



California Regional Water Quality Control Board San Diego Region



Linda S. Adams
Secretary for
Environmental Protection

Over 50 Years Serving San Diego, Orange, and Riverside Counties
Recipient of the 2004 Environmental Award for Outstanding Achievement from USEPA

Edmund G. Brown Jr.
Governor

9174 Sky Park Court, Suite 100, San Diego, California 92123-4353
(858) 467-2952 • Fax (858) 571-6972
[http:// www.waterboards.ca.gov/sandiego](http://www.waterboards.ca.gov/sandiego)

February 17, 2011

Certified Mail – Return Receipt Requested
Article Number: 7010 1060 0000 4952 5910

Corey Wallace
Rancho California Water District
42315 Winchester Road
P O Box 9017
Temecula, CA 92589

In reply refer to:
Place ID: amonji: 756108

Dear Mr. Wallace:

Subject: Action on Request for Clean Water Act Section 401 Water Quality Certification for the **Pauba Road Pipeline Inter-Tie (Project D1555)** Water Quality Certification No. **10C-071**.

Enclosed find Clean Water Act Section 401 Water Quality Certification for discharge to Waters of the U.S. and **acknowledgment of enrollment under State Water Resources Control Board Order No. 2004-004-DWQ for discharge to non-federal Waters of the State** for the **Pauba Road Pipeline Inter-Tie (Project D1555)** (Project).

A description of the project and project location can be found in the project information sheet, project location map, and project site maps which are included as Attachments 1 through 5.

Any petition for reconsideration of this Certification must be filed with the State Water Resources Control Board within 30 days of certification action (23 CCR § 3867). If no petition is received, it will be assumed that you have accepted and will comply with all the conditions of this Certification.

Failure to comply with all conditions of this Certification may subject you to enforcement actions by the San Diego Water Board, including administrative enforcement orders requiring you 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 \$5,000 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 the requested **"In reply refer to:"** information located in the heading of this letter. For questions pertaining to the subject matter, please contact Alan Monji at (858) 637-7140 or amonji@waterboards.ca.gov.

Respectfully,



DAVID W. GIBSON
Executive Officer

Enclosures:

Clean Water Act Section 401 Water Quality Certification No. **10C-071** for **Pauba Road Pipeline Inter-Tie (Project D1555)** project, with **5** attachments

cc: Refer to Attachment 2 of Certification **10C-071** for Distribution List.

Tech Staff Info & Use	
File No.	10C-071
WDID	9000002126
Reg. Measure ID	375544
Place ID	756108
Party ID	524254
Person ID	524255



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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: Pauba Road Pipeline Inter-Tie (Project D1555), Certification Number 10C-071
WDID: 9 00002126

APPLICANT: Corey Wallace
Rancho California Water District
42315 Winchester Road
P.O. Box 9017
Temecula, CA 92589

CIWQS Reg. Meas. ID: 375544 Place ID: 756108 Party ID: 524254
--

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 checked="" type="checkbox"/> Enrollment in Isolated Waters Order No. 2004-004 DWQ

PROJECT DESCRIPTION:

The project is located in the City of Temecula in Pauba Valley where Pauba Road crosses Temecula Creek. The site is located approximately ¼ mile southeast of the intersection of Pauba Road and De Portola Road. The project proposes to construct approximately 750 lineal feet of 12-inch diameter cement mortar lined and coated steel potable water inter-tie pipeline five feet below the surface. The waterline will connect the existing 12-inch diameter stubbed waterline near the water district's existing Well No. 110 to the existing 12-inch waterline near Well No. 123. Upon project completion, the four foot wide and five foot deep trench will be returned to pre-project contours. The project will temporarily impact 0.007 acres (340 linear feet) of non-wetland waters of the United States and 0.055 acres (750 linear feet) of waters of the State in Temecula Creek.

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our Web-site at <http://www.swrcb.ca.gov>.

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STANDARD CONDITIONS:

The following three standard conditions apply to all Certification actions, except as noted under Condition 3 for denials (Action 3).

1. This Certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to section 13330 of the California Water Code and section 3867 of Title 23 of the California Code of Regulations (23 CCR).
2. This Certification action is not intended and must not be construed to apply to any discharge from any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent Certification application was filed pursuant to 23 CCR subsection 3855(b) and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. The validity of any non-denial Certification action (Actions 1 and 2) must be conditioned upon total payment of the full fee required under 23 CCR section 3833, unless otherwise stated in writing by the certifying agency.

ADDITIONAL CONDITIONS:

In addition to the three standard conditions, Rancho California Water District must satisfy the following:

A. GENERAL CONDITIONS:

1. Water Quality Certification No. 10C-071 (Certification) is only valid if the project begins no later than 5 (five) years from the date of issuance. If the project has not begun within 5 years from the date of issuance, then this Certification expires.
2. Rancho California Water District must, at all times, fully comply with the engineering plans, specifications and technical reports submitted to the California Regional Water Quality Control Board, San Diego Region (San Diego Water Board), to support this Certification and all subsequent submittals required as part of this Certification and as described in Attachment 1. The conditions within this Certification must supersede conflicting provisions within such plans submitted prior to the Certification action. Any modifications thereto, would require notification to the San Diego Water Board and reevaluation for individual Waste Discharge Requirements and/or Certification amendment.

3. During construction, Rancho California Water District must maintain a copy of this Certification at the project site so as to be available at all times to site personnel and agencies.
4. Rancho California Water District must permit the San Diego Water Board or its authorized representative at all times, upon presentation of credentials:
 - a. Entry onto project premises, including all areas on which wetland fill or wetland mitigation is located or in which records are kept.
 - b. Access to copy any records required to be kept under the terms and conditions of this Certification.
 - c. Inspection of any treatment equipment, monitoring equipment, or monitoring method required by this Certification.
 - d. Sampling of any discharge or surface water covered by this Order.
5. Rancho California Water District must notify the San Diego Water Board within **24 hours** of any unauthorized discharge, including hazardous or toxic materials, to waters of the U.S. and/or State; measures that were implemented to stop and contain the discharge; measures implemented to clean-up the discharge; the volume and type of materials discharged and recovered; and additional best management practices (BMPs) or other measures that will be implemented to prevent future discharges.
6. Rancho California Water District must, at all times, maintain appropriate types and sufficient quantities of materials onsite 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.
7. This Certification is not transferable in its entirety or in part to any person except after notice to the Executive Officer of the San Diego Water Board in accordance with the following terms.
 - a. Transfer of Property Ownership: Rancho California Water District 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 Rancho California Water District 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 Executive Officer of the San Diego Water Board within **10 days** of the transfer of ownership.
 - b. Transfer of Mitigation Responsibility: Any notification of transfer of responsibilities to satisfy the mitigation requirements set forth in

Certification shall 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.

8. In the event of any violation or threatened violation of the conditions of this Certification, the violation or threatened violation must be subject to any remedies, penalties, process or sanctions as provided for under State law. For purposes of section 401(d) of the Clean Water Act, 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.
9. In response to a suspected violation of any condition of this Certification, the San Diego Water Board may require the holder of any permit or license subject to this Certification to furnish, under penalty of perjury, any technical or monitoring reports the San Diego Water Board deems appropriate, provided that the burden, including costs, of the reports must bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports.
10. In response to any violation of the conditions of this Certification, the San Diego Water Board may add to or modify the conditions of this Certification as appropriate to ensure compliance.
11. Rancho California Water District and successor owners must submit annual progress reports describing status of compliance with all requirements of this Certification to the San Diego Water Board prior to **August 1** of each year following the issuance of this Certification until the project has reached completion.

B. PROJECT CONDITIONS:

1. Prior to the start of the project, and annually thereafter, Rancho California Water District must educate all personnel on the requirements in this Certification, pollution prevention measures, spill response, and BMP implementation and maintenance.
2. Rancho California Water District must comply with the requirements of *State Water Resources Control Board Water Quality Order No. 2003-0017-DWQ*,

Statewide General Waste Discharge Requirements for Discharges of Dredged or Fill Material that have Received State Water Quality Certification. These General Waste Discharge Requirements are accessible at:
http://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/general_orders/go_wdr401regulated_projects.pdf.

3. Rancho California Water District must comply with the requirements of State Water Resources Control Board Water Quality Order No. 2004-0004-DWQ, *Statewide General Waste Discharge Requirements for Dredged or Fill Discharges to Waters Deemed by the U.S. Army Corps of Engineers to be Outside of Federal Jurisdiction*. These General Waste Discharge Requirements are accessible at:
http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2004/wqo/wqo2004-0004.pdf.
4. Rancho California Water District must notify the San Diego Water Board in writing at least **5 days** prior to the actual commencement of dredge, fill, and discharge activities.
5. The treatment, storage, and disposal of wastewater during the life of the project must be done in accordance with waste discharge requirements established by the San Diego Water Board pursuant to CWC § 13260.
6. Discharges of concentrated flow during construction or after completion must not cause downstream erosion or damage to properties or stream habitat.
7. 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 the State or placed in locations that may be subjected to storm flows. Pollutants discharged to areas within a stream diversion area must be removed at the end of each work day or sooner if rain is predicted.
8. All surface waters, including ponded waters, must be diverted away from areas undergoing grading, construction, excavation, vegetation removal, and/or any other activity which may result in a discharge to the receiving water. Diversion activities must not result in the degradation of beneficial uses or exceedance of water quality objectives of the receiving waters. Any temporary dam or other artificial obstruction constructed must only be built from materials such as clean gravel which will cause little or no siltation. Normal flows must be restored to the affected stream immediately upon completion of work at that location.
9. Substances hazardous to aquatic life including, but not limited to, petroleum products, raw cement/concrete, asphalt, and coating materials, must be prevented from contaminating the soil and/or entering waters of the United

States and/or State. BMPs must be implemented to prevent such discharges during each project activity involving hazardous materials.

10. Removal of vegetation must occur by hand, mechanically, or using EPA approved herbicides deployed using applicable BMPs to prevent impacts to Beneficial Uses of waters of the State. Removal of vegetation must occur outside of the avian nesting season (March 15- August 31).
11. Initiation of construction activities in Temecula Creek shall be avoided while surface water is flowing within the creek bed.

C. COMPENSATORY MITIGATION FOR LOSS OF WATERS OF THE U.S./STATE

1. Mitigation for temporary discharges to 0.007 acres (323 linear feet) of waters of the United States and to 0.055 acres (750 linear feet) waters of the State, must be achieved by the following:
 - a. The Rancho California Water District must restore all areas of temporary impacts and all other areas of temporary disturbance which could result in a discharge or a threatened discharge to waters of the United States/State. Restoration must include grading of disturbed areas to pre-project conditions. The Rancho California Water District must implement all necessary BMPs to control erosion and runoff from areas associated with this project.
2. For purposes of this Certification, establishment is defined as the creation of vegetated or unvegetated waters of the United States/State where the resource has never previously existed (e.g. conversion of nonnative grassland to a freshwater marsh). Restoration is divided into two activities, re-establishment and rehabilitation. Re-establishment is defined as the return of natural/historic functions to a site where vegetated or unvegetated waters of the United States/State previously existed (e.g., removal of fill material to restore a drainage). Rehabilitation is defined as the improvement of the general suite of functions of degraded vegetated or unvegetated waters of the United States/State (e.g., removal of a heavy infestation or monoculture of exotic plant species from jurisdictional areas and replacing with native species). Enhancement is defined as the improvement to one or two functions of existing vegetated or unvegetated waters of the United States/State (e.g., removal of small patches of exotic plant species from an area containing predominantly natural plant species). Preservation is defined as the acquisition and legal protection from future impacts in perpetuity of existing vegetated or unvegetated waters of the United States/State (e.g., conservation easement).

D. PHOTO DOCUMENTATION PROCEDURE

1. Rancho California Water District, and its successors, must conduct photo documentation of the project site, including all areas of permanent and temporary impact, prior to and after project construction, and mitigation areas, including all areas of permanent and temporary impact, prior to and after project construction. Photo documentation must be conducted in accordance with the State Water Resources Control Board Standard Operating Procedure 4.2.1.4: Stream Photo Documentation Procedure, included as Attachment Number 5. In addition, photo documentation must include Geographic Positioning System (GPS) coordinates for each of the photo points referenced. Rancho California Water District must submit this information in a photo documentation report to the San Diego Water Board with the Mitigation, Maintenance, and Monitoring reports (see Condition D.17). The report must include a compact disc that contains digital files of all the photos (jpeg file type or similar).

E. REPORTING:

1. All information requested in this Certification is pursuant to California Water Code (CWC) section 13267. Civil liability may be administratively imposed by the San Diego Water Board for failure to furnish requested information pursuant to CWC section 13268.
2. All reports and information submitted to the San Diego Water Board must be submitted in both hardcopy and electronic format. The preferred electronic format for each report submission is one file in PDF format that is also Optical Character Recognition (OCR) capable.
3. Rancho California Water District must submit a report to the San Diego Water Board within **the Final Project Annual Report (see Condition A.11)** of completion of the project. The report should include as-built drawings no bigger than 11" x 17" and photos of the completed project.
4. All applications, reports, or information submitted to the San Diego Water Board must be signed and certified as follows:
 - a. For a corporation, by a responsible corporate officer of at least the level of vice president.
 - b. For a partnership or sole proprietorship, by a general partner or proprietor, respectively.
 - c. For a municipality, or a state, federal, or other public agency, by either a principal executive officer or ranking elected official.
5. A duly authorized representative of a person designated in Items 4.a. through 4.c. above may sign documents if:

- a. The authorization is made in writing by a person described in Items 4.a. through 4.c. above.
 - b. The authorization specifies either an individual or position having responsibility for the overall operation of the regulated activity.
 - c. The written authorization is submitted to the San Diego Water Board Executive Officer.
6. All applications, reports, or information submitted to the San Diego Water Board must be signed and certified as follows:

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

7. Rancho California Water District must submit reports required under this Certification, or other information required by the San Diego Water Board, to:

Executive Officer
 California Regional Water Quality Control Board
 San Diego Region
 Attn: 401 Certification; Project No. 10C-071
 9174 Sky Park Court, Suite 100
 San Diego, California 92123

8. Required Reports: The following list summarizes the reports required per the conditions of this Certification to be submitted to the San Diego Water Board.

Report Topic	Certification Condition	Due Date(s)
Unauthorized Discharge	A.5	Within 24 Hours
Certification Transfer	A.7	Within 10 Days of Transfer
Annual Progress Reports	A.11	August 01 Annually
Commencement of Fill	B.3	5 Days Prior
Photo Documentation	D.1	Final Project Annual Report
Project As-Builts	E.3	Final Project Annual Report

CEQA FINDINGS:

1. The Rancho California Water District is the lead agency under the California Environmental Quality Act (Public Resources Code section 21000, et seq.,

(CEQA)), and determined on March 25, 2010, that the Project is statutorily exempt.

2. A Notice of Exemption was filed on April 12, 2010. The San Diego Water Board has reviewed the Notice of Exemption and also finds that the project as proposed will not have a significant effect on the environment with incorporation of mitigation measures. The San Diego Water Board therefore determines that issuance of this Certification is consistent with the Notice of Exemption.

PUBLIC NOTIFICATION OF PROJECT APPLICATION:

On August 17, 2010 receipt of the project application was posted on the San Diego Water Board web site to serve as appropriate notification to the public. No comments were received for this project.

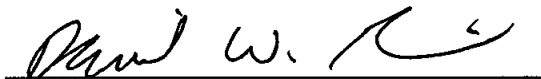
SAN DIEGO WATER BOARD CONTACT PERSON:

Alan Monji
California Regional Water Quality Control Board, San Diego Region
9174 Sky Park Court, Suite 100
San Diego, CA 92123
858-637-7140
amonji@waterboards.ca.gov

WATER QUALITY CERTIFICATION:

I hereby certify that the proposed discharge from Main Street Bridge Replacement Project (Project No. 10C-065) 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)" and No. 2004-0004-DWQ "Statewide General Waste Discharge Requirements for Dredged or Fill Discharges to Waters Deemed by the U.S. Army Corps of Engineers to be Outside of Federal Jurisdiction" 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 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 and all proposed mitigation being completed in strict compliance with the applicants' project description and/or on the attached Project Information Sheet, and (b) on compliance with all applicable requirements of the Water Quality Control Plan for the San Diego Basin Region (9) (Basin Plan).



DAVID W. GIBSON
Executive Officer
Regional Water Quality Control Board

2/17/11
Date

- Attachments:
1. Project Information
 2. Distribution List
 3. Project Location
 4. Site Maps
 5. Photodocumentation Procedure

Attachment 1

Project Identifiers	
WDID No:	9000002126
Reg. Meas. ID:	375544
Place ID:	756108
Party ID:	524254
USACOE No:	NWP 12
Other File No:	10C-071

PROJECT INFORMATION	
Details	
Application Received Date:	08/13/2010
Application Completed Date:	09/15/2010
Additional Info Completed Date:	09/07/2010 and 09/15/2010
Applicant:	Corey Wallace Rancho California Water District 42315 Winchester Road P.O. Box 9017 Temecula, CA 92589
Applicant Representative(s):	Paul Principe Principe and Associates 40335 Winchester Road, Suite E-110 Temecula, CA 92591
Project Title:	Pauba Road Pipeline Inter-Tie (Project D1555)
Regulating Water Board:	Region 9
Type of Project:	Utilities, support facilities (small).
Project Description:	
<p>The project is located in the City of Temecula in Pauba Valley where Pauba Road crosses Temecula Creek. The site is located approximately ¼ mile southeast of the intersection of Pauba Road and De Portola Road. The project proposes to construct approximately 750 lineal feet of 12-inch diameter cement mortar lined and coated steel potable water inter-tie pipeline five feet below the surface. The waterline will connect the existing 12-inch diameter stubbed waterline near the water district's existing Well No. 110 to the existing 12-inch waterline near Well No. 123. Upon project completion, the four foot wide and five foot deep trench will be returned to pre-project contours. The project will temporarily impact 0.007 acres (340 linear feet) of non-wetland waters of the United States and 0.055 acres (750 linear feet) of waters of the State in Temecula Creek.</p>	
Location	
City:	Temecula
County:	Riverside
Cross Streets:	Pauba Road and De Portola Road
Section, Township, Range:	Section 6, Township 8 South, Range 1 West
Zip code:	92592
Directions:	Exit Interstate 15 at California Highway 79. Go east on Highway 79 (Temecula Parkway) for approximately 6.5 miles and turn north on Pauba Road. Go approximately 2 miles north on Pauba Road. Project location is where Pauba Road crosses Temecula Creek.
Latitude(s) and Longitude(s):	33.50, -117.02
Public Notice	
Water Board Public Notice: Information regarding this project was noticed on the San Diego Water Board's	

website from August 17, 2010 to present.

✓✓ No Comments were received. Comments were responded to in writing.

Fees

Application Fee Provided: A certification fee of \$659.00 was submitted on August 13, 2010 as required by 23 CCR §3833b(2)(A) and by 23 CCR § 2200(e). An additional fee of n/a (IF APPLICABLE) to offset additional design impacts was received on _____ as required by 23 CCR §3833b(2)(A) and by 23 CCR § 2200(e).

Hydrologic Information

Receiving Water(s):	Temecula Creek
Hydrologic Unit(s):	902.51, Pauba HSA
Water Body Type(s):	Streambed

Designated Beneficial Use(s)

✓	AGR		COMM		FRSH		MIGR		RARE		SPWN		
	AQUA		CUL	✓	GWR	✓	MUN	✓	REC-1	✓	WARM		
	ASBS		EST	✓	IND		NAV	✓	REC-2		WET		
	BIOL		FISH		LWRM		POW		SAL	✓	WILD		
	COLD		FLD		MAR	✓	PRO		SHELL		WQE		

Candidate, Sensitive, or Special Status Species

None

Other Permits/Licenses/Agreements/Plans

Federal (Type and Permit/License Number):

U.S. Army Corps, Nation Wide Permit 12

State (Type and Permit/License/Agreement Number):

Department of Fish and Game Streambed Alteration notification.

Other County, City, etc. (Type and Permit/License Number):

Riverside County, Encroachment permit

Any/Required Documents or Plan Submittals (SWPPP, Mitigation & Monitoring, etc.)

None



NEPA and/or CEQA Compliance

Document type:	Notice of Exemption
Lead Agency:	Rancho California Water District
Date completed:	April 13, 2010
State Clearinghouse Number:	

IMPACTS

Describe Potential Water Quality Impacts:

Potential impacts from construction activities are from the excavation and fill of the trench for the pipeline. If work is done during the rainy season, there is potential for silt and sediment run-off entering into Temecula Creek.

Final Project Impacts (Fill)*

Waterbody Type	Permanent			Temporary		
	Acres**	Linear Feet	Cubic Yards	Acres**	Linear Feet	Cubic Yards
Lake						
Ocean						
Riparian						
Streambed				0.007/0.055	340/750	15,000
Vernal Pool						
Wetland						

* Include all three measurements (acres, linear feet and cubic yards) for all federal and non-federal waterbody types.
 ** Provide acres to three decimal places (e.g., 0.006).

Final Project Impacts (Dredge*/Excavation)**

Waterbody Type	Permanent			Temporary		
	Acres***	Linear Feet	Cubic Yards	Acres***	Linear Feet	Cubic Yards
Lake						
Ocean						
Riparian						
Streambed						
Vernal Pool						
Wetland						

* For projects that will occur annually please provide the total volume to be dredged for the entire certification period (typically 5 years).
 ** Include all three measurements (acres, linear feet and cubic yards) for all federal and non-federal waterbody types.
 *** Provide acres to three decimal places (e.g., 0.006).

Impact Comparison*

	Fill				Dredge			
	Permanent		Temporary		Permanent		Temporary	
	Initial	Final	Initial	Final	Initial	Final	Initial	Final
Impacts (Acres)**								

* Include impacts to both federal and non-federal waters.
 ** Provide acres to three decimal places (e.g., 0.006).

11-01-10

MITIGATION

Describe Avoidance and Minimization for Impacts to Waters:

The pipeline project impacts are unavoidable but only temporary. The pipeline alignment is a straight line through the narrowest part of the jurisdiction. The jurisdiction coincides with an existing roadway. The 4ft wide and 5 ft deep trench necessary to install the pipeline is the minimum space that can be used under safe work conditions. The project will temporarily impact 0.007 acres (340 linear feet) of non-wetland waters of the United States and 0.055 acres (750 linear feet) of waters of the State in Temecula Creek.

If work is done during the rainy season, Best Management Practices will be used to prevent storm water run-off from entering Temecula Creek.

At the completion of the work, the temporary impact area will be re-contoured to preproject conditions.

Describe Compensatory Mitigation for Impacts to Waters (temporary and permanent):

None proposed.

Compensatory Mitigation (Proponent Provided)

Waterbody Type	Acres Established		Acres Restored		Acres Enhanced		Acres Preserved	
	Temp.	Perm.	Temp.	Perm.	Temp.	Perm.	Temp.	Perm.
Lake								
Ocean								
Riparian								
Streambed			0.007/0.055	0				
Vernal Pool								
Wetland								

* Report as mitigation for temporary impacts at a 1:1 ratio any required conditions to restore the site (e.g., re-vegetating or re-contouring).

Compensatory Mitigation (Mitigation Bank)

Waterbody Type	Acres Established	Acres Restored	Acres Enhanced	Acres Preserved
Lake				
Ocean				
Riparian				
Streambed				
Vernal Pool				
Wetland				

Compensatory Mitigation (In-Lieu)

Waterbody Type	Acres Established	Acres Restored	Acres Enhanced	Acres Preserved
Lake				
Ocean				
Riparian				
Streambed				
Vernal Pool				
Wetland				



Proponent Provided Mitigation Information (If Applicable)*		
	Site 1	Site 2
Mitigation Site Location(s):		
Mitigation Site Lat/Long(s)		
Name of Watershed & Hydrologic Unit:		
Mitigation Site City and County:		

*If more than two sites, please provide additional information in the additional information table located at the end of this form.

Mitigation Bank Information (If Applicable)*		
	Bank 1	Bank 2
Mitigation Bank Name:		
Name of Mitigation Bank Operator:		
Address of Mitigation Bank Office:		
Mitigation Bank Location(s)		
Mitigation Bank Lat/Long(s)		
Name of Watershed & Hydrologic Unit:		
Mitigation Bank City and County:		
Mitigation purchase amount (\$):		

*If more than two sites, please provide additional information in the additional information table located at the end of this form.

In-Lieu Mitigation Information (If Applicable)*		
	Program 1	Program 2
Name of approved in-lieu fee mitigation sponsor:		
Address of In-lieu mitigation sponsor:		
Description of in-lieu mitigation arrangements:		
In-lieu mitigation location:		
In-lieu mitigation Lat/Long(s):		
In-lieu mitigation City and County:		
Name of Watershed & Hydrologic Unit:		

*If more than two sites, please provide additional information in the additional information table located at the end of this form.

Additional Mitigation Information (Proponent, Bank, or In-Lieu)		
	Site 1	Site 2
Mitigation Site Name:		
Name of Mitigation Site Operator:		
Address of Mitigation Site Office:		
Mitigation Site Location(s):		
Mitigation Site Lat/Long(s):		
Name of Watershed & Hydrologic Unit:		
Mitigation Site City and County:		
Mitigation purchase amount (\$):		

**ATTACHMENT 2
E-MAIL DISTRIBUTION LIST**

Corey Wallace, Rancho California Water District
wallacec@ranchowater.com

Jim Mace, U.S. Army Corps of Engineers, Regulatory Branch
James.e.mace@usace.army.mil

Anna Milloy, California Department of Fish and Game
amilloy@dfg.ca.gov

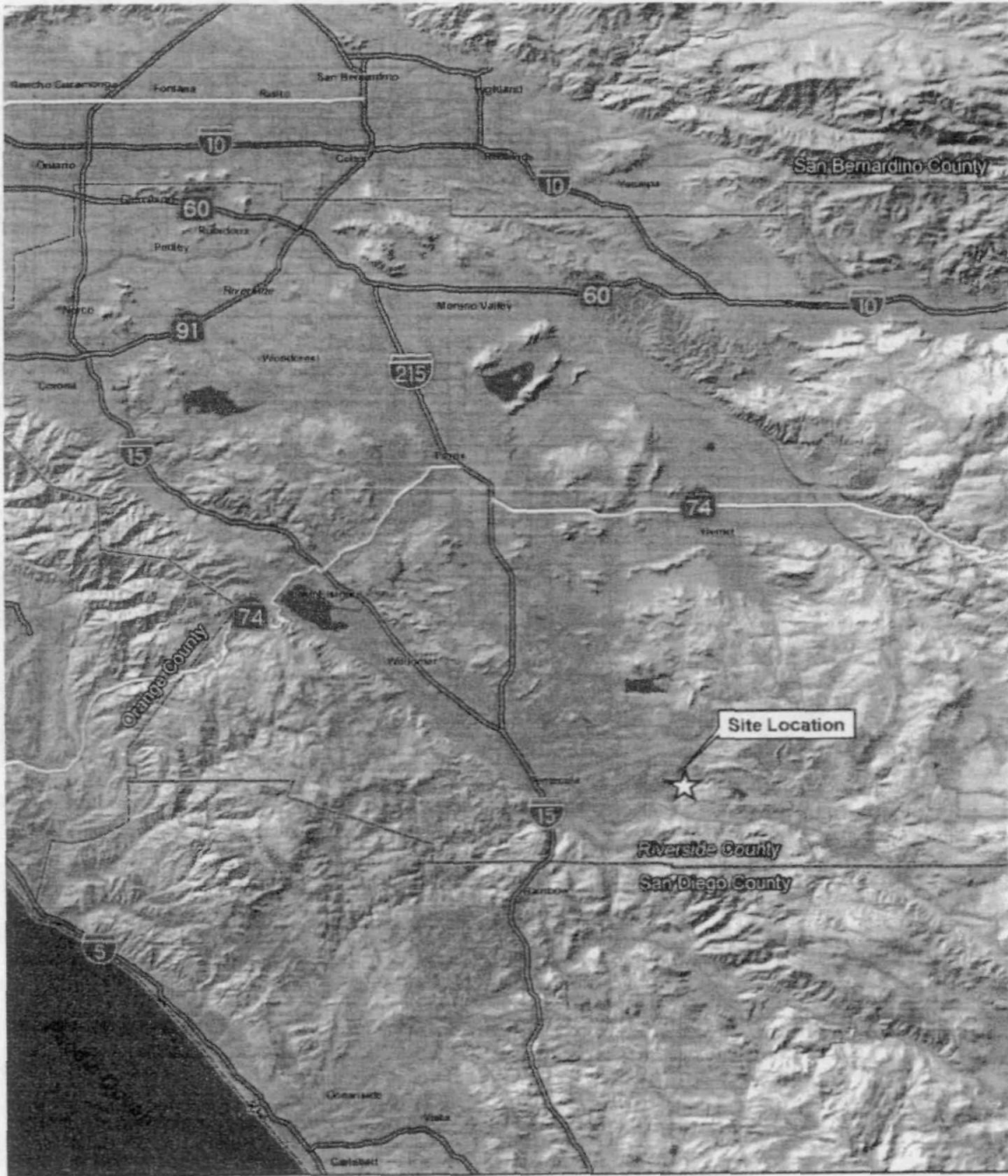
Paul Principe
Pro_fauna@earthlink.net

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

U.S. Department of the Interior
Fish and Wildlife Service
6010 Hidden Valley Road
Carlsbad, CA 92011

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

ATTACHMENT 3 PROJECT LOCATION MAPS



SOURCE US Census 2000 Street Data

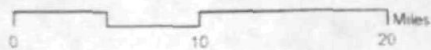
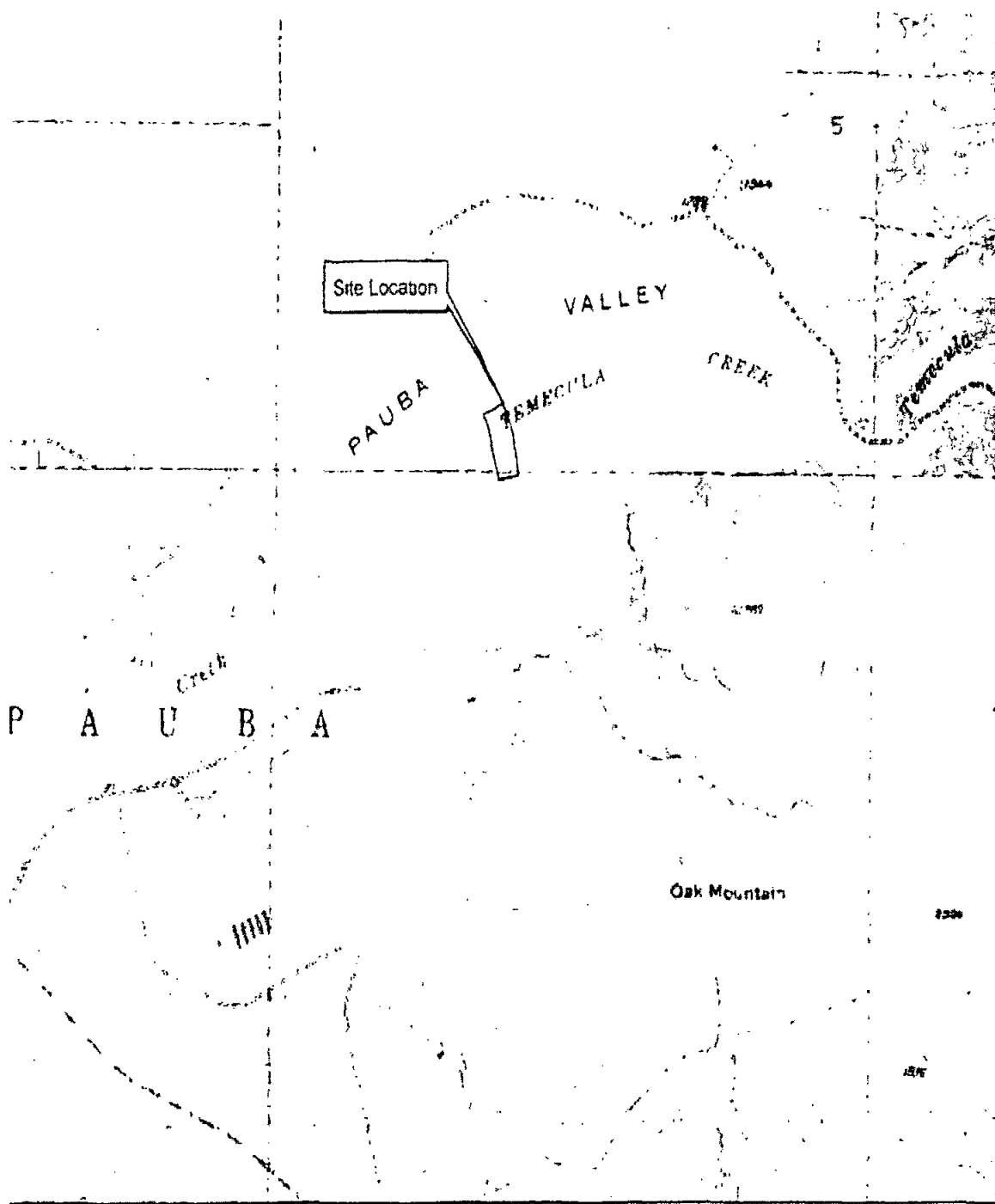


FIGURE 1 - REGIONAL MAP

PAUBA ROAD INTER-TIE PROJECT

PRINCIPE AND ASSOCIATES



Base Map Source USGS 7.5
Min Bachelor Mountain, Pechanga
Vail Lake, and Sage, CA Quads

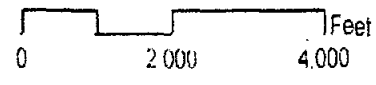
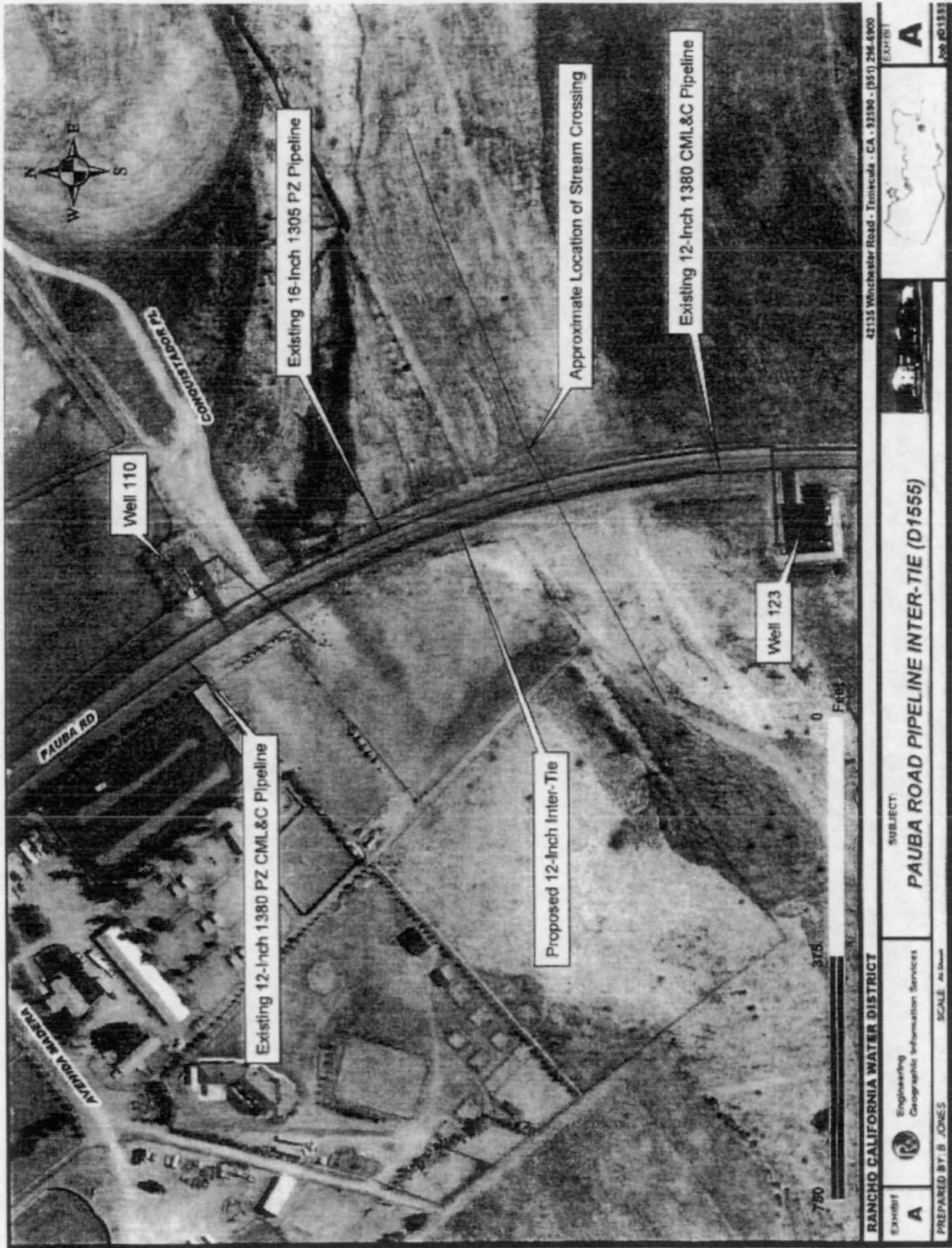


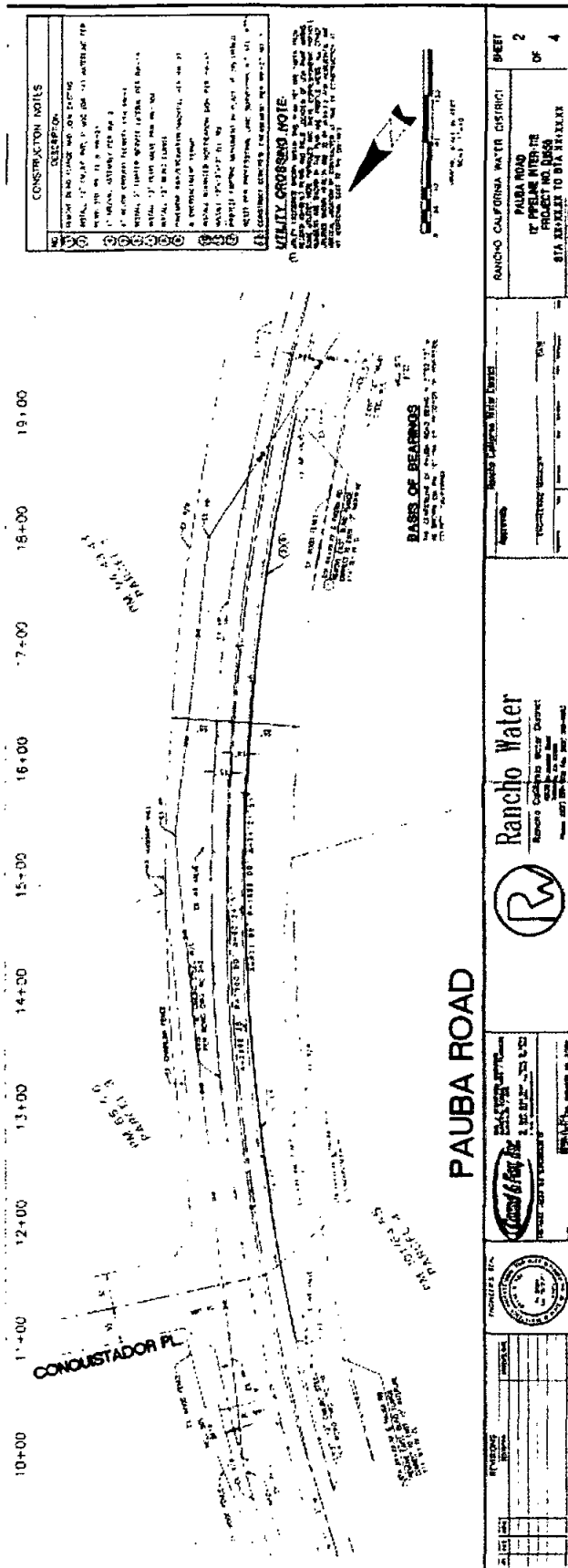
FIGURE 3 - USGS MAP

PAUBA ROAD INTER-TIE PROJECT

PRINCIPE AND ASSOCIATES

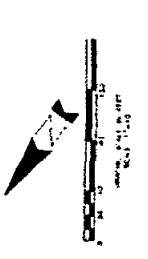
ATTACHMENT 4 SITE MAPS





NO.	DESCRIPTION	DATE
1	PAUBA ROAD PROJECT NO. 1018	
2	RANCHO CALIFORNIA WATER DISTRICT	
3	SIX SHEETS TO BE DRAWN	

UTILITY CROSSING NOTE:
ALL UTILITY CROSSINGS SHOWN ON THIS PLAN ARE BASED ON THE RECORD DRAWINGS OF THE UTILITY OWNERS. THE ENGINEER HAS VISUALLY CHECKED THE UTILITY CROSSINGS AND HAS FOUND THEM TO BE CORRECT. THE UTILITY OWNERS ARE RESPONSIBLE FOR THE LOCATION AND DEPTH OF THEIR UTILITIES.



PAUBA ROAD
RANCHO CALIFORNIA WATER DISTRICT
PROJECT NO. 1018
SIX SHEETS TO BE DRAWN

NO.	DESCRIPTION	DATE
1	PAUBA ROAD PROJECT NO. 1018	
2	RANCHO CALIFORNIA WATER DISTRICT	
3	SIX SHEETS TO BE DRAWN	

Rancho Water
Rancho California Water District
10000 Pauba Road, Pauba, CA 94654
Phone: (925) 382-1111, Fax: (925) 382-1112

Professional Engineer Seal for Rancho Water District, State of California, License No. 15777, signed by [Name] on [Date].

Professional Engineer Seal for Pauba Road Project, State of California, License No. 15777, signed by [Name] on [Date].

NO.	DESCRIPTION	DATE
1	PAUBA ROAD PROJECT NO. 1018	
2	RANCHO CALIFORNIA WATER DISTRICT	
3	SIX SHEETS TO BE DRAWN	

PAUBA ROAD

ATTACHMENT 5 STREAM PHOTO DOCUMENTATION PROCEDURES

Standard Operating Procedure (SOP)

Stream Photo Documentation Procedure

(CARCD 2001, Written by TAC Visual Assessments work group)

Introduction:

Photographs provide a qualitative, and potentially semi-quantitative, record of conditions in a watershed or on a water body. Photographs can be used to document general conditions on a reach of a stream during a stream walk, pollution events or other impacts, assess resource conditions over time, or can be used to document temporal progress for restoration efforts or other projects designed to benefit water quality. Photographic technology is available to anyone and it does not require a large degree of training or expensive equipment. Photos can be used in reports, presentations, or uploaded onto a computer website or GIS program. This approach is useful in providing a visual portrait of water resources to those who may never have the opportunity to actually visit a monitoring site.

Equipment:

Use the same camera to the extent possible for each photo throughout the duration of the project. Either 35 mm color or digital color cameras are recommended, accompanied by a telephoto lens. If you must change cameras during the program, replace the original camera with a similar one comparable in terms of media (digital vs. 35 mm) and other characteristics. A complete equipment list is suggested as follows:

Required:

- Camera and backup camera
- Folder with copies of previous photos (do not carry original photos in the field)
- Topographic and/or road map
- Aerial photos if available
- Compass
- Timepiece
- Extra film or digital disk capacity (whichever is applicable)
- Extra batteries for camera (if applicable)
- Photo-log data sheets or, alternatively, a bound notebook dedicated to the project
- Yellow photo sign form and black marker, or, alternatively, a small black board and chalk

Optional:

- GPS unit
- Stadia rod (for scale on landscape shots)
- Ruler (for scale on close up views of streams and vegetation)
- Steel fence posts for dedicating fixed photo points in the absence of available fixed landmarks

How to Access Aerial Photographs:

Aerial Photos can be obtained from the following federal agencies:

USGS Earth Science Information Center
507 National Center
12201 Sunrise Valley Drive
Reston, VA 22092
800-USA-MAPS

USDA Consolidated Farm Service Agencies
Aerial Photography Field Office
222 West 2300 South
P.O. Box 30010
Salt Lake City, UT 84103-0010
801-524-5856

Cartographic and Architectural Branch
National Archives and Records Administration
8601 Adelphi Road
College park, MD 20740-6001
301-713-7040

Roles and Duties of Team:

The team should be comprised of a minimum of two people, and preferably three people for restoration or other water quality improvement projects, as follows:

1. Primary Photographer
2. Subject, target for centering the photo and providing scale
3. Person responsible for determining geographic position and holding the photo sign forms or blackboard.

One of these people is also responsible for taking field notes to describe and record photos and photo points.

Safety Concerns:

Persons involved in photo monitoring should **ALWAYS** put safety first. For safety reasons, always have at least two 2 volunteers for the survey. Make sure that the

area(s) you are surveying either are accessible to the public or that you have obtained permission from the landowner prior to the survey.

Some safety concerns that may be encountered during the survey include, but are not limited to:

- Inclement weather
- Flood conditions, fast flowing water, or very cold water
- Poisonous plants (e.g.: poison oak)
- Dangerous insects and animals (e.g.: bees, rattlesnakes, range animals such as cattle, etc.)
- Harmful or hazardous trash (e.g.: broken glass, hypodermic needles, human feces)

We recommend that the volunteer coordinator or leader discuss the potential hazards with all volunteers prior to any fieldwork.

General Instructions:

From the inception of any photo documentation project until it is completed, always take each photo from the same position (photo point), and at the same bearing and vertical angle at that photo point. Photo point positions should be thoroughly documented, including photographs taken of the photo point. Refer to copies of previous photos when arriving at the photo point. Try to maintain a level (horizontal) camera view unless the terrain is sloped. (If the photo can not be horizontal due to the slope, then record the angle for that photo.) When photo points are first being selected, consider the type of project (meadow or stream restoration, vegetation management for fire control, ambient or event monitoring as part of a stream walk, etc.) and refer to the guidance listed on *Suggestions for Photo Points by Type of Project*.

When taking photographs, try to include landscape features that are unlikely to change over several years (buildings, other structures, and landscape features such as peaks, rock outcrops, large trees, etc.) so that repeat photos will be easy to position. Lighting is, of course, a key ingredient so give consideration to the angle of light, cloud cover, background, shadows, and contrasts. Close view photographs taken from the north (i.e., facing south) will minimize shadows. Medium and long view photos are best shot with the sun at the photographer's back. Some artistic expression is encouraged as some photos may be used on websites and in slide shows (early morning and late evening shots may be useful for this purpose). Seasonal changes can be used to advantage as foliage, stream flow, cloud cover, and site access fluctuate. It is often important to include a ruler, stadia rod, person, farm animal, or automobile in photos to convey the scale of the image. Of particular concern is the angle from which the photo is taken. Oftentimes an overhead or elevated shot from a bridge, cliff, peak, tree, etc. will be instrumental in conveying the full dimensions of the

project. Of most importance overall, however, is being aware of the goal(s) of the project and capturing images that clearly demonstrate progress towards achieving those goal(s). Again, reference to *Suggestions for Photo Points by Type of Project* may be helpful.

If possible, try to include a black board or yellow photo sign in the view, marked at a minimum with the location, subject, time and date of the photograph. A blank photo sign form is included in this document.

Recording Information:

Use a systematic method of recording information about each project, photo point, and photo. The following information should be entered on the photo-log forms (blank form included in this document) or in a dedicated notebook:

- Project or group name, and contract number (if applicable, e.g., for funded restoration projects)
- General location (stream, beach, city, etc.), and short narrative description of project's habitat type, goals, etc.
- Photographer and other team members
- Photo number
- Date
- Time (for each photograph)
- Photo point information, including:
 - Name or other unique identifier (abbreviated name and/or ID number)
 - Narrative description of location including proximity to and direction from notable landscape features like roads, fence lines, creeks, rock outcrops, large trees, buildings, previous photo points, etc. – sufficient for future photographers who have never visited the project to locate the photo point
 - Latitude, longitude, and altitude from map or GPS unit
- Magnetic compass bearing from the photo point to the subject
- Specific information about the subject of the photo
- Optional additional information: a true compass bearing (corrected for declination) from photo point to subject, time of sunrise and sunset (check newspaper or almanac), and cloud cover.

For ambient monitoring, the stream and shore walk form should be attached or referenced in the photo-log.

When monitoring the implementation of restoration, fuel reduction, or Best Management Practices (BMP) projects, include or attach to the photo-log a narrative description of observable progress in achieving the goals of the project. Provide supplementary information along with the photo, such as noticeable changes in habitat, wildlife, and water quality and quantity.

Archive all photos, along with the associated photo-log information, in a protected environment.

The Photo Point: Establishing Position of Photographer:

1. Have available a variety of methods for establishing position: maps, aerial photos, GPS, permanent markers and landmarks, etc. If the primary method fails (e.g., a GPS or lost marker post) then have an alternate method (map, aerial photo, copy of an original photograph of the photo-point, etc).
2. Select an existing structure or landmark (mailbox, telephone pole, benchmark, large rock, etc.), identify its latitude and longitude, and choose (and record for future use) the permanent position of the photographer relative to that landmark. Alternatively, choose the procedure described in *Monitoring California's Annual Rangeland Vegetation* (UC/DANR Leaflet 21486, Dec. 1990). This procedure involves placing a permanently marked steel fence post to establish the position of the photographer.
3. For restoration, fuel reduction, and BMP projects, photograph the photo-points and carry copies of those photographs on subsequent field visits.

Determining the Compass Bearing:

1. Select and record the permanent magnetic bearing of the photo center view. You can also record the true compass bearing (corrected for declination) but do not substitute this for the magnetic bearing. Include a prominent landmark in a set position within the view. If possible, have an assistant stand at a fixed distance from both the photographer and the center of the view, holding a stadia rod if available, within the view of the camera; preferably position the stadia rod on one established, consistent side of the view for each photo (right or left side).
2. Alternatively, use the procedure described in *Monitoring California's Annual Rangeland Vegetation* (UC/DANR Leaflet 21486, Dec. 1990). This procedure involves placing a permanently marked steel fence post to establish the position of the focal point (photo center).
3. When performing ambient or event photo monitoring, and when a compass is not available, then refer to a map and record the approximate bearing as north, south, east or west.

Suggestions for Photo Points by Type of Project:

Ambient or Event Monitoring, Including Photography Associated with Narrative Visual Assessments:

1. When first beginning an ambient monitoring program take representative long and/or medium view photos of stream reaches and segments of shoreline being monitored. Show the positions of these photos on a map, preferably on the stream/shore walk form. Subjects to be photographed include a representative view of the stream or shore condition at the beginning and ending positions of the segment being monitored, storm drain outfalls, confluence of tributaries, structures (e.g., bridges, dams, pipelines, etc.).
2. If possible, take a close view photograph of the substrate (streambed), algae, or submerged aquatic vegetation.
3. Time series: Photographs of these subjects at the same photo points should be repeated annually during the same season or month if possible.
4. Event monitoring refers to any unusual or sporadic conditions encountered during a stream or shore walk, such as trash dumps, turbidity events, oil spills, etc. Photograph and record information on your photo-log and on your Stream and Shore Walk Visual Assessment form. Report pollution events to the Regional Board. Report trash dumps to local authorities.

All Restoration and Fuel Reduction Projects – Time Series:

Take photos immediately before and after construction, planting, or vegetation removal. Long term monitoring should allow for at least annual photography for a minimum of three years after the project, and thereafter at 5 years and ten years.

Meadow Restoration:

1. Aerial view (satellite or airplane photography) if available.
2. In the absence of an aerial view, a landscape, long view showing an overlapping sequence of photos illustrating a long reach of stream and meadow (satellite photos, or hill close by, fly-over, etc.)
3. Long view up or down the longitudinal dimension of the creek showing riparian vegetation growth bounded on each side by grasses, sedges, or whatever that is lower in height
4. Long view of conversion of sage and other upland species back to meadow vegetation

5. Long view and medium view of streambed changes (straightened back to meandering, sediment back to gravel, etc.)
6. Medium and close views of structures, plantings, etc. intended to induce these changes

Stream Restoration/stabilization:

1. Aerial view (satellite or airplane photography) if available.
2. In the absence of an aerial view, a landscape, long-view showing all or representative sections of the project (bluff, bridge, etc.)
3. Long view up or down the stream (from stream level) showing changes in the stream bank, vegetation, etc.
4. Long view and medium view of streambed changes (thalweg, gravel, meanders, etc.)
5. Medium and close views of structures, plantings, etc. intended to induce these changes.
6. Optional: Use a tape set perpendicular across the stream channel at fixed points and include this tape in your photos described in 3 and 4 above. For specific procedures refer to Harrelson, Cheryl C., C.L. Rawlins, and John P. Potyondy, *Stream Channel Reference Sites: An Illustrated Guide to Field Techniques*, United States Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-245.

Vegetation Management for Fire Prevention ("fuel reduction"):

1. Aerial view (satellite or airplane photography) if available.
2. In the absence of an aerial view, a landscape, long view showing all or representative sections of the project (bluff, bridge, etc.)
3. Long view (wide angle if possible) showing the project area or areas. Preferably these long views should be from an elevated vantage point.
4. Medium view photos showing examples of vegetation changes, and plantings if included in the project. It is recommended that a person (preferably holding a stadia rod) be included in the view for scale

5. To the extent possible include medium and long view photos that include adjacent stream channels.

Stream Sediment Load or Erosion Monitoring:

1. Long views from bridge or other elevated position.
2. Medium views of bars and banks, with a person (preferably holding a stadia rod) in view for scale.
3. Close views of streambed with ruler or other common object in the view for scale.
4. Time series: Photograph during the dry season (low flow) once per year or after a significant flood event when streambed is visible. The flood events may be episodic in the south and seasonal in the north.
5. Optional: Use a tape set perpendicular across the stream channel at fixed points and include this tape in your photos described in 1 and 2 above. For specific procedures refer to Harrelson, Cheryl C., C.L. Rawlins, and John P. Potyondy, *Stream Channel Reference Sites: An Illustrated Guide to Field Techniques*, United States Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-245.

PHOTO- LOG FORM

Project:
Location:
Date:
Photographer:
Team members:

Photo #	Time	Photo Point ID	Photo Pt. Description & Location	Bearing to Subject	Subject Description

General Notes or Comments (weather, cloud cover, time of sunrise and sunset, other pertinent information):

PHOTO SIGN FORM: Print this form on yellow paper. Complete the following information for each photograph. Include in the photographic view so that it will be legible in the finished photo.

Location:

Subject Description:

Date:

Time:

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

RCWD
 42315 Winchester Rd.
 P.O. Box 9017
 Temecula, CA 92589
 Attn: Corey Wallace

2. Article Number

(Transfer from service label)

7010 1060 0000 4952 5910

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- Agent
- Address

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type

- Certified Mail
- Express Mail
- Registered
- Return Receipt for Merchant
- Insured Mail
- C.O.D.

4. Restricted Delivery? (Extra Fee)

Yes

PS Form 3811, February 2004

2-17

Domestic Return Receipt

A. Manji

102595-02-M-1

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. FOLD AT DOTTED LINE.
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U.S. Postal ServiceTM

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Total Postage & Fees	\$

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City, State, ZIP+4

PS Form 3800, August 2006

See Reverse for Instructions

RCWD
 42315 Winchester Rd
 Temecula, CA 92589

HONOLULU