.030	1,02,03	Planual 1 of general map no. 18851 as filed in back 113, page 75 of pantual maps, records of Riverside County, Collision Planual 3 of pantual map no. 19881, as filed in back 113, page 75 of pantual maps, records of Assemble county, Collision
NUTE BERRINADE		352,886	Plance 2 of pancel map no. 18881, as illed in book 11.3 at page 76 of pancel maps, records of Avenuela county, California Pancel 2 of pancel map no. 17822, or filed to book 152, page 36 of pancel maps, records of riversite county, California
OVEREXCAUNTE 3' INTO BEDROCK FRL AREAD (457 804 5F)	\$1.673	50.673	Pennis I drough 4 of pennis map on 20050, as Bell is book 132 page 70 of maps, neuroits of riventite ourse, California Pannis I of pennis map on. 17352, as Bell of Incon 103, page 81 of pannal maps. Neuroits of riventite oursely, California Lot 75 of text on. 25064: as per map resoluted in book 265, page 178 foragit 17 of maps, neuroit of riventite oursely, California
2.9% BLANNO TOTALO		1.000	Let 15 of text me. 32084-4 are pre-reap incontele to book 261, pages 29 though 21 of maps, second of thermatic covers, California Parcel & of notice of lat live adjustment on. 4001, recorded on July 18, 1988 on betrummel no. 296800 more particularly described as below: Below if 16 for that no. 20064-4, in the anticaccontrol dentity of the south of hermitis, sale of California, an
APORT III	LINUIT	2,302,412	But in boot 201, pagin 20 Wough 37 solution, in the recording called of sold county, same of California, wapping therefore fee bolies in boot 201, pagin 20 Wough 37 solution, is the recording called of sold county, same of California, wapping therefore fee bolies described april of and, Bestering of the postbased names of all 51 of all back to 2005.6.4 There allow the and finance in the souther of the southere are all to be apping the solution.
COUNTY EARTH		RK	Press 1 of press range on 1988 (an all both hour 112, page 70 of press range, second of Press D. Control, Collinson Press 2 of press range on 1988 (an all both hour 112, page 70 of press range, second of press D. Control, Collinson Press 2 of press range on 1998 (an all both hour 112, page 70 of press range, second or press range on press range of press range on 1998 (and press range of press range). The press range of pre
Support to the same to the support of the later of the same	GUT IGO	BLED	Ine youth DV 50° 14° ease, 87 75 feet to the analysisstemy line of said let 70. Therein along said southeasteny line youth 53° 08° 34° event, 5.48 lead to the point of beginning.
ANY YOLINES	41.011		Theod 1 of parent map 14623, as alcore by map on the to book 78 page(s) 25, of percel ways, records of inventile county. Celifornia
			IT IS THE CONTINUCTOR / BEIDERTS RESPONSIBILITY TO REVIEW THESE PLANE AND PREMIE THEM OWN THRE -
			IT IS THE CONTRACTOR / BEDERTS RESPONDINGLY'S TO REVEAL THESE FLAVE AND PREMAINE THESE OWN THAT - OVER TO HEREY ALL GUARTIESE ACLIDER ALL REVEALED AND ANTHESE RAW & REMEMAL TO COMPLETE ALL OPENDIO AND IMPROVEMENTS SCHEME IN THESE FLAVES.
PLAN CHECKED BY JUNN POLING	LAZYEM		
RECOMMENDED BY	-	CM TE	исстанование да на чин синетик иннукти комрано бан сознаке бан сознаке как иннукти и на интернатор а на начи сознакото се сознаке на сознаке након комрано бан сознаке по након как и терето на сознаке на сознаке по токата со токата со након со након након сознаке на сознаке на сознаке на сознаке на сознаке на со на након как на сознаке на сознаке на сознаке на сознаке на сознаке за со након након как на сознаке на сознаке на сознаке на сознаке на сознаке за сознаке након как на сознаке на сознаке на сознаке на сознаке на сознаке на сознаке на сознаке након как на сознаке на сознаке на сознаке на сознаке на на сознаке на сознаке н сознаке на сознаке на со
APPROVED BY		Lines .	BY THE INVERTICE COUNTY FLOOD CONTROL DISTINCT (TR STBIC ONTE

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APPROVED OR CLEARED TO CONCELEY THE TRANSPORTATION DEPARTMENT (PP APP DATE) AND APPROVED TENTATIVE TRACT WAY INCLUDED CONDITIONS OF A DANEL A YORK DATE CITY ENGINEER DEPUTY FURCE INDIK DRECTOR R.C.E.43212 EXP. doi:10. BGR 070552 COUNTY OF RIVERSIDE Partic CA Chill ERS & ASSOCIATES ivil Engineering, Inc.

ROUGH GRADING PLAN FOR **TRACT 31597** SCHETKE F A LP. NO. 079170

FOR AND AD TRUCT STOLD, CALL COMPACTIONS OF THE ADDRESS TO BE ADDRESS TO BE ADDRESS TO BE ADDRESS ADDRESS TO BE ADDRESS AD

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PREMO

INCHES ARCHEST Over Advancer IN COLUMN COMMITTEE BY: 10

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BASIS OF BEARINGS

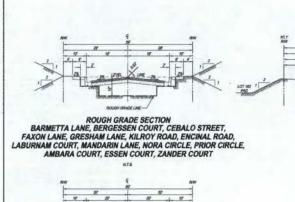
BENCH MARK

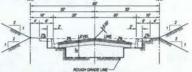
DATE 860807

THE BEAMBRED BROWN NEREDA AND BASED ON THE CENTERLINE OF BL OWNER, REAM SERIO INN'HOLSTWAS BROWN ON A MAP OF TRACT NO. BMCS / FILLED IN MAP BOOK 304, AT PAGES 1 THROUGH & INCLUDIE, IN THE OFFICE OF THE COUNTY RESOLUTIOR OF MERIDER COUNTY

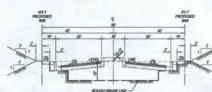
FD. BTANDARD U.S.G.S. BRASS DBK BET IN THE TOP OF A CONCRETE MOREMENT STAMPED 1985, S.1 MILES NORTH ALONG A PRIVED ROAD

HE ROAD AND SET IN THE TOP OF A DONORETE OST PROJECTING UP ABOUT # INCHES





MONTE VERDE DRIVE HT.L



ROUGH GRADE SECTION TYPICAL ENTRY SECTION - FAXON LANE



INDERGROUND SERVICE ALER

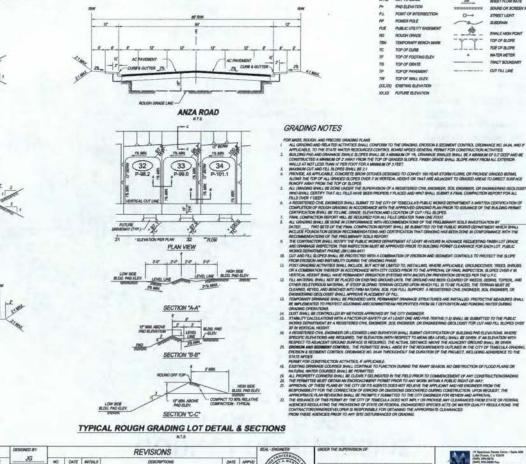
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BASIS OF BEARINGS THE BEARINGS BHOTH HEREIGH ARE BASED ON THE CENTERLINE OF EL CHIMMON, READ BEING MARTINETTIN AS DECIMINENT AND ARE OF TRACTING CTNO.

MOUGH & MOLURAR, IN THE OFFICE OF THE BENCH MARK



BOX KIN COMPLEX (MI

SECTION A - A - SHT 14

ANZA ROAD

(FULL IMPROVEMENTS)

MT.R.

LEGEND OF ABBREVIATIONS & SYMBOLS

32	BUILDING SETENCH LINE		AREA CROWN
INC	BEGIN VERTICAL CURVE	por the second	CATCH BASIN & LOCAL
per	BLOCK HIPLL FENCE		DEPRESEION
OF .	DEEPENED FOOTING	4 4	CENTERINE
OWY	DRIVENNY		DAYLIGHT LIME
P	EDGE OF PAVENENT	1 30	DEEPEN FOOTING
ENC	END YERTICAL CLIMME	W	and a subsection of the
11	FRIEDH FLOOR FLEY.	~ (m) ~	EXERTING CONTOUR
FQ.	FINEH CREADE		FRE MORANT
	ROMANE BLEV.		ROWLINE
FØ	FINISH SURFACE		GRADED BRALE
08	ONHOE BREAK		PROPERTY LINEALOT LINE
077	GAMADE FINERH FLOOR		PROPOSED CONTOUR
100	HIGH POINT		RETAINING YORKS
201	INVERT OF DRAM		ADDVT OF HENY
4=	LENGTN	STA	HOCK OUTCHOPPING TO BE REBUDIED
HT.B.	HOT TO BCALE	25	INTEL PLOW RATE
24	AND ELEVATION	ADDRESS OF	SOUND OR SCREEN HIN.
12	PORT OF INTERMECTION	0+	STREET LIGHT
ne .	POWER POLE	re	SLEEDBAR
PUE -	PUBLIC UTILITY EASEMENT	-	
190	ROLICH CRIMOE		BWINLE HIGH POINT
7594	TEMPORARY BENCH MAN		TOP OF BLOPE
FC I	TOP OF CURE		TOE OF BLOPE
-	TOP OF FOOTING BLEY		MATER METER
10	TOP OF ORNTE		THICT BOURDARY
5P	TOP OF PHILEMINT		CUTT FILL LINE
TW	TOP OF WHELE LEY.		
001.00	ENETING ELEVATION		

- HALLA AN OF LESS TOYM A TRANSFORMER AND A MUNICIPAL OF THE T MARKAN CUT MAR FELL SOME SHALL BE 21 MARVING AS APPLICABLE, CONCRETE BROW (MTSHES DESIGNED TO CONVEY INS-MUAR STUMM ALCARD HE TO OF ALL QUARDE DO (OFES OVER I'N MERTICAL MEINT OR THAT ARE ADJACENT RUMOV ANNY FROM THE FOR OF SLOPES

- RAINAGE STRUCTURES ARE INSTALLED PROTECTIVE M
- RADNE OPERATIONS. 137 III-la de COmmului de Vietnood Approved de los contentes de l'estation also partes de la companya de la company La companya de la companya

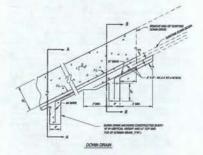


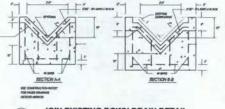
ROUGH GRADE SECTION WOOLPERT LANE NORTH OF BARMETTA LANE

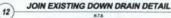
CONSTRUCTION NOTES FOR PAVED DRAMAGE DEVICES:

- CONDETE SHALL HAVE A MINIMUM IX TIMPTE COMPRESSIVE STRENGT AT 39 DAYS OF 3389 P.S.L CONCEPTE MAY BE PRE-MATICALLY PLACED AND BHALL CONFORM TO SECTION 3824 OF THE UNIFORM SULDING CO.
- REPARTING MALL HE #" X #" WLA X WLA HELDED HARE MEEH (N W.M.) OR APPRICHED EDILM
- ORONAD BHILL BE PRE-WETTED TO THE BATBLACTICH OF BULLDIN. OTTICHL OR ENGINEER PRICE TO PLACEMENT OF CONCRETE. CURIN BIVILL BE LIBED WHEN REQUIRED BY THE PUBLIC WORKS DIRECTOR

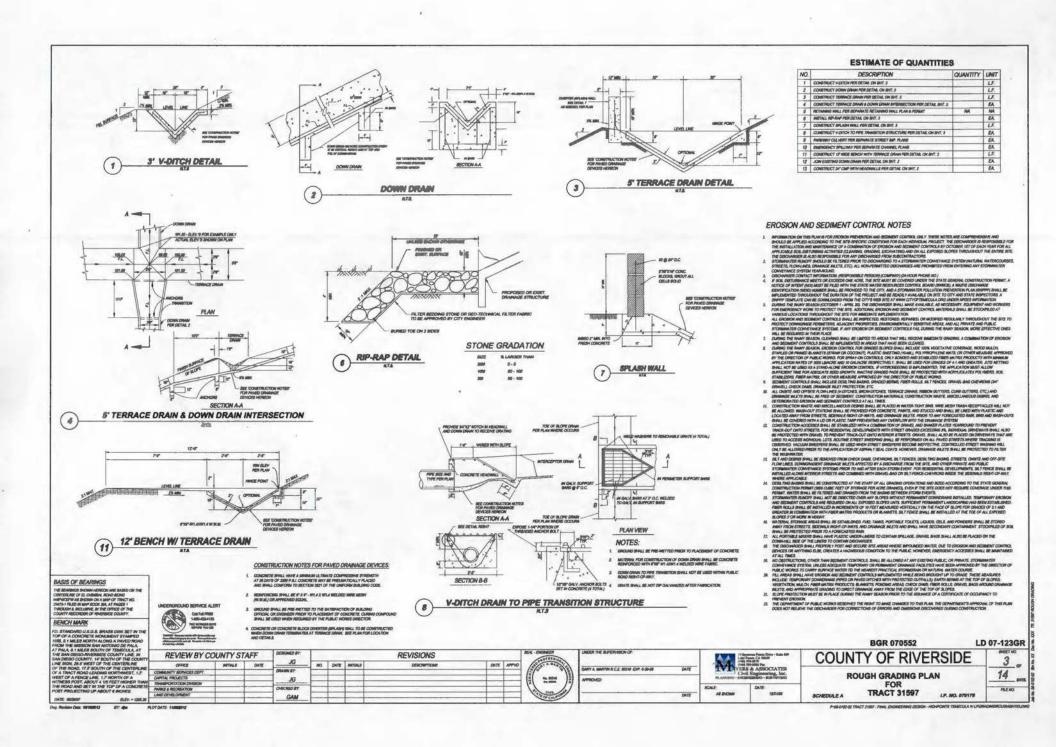
4 CONCRETE OR CONCRETE BLOCK ONERTER (IPLAN) BULL TO BE CONSTRUCTED INNER DOMN CONSULT TO BE AT TEMPORE DINAL SEE PLAN FOR LOCATION LIMIT/OFFICE B.

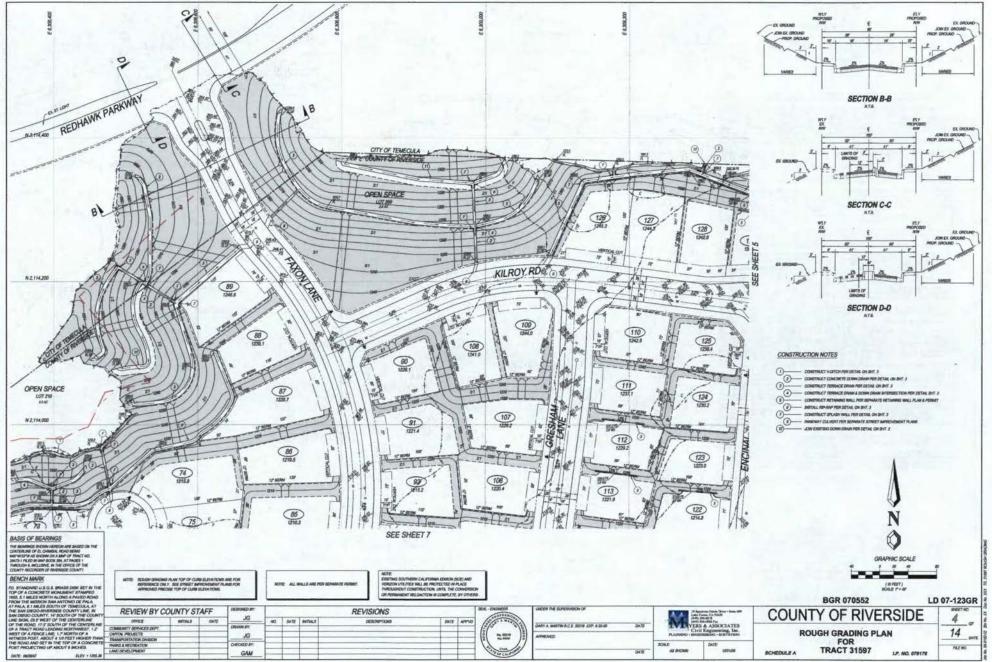






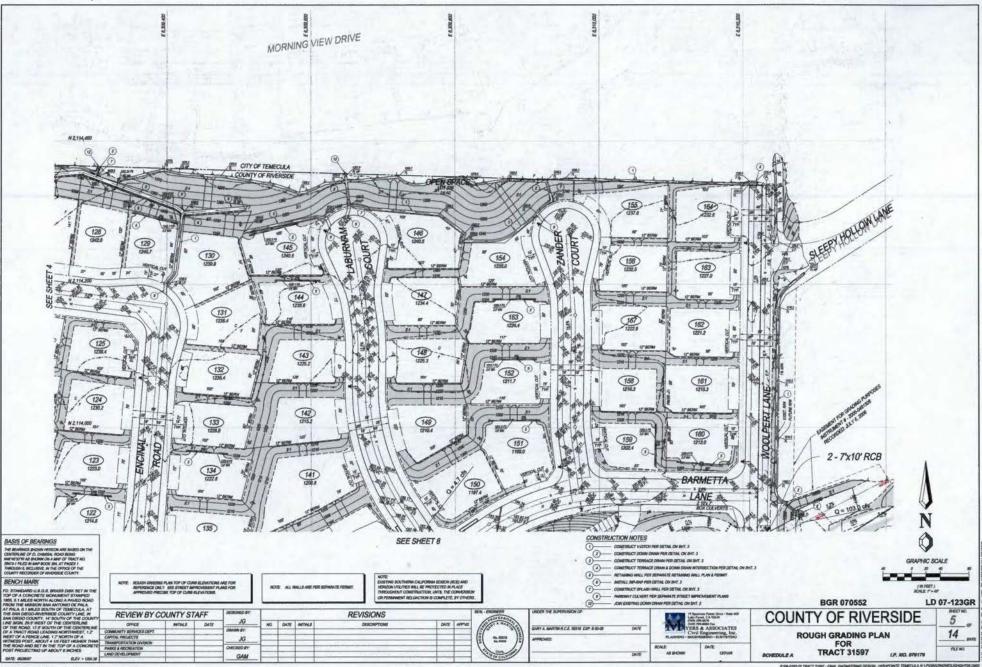
PD. BTANDARD U.B. G. B. BRASS DISK BIT IN THE TOP OF A CONCRETE MONUMENT STAMPED 1855, S. 1 MILES MORTH ALONG A PRIVED ROAD PROM THE MISSION SAN ANTONED DE PALA. **BGR 070552** LD 07-123GR AT PALA & I MILES BOU NOER THE SUPERVISION OF **REVIEW BY COUNTY STAFF** 10477 30 COUNTY OF RIVERSIDE SO TRUTTERIOS Lotier French, C. (Note: Strik-SET) 2 INE SIGN, 28.5' WEST OF THE CENTERLINE CODICE NUM DATE NO. DATE INTIALS DERCHIPTICS DATE APPLO or GANY & MANTIN & C.E. SUB14 EXP 5-50-00 (MITE ERS & ASSOCIATES uner In 14 WTY BERIVICES DEP **Wil Engle** neering, Inc. ROUGH GRADING PLAN ST OF A FENCE LINE, 1.7 NORTH OF A MESS POST, ABOUT 4 15 FEET HOMES INVAD AND SIT IN THE TOP OF A CON APITAL PROJECTS JG No. 0212 Au. 1000 RANK PROFESSION OF STREET, FOR MAKE & RECREATED HECKED BY SCALE FREND **TRACT 31597** OATE AS INCOME. 10010 GAM SCHEDULE A LP. NO. 070178 81.6V + 1288.30 87: 1.6 Endering Only Internet POCOUTE COMPANY Pros-Grad-La TRACT STORT - FRAME ENCO RIND DEBKIN - NIGHPOWITE TEMEOLEA W LPOP



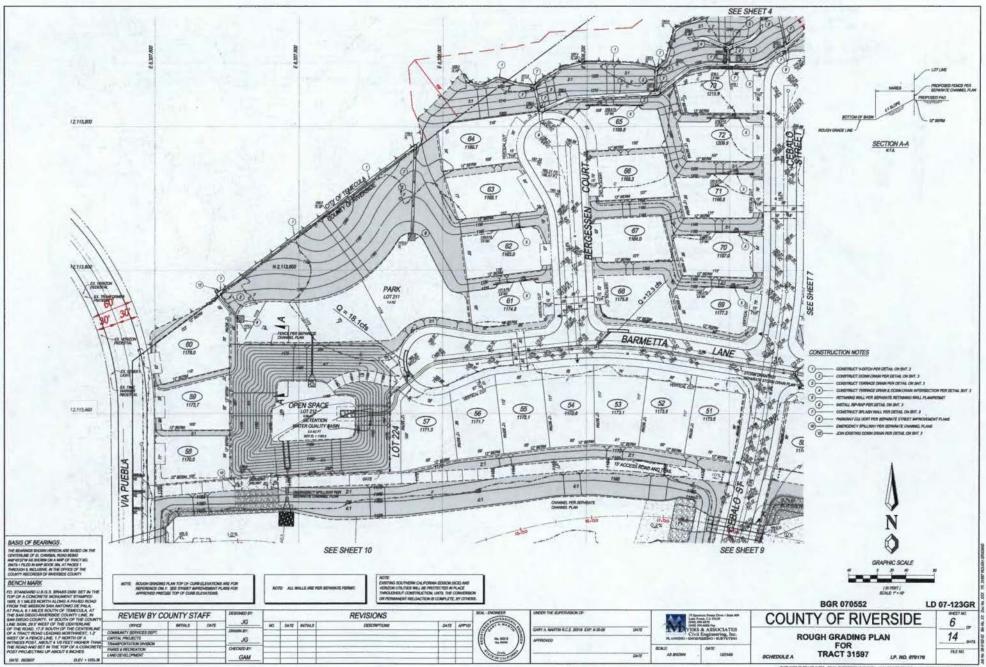


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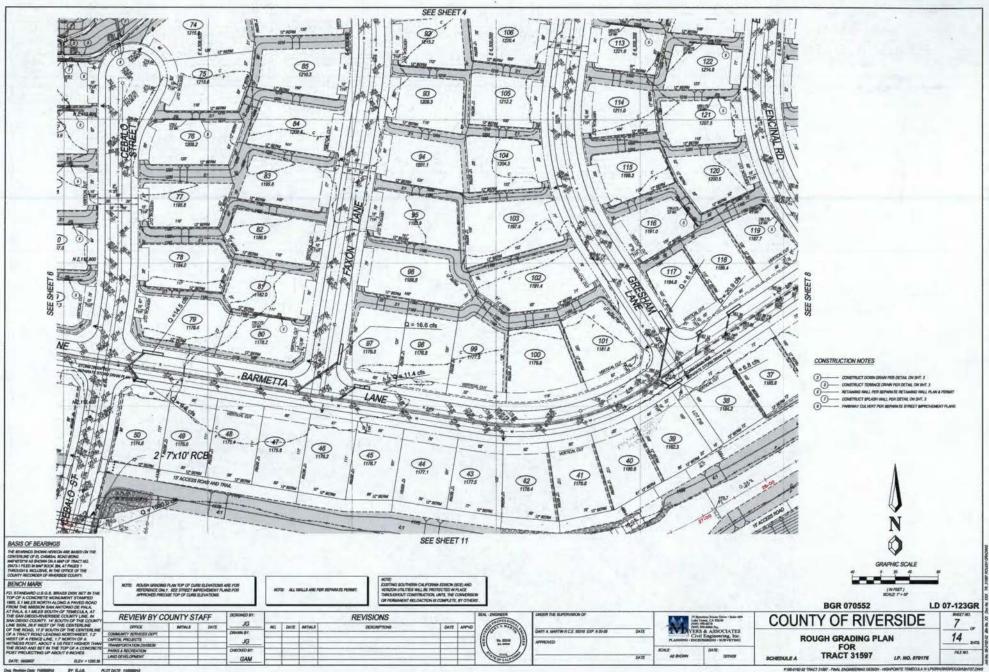


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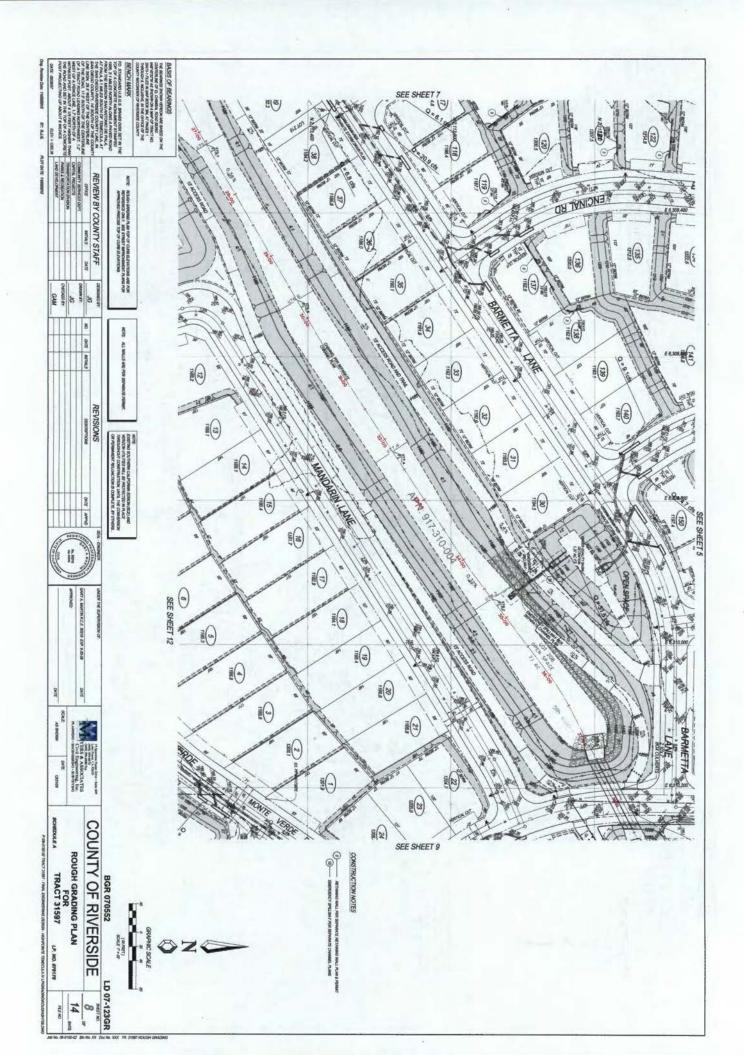


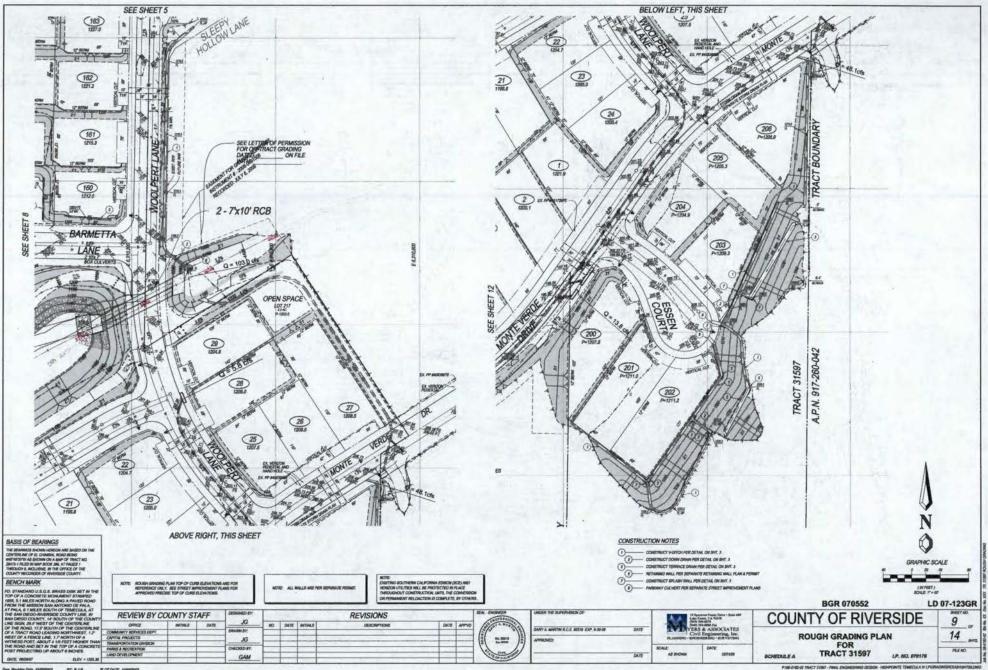
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РЕВАЛИТИ ПИСТ SUBT - FRACE ENCINEERING DESIGN - HIGHPOINTE TEMECULA IN UPDRAGHOMOLIGHES

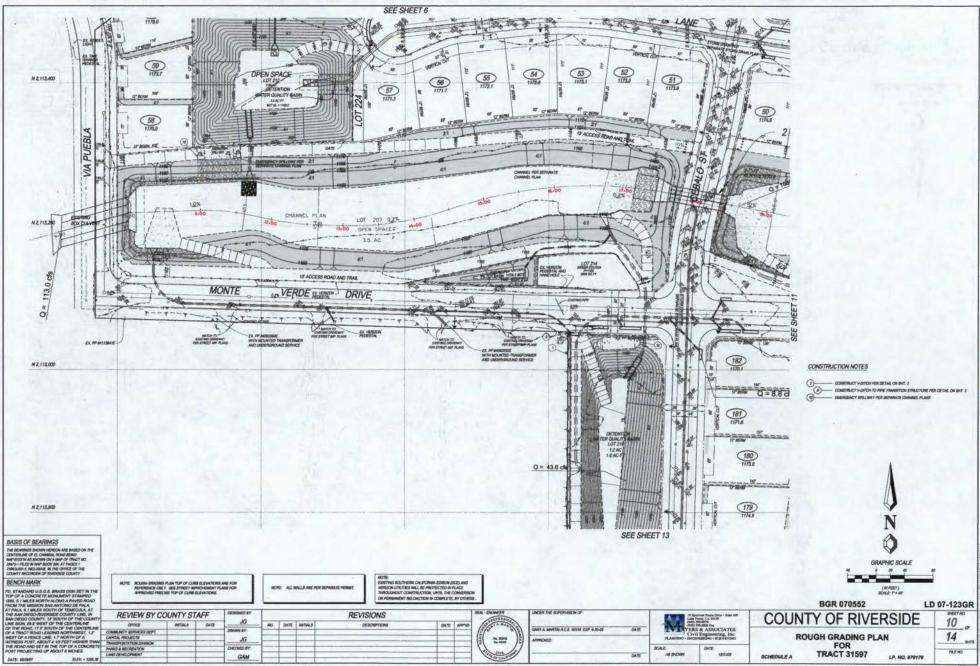


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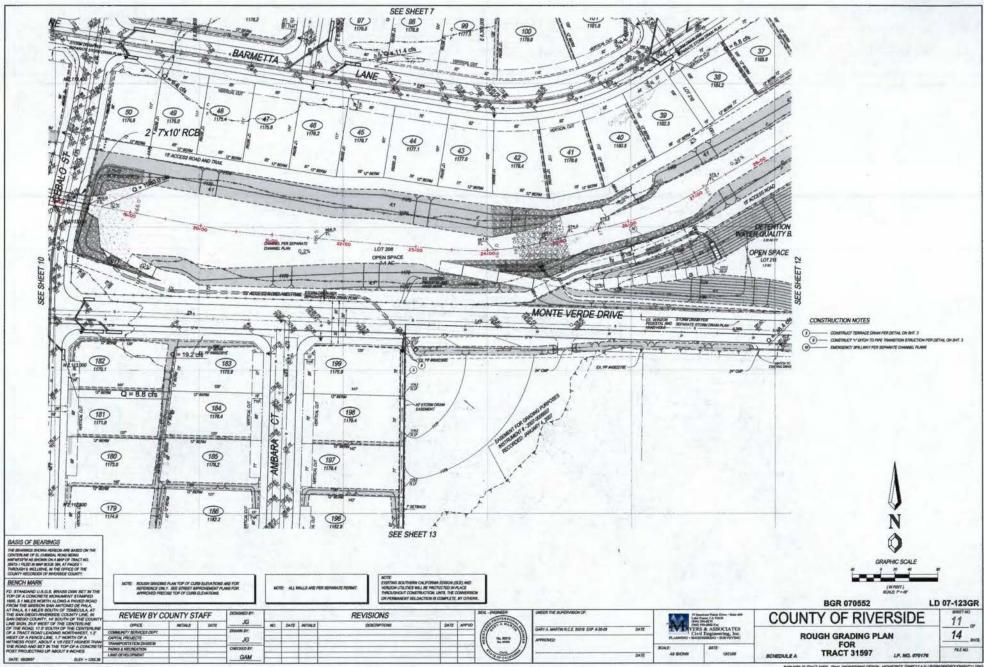


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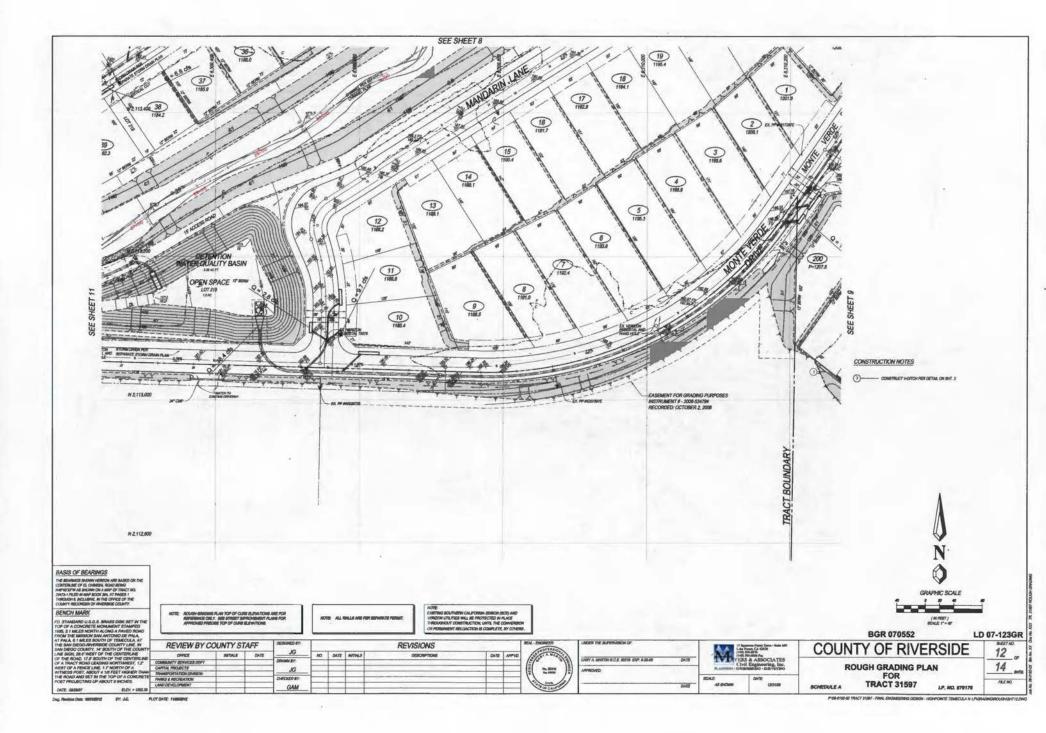
Dog Anister Dels: Fallights SY: R.L.G. PLOTON'S FARBORIS

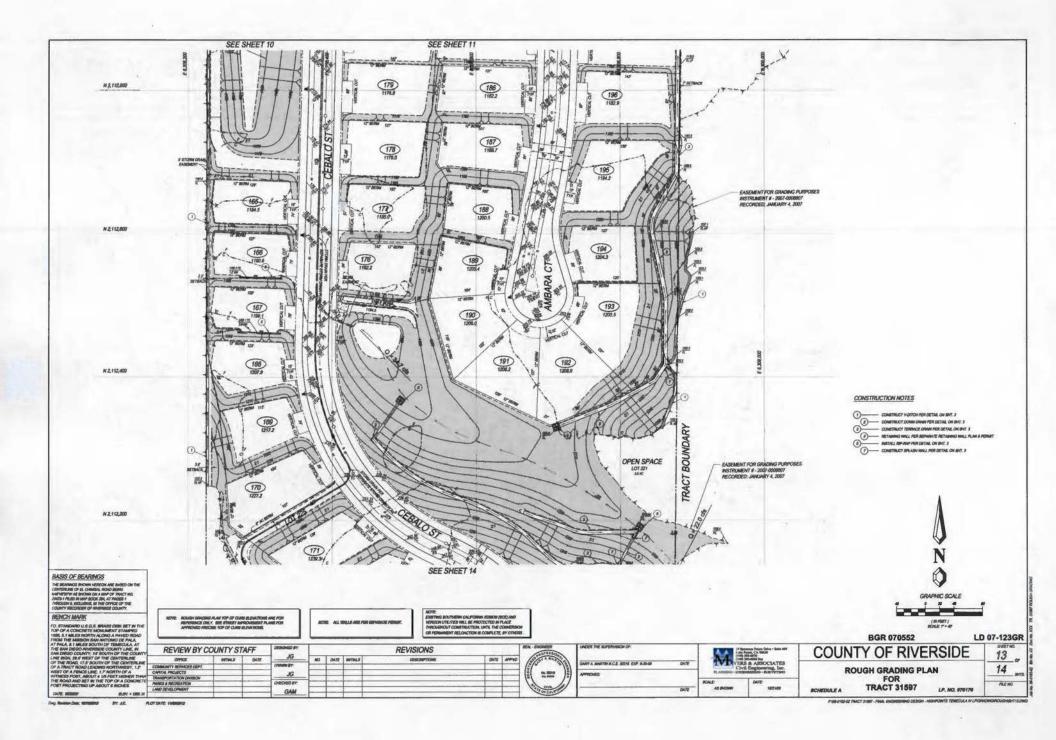
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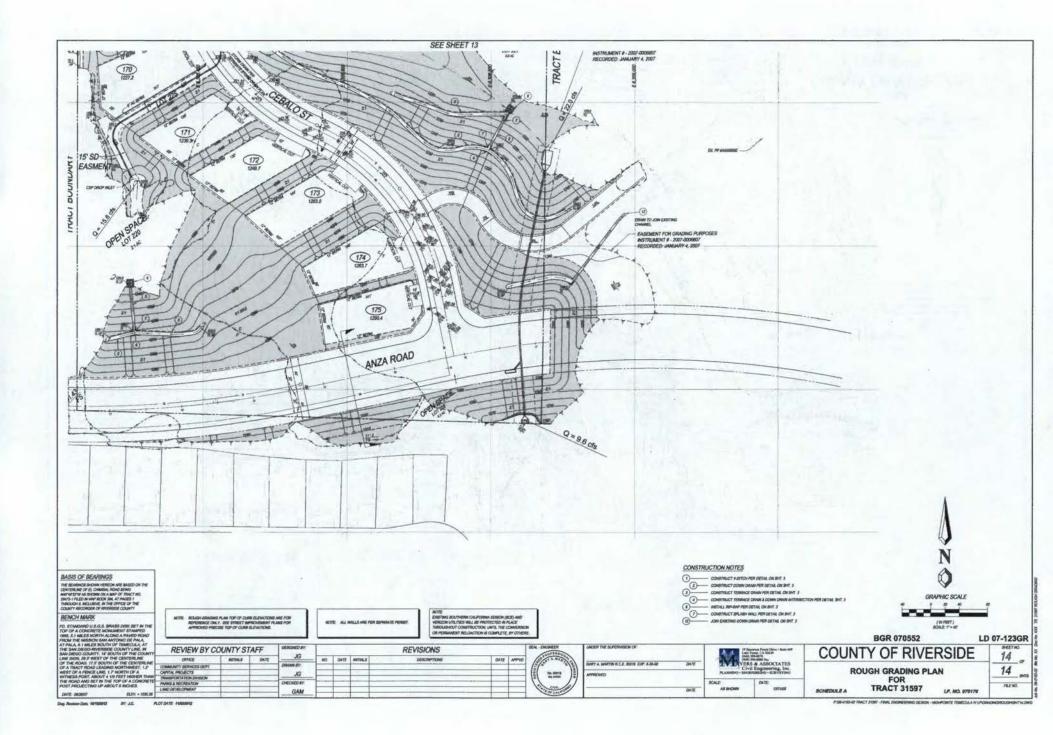


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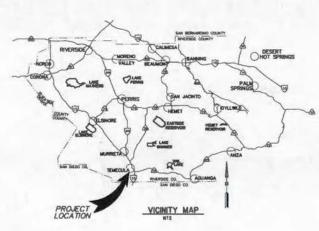
Равола 42 Лакат зная - Ранк, вианевных ревкин - наначных полеских и гран











TITLE SHEET DETARS . 2 CHAINEL PLAN & PROFILE 3.4 CHANNEL CROSS-SECTIONS 7.8 7'X0' CLE VERT STRUCTURAL 9-12 R.C.F.C. & W.C.D. STANDARD DRAWINGS

SHEET NO.

INPROVEMENT

DRAW

AND STORM

NNEL

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No.

S.

INDEX

CH 326 CUT-OFF WALL HEADWALL FENCE M 801

M 80 CHAMLINK FENCE

CALTRANS STANDARD DRAWINGS

0800 7.00% & 10.00% R.L. BOX PIPE CULVERT-HEADWALLS, ENDWALLS & WARPED WINDWALLS 084

LEGEND OF ABBREVIATIONS & SYMBOLS

15.	AULONS SETTINGY LINE		AREA URAN	47.5	MOT TO SCALE		SHEET FLOW PATE	
ave	BEDN VERTICAL CUTYE	CT1	GATON BASIN & LOCAL	Pa	PAD ELEVATION	*****	SOLID OF SCHEER WALL	
2507	REDOK WALL FENCE		DEPARTSODA	P1	POINT OF INTERSECTION	0	STREET LARYT	
ter .	DEEPENED FOOTBIL	-4-4-	CENTERLINE	10	POWER POLE	n	SUBORAN	
007	CHINEWAY		DAVENINT LINE	NE	PUBLIC VITLITY CAREMENT	-		
P	EDUC OF PAYEMENT	1 3	DEDPEN FOOTHIN	-	POWDY BRADE		SWALE HON POINT	
EVC.	END VERTICAL CUTVE	* *	15	THE	TEMPORARY BENCH MARK	-9-9-	TOP OF SLOPE	
17	FINESH FLOOR ELEV.	- 1001	EXISTING CONTOLIR	re	TOP OF CURP	and an all and	THE OF SLOPE	
15	FINISH MADE		FRE HYDRANT	10	TOP OF FOOTBIE FLEY		WATER METER	
n	FLOWLINE FLEY.		FLOWENE	10	TOP OF BRATE		TRACT DOLADARY	
12	FRESH SURFACE		BRADED EWALE	174	TOP OF PAVENENT		OUT FEL LINE	
	OPAGE BITAN		PROPERTY LAEALOT LAE	78	TOP OF WALL ELEY.		TOP OF WALL ELEV.	
111	BARASE FRESH FLOOR		PROPOSED CONTOUR	-	EXISTING ELEVATION	•	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
	HOH PONT		HE TANKIN MALL	TH.M.	PUTURE CLEVATION			
-	AVENT OF URAM		RIGHT OF MAY					
4	LENGTH	100	TO BE RENOVED					,

NOTICE TO CONTRACTOR:

an'i Die Libill Tan Call U.S.A. Tall Free

-800-227-260

int.

NOTICE TO CONTRACTOR: CONTRACTOR: CONTRACTOR ADRESS HE SHALL ASSUME SOLE AND COMPLETE RESPONSEDLITY FOR JOB SITE CONSTIONS DURING THE COURSE OF CONSTRUCTION OF THES PROJECT. NICLIONS SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQURPENT SHALL APPLY CONTRACTORS AND TROPERTY. CONTRACTOR SHALL DEFINING, RECENTY AND HOLD THE OWNER, THE ENGINEER, AND THE R.CF.C. B W.C.D. AND GUITACTOR SCHEMET SHALL DEFINING FOR ULABLITY ARRING FROM SOLE HECLIGENCE OWNER, LONGERE, OH R.CF.C. B W.C.D. AND R.CT.D. STYCTMO INFEREDOLUME ITTE TEE APPL AS FER AVAAL BEF

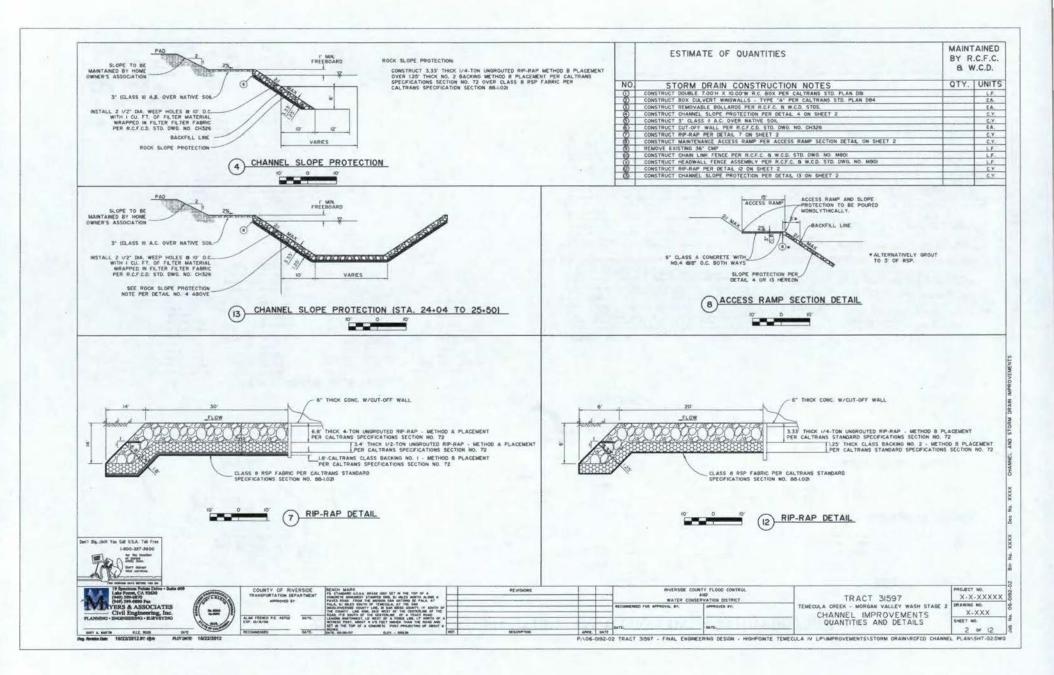
EXISTING UNDERGROUND UTEITES ARE AS PER AVAILABLE RECORDS THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERFYING THE ACTUAL LOCATION AND ELEVATION IN THE FIELD

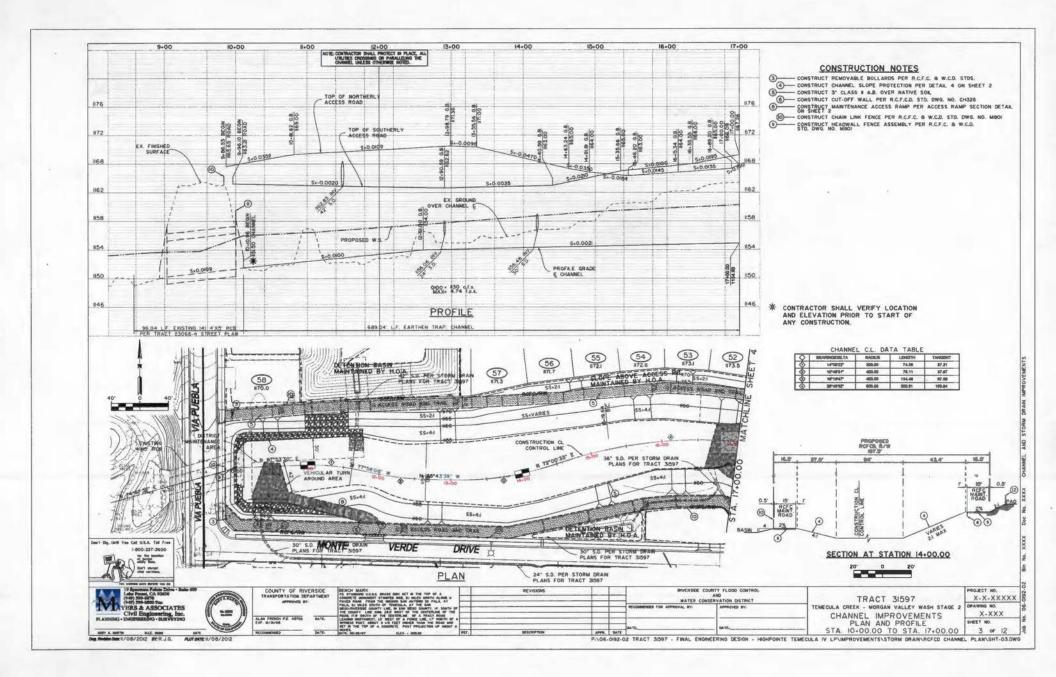
GENERAL NOTES

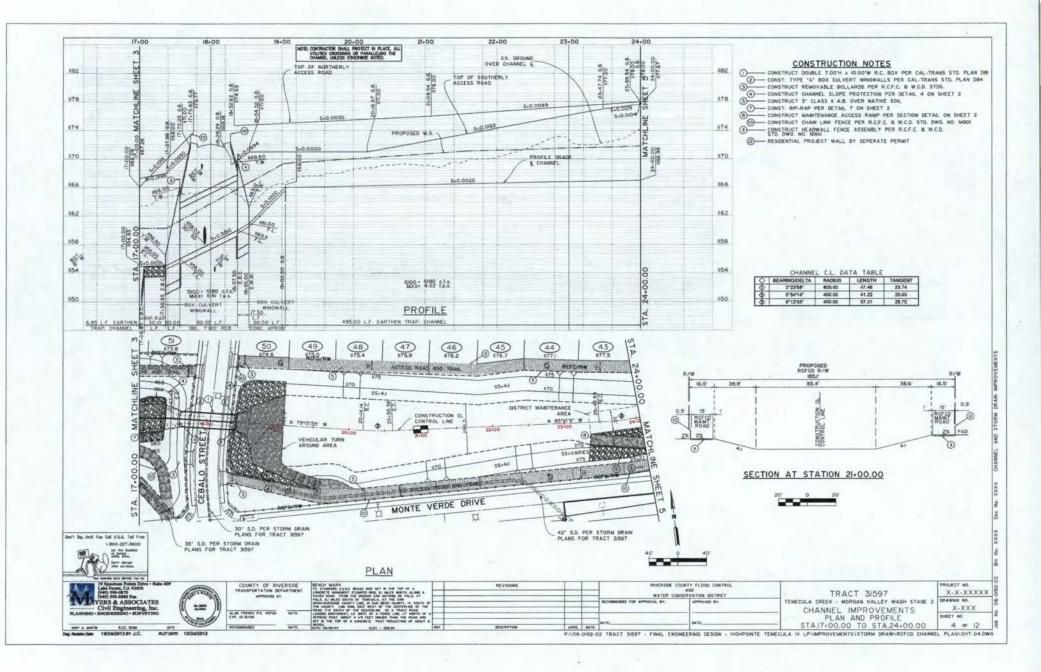
- L THE CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL BUPPOYEMENTS SHOWN ON THE DRAWNOS IN CONFORMANCE WITH THE REQUERENTS OF THE REVERSE CONNYTY FLOOD CONTING, AND WATTR COMPRENIENDING STATES SHOWN MANNAL STANDARD ORANNESS DATED APPL 2004.
- 2 IF AN ENCROACHMENT PERMIT IS REQUIRED FROM RIVERSDE COUNTY FLOOD CONTROL, THEN CONTACT TO LOTZ AT 90-950-2546, AFTER THE PERMIT IS ISSUED THE DISTINCT MUST BE MOTFED DWEEK PRIOR TO CONSTITUCTION
- CONSTRUCTION MSPECTION WILL BE PERFORMED BY RIVERSDE COUNTY FLOOD CONTROL. CONTACT KENT ALLEN AT 99-956-200. THE DISTINCT MUST BE NOTIFIED TWENTY (20) DAYS PHOR TO CONSTRUCTION.
- 4. ALL STATIONING REFERS TO CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED.
- 5. STATIONING FOR LATERALS AND COMMECTOR PIPE REFER TO THE CENTERLINE CENTERLINE INTERSECTION STATION.
- 6. FORTY-EIGHT 148 HOURS BEFORE EXCAVATION, CALL UNDERGROUND SERVICE ALERT 1-800-227-2600.
- 7. ALL ELEVATIONS SHOWN ARE IN FEET AND DECIMALS THEREOF BASED ON U.S.C. 8 GS DATIM
- & ALL CROSS SECTIONS ARE TAKEN LOOKING DOWNSTREAM
- 9. ELEVATIONS OF UTLITES ARE APPROXIMATE UNLESS OTHERWISE NOTED.
- 10. OPENINGS RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SMILLAR STRUCTURES TO BE ABANDONED SHALL BE SEALED WITH & OF CLASS 'B' CONCRETE.
- & PIPE CONNECTED TO THE MAINLINE PIPE SHALL CONFORM TO JUNCTION STRUCTURE NO. 4 JJS 2291 UNLESS OTHERWISE NOTED.
- 12 PRF BERDING SHALL CONFORM TO ROFC & WOD STD. DOWGL NO. MUG EXCEPT FOR COVER 42 FEET. FOR COVER 42 FEET, COMCRETE SLURRY ROOD pui 2 SADOI SHALL BE USED. THE ENTRE TRENCH SHALL BE SLURRY EXTENDED 4 MICHES MANDAU AND 24 MICHES MAXIMON ADDRET THE TOP CO. THE FORCE.

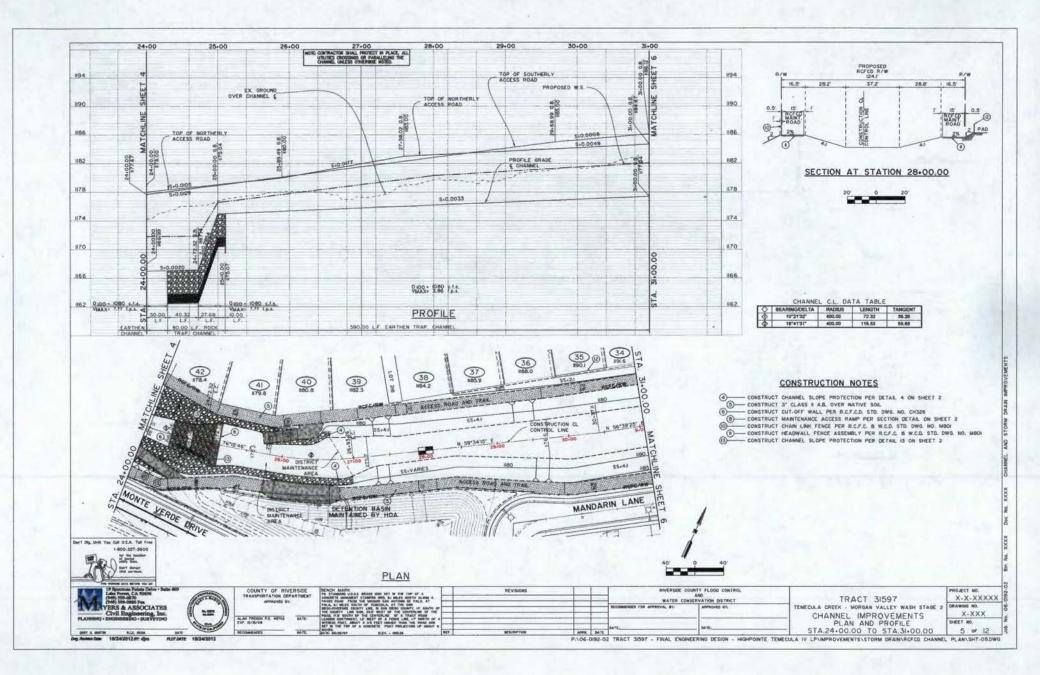
- IS. BA-2 BRICATES SOL BORING LOCATIONS BASED ON THE SOLS REPORT DATED 1/25/2006. LOCATIONS SHOWN ARE APPROXIMATE.
- "HE IS THE DEPTH OF CATCH BASINS MEASURED FROM THE OUTTER FLOWLINE TO INVERT OF COMMECTOR PIPE.
- IS CATCH BASING SHALL BE LOCATED SO THAT LOCAL DEPRESSION SHALL BEON AT EXISTING CURB RETURN JOINT, UNLESS OTHERWISE SPECIFIED.
- ALL CURBS, GUTTERS, SOEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED IN HIND AND AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS WILLESS OTHERMISE NOTED.
- STANDARD DRAWNOS CALLED FOR DN THE PLAN AND PROFILE SHALL CONFORM TO DISTRICT STANDARD DRAWINGS UNLESS NOTED DTHERWISE.
- IS THE CONTRACTOR IS REQUIRED TO CALL ALL UTLITY ADENCES REGARDING TEMPORAR REGIMENTATION AND SUPPORT REQUIREMENTS FOR THE VARIOUS UTLITY LIKES SHOWN ON THESE PLAKS.
- ID. DURING ROUGH DRADBIG OPERATIONS AND PRIOR TO CONSTRUCTION OF PERMANENT DRADADE STRUCTURES, TEMPORARY DRADADE CONTROL, SHOULD BE PROVIDED TO PREVENT PORDING WAITER AND DAMAGE TO ADJACENT PROPERTIES. PONDING WATER AND DAMAGE TO ADJACENT PROPERTIES.
- 20. APPROVAL OF THESE PLANS BY THE RIVERSEE COURTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT DOES NOT RELIEVE THE DEVELOPER'S ENGINEER OF RESPONSION SPALITY FOR THE ENCOMEERING DESIGN. IF FELD CHANGES ARE REQUIRED, IT WILL BE THE RESPONSIBILITY OF THE DESIGN ENOMEER TO MAKE THE RECESSARY CORRECTIONS.
- 2. THE CONTRACTOR OR DEVELOPER SHALL SECURE ALL REQUIRED ENCROACHMENT AND/OR STATE AND FEDERAL REGILATORY PERMITS PROR TO THE COMMENCEMENT OF ANY WO
- 22. CHANNEL LENGTHS ARE HORIZONTAL PROJECTIONS MOT TRUE LENGTHS OF CHANNELL AND ARE THE BASIS OF THE ESTIMATES OF QUANTITIES. THE CONTRACTOR SHALL DETERMINE THE TRUE QUANTITY OF CHANNEL REQUIRED FOR THES PROJECT PRIOR TO CONSTRUCTION.
- 23. THE CONCRETE COVER ON THE RESER OF ALL RENFORCED CONCRETE PIPES MUST BE THE CONSISTS CONSISTS OF A LOCATE OF A LOC

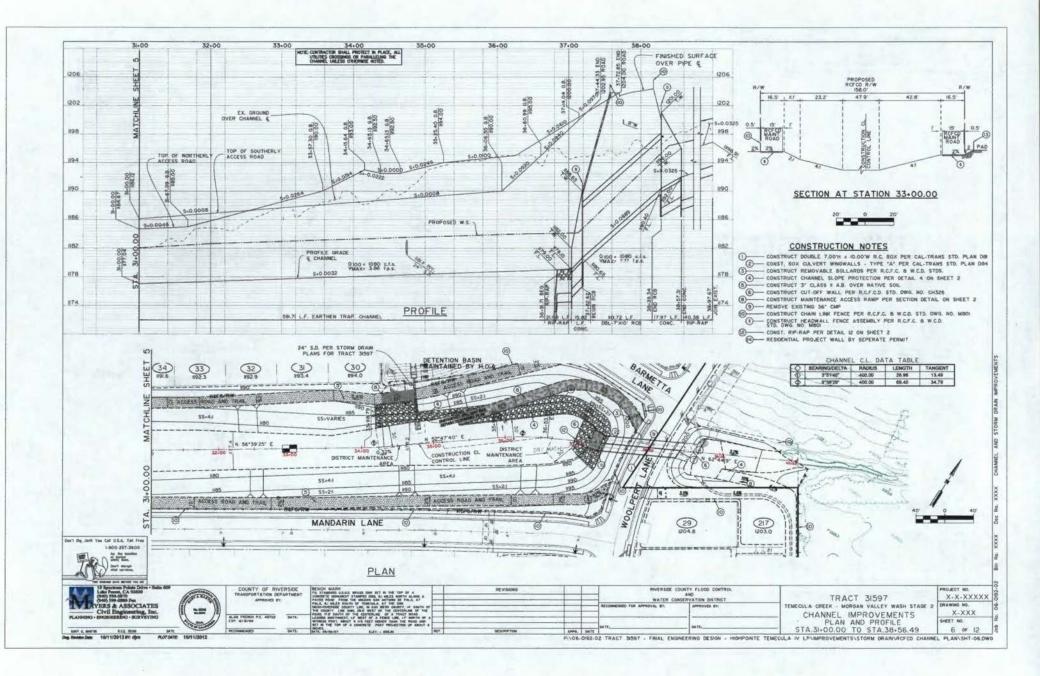
19 Spratner Polan Drive - Sain 608	CONTRACT OF THE OWNER	COUNTY OF RIVERSIDE	BENCH MARK		REVISIONS			RIVERSIZE COUNTY FLOOD CONTROL			PROJECT NO.	
(040) 200-0020 (040) 200-0040 Pat	(and a start of a	APROVED BY		CONCRETE MINAMORT STANFED AND ALLS MORTH ALANA AT				_	WATER CONSERVATION DISTRICT		TRACT 31597	X-X-XXXXX
VIXYERS & ASSOCIATES Civil Engineering, Inc.		100,0085,000		PALE, 6, 46,25 SOUTH OF TEREDILE, AT THE SHA BEDO-RIVERSHE COUNTY LHE, IN SAM MENS COUNTY, IF BOUTH OF THE COUNTY LHE BIOR SHE WET OF THE CONTENTS OF THE				-	RECOMMENSES FOR APPROVAL BT	APPROVED BY:	TENESSER STEET - HOTONA TREET HAST STADE &	DRAWING NO.
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	an an	RECOMMENCED	DATE.	HET IN THE TOP OF A COMMETE POLY PROJECTING UP ABOUT & ADDRES. BATE ADDRESS BATE DATE DATE ADDRESS	Ner.	urscar from		Batte:	94TE	041EL	TITLE SHEET	1 or 12

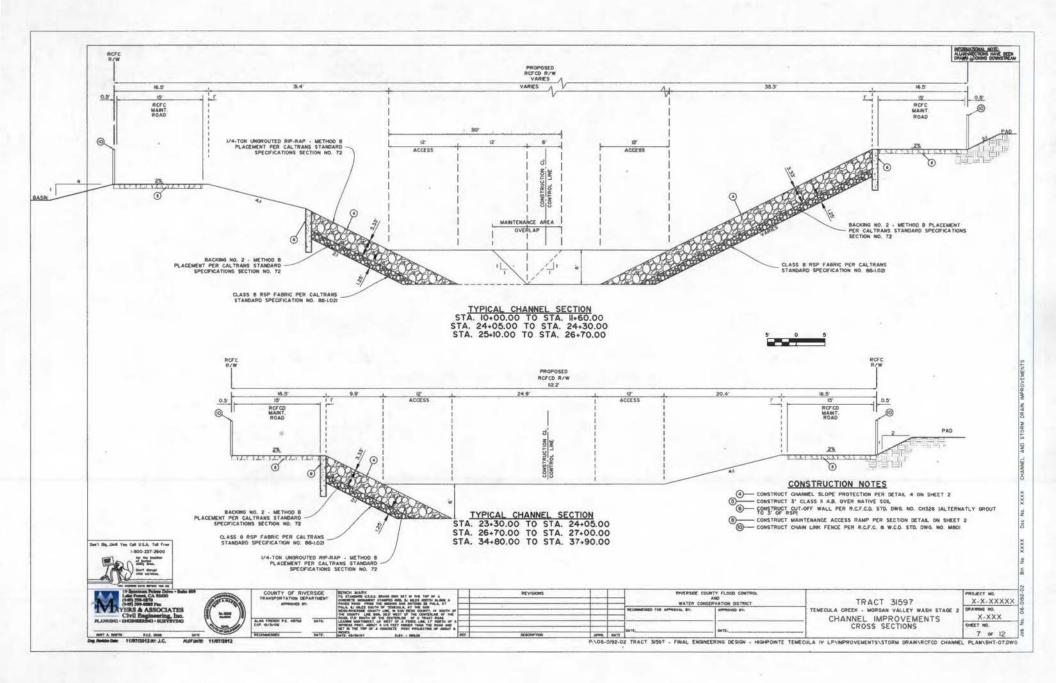


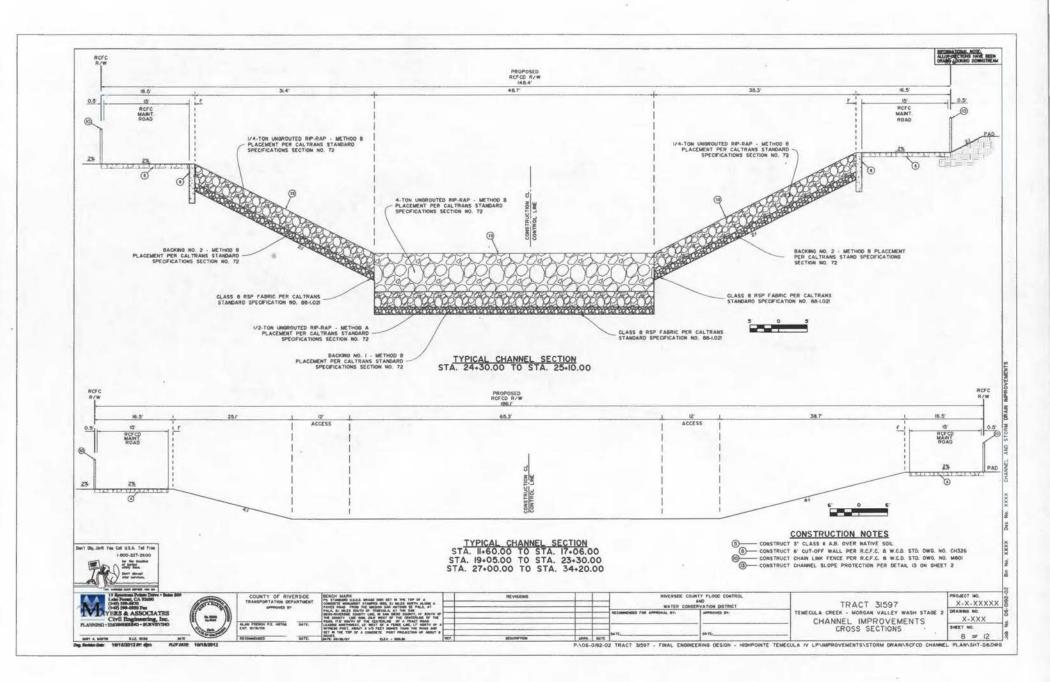






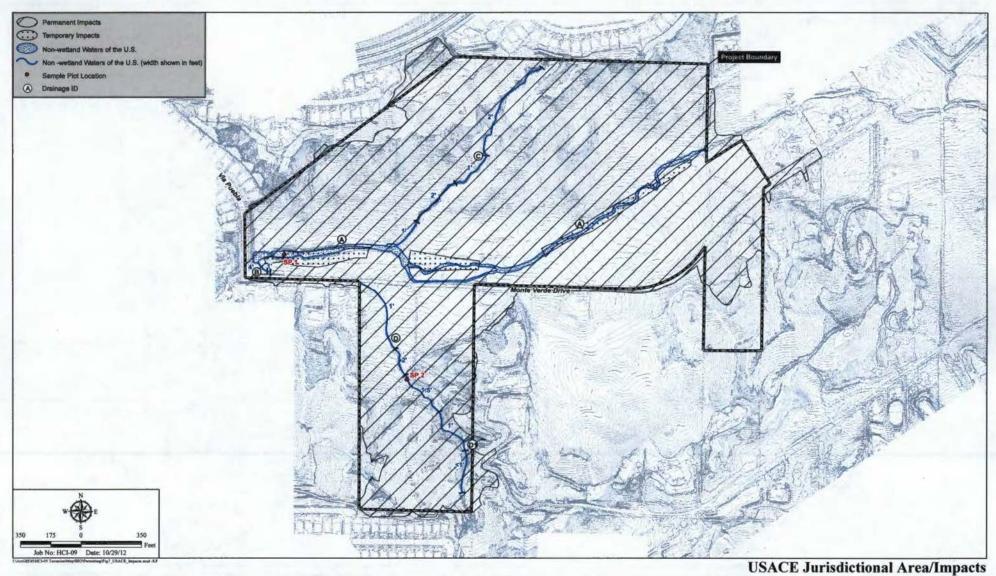






Standard Pacific Homes Terracina Project Certification No. R9-2013-0008

ATTACHMENT 4 MITIGATION FIGURES

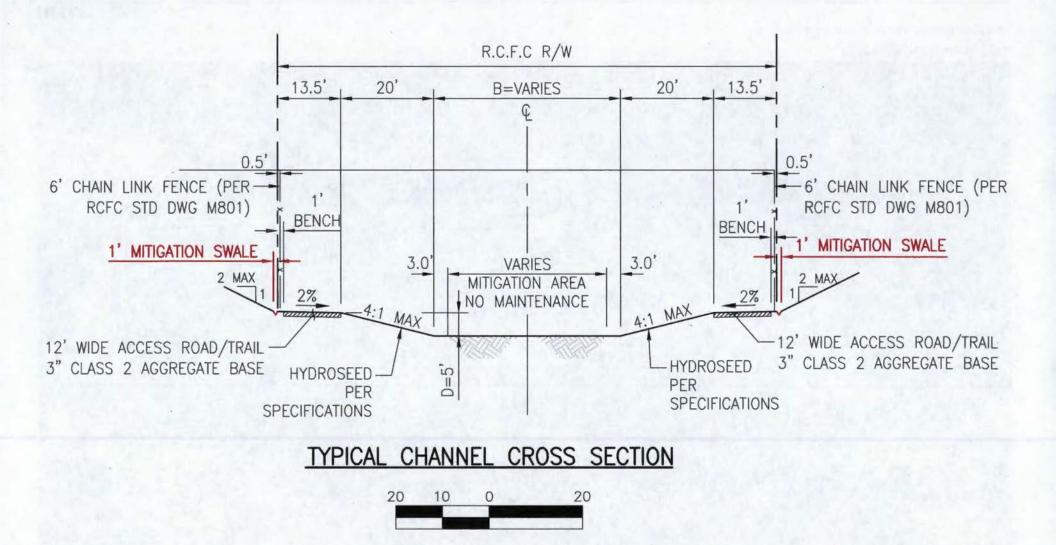


HELIX

TERRACINA - TRACT 31597

Figure 7



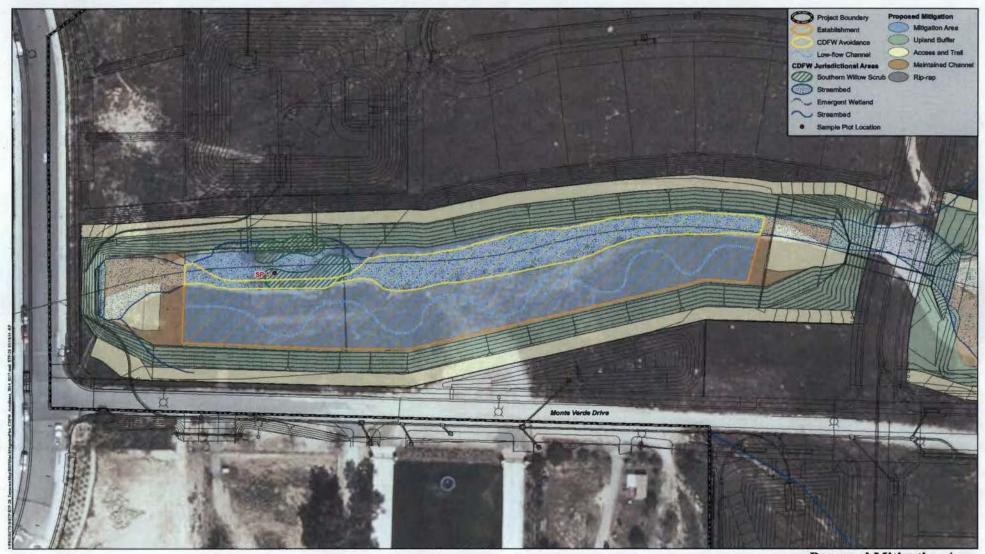




Proposed Mitigation Area

TERRACINA TRACT 31597 AND ATHERTON TRACT 32627

Figure 5



Proposed Mitigation Area

TERRACINA TRACT 31597 AND ATHERTON TRACT 32627

HELIX A