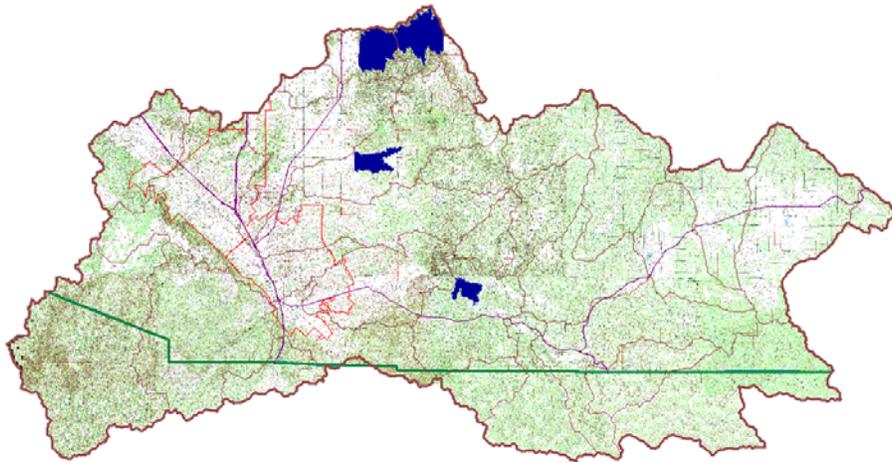




2004 – 2005 DISTRICT INDIVIDUAL SWMP ANNUAL REPORT

TO THE
SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD
AND
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY – REGION IX



(Order No. R9-2004-001, NPDES No. CAS108766)

OCTOBER 31, 2005

SANTA MARGARITA WATERSHED
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
COUNTY OF RIVERSIDE, CITY OF MURRIETA, and CITY OF TEMECULA

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CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: Stephen E. Stump
Stephen E. Stump
Chief of Regulatory Division
Riverside County Flood Control
and Water Conservation District

RCFC&WCD

**SANTA MARGARITA WATERSHED
NPDES MUNICIPAL STORMWATER PERMIT
(NPDES No. CAS0108766)**

ANNUAL REPORTING FORMS

FOR

**DISTRICT
FISCAL YEAR 2004 - 2005**

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**BOARD ORDER NO. R9-2004-001
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION**

EXECUTIVE SUMMARY

This Annual Report for the District's Individual Stormwater Management Plan (District SWMP) documents specific urban runoff management programs and activities that were implemented to comply with the requirements of the Municipal Separate Storm Sewer System (MS4) Permit issued to the District by the San Diego Regional Water Quality Control Board (Regional Board) in 2004 (Board Order R9-2004-001). This is the third MS4 Permit issued by the Regional Board and is referred to as the "Third-term" MS4 Permit. This Annual Report addresses Provision III.A.1 of the Monitoring and Reporting Program to the Third-term MS4 Permit.

The Third-term MS4 Permit was adopted by the San Diego Regional Board on July 14, 2004. The Third-term MS4 Permit required each Permittee to develop an Individual Storm Water Management Plan and for all the Permittees to jointly develop a Watershed Storm Water Management Plan. These documents, and the programs they describe, were to be completed and implemented by July 14, 2005. Annual Reports for each of these documents are required and are to be submitted to the Regional Board on October 31st of each calendar year. The reporting period is specified as the preceding fiscal year. As Principal Permittee, the Riverside County Flood Control and Water Conservation District is tasked with coordinating the development of compliance documents and annual reports. The District specifically prepares its own Individual Storm Water Management Plan Annual Report and the Watershed Annual Report.

This Annual Report covers the period extending from July 1, 2004 through June 30, 2005. It therefore reports on a period preceding the deadline for submittal and implementation of the compliance documents and programs described in the Third-term MS4 Permit, with the exception of the Monitoring and Reporting Program, which was to be implemented as of October 2004. However, this report specifically responds to reporting requirements specified in Provision III.A.1 of the Monitoring and Reporting Program of the Third-term MS4 Permit. Several of the reporting requirements request information on programs that were either not implemented or not fully implemented within the current reporting period. This report identifies areas where programs were not implemented, or only partially implemented, where applicable. If data is available on a partially implemented program, data is provided. In addition, effectiveness evaluations were not required by the "Third-term" MS4 Permit or conducted for this first Annual Report. Effectiveness evaluations would be premature for programs that have not been in existence for at least a full reporting period.

This Annual Report provides additional detail regarding implementation of the programs described in the District's Individual Storm Water Management Plan (District SWMP). The District SWMP describes the overall urban runoff management strategies being implemented by the District in the Santa Margarita Region of Riverside County.

For purposes of this Annual Report, the terms "Watershed Stormwater Management Plan (Watershed SWMP) and "Standard Urban Stormwater Management Plan (SUSMP)" referenced in the Santa Margarita Region Permit are referred to as the "DAMP" and "Water Quality Management Plan (WQMP)", respectively to be consistent with terminology established and in

EXECUTIVE SUMMARY

use by the Permittees. Additional terms and acronyms used in this Annual Report are defined in the glossary included in the DAMP.

1. DEVELOPMENT PLANNING

(SECTION F of ORDER R9-2004-001)

1) Description of any amendments to the General Plan or the development project approval process:

The District does not have land use authority. It therefore, does not maintain a General Plan or have direct control over the overall development project approval process. However, the District has entered into agreements with the County of Riverside to review developments in the unincorporated County area for water quality and flood control related impacts, and issue appropriate conditions of approval on behalf of the County.

In support of this role, the District spent the last fiscal year either completing or initiating the following tasks:

- a) Development of a Water Quality Management Plan (WQMP) for the Santa Ana and Santa Margarita Watershed Regions of Riverside County. The WQMP functions as a SUSMP for the purposes of Board Order R9-2004-001. The WQMP was put through a public participation process that was completed on September 17, 2004 and submitted to the San Diego Region RWQCB on July 14, 2005 as Appendix O to the Riverside County DAMP.
- b) Revising conditions of approval to reflect the New Development and Redevelopment requirements of the Santa Margarita Region NPDES MS4 Permit. These revised conditions were completed in January 2005 and are included in the District's Individual SWMP submitted to the Regional Board on July 14, 2005. These conditions of approval, which include requirements to prepare a WQMP for New Development and Redevelopment Projects as defined by Board Order R9-2004-001, have been attached to proposed development projects that have been submitted to the District since January of 2005.
- c) Developing a BMP Design Manual to standardize the design, implementation and maintenance of post-construction BMPs to be implemented in Riverside County. This BMP Design Manual is included in Appendix O of the Riverside County DAMP and was submitted to the Regional Board on July 14, 2005.
- d) On April 5, 2005, the District, in conjunction with various County departments, facilitated a public workshop before the Riverside County Board of Supervisors to discuss the need for public maintenance of all post-construction BMPs within the unincorporated area of Riverside County. The Board of Supervisor's asked County and District staff to return in December 2005 with a follow-up report identifying a list of post-construction BMPs that the County would be willing to accept, a mechanism to ensure that the post-construction BMPs would be fully funded for maintenance, and a proposal for identifying the entities/County departments that would be responsible for tracking and maintaining post-construction BMPs.
- e) The District has continued to participate in the Stormwater Monitoring Coalition's efforts to develop numeric guidance for addressing Hydrologic Conditions of Concern in conformance with Permit requirement F.2.b)9. of Board Order R9-2004-001.

**1. DEVELOPMENT PLANNING
(SECTION F of ORDER R9-2004-001), CONT.**

2) Number of grading permits issued:

Not applicable. The District does not issue grading permits for the County of Riverside.

3) Number of developments conditioned to meet SUSMP requirements:

Since implementing the revised Conditions of Approval in January of 2005, the District has conditioned approximately 32 developments to prepare a Preliminary WQMP.

4) Attach one example of a development project that was conditioned to meet SUSMP requirements and a description of the required BMPs:

See Attachment A

5) Description of any updates to the environmental review process:

The District's Environmental and Regulatory Section reviewed and updated their Initial Study Checklist and CEQA review process in conformance with Board Order R9-2004-001. The revised Initial Study Checklist was submitted to the Regional Board on July 14, 2005 as Appendix C of the District's Individual SWMP. The CEQA review process was described in Chapter 6.3 of the District's Individual SWMP.

6) Description and number of training efforts conducted during the reporting period (for staff, developers, contractors, etc.), including the number of staff trained.

a) Training: (See Attachment B)

Training	Training Description	Training Dates	Number of Attendees
WQMP	New Development	11/10/04	4
WQMP	New Development	11/15/04	4
WQMP	New Development	4/27/05	11
		Total	19

b) Summarize the educational and outreach activities the Development Planning Component has conducted over the past year:

Each development project conditioned by the District is required to obtain copies of appropriate public education and outreach materials from the District's NPDES Public Information Officer or from our website. They are also required to submit an affidavit stating that they will distribute the public education materials to new property owners. This affidavit is recorded in the development's individual file. The District is currently

1. DEVELOPMENT PLANNING

(SECTION F of ORDER R9-2004-001), CONT.

developing a tracking mechanism to facilitate the accurate reporting of the number of affidavits received each fiscal year.

Additional public education and outreach activities undertaken by the District are considered part of the regional public education program described in the Watershed SWMP Annual Report.

7) An assessment of program effectiveness based on the measurable goals established in the Permittee's Individual SWMP:

Although a program effectiveness assessment is not required as part of this annual report of programs implemented under Board Order R9-2004-001, the District has identified the following areas which require further improvement in its Development Planning Program:

- a) The County/District needs a better long-term maintenance mechanism for post-construction BMPs within the County.
- b) The District needs a better tracking mechanism for projects conditioned with SUSMPs.
- c) The District needs a better mechanism to track projects that have submitted public education material affidavits.
- d) The District needs to continue to develop its post-construction BMP guidance to ensure the effectiveness and efficiency of post-construction BMPs.

8) Additional Comments/Information:

Major accomplishments of the program are described in responses to questions 1, 3, and 5 of this reporting form.

Summarize new activities or improvements to be implemented next year as a result of your self assessment of the Development Planning Component:

The District is proposing the following program improvements for the next reporting period as a result of an assessment:

The District is currently working on addressing the areas of improvement identified in Question 7 above.

- a) District and County staff are going to hold a second public workshop before the Riverside County Board of Supervisors in December 2005 to propose a list of post-construction BMPs that the County is willing to accept, a proposed public funding mechanism to ensure that the post-construction BMPs would be fully funded for maintenance, and a proposal for identifying the entities/County departments that would be responsible for tracking and maintaining post-construction BMPs under the new public funding mechanism.
- b) The District is working to revise its case tracking software to produce reports of the number of developments that have been conditioned to implement the WQMP.

1. DEVELOPMENT PLANNING
(SECTION F of ORDER R9-2004-001), CONT.

- c) The District is working to revise its case tracking software to produce reports of the number of development projects that have submitted public education material affidavits.
- d) The District is continuing to work with the Stormwater Monitoring Coalition and others to revise and refine BMP design guidance to ensure maximum effectiveness and maintainability of post-construction BMPs. It is expected that after the December workshop before the Riverside County Board of Supervisors, a significant review of existing design guidance will be initiated to remove post-construction BMPs that are not acceptable for public detailed design guidance for each County accepted post-construction BMP.

2. CONSTRUCTION
(SECTION G of ORDER R9-2004-001)

NOTE: THIS SECTION IS APPLICABLE TO DISTRICT ADMINISTERED CONSTRUCTION PROJECTS AND ENCROACHMENT PROJECTS ONLY.

1) Number of inspections conducted:

There were no District administered construction projects within the Santa Margarita Region in the reporting period.

There were ten (10) encroachment projects through the District within the Santa Margarita Region. A copy of the encroachment permit log, with projects located in the Santa Margarita Region highlighted, is included in Attachment C. In general, most District encroachment projects last for a month or less and do not involve significant construction activity. Occasionally, more extensive projects, like bridges, may encroach on the District property for longer period. During the encroachment period, the District inspects the construction projects approximately three times a week. The inspections include verifying that adequate minimum BMPs are in place to comply with Order R9-2004-001 and the General Construction Permit. Actual inspections reports are not taken during each site visit unless there is a problem which needs to be addressed, at which time a notification is given. There were eight (8) construction related encroachment permits issued in the District right-of-way.

2) Number and type of enforcement actions related to construction sites:

Enforcement and Compliance Responses	Private Projects	Public Projects
Non-monetary Penalties	0	0
Stop Work Authority	0	0
Fines	0	0
Financial Security	0	0
Permit/Certificate of Occupancy Denial	0	0
Referral to SDRWQCB	0	0
Total	0	0

3) Description of modifications made to the construction and grading approval process:

Modifications were made to the District's construction project standard specification and encroachment permit application requirements to comply with Order No. R9-2004-001 requirements. These modifications were incorporated into the District's Individual SWMP.

The District has opted to implement minimum construction BMPs into its District administered projects by incorporating the minimum BMPs into the General Construction Activities SWPPP. The District's NPDES Section reviews the SWPPPs to ensure that the minimum BMPs are properly incorporated. The District does not use the General

2. CONSTRUCTION
(SECTION G of ORDER R9-2004-001), CONT.

Construction Notes specified in Section 6.4.7.1 of the DAMP as we do not require separate grading plans for our projects.

4) Description and number of training efforts conducted during the reporting period.

a) Training: (See Attachment B)

Training	Training Description	Training Dates	Number of Attendees
Construction	Compliance with General Permit	10/19/04	3
Construction	Compliance with General Permit	4/26/05	4
Construction	Compliance with General Permit	5/3/05	3
Total			10

b) Summarize any additional education and outreach activities conducted for project applicants, contractors, developers, property owners, and/or other responsible parties in support of the Construction Component:

As part of the preconstruction meeting for all District projects, the contractor must attend a NPDES contractor's training presentation given by the District. Additional contractor education and outreach is implemented through the Regional Public Education program and is described in the Watershed SWMP.

5) An assessment of program effectiveness based on the measurable goals established in the Permittee's Individual SWMP:

The District will reevaluate the programs once they have been in effect for a full fiscal year.

6) Additional Comments/Information:

Attachment D includes the District's standard encroachment permit conditions and standard specifications for construction projects.

3. MUNICIPAL
(SECTION H.1 of ORDER R9-2004-001)

1) Number of inspections conducted at existing municipal facilities:

Not Applicable – there are no District municipal facilities within the Santa Margarita Watershed.

2) Number and type of enforcement actions related to municipal sites:

Enforcement and Compliance Responses	Number
Education and Information	N/A
Verbal warning	N/A
Written warning	N/A
Other	
Total	0

3) Number of catch basins and inlets that were inspected and the number that were cleaned:

	Number Inspected	Number Cleaned
Catch Basins and Inlets	N/A	N/A

NOTE: THE DISTRICT DOES NOT OPERATE NOR MAINTAIN CATCH BASINS AND INLETS WITHIN THE PERMIT AREA. CATCH BASINS AND INLETS ARE MAINTAINED BY THE MUNICIPALITIES, OR IN RARE INSTANCES, MAY BE MAINTAINED BY PROPERTY OWNERS ASSOCIATIONS (POAs) OR HOMEOWNERS ASSOCIATIONS (HOAs).

3. MUNICIPAL
(SECTION H.1 of ORDER R9-2004-001)
CONT.

- 4) **Assessment of the amount and type of debris removed from catch basins, streets, and open channels, including an identification of problem areas that generate the most pollutants:** (see Attachment E)

Facility	Type of Debris	Approx. %	Problem Areas that Generate Most Pollutants
Catch basins	Vegetative Litter Anthropogenic Litter Sediment Other man-made debris		
Total		0.0	tons (wet weight)
Streets	Vegetative Litter Anthropogenic Litter Sediment Other man-made debris		
Total		0.0	tons (wet weight)
Open Channels	Vegetative Litter Anthropogenic Litter Sediment Other man-made debris	101.1	
Total		101.1	tons (wet weight)
Facility Total		101.1	tons (wet weight)

3. MUNICIPAL
(SECTION H.1 of ORDER R9-2004-001)
CONT.

5) **Assessment of effectiveness of BMPs that have been implemented for municipal facilities and activities:**

BMP Code	Description	Used	Notes
SC-10	Non-Stormwater Discharges	<input type="checkbox"/> Yes <input type="checkbox"/> No	
SC-11	Spill Prevention, Control and Clean-up	<input type="checkbox"/> Yes <input type="checkbox"/> No	
SC-20	Vehicle and Equipment Fueling	<input type="checkbox"/> Yes <input type="checkbox"/> No	
SC-21	Vehicle and Equipment Cleaning	<input type="checkbox"/> Yes <input type="checkbox"/> No	
SC-22	Vehicle and Equipment Repair	<input type="checkbox"/> Yes <input type="checkbox"/> No	
SC-30	Outdoor Loading/Unloading of Materials	<input type="checkbox"/> Yes <input type="checkbox"/> No	
SC-31	Outdoor Liquid Container Storage	<input type="checkbox"/> Yes <input type="checkbox"/> No	
SC-32	Outdoor Equipment Maintenance	<input type="checkbox"/> Yes <input type="checkbox"/> No	
SC-33	Outdoor Storage of Raw Materials	<input type="checkbox"/> Yes <input type="checkbox"/> No	
SC-34	Waste Handling and Disposal	<input type="checkbox"/> Yes <input type="checkbox"/> No	
SC-35	Safe Alternative Products	<input type="checkbox"/> Yes <input type="checkbox"/> No	
SC-40	Contaminated or Erodible Areas	<input type="checkbox"/> Yes <input type="checkbox"/> No	
SC-41	Building and Grounds Maintenance	<input type="checkbox"/> Yes <input type="checkbox"/> No	
SC-42	Building Repair and Construction	<input type="checkbox"/> Yes <input type="checkbox"/> No	
SC-43	Parking/Storage Area Maintenance	<input type="checkbox"/> Yes <input type="checkbox"/> No	
SC-44	Drainage System Maintenance	<input type="checkbox"/> Yes <input type="checkbox"/> No	
SC-60	Housekeeping Practices	<input type="checkbox"/> Yes <input type="checkbox"/> No	
SC-61	Safe Alternative Products	<input type="checkbox"/> Yes <input type="checkbox"/> No	
SC-70	Road and Street Maintenance	<input type="checkbox"/> Yes <input type="checkbox"/> No	
SC-71	Plaza and Sidewalk Cleaning	<input type="checkbox"/> Yes <input type="checkbox"/> No	
SC-72	Fountain and Pool Maintenance	<input type="checkbox"/> Yes <input type="checkbox"/> No	
SC-73	Landscape Maintenance	<input type="checkbox"/> Yes <input type="checkbox"/> No	
SC-74	Drainage System Maintenance	<input type="checkbox"/> Yes <input type="checkbox"/> No	
SC-75	Waste Handling and Disposal	<input type="checkbox"/> Yes <input type="checkbox"/> No	
SC-76	Water and Sewer Utility Maintenance	<input type="checkbox"/> Yes <input type="checkbox"/> No	

3. MUNICIPAL
(SECTION H.1 of ORDER R9-2004-001)
CONT.

Assessment of the effectiveness of BMPs that have been implemented for municipal facilities and activities:

THE DISTRICT DOES NOT OPERATE MUNICIPAL FACILITIES OTHER THAN MS4 IN THE SANTA MARGARITA REGION.

3. MUNICIPAL
(SECTION H.1 of ORDER R9-2004-001), CONT.

6) Description and number of training efforts conducted over the last year (for municipal facility operators and/or inspectors).

a) Training:

Note – District maintenance staff do receive municipal NPDES training per the requirement of the NPDES permit (see Attachment B). Detailed curriculum and attendance logs are contained in the Watershed SWMP.

Training	Training Description	Training Dates	Number of Attendees
Municipal Training	Municipal Site Inspection	10.21.04	6
Municipal Training	Municipal Site Inspection	41.26.05	1
Municipal Training	Municipal Site Inspection	5.3.05	3
		Total	10

b) Summarize the internal and external education and outreach activities the Municipal Component has conducted over the past year:

District NPDES staff met several times with field staff to discuss the requirements of the Statewide General NPDES Permit for the Discharge of Aquatic Pesticides for Aquatic Weed Control.

Herbicide/Pesticide Application Best Management Practices (BMPs) and Management

NPDES staff has convened annual briefing sessions since October 2001 with District Operations and Maintenance crews to discuss Best Management Practice (BMP) implementation during herbicide applications. NPDES staff reviews the Municipal Permit program framework and goal of surface water quality protection, and discuss the Municipal Activity BMPs that are listed in the Riverside County Drainage Area Management Plan (DAMP). Staff also identifies the common features of the Municipal Activity BMPs and the standard operating procedures for herbicide/pesticide management (product label instructions and Material Safety Data Sheets) that are part of the existing education requirements for applicators. Examples of standard procedures that constitute BMPs include schedules for applications considering weather and nesting seasons, and proper storage and disposal of unused product.

Additionally, District NPDES and Maintenance staff has attended annual training events conducted by Monsanto Technologies. These venues focus on BMP implementation for specific herbicides used by the District. The BMPs and related topics included:

3. MUNICIPAL
(SECTION H.1 of ORDER R9-2004-001)
CONT.

- Anticipated Glyphosate concentration ranges in water samples given average AquaMaster application rates and following label instruction.
- Calculation for determining estimated surfactant concentrations.
- Application techniques for effective results when applying AquaMaster.
- California laboratories that can analyze for Glyphosate, should the need arise.

7) An assessment of program effectiveness based on the measurable goals established in the Permittee's Individual SWMP:

Not applicable to the first annual report. The District will re-evaluate effectiveness after the programs have been in place for at least one fiscal year.

8) Additional Comments/Information:

The District's municipal program in the Santa Margarita Region is limited to MS4 maintenance. The District reviewed its program to make sure it meets the minimum requirements of Board Order R9-2004-001.

Summarize new activities or improvements to be implemented next year as a result of your self assessment of the Municipal Component:

No major revisions to the MS4 maintenance program were implemented for FY 05-06.

Although an effectiveness evaluation of the District's MS4 maintenance procedures were not required for the FY 04-05 reporting period, the District would like to note that there were no significant failures or damages to District facilities during the 04-05 wet season, which was the wettest on record. The only significant MS4 problems identified in the watershed were in an ongoing channel improvement project in Murrieta Creek which was owned and operated by the U.S. Army Corps of Engineers. The District believes that the lack of problems in the MS4 is indicative of the effectiveness of its MS4 maintenance procedures.

In addition, Attachment F of this report identifies new flood control facilities accepted by the District for maintenance.

**4. INDUSTRIAL/COMMERCIAL
(SECTION H.2 of ORDER R9-2004-001)**

The District does not have land use powers or authority and therefore has no jurisdiction over industrial or commercial facilities.

1) Description and number of training efforts conducted over the last year (for industrial/commercial facility operators and/or inspectors).

a) Training:

Although the District does not have authority to inspect or regulate industrial/commercial land uses, District staff who respond to IC/ID complaints or notifications receive this training to ensure they are familiar with minimum BMPs and issues/problems/solutions associated with commercial/industrial activities.

Note – District staff did receive municipal NPDES training per the requirement of the NPDES permit. (See Attachment B)

Training	Training Description	Training Dates	Number of Attendees
Industrial/Commercial Training	Industrial/Commercial Facility Inspection	10/27/04	4
Industrial/Commercial Training	Industrial/Commercial Facility Inspection	4/27/05	4
		Total	8

5. RESIDENTIAL
(SECTION H.3 of ORDER R9-2004-001)

The District does not have land use powers or jurisdiction to regulate residential activities.

6. EDUCATION
(SECTION I of ORDER R9-2004-001)
CONT.

1) Description of education efforts conducted by the Permittee (not collectively with other Permittees) during the previous year:

The education programs described below were implemented as part of the Watershed SWMP requirements. Additional details regarding these programs are available in the Watershed SWMP Annual Report.

Audience	Measures Impressions are County-wide unless otherwise noted
Permittee Departments and Personnel	Number of Permittee employees trained for: <ul style="list-style-type: none"> • Construction Inspection: 10 • Industrial/Commercial Inspection: 8 • Municipal Facilities and Activities: 10 • Development Planning: 19
Construction Site Owners and Developers	Outreach events conducted: Water Quality Management Plan Training held in Temecula by AEI-CASC Date: 1/31/05 # Attendees: 75
Industrial/Commercial Owners and Operators	Industrial/Commercial outreach events conducted: Inland Empire Economic Briefing & Business Exposition Sponsored Business Press Event Date: 4/22/05 # Attendees: 500+
Residential Community, General Public, Other Public Agencies and Students	Number of Media Impressions in: <ul style="list-style-type: none"> • Newspaper: 1,532,000 • Mailings: 5,164,844 • Radio/TV: 0 • Billboards: 0 • Other: 431,000 • Materials: 245,943 Number of classroom presentations: 104 # Students: 2,310 Public Education events conducted: 6 # Attendees: 42,788

6. EDUCATION
(SECTION I of ORDER R9-2004-001)
CONT.

2) Assessment of overall program effectiveness based on the measurable goals established in the Permittee's Individual SWMP:

Not applicable to first Annual Report. The District will re-evaluate its education efforts after the revised programs have been in place for at least one fiscal year.

3) Additional Comments/Information:

As Principal Permittee, the District implements the public education program for the entire watershed. A detailed description of the regional public education program implemented by the District is contained in the Watershed SWMP Annual Report. The District generally reports all of its implemented education related activities in the Watershed SWMP.

Describe the major accomplishments of the Education Component over the past year.

See Watershed SWMP Annual Report.

Summarize new activities or improvements to be implemented next year as a result of your self assessment of the Education Component:

See Watershed SWMP Annual Report.

7. ILLICIT DISCHARGE DETECTION AND ELIMINATION
(SECTION J of ORDER R9-2004-001)

1) Number of illicit discharges, connections and spills reported and/or identified during the reporting period:

- a) Illicit Discharges (ID): IC/ID Complaint files for complaints received by the District are included in Attachment G. In addition, the Watershed SWMP contains a Fire Department HazMat Response Team Report of other IC/ID responses acted upon directly by them.
- b) Illicit Connections (IC): In 1990, the District performed a detailed reconnaissance of its MS4 to identify potential illicit connections. A very small number of connections were identified. Since then, the District maintenance and construction inspectors have been trained to look for and report any illicit connections. In addition, the District requires entities wishing to connect non-stormwater discharges to its facilities to complete a third-party non-stormwater discharge application form to ensure the discharge complies with the requirements of R9-2004-001. Discharge applications received by the District will be reported in future annual reports.
- c) Spills (S): Attachment G contains IC/ID complaint files, including spill notifications. In addition, the Watershed SWMP contains a report of illicit discharge spill responses by the Riverside County Fire Department Hazardous Materials Response Team.

2) Number of illicit discharges or connections investigated during the reporting period and the outcome of the investigations:

See summary reports in Appendix G.

3) Number and types of enforcement actions taken for illicit discharges or connections during the reporting period:

See summary report in Appendix G. Because the District's enabling act does not provide land use powers, the District relies on combined legal authority with Co-Permittee's to control industrial, commercial, or development activities within its jurisdiction. Any enforcement actions resulting from an IC/ID reported to the District would be taken by the respective Co-Permittee with jurisdiction. The District does maintain the ability to regulate third-party activities within its rights-of-way through encroachment permits, construction contracts, and other legal agreements.

4) Number of times your agency's hotline was called during the reporting period, as compared to previous reporting periods.

The table below identifies the number of calls that were tracked by our 1-800 hotline. Do to a technical error, the call counters were not used during the reporting period. The District is working to restore this service with the County Information Technology Department who hosts the hotline. The calls identified below for Fiscal Year 2004-2005 only reflect the calls

**7. ILLICIT DISCHARGE DETECTION AND ELIMINATION
(SECTION J of ORDER R9-2004-001) CONT.**

that were diverted to the District's front counter. These calls may have been for IC/ID, education outreach, or other purposes.

	Number of Calls	
	2003-04	2004-05
Water Pollution Hotline	294	100

5) Number and location of dry weather monitoring sites that were monitored during the reporting period:

IC/ID dry weather stations were not required during the reporting period. However, the District has identified the stations it will monitor in Fiscal Year 2005-2006. These stations are identified below:

Number of Site(s): 4

Location(s): Santa Gertrudis, Warm Springs, Long Canyon, Redhawk

6) Summary of Illicit Discharge Monitoring Program results, including: 1) All inspection, field screening, and analytical monitoring results; 2) All follow-up and elimination activities; and 3) Any proposed changes to station locations and/or sampling frequencies:

IC/ID dry weather station monitoring was not required during the reporting period. However, Appendix G contains summary reports for each IC/ID investigation initiated in the Santa Margarita Watershed by the District. These summaries include discussion of any monitoring, follow up and elimination activities undertaken by the District.

7) An assessment of overall program effectiveness based on the measurable goals established in the Permittee's Individual SWMP:

Not applicable to the FY 04-05 Annual Report.

8) Additional Comments/Information:

Describe the major accomplishments of the Illicit Discharge Detection and Elimination Component over the past year:

This year, the IC/ID program developed an SSO reporting and response procedure for the Santa Ana region and third-party non-stormwater discharge application form. Both of the forms are described in the DAMP and the District's Individual SWMP. The District currently coordinates the SSO procedures with several Water District's including EMWD and WMWD. The District plans to identify other sewerage agencies who may be willing to participate.

**7. ILLICIT DISCHARGE DETECTION AND ELIMINATION
(SECTION J of ORDER R9-2004-001) CONT.**

Summarize the internal and external education and outreach activities the Illicit Discharge Detection and Elimination Component has conducted over the past year:

During field investigations of complaint calls, field staff disseminates public education and outreach information to violators and adjacent residents/businesses. Other IC/ID education addressed through the public education program is described in the Watershed SWMP.

Summarize new activities or improvements to be implemented next year as a result of your self assessment of the Illicit Discharge Detection and Elimination Component:

A self-assessment is not required as part of the FY 04-05 Annual Report.

Other Comments:

8. PUBLIC PARTICIPATION

1) A description of efforts to include the public urban runoff management programs during the reporting period (i.e., river clean-ups, volunteer monitoring, Permittee council meetings related to the SWMP, etc.):

Process to incorporate public involvement by all interested parties in the development of the Individual and Watershed SWMP included:

- a) A Public Notice published on May 6, 2005 in both the Press Enterprise and the Californian, stating that the Permittees were preparing to develop the SWMP and were requesting public comment.
- b) A second Public Notice published on May 20, 2005 in both the Press Enterprise and the Californian, notifying the public of the completion of the draft SWMP, indicating where the draft SWMP could be accessed and requesting their input on the draft SWMP by June 22, 2005.
- c) A publicly noticed workshop noticed on May 20th and held on June 8, 2005 to discuss the Public Review Draft SWMP at the Murrieta City Hall's Council Chambers in Murrieta, during which San Diego Regional Board staff was in attendance.

Other public involvement programs included:

- a) Technical Advisory Committee meetings held on a monthly basis and are open to the public.
- b) Watershed Clean-up events held on September 25, 2004.

2) Additional Comments/Information:

Assessment of overall program effectiveness based on the measurable goals established in the Permittee's Individual SWMP:

Not applicable to FY 04-05 Annual Report.

Describe the major accomplishments of the Public Participation Component over the past year:

The Public Education Program has benefited from a new partnership with the County Environmental Health Department. This partnership provides violators of the County's stormwater ordinance with the opportunity to reduce fines by participating in a Supplemental Environmental Project (SEP) coordinated the MS4 public education program. Two (2) SEPs have been completed. The first SEP was used to develop a set of posters identifying proper BMPs for refuelers and gas station operators. The second SEP was used to fund a billboard adjacent to the 60 Freeway to advertise the MS4 Permittees 1-800 number. Additional SEPs will be coordinated as the opportunity arises.

8. PUBLIC PARTICIPATION (CONT.)

Summarize the internal and external education and outreach activities the Public Participation Component has conducted over the past year:

Other outreach activities and Public Participation program activities are discussed in the Watershed SWMP.

Summarize new activities or improvements to be implemented next year as a result of your self assessment of the Public Participation Component:

The District's Public Participation process requires:

- Notification of Preparation of any new permit compliance documents in newspapers and on District website;
- Notice of availability of draft compliance documents in newspapers and on District website;
- Notice of a 30 day public comment period concurrent with the release of the draft compliance documents; and
- A public workshop within the 30 day public comment period to incorporate verbal comments and discussion on the draft compliance documents.

The District is proposing no revisions to this component.

Other Comments:

9. FISCAL ANALYSIS COMPONENT

Fiscal Analysis Component - each Permittee shall include an annual fiscal analysis, for each fiscal year covered by Order No. R9-2004-001, in its Individual Annual Report. This analysis shall evaluate the expenditures (such as capital, operation and maintenance, education, and administrative expenditures) necessary to accomplish the activities of the Permittee's Individual SWMP. The analysis shall include the following:

- 1) A report of the previous reporting period's budget and a budget for the upcoming reporting period. To the extent possible, the budgets should be broken down by the following programs:**

Expenditures identified below reflect costs incurred by the District for implementing its own NPDES program and to implement the regional watershed programs. The District does not track its direct implementation costs separately. Nor does it track costs separately for many permit provisions. Costs are not directly tracked for the asterisked Program Elements identified below. However, a brief text description follows that identifies manpower requirements for those specific Program Elements.

In addition, District compliance costs increased significantly this year, mostly due to additional monitoring obligations under Board Order R9-2004-001. It is expected that compliance costs in 2006-2007 will stabilize near 2005-2006 levels.

Program Element	Fiscal Year 200X-200Y		Fiscal Year 200Y-200Z	
	Capital Expenditures	O&M/Admin Expenditure	Capital Expenditures	O&M/Admin Expenditure
Program Management	N/A	\$389,200	N/A	\$433,100
Annual Fee for MS4 NPDES Permit	N/A	N/A	N/A	N/A
Implementation Agreement Shared Cost	N/A	N/A	N/A	N/A
Construction Inspections*	N/A	~\$10,000	N/A	~\$10,000
Development Planning*	N/A	N/A	N/A	N/A
Industrial and Commercial Inspections	N/A	N/A	N/A	N/A
Illicit Connections & Illegal Discharges Program	N/A	N/A	N/A	N/A
Municipal Facilities and Activities	N/A	N/A	N/A	N/A
Public Education & Outreach	N/A	\$46,870	N/A	\$47,680
Monitoring Program	N/A	\$50,763	N/A	\$143,520
Other	N/A	\$52,870	N/A	\$81,120
Contributions to Other Programs	N/A	\$7,870	N/A	\$17,890
Total	N/A	\$557,573	N/A	\$733,310

9. FISCAL ANALYSIS COMPONENT (CONT.)

Construction Inspection – The District's construction inspectors are trained to address construction related NPDES issues associated with District administered construction projects (storm drains, channels, levees, basins, etc.). They perform these inspections as part of their normal duties. The District's NPDES Section staff also has an individual assigned to review SWPPPs associated with District administered construction projects. The NPDES staff person also provides a training presentation on NPDES related construction issues at construction project pre-construction meetings for the benefit of the contractor. Costs for Construction Inspection permit obligations with the Santa Margarita Watershed are recovered from the District's ad-valorem tax revenues collected within the Santa Margarita Region of the County.

Development Planning – The District's Development Review staff are responsible for reviewing proposed development projects in the unincorporated Riverside County area for compliance with the SWMP, recommending conditions of approval relative to water quality/NPDES and reviewing preliminary Project-Specific WQMPs and associated plans within the unincorporated County. Costs incurred by the District's Development Review and Plan Check staff for Development Planning permit obligations are recovered via development review and plan check fees charged to the development proponent.

2) A description of the source(s) of funds that were utilized during the previous fiscal year and the source(s) of funds proposed to meet the necessary expenditures for the subsequent year, including legal restrictions on the use of such funds.

Source of Funds	Capital Expenditures	Percent of Total Program Funding	Restrictions on Use (if applicable)
Santa Margarita Watershed Benefit Assessment Fund	\$378,000	47%	District NPDES compliance costs, excess funds used to fund regional NPDES activities.
Santa Margarita Watershed Permittee Implementation Agreement	\$416,000	52%	Regional NPDES Compliance Programs.
Zone 7 Ad-Valorem Tax Revenue	~\$10,000	1%	Costs associated with District's compliance with Municipal Construction component of Board Order R9-2004-001.
Developer Development Review/Plan Check Fees	Unknown	Unknown	Costs associated with review of proposed developments in the unincorporated County for compliance with the Development Planning provisions of Board Order R9-2004-001.
TOTAL	\$804,000	100%	

9. FISCAL ANALYSIS COMPONENT (CONT.)

3) Additional Comments/Information:

The Permittees are working with other stakeholder groups to leverage funds for regional planning objectives including:

Prop 13 Grant Funds – Working cooperatively with San Diego County to implement a Watershed Management Plan for the Santa Margarita River Watershed.

Stormwater Monitoring Coalition – Partnering with other Southern California Coastal Watershed Research Project, other Southern California Counties and other stakeholders to fund monitoring projects to address high priority water quality issues including development of an appropriate bioassessment metric, determining natural background concentrations of several key pollutants in Southern California watersheds, developing Numeric Criteria for addressing Hydrologic Conditions of Concern, and funding a lab intercalibration study.

Santa Margarita Executive Management Team – Partnering with the Bureau of Land Management and other Santa Margarita Watershed stakeholders to develop water quality models of the Santa Margarita Watershed to help assess pollutant problems and sources within the Santa Margarita Watershed.

Mission Resource Conservation District – Partnering with local upper Santa Margarita stakeholders through the Mission Resource Conservation District to implement watershed education, monitoring, and clean up programs.

10. NON-STORM WATER DISCHARGES

Permittees shall report on any discharge category listed in Requirement B.2 of Order No. R9-2004-001 that was identified as a source of pollutants during the reporting period. For each identified category, the Permittee shall report whether it elected to prohibit the discharge or to require BMPs to reduce pollutants in the discharge to the MEP. If the discharge is not prohibited, the BMPs that will be implemented, or required to be implemented, shall be described in each Permittee's Individual SWMP Annual Report.

Category	Prohibited	BMP to be Implemented
Diverted stream flows	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Not Applicable, no applications
Rising ground waters	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Not Applicable, no applications
Uncontaminated ground water infiltration [as defined at 40CFR35.2005(20)] to MS4s	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Not Applicable, no applications
Uncontaminated pumped ground water	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Not Applicable, no applications
Foundation drains	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Not Applicable, no applications
Springs	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Not Applicable, no applications
Water from crawl space pumps	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Not Applicable, no applications
Footing drains	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Not Applicable, no applications
Air conditioning condensation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Not Applicable, no applications
Flows from riparian habitats and wetlands	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Not Applicable, no applications
Water line flushing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Not Applicable, no applications
Landscape irrigation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Not Applicable, no applications
Discharges from potable water sources not subject to NPDES Permit No. CAG679001, other than water main breaks	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Not Applicable, no applications
Irrigation water	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Not Applicable, no applications
Lawn watering	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Not Applicable, no applications
Individual residential car washing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Not Applicable, no applications
Non-emergency fire fighting flows	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Not Applicable, no applications
Dechlorinated swimming pool discharges	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Not Applicable, no applications

Additional Comments/Information:

The District requires a third-party non-stormwater discharge application form to be completed for any encroachment involving a non-stormwater discharge into District facilities. The application requires the

10. NON-STORM WATER DISCHARGES (CONT.)

applicant to characterize the discharge, including a chemical analysis of the flow when possible. Where the discharges would contain contaminants exceeding receiving water standards, BMPs are required or the discharge would be prohibited. Since initiating this program in FY 04-05 no applications have been prohibited.

11. RECEIVING WATER LIMITATIONS

This section includes the report required pursuant to Requirement C.2.a. of Order No. R9-2004-001, if applicable.

Requirement C.2.a. states:

“Upon a determination by either a Permittee or the SDRWQCB that MS4 discharges are causing or contributing to an exceedance of an applicable water quality standard, the Permittee shall promptly notify and thereafter submit a report to the SDRWQCB that describes BMPs that are currently being implemented and additional BMPs that will be implemented to prevent or reduce any pollutants that are causing or contributing to the exceedance of water quality standards. The report may be incorporated in the SWMP Annual Report unless the SDRWQCB directs an earlier submittal. The report shall include an implementation schedule. The SDRWQCB may require modifications to the report.”

The District has not identified any pollutants that are contributing to an exceedance of an applicable receiving water standard. A detailed review of monitoring data is included in the Watershed SWMP.

12. ADDITIONAL URBAN RUNOFF DATA

This section is a summary of all urban runoff related data not included in the annual monitoring report (e.g., special investigations).

The District did not undertake any supplemental data that is not reported in the Annual Monitoring Report.

13. PROPOSED REVISIONS

This section includes proposed revisions to the Individual SWMP, including areas in need of improvement based on the assessment of effectiveness of each program component.

The programs described in the Individual SWMP were to be implemented as of July 14, 2005, which is after the current reporting period. Therefore, sufficient expertise and data has not been collected to recommend any needed revisions. Further, effectiveness analyses were not required as part of the FY 04-05 Annual Report.

ATTACHMENT A

WQMP EXAMPLE CONDITIONS

PRE-APPLICATION REVIEW 663 CONDITIONS OF APPROVAL

10. FLOOD RI. 1 PAR FLOOD HAZARD REPORT

PAR 663 is a proposal for a 40-unit mobile home park with a golf course in the Anza area. The property is located north of Bautista Road, east of Howard Road, south of Wheat Road, and west of Fortner Road.

Sheet-flow runoff from 48 acres of surrounding hillside approaches the site from the east. A portion of this watershed forms a concentrated minor watercourse approaching the proposed location of golf hole #3. The tentative proposal shall include a means of accepting these flows and conveying them safely through the property. This may include eliminating lots to provide flow through area for the watercourse. A watercourse draining 173 acres approaches the site's northern boundary without a clearly defined path, and may flood northern portions of the property. The exhibit indicates that no improvements are planned in the northern portion of the property.

The development of this site would adversely impact downstream property owners by increasing the rate and volume of flood flows and detracting from water quality. Mitigation shall be required to offset such impacts. The District would accept a volume based BMP as mitigation for both increased runoff and water quality. Please see the District's Stormwater Quality Best Management Practice Design Handbook at:

www.floodcontrol.co.riverside.ca.us/districtsite/default.asp?pagename=NPDES

for BMP design criteria and procedures. All on-site runoff shall be directed into the BMP facility and the outlet shall be designed to respect current drainage patterns, which sheet flow to the west.

In order to comply with the Riverside County Water Quality Management Plan (WQMP), the developer shall prepare a Project Specific WQMP for this development. A Preliminary Project Specific WQMP shall be submitted along with the land-use application package.

10 FLOOD RI. 23 PAR SUBMIT PRELIM WQMP

The Santa Ana Region and San Diego Region Regional Water Quality Control Boards have adopted Board Orders R8-2002-0011 and R9-2004-001, respectively, in compliance with the federal National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Clean Water Act requirements. These Board Orders regulate the discharge of pollutants from the County's MS4, and require the County to implement measures to mitigate the water quality impacts of new developments within its jurisdiction. In compliance with these Board Orders, and Beginning January 1, 2005, projects submitted within the western region of the unincorporated area of Riverside County for discretionary approval will be required to comply with the Water Quality Management Plan for Urban Runoff (WQMP). The WQMP addresses post-development water quality impacts from new

development and redevelopment projects. The WQMP requirements will vary depending on the project's geographic location (Santa Ana, Santa Margarita or Whitewater River watersheds). The WQMP provides detailed guidelines and templates to assist the developer in completing the necessary studies. These documents are available on-line at: www.floodcontrol.co.riverside.ca.us/districtsite/default.asp?pagename=NPDES

To comply with the WQMP a developer must submit a "Project Specific" WQMP. This report is intended to a) identify potential post-project pollutants and hydrologic impacts associated with the development; b) identify proposed mitigation measures (BMPs) for identified impacts including site design, source control and treatment control post-development BMPs; and c) identify sustainable funding and maintenance mechanisms for the aforementioned BMPs. A template for this report is included as 'exhibit A' in the WQMP. A final Project Specific WQMP must be approved by the District prior to issuance of building or grading permits.

Projects requiring Project Specific WQMPs will also need to include a PRELIMINARY Project Specific WQMP along with the land-use application package. The format of the PRELIMINARY report must mimic the format/template of the final report but could be at a lesser level of detail. For example, points a, b & c above must be covered, rough calculations supporting sizing must be included, and footprint/locations for the BMPs must be identified on the tentative exhibit. Detailed drawings will not be required.

ATTACHMENT B

TRAINING LOGS

Training Participants for the District 04-05

Construction Training for October 19, 2004

Penny Nanney
Tina Tuason
Arlene Chun

Construction Training for April 26, 2005

Arlene Chun
Gene Lewis
Gary Lundberg
Steve Samonte

Construction Training for May 3, 2005

Dale Anderson
Tim Fagg
Dario Samonte

Municipal Training for October 21, 2004

Arlene Chun
Penny Nanney
Tina Tuason
Larry Vidano
Richard Seager
Ed Underhill

Municipal Training for April 26, 2005

Arlene Chun

Municipal Training for May 3, 2005

Dale Anderson
Tim Fagg
Dario Samonte

Industrial Commercial Facility Inspections for October 27, 2004

Penny Nanney
Tina Tuason
Arlene Chun
Florence Mowrer

Industrial Commercial Facility Inspections for April 27, 2005

Arlene Chun
Mike Luna
Brent Mytinger
Henry Olivo

WQMP Training for November 10, 2004

Kris Flanigan
Penny Nanney
Florence Mowrer
Jennifer Otterson

WQMP for May 4, 2005

No District attendees

WQMP Training for November 15, 2004

Arlene Chun
Kent Allen
Bob Cullen
Tina Tuason

WQMP Training for April 27, 2005

Kris Flanigan
Jennifer Gale
David Garcia
Amy Johnson
Shaheen Mooman
Florence Mowrer
Penny Nanney
Jennifer Otterson
Eric Russell
Arlene Chun
Tom Rheiner

ATTACHMENT C

ENCROACHMENT PERMIT LOG

DATE	PERMIT NUMBER PERMITTEE	CHANNEL NAME DWG. NO. / STS	TRACT OR PARCEL MAP NO. AGENCY PROJECT NAME	FILING	FEE PAID	ENTERED DATABASE	PERMIT WRITTEN	INSPECTION FEE PAID	INSURANCE CERT. IN	COMPLETED OR CLOSED	DATABASE UPDATED	AS BUILTS PLOTTED
8/5	4-0-0110-2785 EMWD	SALT CREEK 4-169/6	19" WELL WATER CONNECTION PARCEL MAP 30158	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8/9	1-0-0240-2786 FRANCIS SENIOR PARTNERS	PROEN'S AVE. STORM DRAIN 1-394/18	42" CONNECTION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8/10	7-0-0143-2787 SCE	MARIETA LINE F 7-200/3	ELECTRICAL LINE RELOCATION 36" RCP CONNECTION TRACT 92031	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8/11	2-0-0070-2788 Firestone Mantant	CONS OF ENGINEERS SHEET 12 Oak St. Drain	TRACT 92031	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8/19	2-0-0256-2789 COBONA HILLS, LLC	MC BRIDE 2-243/2	PARCEL MAP 30240 36" RCP CONNECTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8/23	5-0-0020/0140-2790 VERIZON CALIFORNIA	NOBLE CREEK 4 MONTHLY VIEW 5-78/1A 5-111/2	INSTALL 2" COMMUNICATION DUCT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8/26	1-0-0020-2791 KLEINFELDER	ARLINGTON 1-483/3	SOIL BORINGS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8/26	1-0-0120-2792 FIDELITY HOMES, INC.	UNIVERSITY WASH 1-346/3	TRACT 30922-3 66" RCP CONNECTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9/1	2-0-0152-2793 CCG NORCO, LLC	SO. NORCO SB BASIN	ACCESS FOR RETAINING WALL CONSTRUCTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9/8	4-0-0010-2794 HERITAGE HOMES	PERRIS VALLEY 4-103/5	TRACT 31178 60" RCP CONNECTION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

REPLACED BY
AN AGREEMENT

DATE	PERMIT NUMBER PERMITTEE	CHANNEL NAME DWG. NO./SIS	TRACT OR PARCEL MAP NO. AGENCY PROJECT NAME	FILING FEE PAID	ENTERED DATABASE	PERMIT WRITTEN	INSPECTION FEE PAID	INSURANCE CERT. IN	COMPLETED OR CLOSED	DATABASE UPDATED	AS BUILTS PLOTTED
9/9	2-0-0050-2795 SPECTROM LAND SERVICES	TEMESCAL 2-186/3	INSTALL AERIAL UTILITY LINE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9/9	1-0-0250-2796 JUNIPER COMMUNITY SERVICES DISTRICT	DAY CREEK 1-519/2	POTABLE WATER TEMPORARY DISCHARGE LINE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9/10	2-0-0310-2797 H. HOVNANIAN	EASTVALE FINEE 2-293/7	TRACTS 31107 2" ACP CONNECTIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9/15	4-0-0025-2798 WINDROW EARTH TRANSPORT	POTRERO BASIN 4-737/3	SEDIMENT REMOVAL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9/19	4-0-0210-2799 EMND	HEMET STORM CHANNEL	2" APRENDED WATERLINE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9/21	4-0-0090-2800 TRI BUICK POSITIVE CORP.	FLORIDA AVE. STORM DRAIN 4-121/3	AUTO SALES PARKING TRACT 31255	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9/21	4-0-0360-2801 VINH Q. TRAN	SUNNYHEAD LINES		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9/22	5-0-0020-2802 PAGSONS	NOBLE CREEK 5-54/1	2" WATERLINE INSTALLATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9/22	1-0-0150-2803 HLEINFELDER	ANZA CHANNEL 1-302/9	DRILL HYDR-PUNCH BORINGS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10/10/04	4-0-0010-2804 PHG + Associates	PEBBIS VALLEY 4-103/4	5 CELL BOX culvert PINDER ST.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

DATE	PERMIT NUMBER PERMITTEE	CHANNEL NAME DWG. NO./STS	TRACT OR PARCEL MAP NO. AGENCY PROJECT NAME	FILING	ENTERED DATABASE	PERMIT WRITTEN	INSPECTION FEE PAID	INSURANCE CERT. IN	COMPLETED OR CLOSED	DATABASE UPDATED	AS BUILTS PLOTTED
10/4	6-0-0010-2805 CITY OF CATHEDRAL CITY	EAST, WEST, & NORTH CATHEDRAL CANYON CHAN. 6-5011-3, 4-5216 26, 2-1991, 3-14	EXPLOSION PROTECTIVE TRACT 31893 36" SD CONNECTION	NO		✓	MPA	●			
10/14	5-0-0180-2806 PAROEE HOMES	HIGHLAND ST/DRY CH. 5-138/6	TRACT 31893 36" SD CONNECTION	✓		✓	✓	✓			
10/19	1-0-0020-2807 CITY OF RIVERSIDE	ARLINGTON	16" WATERLINE INSTALLATION	NO		✓	MPA	●			
10/22	4-0-0020-2808 Arroyo Mission/Moral	BAPTIST CH. CH.	PAVE ROAD	✓							
10/26	4-0-0280-2809 CAMEO HOMES	KIRBY ST CH, SD2	STORM DRAIN CONNECTIONS	✓							
10/28	4-0-0120-2810 Merritt Homes	SAN JACINTO CREEK 4-708/3	TRACT 31296 SD CONNECTION	✓							
10/28	4-0-0110-2811 WESS & ASSOC.	SALT CREEK 4-786/11	RICE RD. EXTENSION ROAD CROSSING	✓		✓	●	●			
11/4	4-0-0250-2812 OSCOPE DEVELOPMENT	Parkhill Basin 4-270/4	TRACT 31576 60" CONNECTION	✓		✓	✓	✓			
11/5	4-0-120-2813 JAMES W. UHLAND & ASSOC.	SAN JACINTO CREEK 4-270/4	TRACT 30878 4 ACP CONNECTIONS	✓		✓	✓	✓			
11/19	4-0-0702-2814 WESTERN PACIFIC HOUSING	MORENO VALLEY MUD LINE 1 4-647/4	SEE ELECTRICAL CONDUIT INSTALLATION.	✓	NO TRACT	NO TRACT	NO R/W	NO D/S	✓		

DATE	PERMIT NUMBER PERMITTEE	CHANNEL NAME DWG. NO./STS	TRACT OR PARCEL MAP NO. AGENCY PROJECT NAME	FILING	ENTERED DATABASE	PERMIT WRITTEN	INSPECTION	FEE PAID	INSURANCE CERT. IN	COMPLETED OR CLOSED	DATABASE UPDATED	AS BUILTS PLOTTED
11/15	6-0-0010-2815 PUDMAS	ENT CANYON	48" RCP CONNECTION	✓	○	✓	✓	○	●	○	○	○
11/15	4-0-0190-2816 S. CAL. GAS CO.	CREMONT	6" GAS LINE INSTALLATION	✓	○	✓	N/A	○	○	✓	○	●
11/29	6-0-0040-2817 DATELAND CONSTRUCTION	PALM CANYON	SEDIMENT REMOVAL	✓	○	✓	✓	○	✓	○	○	○
12/1	7-0-0262-2818 CENTEX HOMES	DEER HOLLOW RD. STEAM DRAIN 7-343/11	TRACT 23065 18" RCP CONNECTION	✓	○	○	○	○	○	○	○	○
12/8	4-0-0115-2819 LENNAR HOMES	BRADLEY RD 4-550/243	TRACT 30040 BLOCK WALL CONSTRUCTION	✓	○	✓	✓	○	✓	○	○	○
12/9	4-0-0110-2820 EMWD	SALT CREEK 4-786/243	LOWER WATERLINE VALVES TO GRADE	✓	○	✓	N/A	○	✓	○	○	○
12/13	5-0-0190-2821 BRISCO UNDERGROUND	HOUGHTON VIEW 5-111/	8" SEWER INSTALLATION	✓	○	✓	N/A	○	✓	○	○	●
12/13	1-0-0230-2822 FAR WEST INDUSTRIES	JURUPA BASIN	36" RCP CONNECTION	✓	○	○	○	○	○	○	○	○
12/15	4-0-0120-2823 EMPIRE HOMES	SAN JACINTO LINE 2 N/A	TRACT 30481 TEMPORARY EMERGENCY SPILLWAYS	✓	○	✓	N/A	○	●	○	○	N/A
12/17	4-0-0120-2824 GATEWAY INLAND	SAN JACINTO LINE 2 N/A	TRACT 3094A TEMPORARY EMERGENCY SPILLWAYS	✓	○	✓	N/A	○	✓	○	○	N/A

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12/20	4-0-0010-2825 IDI	PERRIS L.A. B	18" CMP CONNECTION	✓	○	○	○	○	○	○	○	○	○	○
12/22	4-0-0020-2826	SAN JACINTO RIVER	SEDIMENT REMOVAL	✓	○	○	○	○	○	○	○	✓	○	MA
12/22	WINDROW EARTH TRANSPORT	WARMSPRINGS CREEK	SEDIMENT REMOVAL	✓	○	○	○	○	○	○	○	✓	○	MA
12/22	4-0-0760-2827	WINDROW EARTH TRANSPORT	SEDIMENT REMOVAL	✓	○	○	○	○	○	○	○	○	○	MA
12/23	4-0-0120-2828	SAN JACINTO LINE B	TRACT 30318 TEMPORARY EMERGENCY SPILLWAYS	MA ✓	○	○	✓	MA	○	✓	○	○	○	MA
12/23	GRIFFIN COMMUNITIES	N/A	PARCEL MAP 31043	✓	○	○	○	○	○	○	○	○	○	○
12/24	7-0-0143-2829	MURRIETA LINE A	36" RCP CONNECTION	✓	○	○	○	○	○	○	○	○	○	○
12/28	NEAL-CAL CORPORATION	7-200/19	36" RCP CONNECTION	✓	○	○	○	○	○	○	○	○	○	○
1/3/28	4-0-0104-2830	SUNNYHEAD LINE B	36" RCP CONNECTION	✓	○	○	○	○	○	○	○	○	○	○
1/3/05	HARRIS & ASSOCIATES	PAYHILL RETEN- TION BASIN	18" RCP CONNECTION	✓	○	○	○	○	○	○	○	○	○	○
1/3/05	4-0-0350-2831	4-265/3 SAN JACINTO LINE B	TRACT 20445-1 TEMPORARY EMERGENCY SPILLWAYS	MA ✓	○	○	○	MA	○	✓	○	○	○	MA
1/4	SAGEFIELD HOMES	4-0-0120-2832	TRACT 30328-1	MA ✓	○	○	○	○	○	○	○	○	○	MA
1/4	BUIE SAN JACINTO LLC	N/A	GRADING FOR RETAINING WALL	✓	○	○	○	○	○	○	○	○	○	○
1/4	4-0-0110-2833	SALT CREEK	SIX RECHARGE BASINS	✓	○	○	○	○	○	○	○	○	○	○
1/7	4-0-0110-2833	SALT CREEK	SIX RECHARGE BASINS	✓	○	○	○	○	○	○	○	○	○	○
1/7	FIELDSTONE COMMUNITIES	4-196/10 SAN JACINTO RIVER	GRADING FOR RETAINING WALL	✓	○	○	○	○	○	○	○	○	○	○
1/18	4-0-0020-2834	SAN JACINTO RIVER	SIX RECHARGE BASINS	✓	○	○	○	○	○	○	○	○	○	○
1/18	EMWD			✓	○	○	○	○	○	○	○	○	○	○

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1/24	3-0-0030-2835 SUE	LIME ST. 3-85/3	AERIAL POWERLINE INSTALLATION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1/28	2-0-0150-2836 CITY OF NORCO	SOUTH NORCO 2-110/9	WOOD LOGS STORAGE/SALES	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2/1	2-0-0050-2837 STATION BARRIERS	TRUSS/CEILING 2-204A/2	36" RCP CONNECTION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2/2	6-0-0050-2838 CANISE DEVELOPMENT	TANGREYAN CREEK 6-212/17	TRACT 28966 SEWER LATERAL INSTALLATIONS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2/7	6-0-0040-2839 DESERT WATER AGENCY	PAUM CANYON WASH 6-114/4	12" DRAIN PIPELINE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2/8	7-0-0020-2840 WINDBORN EARTH TRANSPORT	MURKETA CREEK BASIN	SEDIMENT REMOVAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2/8	4-0-0020-2841 LENNAR Communities	4-708/10 San Trinitas Cir E 2 PAUBA ROAD SD	TRACT 30603 PUMP STATION Steel Drum Connection	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2/9	7-0-0411-2842 LINFIELD CHRISTIAN SCH.	7-157/3 MCVICKER CANYON	36" RCP STORM DRAIN CONN.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2/22	3-0-0026-2843 HARRIS Bee Company	3-159 FLORIDA AVE. STARR DRAB	BEETHIVES	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2/24	4-0-0090-2844 ACACIA DEVELOPMENT	4-121/2	18" RCP CONNECTION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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2/15	1-0-0010-2895 LA RIVERA VILAS, LLC	Santa Ana River 1-310/7	TR 30922 BATH DRAINAGE SWALE & CONCRETE GIBBON OUTLET	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3/1	7-0-0060-2846 CITY OF TEMECULA	SANTA GERTRUDIS 7-149/118/12 EAST CATHEDRAL CANYON	SOIL BORINGS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3/8	6-0-0010-2847 THE BEDFORD GROUP			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3/9	4-0-0520-2848 MDS CONSULTING	PERRIS VALLEY LINE 5 4-772/26	CHANNEL IMPROVEMENT TRACT 22833 18" RCP CONNECTION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3/14	6-0-0040-2849 LAGUNA FALLS POOLS & SPA	PANCAJUAL WASH		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3/17	3-0-0120-2850 CORNWALL LEIGH - TOTAL	4 CORNERS STEAM DRAIN 3-110/8 3-116/13	POOL CONSTRUCTION ACCESS TRACT 32008	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3/24	2-0-0050/0070-2851 CITY OF CORONA	TEHESCAL CHANNEL STORM ST. CHANNEL 2-106/10 2-238/10 2-250/21	2-24" RCP CONNECTIONS RECYCLED WATERLINES	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3/30	2-0-0303-2852 CORONA NEIGHBORHOOD SCHOOL DISTRICT	ESTRINE LINE B 1-300/1 PERRIS VALLEY CHANNEL DATA		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3/31	4-0-0008-2853 ALERE PROPERTY GROUP	4-617/10 SUNNY MEADOW CRET 4-579/5	2-RCP STORM DRAIN CONNECTIONS 2-RCP STORM DRAIN CONNECTIONS 50 CONNECTION - 36" SPORTS & RECREATION CENTER	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4/4	4-0-0102-2854 Fusco2 Engineering			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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4/5	Y-0-0120-2855 Merritt & Homes	San Jacinto Line 4-108/5	TR 31296 Remainder well	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4/11	Z-0-0140-2856 R & J INVESTMENTS	NORTH NADCO 2-169/10	30" STORM DRAIN CONNECTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4/11	L-0-0250-2857 SPACE CENTER MIRA LOMA	DAY CREEK 1-507/4	54" RCP CONNECTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4/12	Z-0-0310-2858 ALBERT A. WEBB	PRIVATE LINE F 2-304/2	TRACT 31606 18" RCP CONNECTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4/12	L-0-0250-2859 TIRUPA COMMUNITY SERVICES DST	DAY CREEK	24" WATERLINE INSTALLATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4/14	Z-0-0100-2860 K. HOVNANIAN/FORECAST HOMES	W. ELSINORE LINE B 3-147/3 3-149/3-5	TRACT 30789 TEMPORARY WATERLINE INSTALLATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4/18	Z-0-0131-2861 NEWPORT BAY HOLDINGS	MURRIETA LINE E 7-295/2	LOWES/KOHL'S CENTER	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4/21	A-0-0110-2862 WINCHESTER VALLEY LLC	SALT CREEK 4-786/6-11	2-18" RCP CONNECTIONS CPR 05-02405-03	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4/25	Z-0-0070-2863 SAMTA ANA WATERSHED AUTHORITY	LATE ELSINORE QUILLET CHANNEL 3-162/C14-C17 3-152/485A	15"-21" SEWERLINES BIRD SQUARE 45	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4/27	Z-0-0051-2864 CHANDLER REAL PROPERTIES	TEHESCAL WASH 2-199/243	PARCEL MAP 23271 12" WATERLINE INSTALLATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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4/1	4-0-0110-2865	SALT CREEK	TRACT 30090	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3/7	LENNAR HOMES	4-169/5	8" SEWERLINE INSTALLATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5/4	4-0-0120-2866	SM TAJUNTO LINEE	TRACT 30603	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5/4	LENNAR COMMUNITIES 4-0-0271-2867	4-708/10 PERRIS VALLEY 1003	60" RCP CONNECTION REMOVE FENCE FOR WATER- LINE INSULATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5/5	HAROLD INVESTMENTS	4-251/4	PERRIS VALLEY AUTO CENTER	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5/5	4-0-0747-2868	SUNNYSIDE LINES	TRACT 31243	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5/5	BEAZER HOMES	4-493/10	24" RCP CONNECTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5/5	4-0-0760-2869	MORENO VALLEY LINE F-8	TRACT 31244	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5/10	BEAZER HOMES	4-509/2	24" RCP CONNECTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5/10	5-0-0020-2870	NOBLE CREEK	EMERGENCY OVERFLOW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5/10	PARSONS	ANZA CHANNEL STAGE II		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5/10	CITY OF RIVERSIDE	1-319/7	19" RCP CONNECTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5/12	7-0-0184-2872	WINDYBENDER RD STORM DRAIN		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5/12	ROBERT FUHR	7-152/3	2-18" RCP CONNECTIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5/16	6-0-0040-2873	PALM CANYON WASH		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5/16	CHT INCORPORATED	6-258/2	EXPERATORY BORINGS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5/16	4-0-0110-2874 RIVERSIDE COUNTY TRANSPORTATION DEPT.	SALT CREEK 4-780/7411	BRIDGE CONSTRUCTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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5/24	4-0-0110-2875 K & A ENGINEERS	Solt Creek	AUDIE MURPHY RAUGH (Underground Crossing)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
5/25	7-0-8184-2876 SCE	MURRIETA LINE 7-200/6 7-447/2	ELECTRICAL CONDUIT INSTALLATIONS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
5/25	2-0-0300-2877 SCE	COUNTY LINE 2-315/22	ELECTRICAL CONDUIT INSTALLATION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6/2	1-0-0191-2878 I W CONSULTING ENGINEERS	MAGNOLIA CENTER STOREY DRAIN 1-291/1	24" RCP CONNECTION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
6/7	1-0-0210-2879 THE GAS COMPANY	LINCOLN ST. 1-275/9	4" 40' GAS LINE INSTALLATION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
6/13	6-0-0050-2880 ALEJO CABALLEROS II	TANQUEVAH DRAIN LET 6-212/29	TRACT 33577 18" RCP CONNECTION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6/13	4-0-0009-2881 ALBERT A. WEBB	PERA'S LATERAL B 4-791/989	PARCEL MAP 31832 3" RCP CONNECTIONS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6/13	1-0-0171-2882 CITY OF BIVERSIDE	ARIZONA LINE 1-447/2 1-447/6	3" RCP CONNECTIONS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6/21	7-0-0143-2883 NEAR-CAL CORPORATION	MURRIETA LINE 7-200/6, 14 & 16	PARCEL MAP 31093 RCP EXTENSION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6/27	6-0-0050-2884 CALISE DEVELOPMENT	TANQUEVAH DRAIN OUTLET 6-212/17	TRACT 28966 24" RCP CONNECTION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

PERMIT NOT REQUIRED.

DATE	PERMIT NUMBER PERMITTEE	CHANNEL NAME ENG. NO./SIS	TRACT OR PARCEL MAP NO. AGENCY PROJECT NAME	FILING	FEE PAID	ENTERED DATABASE	PERMIT WRITTEN	INSPECTION	FEE PAID	INSURANCE CERT. IN	COMPLETED OR CLOSED	DATABASE UPDATED	AS BUILTS PLOTTED
6/27	4-0-0090-2885 CITY OF HEMET	FLORIDA AVE. STORM DRAIN 4-122/6	24" RCP CONNECTION PARCEL MAP 29315	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7/1	3-0-0040-2886 GREENBERG FARBOW	SAKE FLSWORE COURT 3-183/6-16	8" RCP CONNECTION TRACT 32707	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7/13	4-0-0010-2887 STRATFORD RANCA PARTNERS	PERKINS VALLEY CHANNEL 4-731/2	18" RCP CONNECTION TRACT 32708	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7/13	4-0-0010-2888 STRATFORD RANCA PARTNERS	PERKINS VALLEY CHANNEL LATE B 4-100/1	18" RCP CONNECTION TRACT 32708	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7/13	7-0-0060-2889 B.H. CARVER WEST	SANTA GERTRUDIS	TEMPORARY FENCE REMOVAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7/13	4-0-0010-2890 KB HOME	PERKINS VALLEY 4-901/2342A	TRACT 31416 3 STORM DRAIN CONNECTIONS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7/13	1-0-0230-2891 FAR WEST INDUSTRIES	JURUPA 1-439/6	TRACT 31301 18" RCP CONNECTION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7/15	2-0-0050-2892 CAMP, DRESSER, & HICKER	TEHESCAL 2-186/7	SURVEILLANCE CAMERA INSTAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7/15	7-0-0070-2893 D. B. HOBTON	WILDOMAR 7-91/4	TRACT 30297 9" SEWER LINE INSTALLATION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7/18	LAND DEVELOPMENT DESIGN 4-0-009-2894	PERKINS VALLEY CH. 4-791/9	18" STORM DRAIN CONNECTION INDIAN AVE. AND CLELAND AVE. STREET IMPROVEMENT PLANS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ATTACHMENT D

ENCROACHMENT CONDITIONS

AND

CONTRACT STANDARD SPECIFICATIONS

1. **PERMITTEE AND CITY OF _____ MUST NOTE THAT THIS DEVELOPMENT HAS NOT HAD RIVERSIDE COUNTY FLOOD CONTROL DISTRICT REVIEW. THE FLOOD CONTROL DISTRICT SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE DEVELOPMENT, OR DAMAGE RESULTING FROM THE DEVELOPMENT, AS A RESULT OF FLOOD FLOWS. THIS RESPONSIBILITY LIES SOLELY WITH THE CITY OF _____.**
2. All construction shall be performed in accordance with the appropriate provisions of the Standard Specifications for Public Works Construction, latest edition, unless otherwise stated below.
3. Prior to the issuance of the encroachment permit, the applicant or the contractor performing the work shall furnish a certificate of insurance specifying comprehensive liability limits of \$2,000,000 per occurrence and \$2,000,000 general aggregate. The applicant, the District, the County of Riverside and any municipal corporation, within which the work is to be performed, shall each be named as an additional insured. Alternatively, comprehensive liability limits shall be \$1,000,000 per occurrence, with \$2,000,000 general aggregate and a minimum of \$2,000,000 excess liability. This insurance shall remain in effect for the duration of the work. Please reference the encroachment permit number (shown on your receipt for the initial deposit) on the certificate of insurance.
4. Permittee's attention is called to all General and Special Provisions found on the reverse side of Sheet 1 of this permit.
5. The District requires 5 days written notice prior to commencing work. Notice shall be given by contacting the Permit Section at 951.955.1266 and submitting the completed attached Construction Starting Notice to the District.
6. The Permittee shall take photographs of the District right of way prior to construction if required to verify that the right of way has been returned to the original or better condition after construction completion.
7. In the event Permittee or contractor fails to give proper notice before starting work, Permittee's contractor shall be required to remove the backfill for inspection and/or reconstruction of the work described in this permit, as directed by District's Permit Engineer. In addition, after any period of inactivity of 3 working days or longer, the Permittee will again be required to notify the District at least one working day in advance of the resumption of work. Failure to properly notify the District could result in the permit being revoked.
8. Within 10 working days after completing construction, the Permittee shall fill out the attached Construction Completion Notice and submit it to the District. The District must receive the Construction Completion Notice before acceptance of the work authorized by this permit and before a refund of unused funds can be processed.
9. The applicant shall accept full responsibility for obtaining and complying with all applicable provisions of the appropriate regulatory permits. If the requested encroachment permit is for facilities that will be ultimately maintained by the District, the regulatory permits shall address both the construction and maintenance activities of these facilities in compliance with all applicable Federal, State and local regulations. These regulatory permits include, but are not limited to: a

Section 404 Permit issued by the U.S. Army Corps of Engineers in compliance with Section 404 of the Clean Water Act, a California State Department of Fish and Game Streambed Alteration Agreement in compliance with the Fish and Game Code Section 1600 et seq., and a 401 Water Quality Certification or a Report of Waste Discharge Requirements in compliance with Section 401 of the Clean Water Act or State Porter-Cologne Water Quality Act, respectively, from the appropriate Regional Water Quality Control Board. The applicant shall also be responsible for complying with all mitigation measures as required under CEQA and all Federal, State and local environmental rules and regulations. A copy of the above mentioned permits shall be submitted to the District for review and approval for all facilities that will ultimately be maintained by the District prior to District issuance of the requested encroachment permit. For projects that will not be maintained by the District a copy of the above mentioned permits shall be submitted to the District for the encroachment permit file. Mitigation measures may not be placed within District rights-of-way without prior approval from the General Manager-Chief Engineer.

10. If the proposed work is not in compliance with the existing authorized activities for the particular project stated in the Maintenance Agreement between the California Department of Fish and Game (CDFG) and the District, the Permittee shall be fully responsible for obtaining and providing the District with proof of a Streambed Alteration Agreement per Section 1600 of the Fish and Game Code authorizing the proposed work from CDFG prior to commencing any work. If the proposed work will be done under the existing Maintenance Agreement, a copy of the Maintenance Agreement must be kept at the work site along with a copy of this Encroachment Permit while work is being performed.

11. Proof of compliance with the approved Western Riverside Multiple Species Habitat Conservation Plan (MSHCP) shall be submitted to the District for proposed projects within the boundaries of the MSHCP. For projects previously approved by the County or Cities within the MSHCP, proof of compliance can be a receipt for the payment of the Mitigation Fees or other documents in coordination with the Western Riverside County Regional Conservation Authority. For projects within the MSHCP boundary that have not received approval from the County or Cities, the applicant must comply with all applicable requirements of the MSHCP and provide the District with proof of compliance prior to receiving the requested encroachment permit. Encroachment permits within the boundary of the MSHCP cannot be issued without compliance with the MSHCP mitigation requirements.

12. After the utility installation, as-built drawings of the utility locations(s) shall be submitted by the Permittee to the District. The Permittee or utility owner shall pothole to the precise location of the utility, if requested in the future by the District. The potholing shall be at the expense of the Permittee or utility owner.

13. The Permittee shall have the responsibility of relocating or removing the utility in the future if it is necessary to allow the District to access the flood control facility for maintenance purposes or to modify the size of the facility. The Permittee shall incur the cost of relocation or removal.

NPDES COMPLIANCE

1. **NPDES REQUIREMENTS:** Encroachment permit applications associated with new or redevelopment projects proposing to discharge stormwater or non-stormwater into District facilities must identify the structural and non-structural Best Management Practices (BMPs) to mitigate water quality impacts from the proposed project.

- a. ENCROACHMENT PERMITS WITHIN THE SANTA ANA OR SANTA MARGARITA WATERSHEDS: Projects within the Santa Margarita and Santa Ana watershed regions of Riverside County must meet the requirements of Section 6 of the Riverside County Drainage Area Management Plan (DAMP) for the Santa Margarita and Santa Ana watershed region of Riverside County (SA/SM DAMP). Encroachment permit applications for projects that meet the definition of new development or significant redevelopment per Section 6 of the SA/SM DAMP may demonstrate compliance by providing proof of completion of a project-specific Water Quality Management Plan (WQMP). Projects that do not meet the definition of new development or significant redevelopment per Section 6 of the SA/SM DAMP must demonstrate compliance with the structural and non-structural BMP requirements specified for other development projects per the requirements of Section 64.4 of the SA/SM DAMP. Submittal of plans identifying the location of post-construction BMPs can be used to demonstrate compliance with this requirement.
- b. Projects within the Whitewater Region of Riverside County must demonstrate compliance with Supplement A to the Riverside County DAMP for the Whitewater Region (WW DAMP). This may be accomplished by submitting plans demonstrating the location of approved post construction BMPs, or by submitting conditions of approval requiring compliance with Supplement A.

Encroachment permit applicants not associated with new or redevelopment projects who discharge stormwater or non-stormwater to District facilities must identify the necessary structural and non-structural BMPs to mitigate water quality impacts from the proposed project. The applicant must complete the Application for Third-Party Discharge to RCFC&WCD Facilities. The application form is available on-line at www.floodcontrol.co.riverside.ca.us/waterqualitynpdes.asp. It may be advisable to contact the NPDES representative listed on the form to determine what, if any, water quality sampling data may be needed to process the application.

Discharges to the District's stormwater facilities are regulated pursuant to the Federal Clean Water Act (CWA), the State Porter-Cologne Water Quality Control Act (WQCA) and local ordinances. **Any discharge containing pollutants or that is not entirely composed of stormwater is expressly prohibited unless the discharge is: 1) specifically exempted by law or regulation; 2) authorized by a National Pollutant Discharge Elimination System (NPDES) Permit; or 3) authorized by Waste Discharge Requirements (WDR) or a waiver thereof.** By accepting this Encroachment Permit, the Permittee warrants that he shall at all times remain fully informed of and comply with the applicable provisions of the CWA, WQCA, Code of Federal Regulations, California Water Code, local ordinances, and any applicable NPDES Permit(s), WDRs or waivers thereof. A general permit for discharges shall be obtained from the State Water Resources Control Board or Regional Water Quality Control Board as applicable for discharges of storm water associated with construction activity.

The District may, at any time, require the Permittee to provide evidence showing the proposed discharge is duly authorized by law, regulation or permit. Such evidence includes, but is not limited to, an individual NPDES Permit, a Waste Discharge Identification letter, a WDR or waiver thereof or other evidence satisfactory to the District.

The Permittee shall be solely responsible for all penalties and any liability provided by law resulting from Permittee's failure to comply with the requirements of any applicable NPDES Permit, WDR or waiver thereof. For the purposes of this paragraph, penalties and liabilities include, but are not

limited to, fines, civil penalties and other damages, whether assessed against the District, Contractor, permittee or his successors in interest, including those levied under the CWA, WQCA or local ordinance.

SECTION 6 - SPECIAL REQUIREMENTS

6.1 National Pollutant Discharge Elimination System (NPDES) – The Contractor shall comply with the requirements of Board Order No. R9-2004-001 (NPDES No. CAS0108766), NPDES Municipal Separate Storm Sewer Systems (MS4s), hereafter referred to in this Section as the "Permit", issued by the California Regional Water Quality Control Board (CRWQCB) – San Diego Region and the requirements of Section 5.2 of the District's Santa Margarita Region Storm Water Management Plan, referred to as "District SWMP". The Permit and District SWMP regulates both stormwater and non-stormwater discharges associated with Contractor's construction activities. The Contractor shall prepare and implement a Stormwater Pollution Prevention Plan (SWPPP) in accordance with Section 29 "Stormwater and Non-Stormwater Pollution Control" of the Detailed Specifications.

The Contractor's attention is directed to: 1) Section 29.2 "General Requirements" which allows the Engineer to withhold progress payments if the Contractor fails to fully implement Section 29 "Stormwater and Non-Stormwater Pollution Control" or is deemed to be in non-compliance with provisions of the General Permit; 2) Section 29.3 "Stormwater Pollution Prevention Plan Preparation and Approval" which requires that a SWPPP be prepared and approved prior to the Pre-Construction meeting; and 3) Section 29.7 "SWPPP Implementation" which allows the Engineer to suspend construction operations if the Contractor fails to implement the approved SWPPP and any amendments thereto.

SECTION 29 – STORMWATER AND NON-STORMWATER POLLUTION CONTROL

29.1 Description – The contract item Stormwater and Non-Stormwater Pollution Control shall include preparing, obtaining approval of, amending and implementing the Stormwater Pollution Prevention Plan (SWPPP) as required by the State Water Resources Control Board (SWRCB), the California Regional Water Quality Control Board (CRWQCB)-San Diego Region and by the District's Santa Margarita Region Stormwater Management Plan (District SWMP).

The SWPPP shall identify site specific Best Management Practices (BMPs) to be implemented during and after construction to minimize the potential pollution of stormwater runoff and receiving waters. The identified BMPs shall be practices designed to minimize or eliminate the discharge of pollutants from the construction site and Contractor's construction activities, including, but not limited to:

1. Good housekeeping practices for solid and sanitary/septic waste management, vehicle and equipment cleaning/maintenance, and material handling and storage.
2. Construction procedures such as stabilized construction access points, scheduling/phasing to minimize areas of soil disturbance, soil stabilization, and erosion/sediment control.
3. Incorporating the minimum BMPs identified in Section 5.2 of the District's SWMP.

The SWPPP shall also stipulate an ongoing program for monitoring and maintenance of all BMPs.

29.2 General Requirements – All activities performed by the Contractor for this project shall conform to the requirements of the statewide National Pollutant Discharge Elimination System (NPDES) General Permit (Permit No. CAS000002) for Discharges of Stormwater Runoff Associated with Construction Activity, hereafter referred to as the "General Permit", issued by the SWRCB. This General Permit regulates both stormwater and non-storm water discharges associated with Contractor's construction activities. A copy of this General Permit is included as Appendix "D" of these Specifications.

In the event The District incurs any Administrative Civil Liability (fine) imposed by the CRWQCB – San Diego Region, as a result of Contractor's failure to fully implement the provisions of this section "Stormwater and Non-Stormwater Pollution Control", the Engineer may, in the exercise of his sole judgment and discretion, withhold from payments otherwise due Contractor a sufficient amount to cover the Civil Liability. Liability may be in an amount up to \$27,500 per day per deemed occurrence.

ATTACHMENT E

REPORTS OF COLLECTED DEBRIS IN MS4



Riverside County Flood Control and Water Conservation District

Sediment Removal San Diego RWQCB

Filter ((((((Start Date Actual is after #7/1/04#) And (Start Date is through #6/30#)) And (rfc_activity contains "5129")) Or (rfc_activity contains "613")) Or (rfc_activity contains "616")) And (.\rfc zone contains "7"))

Activity Number: 5129 **Activity Name:** Sediment Removal
Zone 7 **Quantity:** 2,404.00
Total Quantity: 2,404.00 **Unit:** CY

Activity Number: 613 **Activity Name:** Dams - Stck Sediment
Zone 7 **Quantity:** 30.00
Total Quantity: 30.00 **Unit:** CY

Activity Number: 616 **Activity Name:** Sediment Removal
Zone 7 **Quantity:** 800.00
Total Quantity: 800.00 **Unit:** Cy



Riverside County Flood Control and Water Conservation District

Debris Removal San Diego RWQCB

Filter ((((((Start Date Actual is after #7/1/04#) And (Start Date is through #6/30#)) And
{rcfc_activity contains "7000"}) Or {rcfc_activity contains "404"}) And (rcfc zone contains "7"))

Activity Number: 7000

Activity Name: Debris taken out of Channels

Zone 7

Quantity: 101.10

Total Quantity: 101.10 **Unit:** Ton

ATTACHMENT F

**NEWLY ACCEPTED
FLOOD CONTROL FACILITIES**

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

WATER CONSERVATION DISTRICT

(IP NOS. 000075, 000072, & 000073)

GENERAL NOTES (RCFCWCD)

- THE CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL IMPROVEMENTS SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT'S M.O.U. STANDARD SPECIFICATIONS DATED SEPTEMBER 1984, AND DESIGN MANUAL STANDARD DRAWINGS DATED MAY 1971.
- IF AN ENCROACHMENT PERMIT IS REQUIRED FROM RIVERSIDE COUNTY FLOOD CONTROL CONTACT DALE AMERSONSKI AT 909/955-1288. THE DISTRICT MUST BE NOTIFIED TWO WEEKS PRIOR TO CONSTRUCTION.
- CONSTRUCTION INSPECTION WILL BE PERFORMED BY RIVERSIDE COUNTY FLOOD CONTROL CONTACT DALE AMERSONSKI AT 909/955-1288. THE DISTRICT MUST BE NOTIFIED TWO WEEKS PRIOR TO CONSTRUCTION.
- ALL STATIONING FOR LATERALS AND CONNECTOR PIPE REFER TO THE CENTERLINE INTERSECTION STATIONS.
- AT LEAST FORTY-EIGHT (48) HOURS BEFORE EXCAVATION, CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT AT 1-800-227-2800.
- ALL ELEVATIONS SHOWN ARE IN FEET AND DECIMALS THEREOF BASED ON U.S.C. & G.S. DATUM.
- ALL CROSS SECTIONS ARE TAKEN LOOKING DOWNSTREAM.
- ELEVATIONS OF UTILITIES ARE APPROXIMATE UNLESS OTHERWISE NOTED.
- OPENINGS RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES TO BE ABANDONED SHALL BE SEALED WITH 6" OF CLASS "B" CONCRETE.
- PIPE CONNECTED TO THE MAINLINE PIPE SHALL CONFORM TO JUNCTION STRUCTURE NO. 4 (S 229) UNLESS OTHERWISE NOTED.
- BEDDING PIPE WITH LESS THAN TWO FEET OF COVER SHALL CONFORM TO LOS ANGELES COUNTY FLOOD CONTROL STANDARD DRAWINGS 2-0213.3 AND 2-01777 FOR CONCRETE BACKFILL IN TRENCHES. ALL OTHER PIPE SHALL CONFORM TO REFC&MCD STD. DNG. MB15.
- "V" IS THE DEPTH OF INLET OF CATCH BASINS MEASURED FROM THE TOP OF CURB TO INVERT OF CONNECTOR PIPE.
- CATCH BASINS SHALL BE LOCATED SO THAT LOCAL DEPRESSION SHALL BEGIN AT EXISTING CURB RETURN JOINT, UNLESS OTHERWISE SPECIFIED.
- ALL CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED IN KIND AND AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED.
- LOCATIONS OF PUBLIC UTILITIES SHOWN HAVE BEEN DETERMINED FROM AVAILABLE INFORMATION. HOWEVER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE TRUE LOCATION OF ANY EXISTING UTILITIES AND TO EXERCISE PROPER PRECAUTIONS TO AVOID INJURY AND DAMAGE THERE TO.
- A SOILS INVESTIGATION BY LEIGHTON AND ASSOCIATES, INC., PROJECT NO. 11980108-001, SHALL BE INCLUDED AS A PART OF THESE PLANS. ALL WORK SHALL CONFORM TO RECOMMENDATIONS AS OUTLINED IN SAID REPORT.
- THE CONCRETE COVER ON THE INSIDE OF ALL REINFORCED CONCRETE PIPES MUST BE INCREASED TO PROVIDE A MINIMUM OF 1 1/2" OVER THE REINFORCING WHEN THE DESIGN VELOCITIES EXCEED 20 FEET PER SECOND. THE CONCRETE DESIGN STRENGTH IN THESE REACHES SHALL BE 1-4000 PSI FOR VELOCITIES EXCEEDING 20 FEET PER SECOND.

GENERAL NOTES (COUNTY TRANSPORTATION)

- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER / OWNER OR CONTRACTOR TO APPLY TO THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT, PERMIT SECTION, FOR AN ENCROACHMENT PERMIT FOR ALL WORK PERFORMED WITHIN PUBLIC RIGHT-OF-WAY, DEDICATED AND ACCEPTED FOR PUBLIC USE, AND TO BE RESPONSIBLE FOR SATISFACTORY COMPLIANCE FOR ALL CURRENT ENVIRONMENTAL REGULATIONS DURING THE LIFE OF CONSTRUCTION ACTIVITIES FOR THIS PROJECT. ADDITIONAL STUDIES AND / OR PERMITS MAY BE REQUIRED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING OF THE PROPOSED WORK AREA AND RELOCATION COSTS OF ALL EXISTING UTILITIES. PERMITS MUST INFORM COUNTY OF CONSTRUCTION SCHEDULE AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION.
- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT IMPROVEMENT STANDARDS AND SPECIFICATIONS, LATEST EDITION, COUNTY ORDINANCE NO. 461 AND SUBSEQUENT AMENDMENTS.
- ALL UNDERGROUND FACILITIES WITH LATERALS SHALL BE IN PLACE PRIOR TO PAVING THE STREET INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: SEWER, WATER, ELECTRIC, GAS, AND STORM DRAIN.

UNDERGROUND STRUCTURES

ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR OTHERS AND THOSE SHOWN ON THE RECORD EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE OWNER BY ACCEPTING THESE PLANS OR HOLDING IMPROVEMENTS PURSUANT THERE TO IS ASSUMING LIABILITY AND TO HOLD UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNER. NOT INDICATED ON THE RECORDS EXAMINED. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK.

UNAUTHORIZED CHANGES & USES

CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

ASSIGNMENT OF RESPONSIBILITY

THE FOLLOWING ITEMS ARE TO BE INSPECTED AND MAINTAINED BY RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT:
 LINE "A" FROM STA. 13+28.73 TO STA. 46+19.75 AS SHOWN ON SHEETS 2-7 OF 9.
 LINE "A5" FROM STA. 1+00.00 TO STA. 1+91.63 AS SHOWN ON SHEET 8 OF 9.
 ALL MANHOLELS AND OTHER STRUCTURES REQUIRED TO COMPLETE THE CONSTRUCTION OF THE ABOVE MENTIONED MAINLINE PIPE EXCEPTING CATCH BASINS AND CONNECTOR PIPE.

PRIVATE ENGINEERING NOTE

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY APPLICABLE PROFESSIONAL ENGINEERING STANDARDS AND PRACTICES, THE ENGINEER HAS REVIEWED THE PLANS AND SPECIFICATIONS FOR THE PROJECT AND HAS DETERMINED THAT THE PROJECT IS IN SUBSTANTIAL COMPLIANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT. THE ENGINEER'S REVIEW IS LIMITED TO THE TECHNICAL ASPECTS OF THE PROJECT AND DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED BY THE CONTRACTOR OR THE CONTRACTOR'S REPRESENTATIVES. THE ENGINEER'S REVIEW IS LIMITED TO THE TECHNICAL ASPECTS OF THE PROJECT AND DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED BY THE CONTRACTOR OR THE CONTRACTOR'S REPRESENTATIVES.

REVISIONS

NO.	DESCRIPTION	ENG. DATE	APPR. DATE	CHECKED BY
1	REVISED SD PER TTM 30080 (ADDED SHEETS 10 & 11)	10/23/01		

BENCH MARK: 2.2 FEET NORTH ALONG U.S. HIGHWAY 78 FROM TIBURON AVENUE TO THE CENTERLINE OF THE HIGHWAY. THE BENCH MARK IS LOCATED AT THE INTERSECTION OF TIBURON AVENUE AND HIGHWAY 78. THE BENCH MARK IS A CONCRETE PIPER WITH A 4" DIA. CAP AND A 4" DIA. PIPE. THE BENCH MARK IS SET AT THE TOP OF A CONCRETE PIPER.

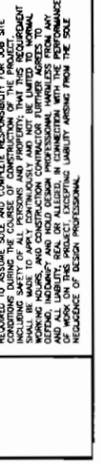
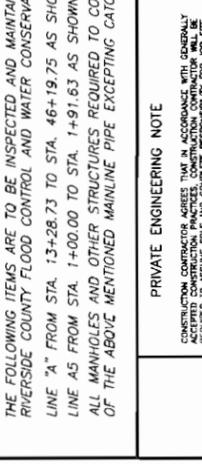
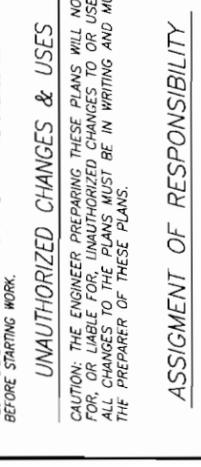
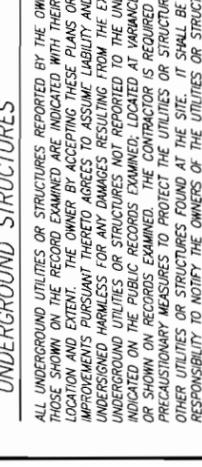
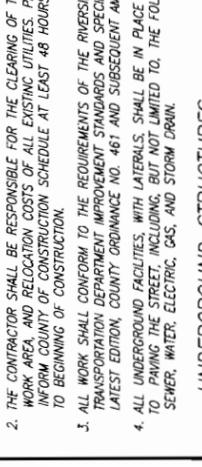
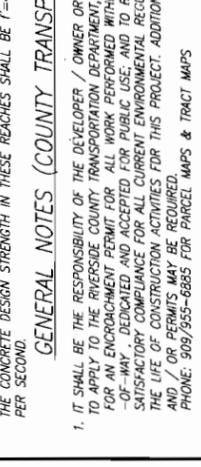
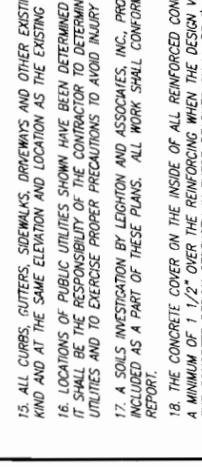
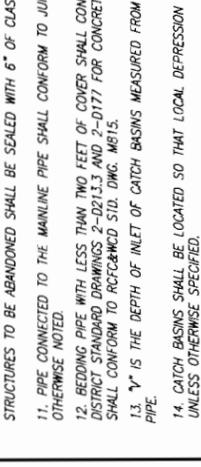
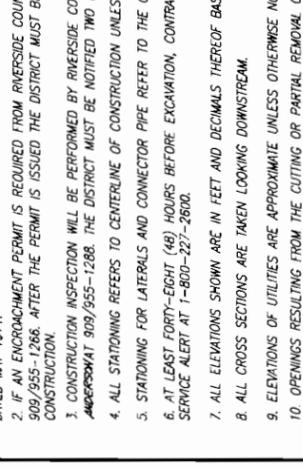
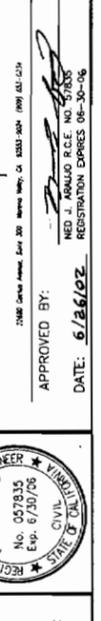
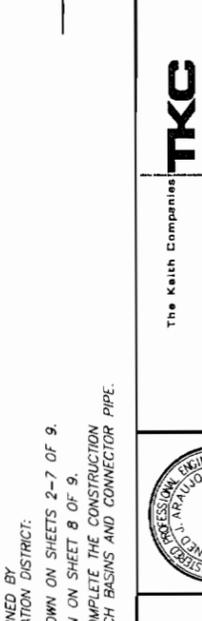
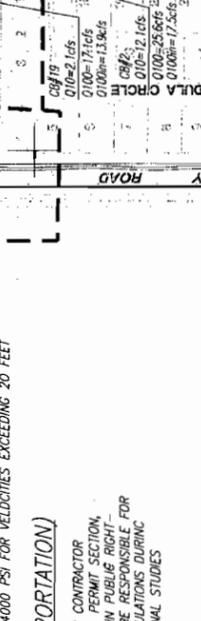
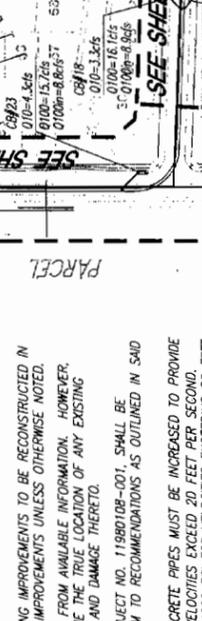
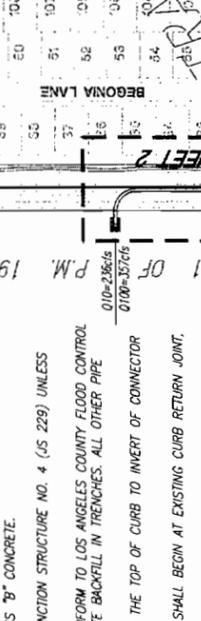
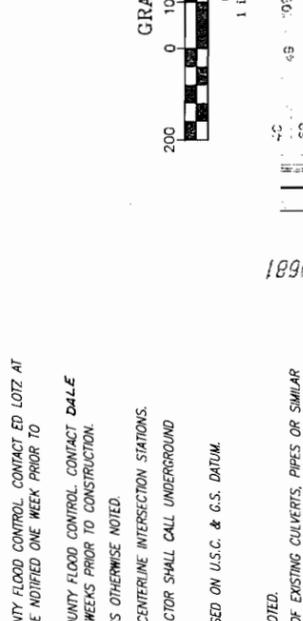
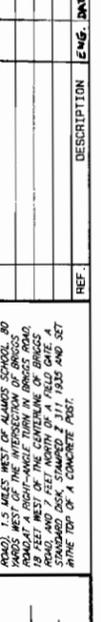
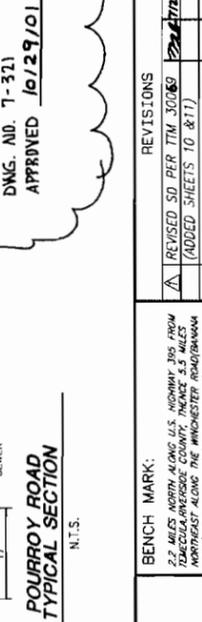
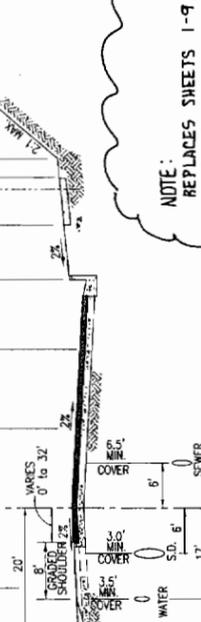
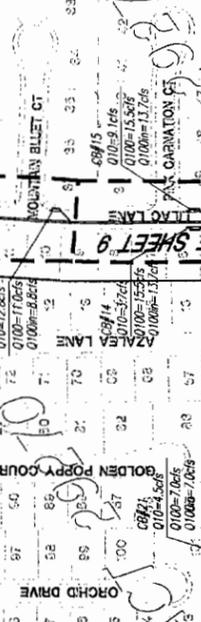
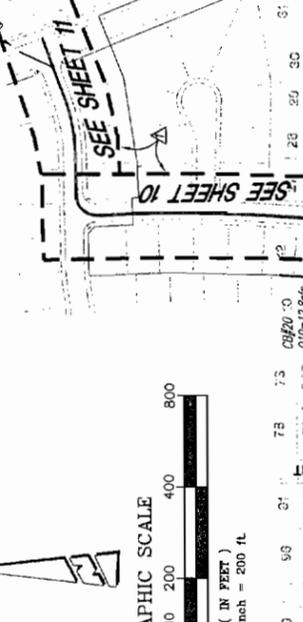
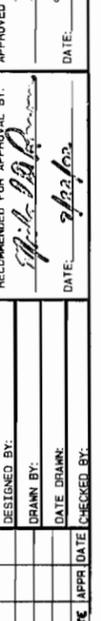
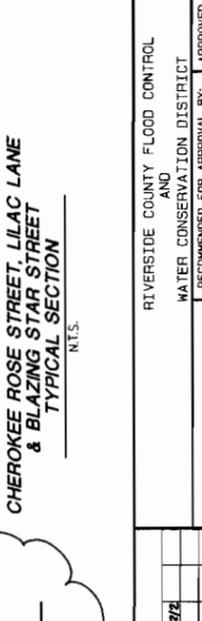
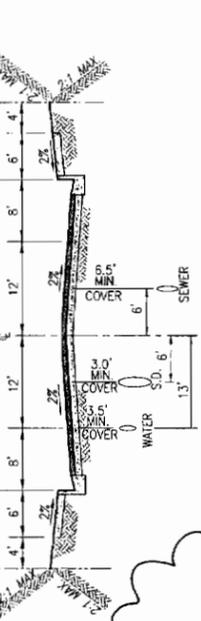
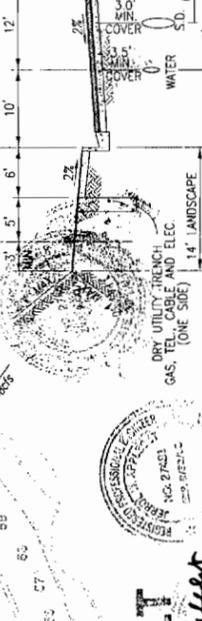
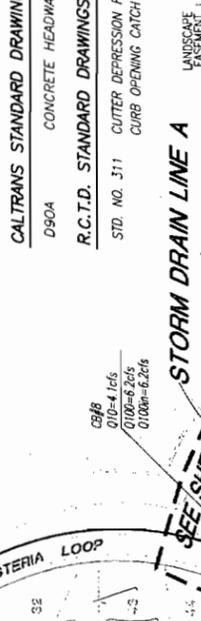
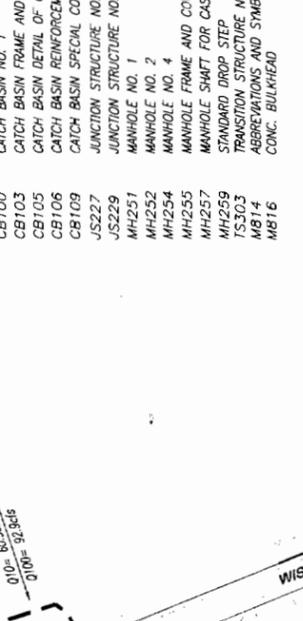
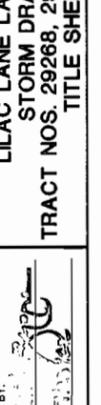
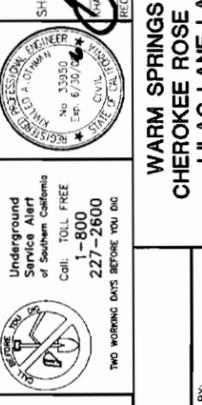
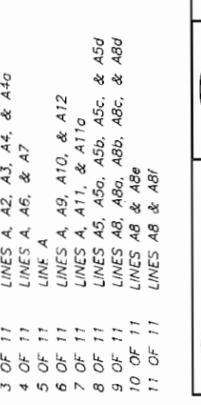
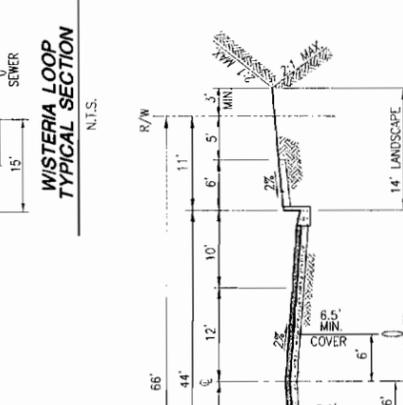
APPROVED BY:  DATE: 6/26/02
 REGISTRATION EXPRESS 06-30-06

THE KAITH COMPANIES, INC. 2208 S. MAIN ST., SUITE 200, SAN ANTONIO, TX 78205
 REGISTRATION NO. 067835
 CIVIL ENGINEER
 STATE OF TEXAS

- #### R.C.F.C. & W.C.D. STANDARD DRAWINGS
- CB100 CATCH BASIN NO. 1
 - CB103 CATCH BASIN FRAME AND COVER (MANHOLE)
 - CB105 CATCH BASIN DETAIL OF OPENING
 - CB106 CATCH BASIN REINFORCEMENT
 - CB109 CATCH BASIN SPECIAL CONNECTIONS
 - JS229 JUNCTION STRUCTURE NO. 2
 - JS229 JUNCTION STRUCTURE NO. 4
 - MH251 MANHOLE NO. 1
 - MH252 MANHOLE NO. 2
 - MH254 MANHOLE NO. 4
 - MH255 MANHOLE FRAME AND COVER (NON-ROCKING)
 - MH257 MANHOLE SHIRT FOR CAST PIPE
 - MH259 STANDARD DROP STEP
 - TS303 TRANSITION STRUCTURE NO. 3
 - MB14 ABBREVIATIONS AND SYMBOLS
 - MB16 CONC. BULKHEAD

- #### CALTRANS STANDARD DRAWINGS
- D904 CONCRETE HEADWALL & WINGWALL
- #### R.C.T.D. STANDARD DRAWINGS
- STD. NO. 311 CUTTER DEPRESSION FOR CURB OPENING CATCH BASIN

- #### STORM DRAIN LINE A
- SEE SHEET 10
 SEE SHEET 9
 SEE SHEET 8
 SEE SHEET 7
 SEE SHEET 6
 SEE SHEET 5
 SEE SHEET 4
 SEE SHEET 3
 SEE SHEET 2
 SEE SHEET 1



RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

GENERAL NOTES

- CONSTRUCTION INSPECTION WILL BE PERFORMED BY RIVERSIDE COUNTY FLOOD CONTROL. CONTACT DALE ANDERSON AT 909-955-1288. THE DISTRICT MUST BE NOTIFIED 20 DAYS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL IMPROVEMENTS SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT'S M.O.U. STANDARD SPECIFICATIONS DATED SEPTEMBER 1984, AND DESIGN MANUAL STANDARD DRAWINGS DATED MAY 1971.
- AN ENCROACHMENT PERMIT IS REQUIRED FROM RIVERSIDE COUNTY FLOOD CONTROL. CONTACT ED LOTZ AT 909/955-1286. AFTER THE PERMIT IS ISSUED THE DISTRICT MUST BE NOTIFIED ONE WEEK PRIOR TO CONSTRUCTION.
- CONSTRUCTION INSPECTION WILL BE PERFORMED BY RIVERSIDE COUNTY FLOOD CONTROL. CONTACT DALE ANDERSON AT 909/955-1288. THE DISTRICT MUST BE NOTIFIED TWENTY DAYS (20) PRIOR TO CONSTRUCTION.
- ALL STATIONING REFERS TO CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED.
- STATIONING FOR LATERALS AND CONNECTOR PIPE REFER TO THE CENTERLINE INTERSECTION STATIONS.
- FORTY-EIGHT HOURS BEFORE EXCAVATION, CALL UNDERGROUND SERVICE ALERT 1-800-227-2600.
- ALL ELEVATIONS SHOWN ARE IN FEET AND DECIMALS THEREOF BASED ON U.S.C. & G.S. DATUM.
- ALL CROSS SECTIONS ARE TAKEN LOOKING DOWNSTREAM.
- ELEVATIONS OF UTILITIES ARE APPROXIMATE UNLESS OTHERWISE NOTED.
- OPENINGS RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES TO BE ABANDONED SHALL BE SEALED WITH 6" OF CLASS "B" CONCRETE.
- PIPE CONNECTED TO THE MAINLINE PIPE SHALL CONFORM TO JUNCTION STRUCTURE NO. 4 (JS 229) UNLESS OTHERWISE NOTED.
- PIPE BEDDING SHALL CONFORM TO RCF&WCD STD. DWG. NO. M815 EXCEPT FOR COVER <2 FEET. FOR COVER <2 FEET, CONCRETE SLURRY (2000 PSI - 2 SACK) SHALL BE USED. THE ENTIRE TRENCH SHALL BE SLURRY EXTENDING 4 INCHES MINIMUM AND 12 INCHES MAXIMUM ABOVE THE TOP OF PIPE.
- HS-1 & HS-10 INDICATES SOIL BORING LOCATIONS PER SOILS REPORT BY PACIFIC SOILS ENGINEERING INC. DATED SEPTEMBER 20, 2001.
- "V" IS THE DEPTH OF CATCH BASINS MEASURED FROM THE TOP OF CURB TO INVERT OF CONNECTOR PIPE.
- CATCH BASINS SHALL BE LOCATED SO THAT LOCAL DEPRESSION SHALL BEGIN AT EXISTING CURB RETURN JOINT, UNLESS SPECIFIED.
- ALL CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED IN KIND AND AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED.
- STANDARD DRAWINGS CALLED FOR ON THE PLAN AND PROFILE SHALL CONFORM TO DISTRICT STANDARD DRAWINGS UNLESS NOTED OTHERWISE.
- THE CONTRACTOR IS REQUIRED TO CALL ALL UTILITY AGENCIES REGARDING TEMPORARY SHORING AND SUPPORT REQUIREMENTS FOR THE VARIOUS UTILITY LINES SHOWN ON THESE PLANS.
- DURING ROUGH GRADING OPERATIONS AND PRIOR TO CONSTRUCTION OF PERMANENT DRAINAGE STRUCTURES, TEMPORARY DRAINAGE CONTROL SHOULD BE PROVIDED TO PREVENT PONDING WATER AND DAMAGE TO ADJACENT PROPERTIES.
- APPROVAL OF THESE PLANS BY THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT DOES NOT RELIEVE THE DEVELOPER'S ENGINEER OF RESPONSIBILITY FOR THE ENGINEERING DESIGN. IF FIELD CHANGES ARE REQUIRED, IT WILL BE THE RESPONSIBILITY OF THE DESIGN ENGINEER TO MAKE THE NECESSARY CORRECTIONS.
- THE CONTRACTOR OR DEVELOPER SHALL SECURE ALL REQUIRED ENCROACHMENT AND/OR STATE AND FEDERAL REGULATORY PERMITS PRIOR TO THE COMMENCEMENT OF ANY WORK.
- PIPE BEDDING SHALL CONFORM TO R.C.F.C.W.C.D. STANDARD DRAWING NO. M-815 EXCEPT FOR COVER LESS THAN TWO FEET. FOR COVER LESS THAN TWO FEET, CONCRETE SLURRY (2000 PSI-2 SACK MIX) BACKFILL SHALL BE USED. THE ENTIRE TRENCH SHALL BE SLURRY BACKFILLED EXTENDING 4" MINIMUM AND 12" MAXIMUM ABOVE THE TOP OF PIPE.

CHANNEL LINING NOTES

- TURF REINFORCEMENT SHALL BE C-350 PERMANENT COMPOSITE REINFORCEMENT MANUFACTURED BY NORTH AMERICAN GREEN, 14649 HIGHWAY 41 NORTH, EVANSVILLE, IN. 47725 (PHONE 812-867-6632, 800-772-2040, WWW.NAGREEN.COM) OR EQUIVALENT.
- TURF INSTALLATION SHALL BE PER THE SPECIFICATIONS OF THE TURF REINFORCEMENT MAT'S MANUFACTURER. THE TURF INSTALLATION SHALL INCLUDE A PERMANENT IRRIGATION SYSTEM.
- TURF SHALL BE "CAL NATIVE" CREEPING RED FESCUE.
- A FIVE FOOT WIDE (5') CENTER STRIP (SEE DETAIL ON SHT. 17) OF "EMERGENT" VEGETATION, EXCLUSIVE OF SHRUBS AND WOODY VEGETATION, SHALL BE ALLOWED TO FLOURISH AS A NATURAL OCCURRENCE (NO PLANTING REQUIRED). MOWING OF THIS CENTER STRIP SHALL OCCUR ON OR ABOUT EACH OF THE FOLLOWING DATES ANNUALLY: OCTOBER 15, DECEMBER 1, AND JANUARY 15. NO MOWING SHALL TAKE PLACE WITHIN THE CENTER FIVE FOOT STRIP (5') AFTER FEBRUARY 1 AND THROUGH THE NESTING SEASON.
- EXCLUSIVE OF THE FIVE FOOT CENTER STRIP, THE TURF SHALL BE MOWED SO AS TO SATISFY THE AESTHETIC GOALS OF THE TEMECULA COMMUNITY SERVICES DISTRICT AND/OR THE HOMEOWNER'S ASSOCIATION. HOWEVER, AT A MINIMUM DURING THE RAINY SEASON (OCTOBER 1 - APRIL 30), THE MOWING SHALL OCCUR WHEN THE GRASS HEIGHT REACHES A MAXIMUM HEIGHT OF EIGHT INCHES (8").
- IRRIGATION PIPES AND APPURTENANCES, UTILITIES AND ANY OTHER OBJECTS WHICH MAY REQUIRE MAINTENANCE SHALL NOT BE INSTALLED BELOW OR WITHIN THE AREA COVERED BY THE TURF REINFORCEMENT MAT IN ORDER TO PRESERVE THE STRUCTURAL INTEGRITY OF SAID MAT.

Underground Service Alert

Call: TOLL FREE
1-800
227-2600

BASIS OF BEARINGS

THE BASIS OF BEARINGS IS THE CENTERLINE OF PALA ROAD PER RECORD OF SURVEY BOOK 100, PAGE 2B, 1E, N47°45'28"W

TWO WORKING DAYS BEFORE YOU DIG

REVISIONS

NO.	DESCRIPTION	DATE	APPR.	DATE
1	REVISE SECTION AND ALIGNMENT ON SHT. 10	10/10/04	AW	10/10/04
2	STA. 94+07.97 TO 94+58.05			

Lohr + Associates Inc
Civil Engineering
48013 Main Park Drive
Temecula, CA 92590
Tel: 951-261-0000
Fax: 951-261-0004
PREPARED BY: Fred W. Doerges
DATE: 5-18-04
FRED W. DOERGES
R.C.E. No. 16526
EXP. DATE 6-30-05

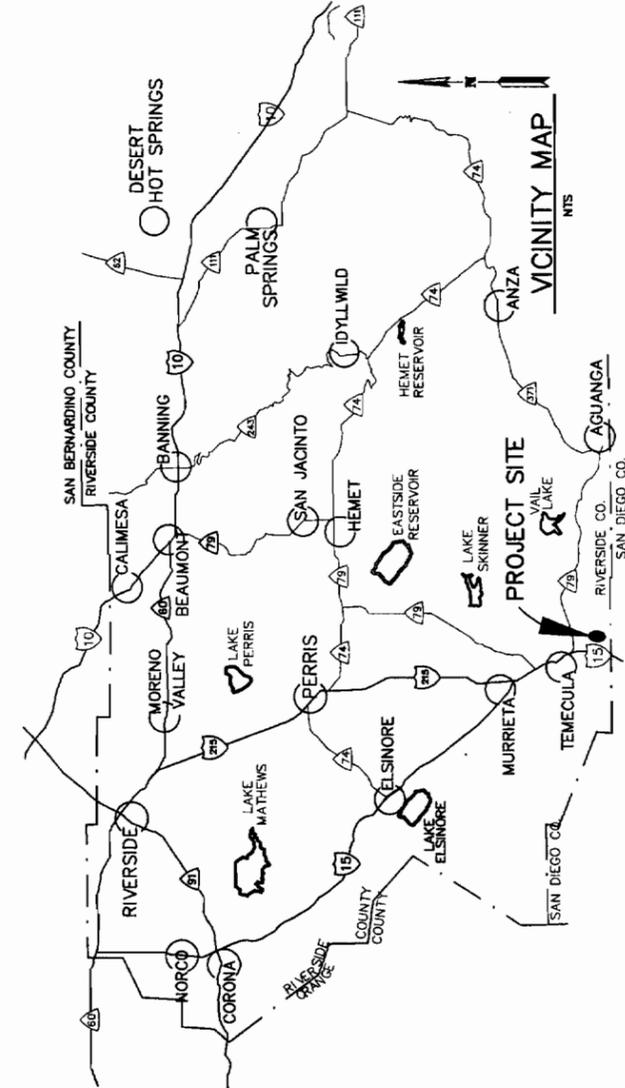
RIVERSIDE COUNTY FLOOD CONTROL
WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY: [Signature]
PLANNING ENGINEER
DATE: 6-3-2004
DATE: 6-3-04
CHIEF ENGINEER

RECOMMENDED BY: [Signature]
ACCEPTED BY: [Signature]
RONALD J. PARKS
DEPUTY DIRECTOR OF PUBLIC WORKS
R.C.E. No. 18744
EXPIRES 8/30/05

UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR OTHERS AND THOSE SHOWN ON THE RECORDS EXAMINED SHALL BE MAINTAINED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE OWNER BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT THERETO AGREES TO ASSUME LIABILITY AND TO HOLD UNDERSIGNED HARMLESS FOR ANY DAMAGES RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED, NOT INDICATED ON THE PUBLIC RECORDS EXAMINED. LOCATED AT VARIANCE WITH THAT REPORTED OR SHOWN ON RECORDS MEASURES TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE OWNER OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK.

UNDERGROUND STRUCTURES

LD02-1376R
PROJECT NO. 7-0-0260-02
DRAWING NO. 7-374
SHEET NO. 1 OF 17



INDEX MAP

SEE SHEET 2

MAINTENANCE RESPONSIBILITIES

INDEMNIFICATION-THE MAINTENANCE AGREEMENT INDEMNIFIES RCFWCWD FROM ANY LIABILITY INCURRED FOR THE DESIGN OF, FROM THE OPERATION OF, FROM THE MAINTENANCE OF AND THE PUBLIC ACCESS TO THE CHANNEL.

R.C.F.C.W.C.D. MAINTAINS:

- FOR WOLF VALLEY CREEK CHANNEL, STAGE 2
STATION 10+03.73 TO STATION 99+58.05
- A. STRUCTURES
 - LOWA LINDA ROAD-CONCRETE STRUCTURE UPSTREAM OF TRIPLE RC BOX.
 - WOLF CREEK DRIVE N.-CONCRETE STRUCTURES DOWNSTREAM AND UPSTREAM OF TRIPLE RC BOX.
 - WOLF VALLEY ROAD-CONCRETE STRUCTURES DOWNSTREAM AND UPSTREAM OF DOUBLE RC BOX.
 - WOLF CREEK DRIVE S.-CONCRETE STRUCTURES DOWNSTREAM AND UPSTREAM OF DOUBLE RC BOX.
 - DEER HOLLOW ROAD-CONCRETE STRUCTURE DOWNSTREAM OF 96-INCH R.C.P. AND 72-INCH R.C.P.
- SLOPE FAILURES-AFTER TURF IS ESTABLISHED ON THE SLOPES (100% COVERAGE AND AT LEAST 2-INCHES HIGH), RCFWCWD WILL RESTORE SLOPES THAT HAVE A MAJOR FAILURE. THIS DOES NOT INCLUDE EROSION ON SLOPES CAUSED BY DRAINAGE FROM ADJACENT PROPERTIES.
- DEBRIS REMOVAL
 - STRUCTURES LISTED UNDER STRUCTURES AND RC BOX CROSSINGS-RCFCWD WILL BE RESPONSIBLE FOR ALL DEBRIS REMOVAL.
 - RCFCWD WILL REMOVE DEBRIS FROM AREAS OF THE TURF CHANNEL BOTTOM WHEN THE DEBRIS DEPOSIT IN THE CHANNEL BOTTOM AT THE LEVEE TOES IS GREATER THAN 12-INCHES.
- R.C.F.C.W.C.D. WILL NOT MAINTAIN, LANDSCAPING, IRRIGATION SYSTEMS, OR TURF.

LINE DC, 11" W6.5H R.C.B., STA. 10+03.83 TO 10+56.68

LINE H, 60" R.C.P., STA. 10+21.10 TO 10+67.83

LINE I, 48" R.C.P., STA. 9+97.07 TO 10+81.41

ALL MANHOLES AND OTHER STRUCTURES REQUIRED TO COMPLETE THE CONSTRUCTION OF THE ABOVE, MENTIONED CHANNEL AND STORM DRAIN, EXCLUDING CATCH BASINS.

LINE EA, 36" R.C.P., STA. 10+45.80 TO 11+68.78

LINE EB, 30" R.C.P., STA. 10+57.00 TO 11+75.45

LINE EC, 36" R.C.P., STA. 10+62.00 TO 13+71.54

LINE ED, 30" R.C.P., STA. 10+57.00 TO 10+82.41

LATERAL 1, 24" R.C.P., STA. 1+25.00 TO 1+72.71

LATERAL 2, 48" R.C.P., STA. 1+25.84 TO 1+73.77

ALL RC BOX STRUCTURES EXCEPT FOR DEBRIS REMOVAL

LINE EA, 36" R.C.P., STA. 10+45.80 TO 11+68.78

LINE EB, 30" R.C.P., STA. 10+57.00 TO 11+75.45

LINE EC, 36" R.C.P., STA. 10+62.00 TO 13+71.54

LINE ED, 30" R.C.P., STA. 10+57.00 TO 10+82.41

LATERAL 1, 24" R.C.P., STA. 1+25.00 TO 1+72.71

LATERAL 2, 48" R.C.P., STA. 1+25.84 TO 1+73.77

INDEX

- TITLE SHEET
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CHANNEL PLAN AND PROFILE
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LINES "EA" AND "EB"
LINES "EC" AND "ED"
LINE "DC" AND DETAILS
TRANSITION STRUCTURE DETAILS

R.C.F.C. & W.C.D. STANDARD DRAWINGS

- JS 230 JUNCTION STRUCTURE No. 5
JS 231 JUNCTION STRUCTURE No. 6
MH 251 MANHOLE NO. 1
MH 255 MANHOLE FRAME & COVER NON-ROCKING
MH 257 MANHOLE SHAFT FOR CAST PIPE
MH 259 STANDARD DROP STEP
M 816 CONCRETE BULKHEAD

CALTRANS STANDARD DRAWINGS

- D80 REINFORCED CONCRETE SINGLE BOX CULVERT
D81 REINFORCED CONCRETE DOUBLE BOX CULVERT
D82 BOX CULVERT MISCELLANEOUS DETAILS

ENGINEERS ESTIMATE OF QUANTITIES

- CONST. REINFORCED GRASS LINED CHANNEL ~ 7075 L.F.
- CONST. TRIPLE 14" W X 6" H R.C.B. ~ 188 L.F.
- CONST. DOUBLE 12" W X 6" H R.C.B. ~ 78 L.F.
- CONST. 11" W X 6.5" H R.C.B. ~ 53 L.F.
- INSTALL 60" R.C.P. (1400-D) ~ 47 L.F.
- INSTALL 48" R.C.P. (1300-D) ~ 134 L.F.
- INSTALL 36" R.C.P. (2000-D) ~ 184 L.F.
- INSTALL 30" R.C.P. (2000-D) ~ 388 L.F.
- INSTALL 24" R.C.P. (CLASS IV) ~ 48 L.F.
- INSTALL 21" R.C.P. (CLASS IV) ~ 5 L.F.
- CONST. M.H. NO. 1 ~ 1 EA.
- CONST. J.S. NO. 6 MODIFIED ~ 3 EA.
- CONST. J.S. NO. 6 ~ 4 EA.
- CONST. CONCRETE BULKHEAD ~ 10 EA.
- CONST. INLET TRANSITION STRUCTURE ~ 835 L.F.
- CONST. OUTLET TRANSITION STRUCTURE ~ 390 L.F.
- CONST. JS No. 5 ~ 1 EA.
- PLACE 2 TON ROCK RIP RAP ~ 2,342 C.Y.
- PLACE 1 TON ROCK RIP RAP ~ 2,382 C.Y.
- PLACE No. 2 BACKING 12" THICK W/MIRAFI 700 X FILTER FABRIC ~ 987 C.Y.
- CONST. CONCRETE END SILL TYPE A ~ 70 C.Y.
- CONST. CONCRETE BACKFILL ~ 383 L.F.
- INSTALL 3" CRUSHED SLAG BASE ~ 122,850 S.F.
- CONST. CONCRETE END SILL TYPE B ~ 128 C.Y.
- MAINTENANCE RAMP ~ 8 EA.
- CONST. PIER WALL ~ 5 EA.

WOLF VALLEY CREEK CHANNEL,
STAGE 2
TR. 29305
TITLE SHEET

RECOMMENDED BY: [Signature]
ACCEPTED BY: [Signature]
RONALD J. PARKS
DEPUTY DIRECTOR OF PUBLIC WORKS
R.C.E. No. 18744
EXPIRES 8/30/05

RECOMMENDED FOR APPROVAL BY: [Signature]
PLANNING ENGINEER
DATE: 6-3-2004

CHIEF ENGINEER

DATE: 6-3-04

NO. 16526
EXP. 6-30-05

NO. 18744
EXP. 8-30-05

LD02-1376R

PROJECT NO. 7-0-0260-02
DRAWING NO. 7-374
SHEET NO. 1 OF 17

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

(IP NO. 000075)

GENERAL NOTES (RCFCWD)

CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL IMPROVEMENTS SHOWN ON THE DRAWINGS IN ACCORDANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT STANDARD SPECIFICATIONS DATED SEPTEMBER 1984, AND DESIGN MANUAL STANDARD DRAWINGS IP-1971.

NO ENCROACHMENT PERMIT IS REQUIRED FROM RIVERSIDE COUNTY FLOOD CONTROL. CONTACT ED LOTZ AT 909-955-1266 AFTER THE PERMIT IS ISSUED. THE DISTRICT MUST BE NOTIFIED ONE WEEK PRIOR TO CONSTRUCTION.

STATIONING REFERS TO CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED.

TONING FOR LATERALS AND CONNECTOR PIPE REFER TO THE CENTERLINE INTERSECTION STATIONS. LEAST FORTY-EIGHT (48) HOURS BEFORE EXCAVATION, CONTRACTOR SHALL CALL UNDERGROUND UTILITY SERVICE AT 909-955-1288. THE DISTRICT MUST BE NOTIFIED TWO WEEKS PRIOR TO CONSTRUCTION.

ELEVATIONS SHOWN ARE IN FEET AND DECIMALS THEREOF BASED ON U.S.C. & G.S. DATUM.

CROSS SECTIONS ARE TAKEN LOOKING DOWNSTREAM.

VARIATIONS OF UTILITIES ARE APPROXIMATE UNLESS OTHERWISE NOTED.

REVISIONS RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES TO BE ABANDONED SHALL BE SEALED WITH 6" OF CLASS "B" CONCRETE.

PIPE CONNECTED TO THE MAINLINE PIPE SHALL CONFORM TO JUNCTION STRUCTURE NO. 4 (JS 229) UNLESS OTHERWISE NOTED.

LOADING PIPE WITH LESS THAN TWO FEET OF COVER SHALL CONFORM TO LOS ANGELES COUNTY FLOOD CONTROL DISTRICT STANDARD DRAWINGS 2-D21J3 AND 2-D1177 FOR CONCRETE BACKFILL IN TRENCHES. ALL OTHER PIPE SHALL CONFORM TO REFERENCED STD. Dwg. M815.

IS THE DEPTH OF INLET OF CATCH BASINS MEASURED FROM THE TOP OF CURB TO INVERT OF CONNECTOR PIPE.

CATCH BASINS SHALL BE LOCATED SO THAT LOCAL DEPRESSION SHALL BEGIN AT EXISTING CURB RETURN JOINT, UNLESS OTHERWISE SPECIFIED.

L. CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT STANDARD SPECIFICATIONS DATED SEPTEMBER 1984, AND DESIGN MANUAL STANDARD DRAWINGS IP-1971.

NOTATIONS OF PUBLIC UTILITIES SHOWN HAVE BEEN DETERMINED FROM AVAILABLE INFORMATION. HOWEVER, CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE TRUE LOCATION OF ANY EXISTING UTILITIES AND TO TAKE NECESSARY PRECAUTIONS TO AVOID INJURY AND DAMAGE THEREOF.

SOILS INVESTIGATION BY LEIGHTON AND ASSOCIATES, INC., PROJECT NO. 11980108-001, SHALL BE CONSIDERED AS A PART OF THESE PLANS. ALL WORK SHALL CONFORM TO RECOMMENDATIONS AS OUTLINED IN SAID REPORT.

GENERAL NOTES (COUNTY TRANSPORTATION)

ALL BE THE RESPONSIBILITY OF THE DEVELOPER / OWNER OR CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS FROM THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT, PERMIT SECTION, PRIOR TO THE START OF CONSTRUCTION. AN ENCROACHMENT PERMIT FOR ALL WORK PERFORMED WITHIN PUBLIC RIGHT-OF-WAY, DEDICATED AND ACCEPTED FOR PUBLIC USE; AND TO BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT, PERMIT SECTION, PRIOR TO THE START OF CONSTRUCTION.

CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING OF THE PROPOSED WORK AREA AND RELOCATION COSTS OF ALL EXISTING UTILITIES. PERMITS MUST BE OBTAINED FROM THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT, PERMIT SECTION, PRIOR TO THE START OF CONSTRUCTION.

WORK SHALL CONFORM TO THE REQUIREMENTS OF THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT IMPROVEMENT STANDARDS AND SPECIFICATIONS, LATEST EDITION, COUNTY ORDINANCE NO. 461 AND SUBSEQUENT AMENDMENTS.

UNDERGROUND UTILITIES, WITH LATERALS, SHALL BE IN PLACE PRIOR TO THE START OF CONSTRUCTION. ALL UTILITIES SHALL BE PROTECTED BY SHIELDING THE STREET, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: WATER, ELECTRIC, GAS, AND STORM DRAIN.

UNDERGROUND STRUCTURES

UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR OTHERS AND SHOWN ON THE RECORD EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND DEPTH. THE OWNER BY ACCEPTING THESE PLANS OR PROCEEDING WITH WORK SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES AND TO HOLD THEMSELF HARMLESS FROM ANY DAMAGES RESULTING FROM THE EXISTENCE OF UTILITIES OR STRUCTURES NOT REPORTED TO THE ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED PRIOR TO STARTING WORK.

UNAUTHORIZED CHANGES & USES

THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ANY CHANGES TO THESE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE ENGINEER.

SIGNMENT OF RESPONSIBILITY

THE FOLLOWING ITEMS ARE TO BE INSPECTED AND MAINTAINED BY THE CONTRACTOR:

- 1. FROM STA. 10+10.00 TO STA. 35+32.18 AS SHOWN ON SHEETS 2-4 OF 5.
- 2. ANHOLES AND OTHER STRUCTURES REQUIRED TO COMPLETE THE CONSTRUCTION OF THE MAINLINE PIPE EXCEPTING CATCH BASINS AND CONNECTOR PIPE.

PRIVATE ENGINEERING NOTE

CONTRACTOR CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT.

APPROVED BY: *[Signature]*
 DATE: 3/13/01
 NED J. HANCOCK, P.E., NO. 51833
 REGISTRATION EXPIRES 08-30-02

REVISIONS

NO.	DESCRIPTION	DATE

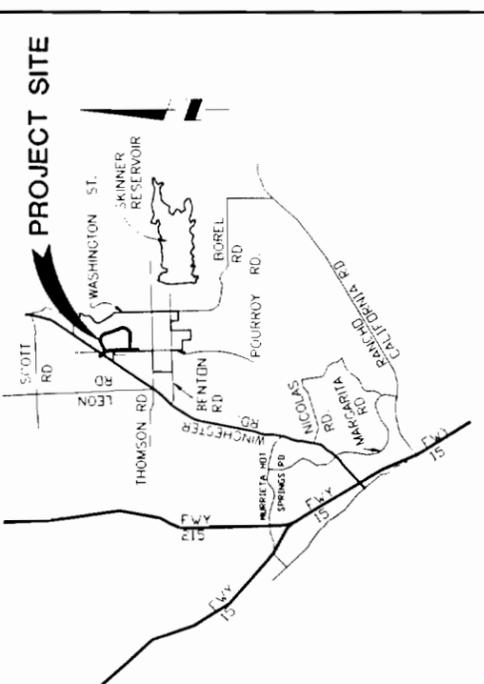
BENCH MARK:

2.7 FEET NORTH OF ONE U.S. HIGHWAY 52 FROM THE CENTERLINE OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT. APPROXIMATELY 1.5 FEET WEST OF ALAMO SCHOOL, 80 FEET WEST OF THE CENTERLINE OF ALAMO ROAD, 18 FEET WEST OF THE CENTERLINE OF ANGELES ROAD, 18 FEET WEST OF THE CENTERLINE OF ANGELES ROAD, 18 FEET WEST OF THE CENTERLINE OF ANGELES ROAD, 18 FEET WEST OF THE CENTERLINE OF ANGELES ROAD.

DESIGNED BY: *[Signature]*
 DATE: 10/16/01

APPROVED BY: *[Signature]*
 DATE: 10/16/01

APPROVED BY: *[Signature]*
 DATE: 10/16/01



APPLICANT:
 WINCHESTER 1988 INC.
 3 IMPERIAL PROMANADE SUITE 860
 SANTA ANA, CA 92702
 (714) 979-2456

SOILS ENGINEER:
 LEIGHTON AND ASSOCIATES, INC.
 41715 ENTERPRISE CIRCLE N., SUITE 103
 EMERYVILLE, CA 94626
 (925) 996-0330
 PROJECT NO. 11980108-001

TOPOGRAPHY SOURCE:
 ROBERT J. LUNG & ASSOCIATES
 7825 N. CALIFORNIA
 TUSTIN, CA 92680
 (714) 832-2077

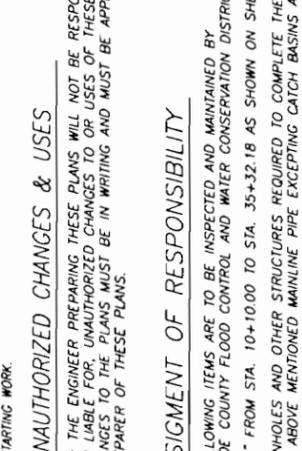
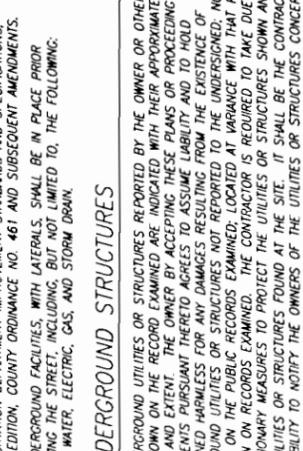
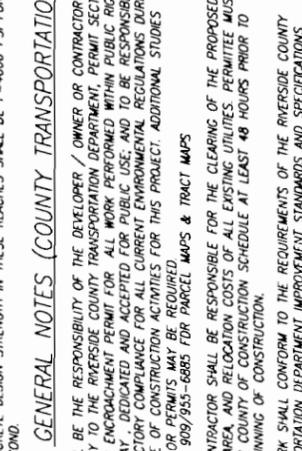
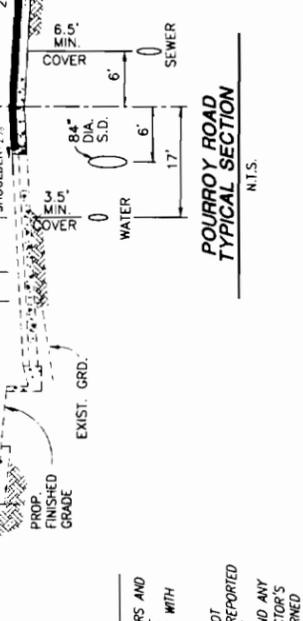
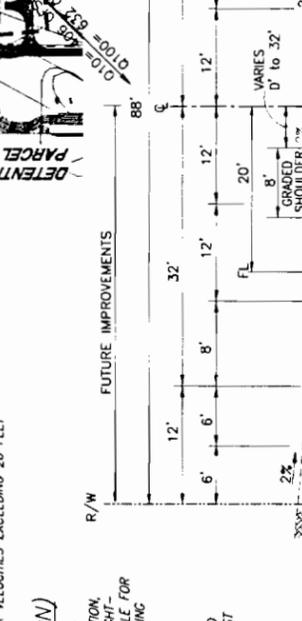
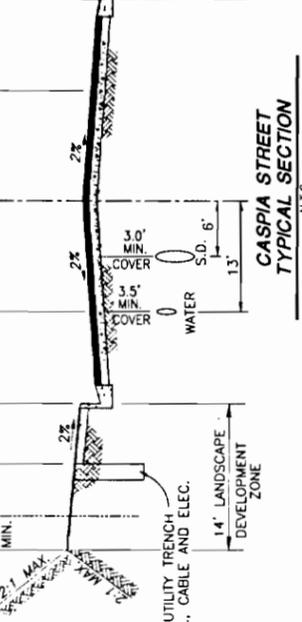
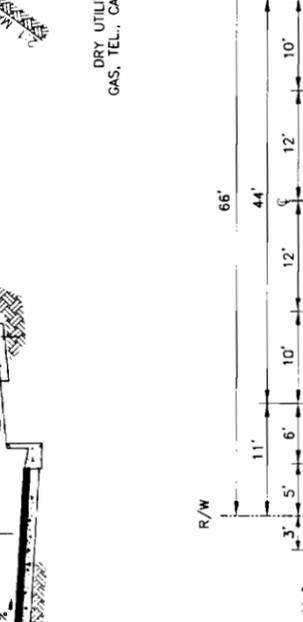
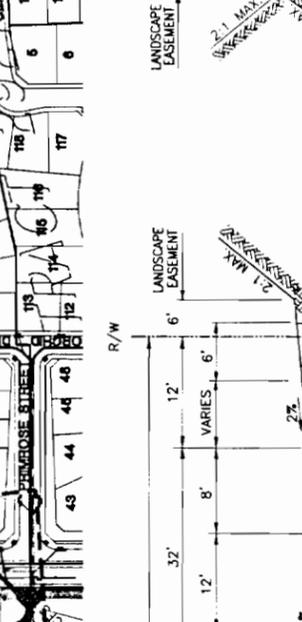
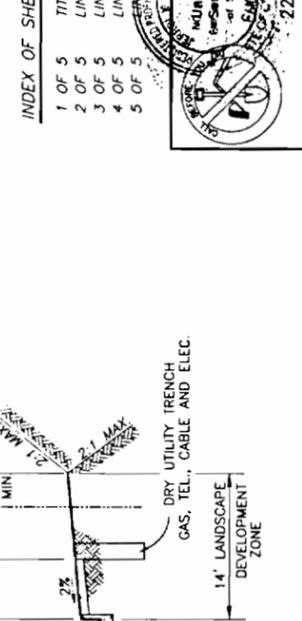
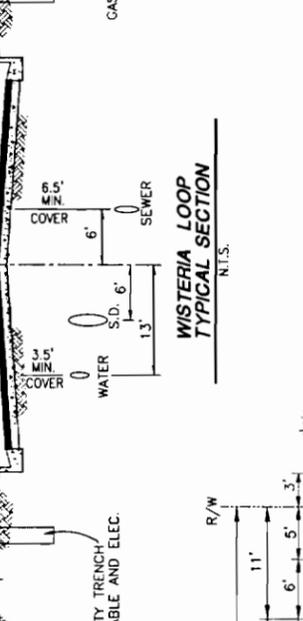
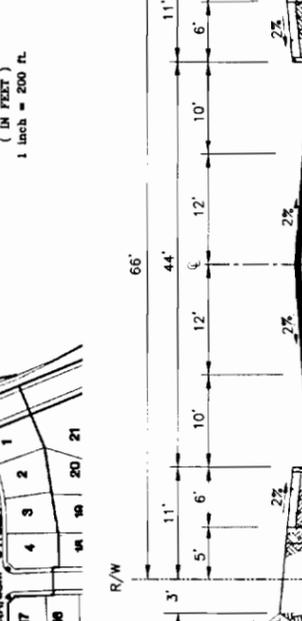
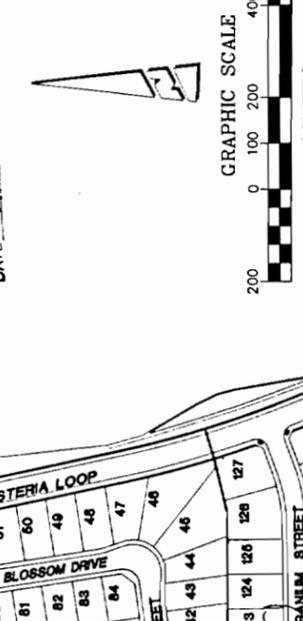
LEGAL DESCRIPTION:
 BEING A PORTION OF THE NW 1/2 OF SECTION 33, T6S, R2W, S.B.M.

ASSESSORS' PARCEL NO.
 TRACT 29269
 467-160-003 ; 467-180-038,
 467-240-025 ; 467-260-041,
 467-260-045

R.C.F.C. & W.C.D. STANDARD DRAWINGS

- CB100 CATCH BASIN NO. 1
- CB103 CATCH BASIN FRAME AND COVER (MANHOLE)
- CB105 CATCH BASIN DETAIL OF OPENING
- CB106 CATCH BASIN REINFORCEMENT
- CB109 CATCH BASIN SPECIAL CONNECTIONS
- LD201 LOCAL DEPRESSION NO. 2
- JS229 JUNCTION STRUCTURE NO. 4
- MH251 MANHOLE NO. 1
- MH252 MANHOLE NO. 2
- MH254 MANHOLE NO. 4
- MH255 MANHOLE FRAME AND COVER (NON-ROCKING)
- MH257 MANHOLE SHAFT FOR CAST PIPE
- MH259 STANDARD DROP STEP
- M814 ABBREVIATIONS AND SYMBOLS
- M816 CONCRETE BULKHEAD

CALTRANS STANDARD DRAWINGS
 D904 CONCRETE HEADWALL & WINGWALL



INDEX OF SHEETS:

- 1 OF 5 TITLE SHEET
- 2 OF 5 LINES B & B1
- 3 OF 5 LINES B, B2, & B3
- 4 OF 5 LINES B, B5, & B6
- 5 OF 5 LINES B4, B4G, & B4D

APPROVED BY: *[Signature]*
 DATE: 3/13/01

RECOMMENDED FOR APPROVAL BY: *[Signature]*
 DATE: 10/16/01

DESIGNED BY: *[Signature]*
 DATE: 10/16/01

DRAWN BY: *[Signature]*
 DATE: 10/16/01

CHECKED BY: *[Signature]*
 DATE: 10/16/01

PROJECT NO.: 7-0-200
DRAWING NO.: 7-319
SHEET NO. OF 5: 1 OF 5

WARM SPRINGS VALLEY
WISTERIA LOOP
STORM DRAIN LINE B
TRACT NO. 29269
TITLE SHEET

CALTRANS STANDARD DRAWINGS
 COUNTY OF RIVERSIDE
 TRANSPORTATION DEPARTMENT
 SHEET 1 THROUGH 5
 APPROVED BY: *[Signature]*
 DATE: 3/13/01

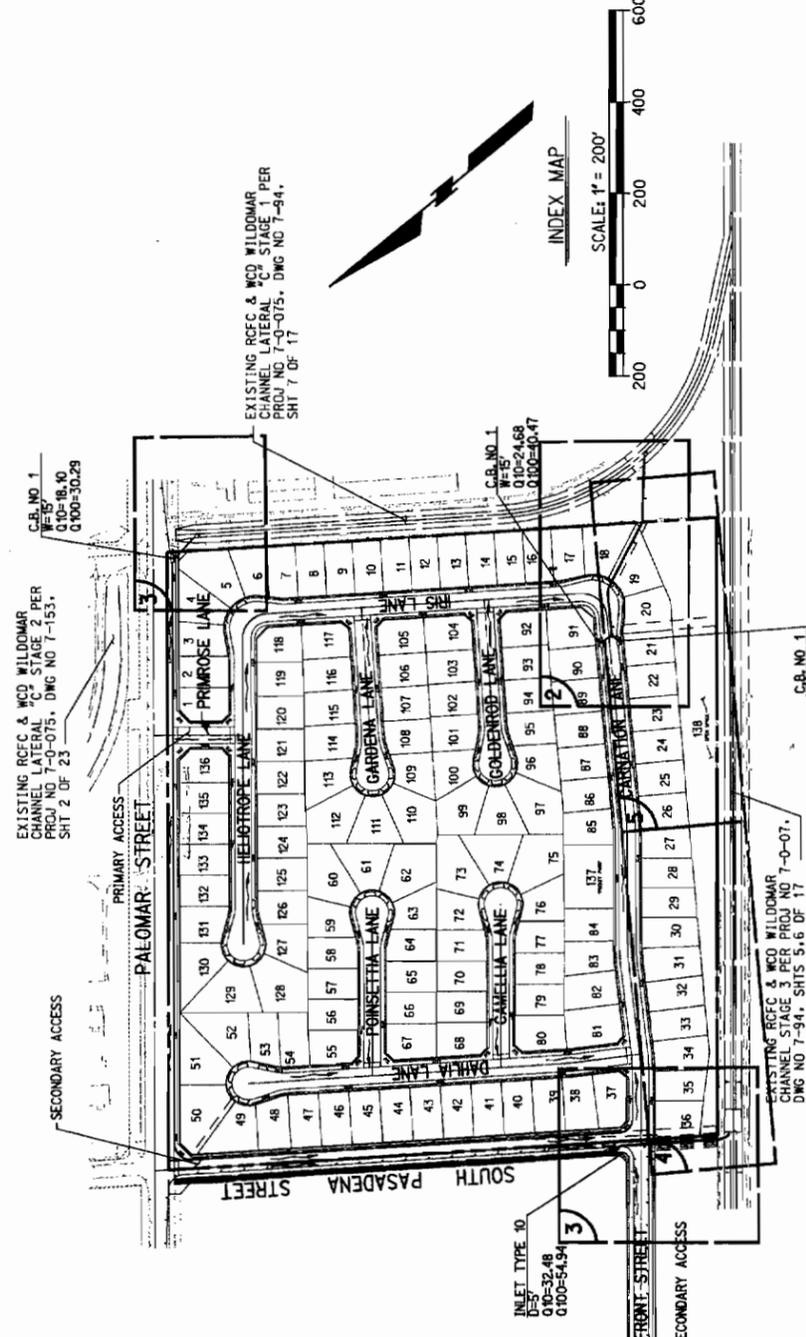
PROFESSIONAL ENGINEER
 No. 53950
 Exp. 6/30/02
 CIVIL
 RIVERSIDE COUNTY
 TWO WORKING DAYS BEFORE YOU DIG

IP 000075

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

RCFC GENERAL NOTES:

- THE CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL IMPROVEMENTS SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT'S UNDERGROUND SERVICE-ALERT AND STANDARD DRAWINGS DATED SEPTEMBER 1984, AND DESIGN MANUAL STANDARD DRAWINGS DATED MAY 1971.
- IF AN ENCROACHMENT PERMIT IS REQUIRED FROM RIVERSIDE COUNTY FLOOD CONTROL, THEN CONTACT ED LOTZ AT 909-955-1266. AFTER THE PERMIT IS ISSUED THE DISTRICT MUST BE NOTIFIED ONE WEEK PRIOR TO CONSTRUCTION.
- CONSTRUCTION INSPECTION WILL BE PERFORMED BY RIVERSIDE COUNTY FLOOD CONTROL CONTACT CLIVE JOHNSON AT 909-955-1288. THE DISTRICT MUST BE NOTIFIED TWO WEEKS PRIOR TO CONSTRUCTION.
- ALL STATIONING REFERS TO CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED.
- STATIONING FOR LATERALS AND CONNECTOR PIPE REFER TO THE CENTERLINE-CENTERLINE INTERSECTION STATION.
- FORTY-EIGHT HOURS BEFORE EXCAVATION, CALL UNDERGROUND SERVICE-ALERT 1-800-227-2600.
- ALL ELEVATIONS SHOWN ARE IN FEET AND DECIMALS THEREOF BASED ON U.S.C. & G.S. DATUM.
- ALL CROSS SECTIONS ARE TAKEN LOOKING DOWNSTREAM.
- ELEVATIONS OF UTILITIES ARE APPROXIMATE UNLESS OTHERWISE NOTED.
- OPENINGS RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES TO BE ABANDONED SHALL BE SEALED WITH 6" OF CLASS "B" CONCRETE.
- BEDDING PIPE WITH LESS THAN TWO FEET OF COVER SHALL CONFORM TO LOS ANGELES COUNTY FLOOD CONTROL DISTRICT STANDARD DRAWINGS 2-0213-3 AND 2-0177 FOR CONCRETE BACKFILL IN TRENCHES. ALL OTHER PIPE SHALL CONFORM TO RCFC & WCD STD DNG M815.
- "N" IS THE DEPTH OF INLET OF CATCH BASINS MEASURED FROM THE TOP OF CURB TO INVERT OF CONNECTOR PIPE.
- CATCH BASINS SHALL BE LOCATED SO THAT LOCAL DEPRESSION SHALL BEGIN AT EXISTING CURB RETURN JOINT, UNLESS OTHERWISE SPECIFIED.
- ALL CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED IN KIND AND AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED.
- THE CONCRETE COVER ON THE INSIDE OF ALL REINFORCED CONCRETE PIPE MUST BE INCREASED TO PROVIDE A MINIMUM OF 1 1/2" OVER THE REINFORCING WHEN THE DESIGN VELOCITIES EXCEED 20 FEET PER SECOND. THE CONCRETE DESIGN STRENGTH IN THESE REACHES SHALL BE FC-5,000 PSI FOR VELOCITIES EXCEEDING 20 FEET PER SECOND AND FC-6,000 PSI FOR VELOCITIES EXCEEDING 30 FEET PER SECOND.



WORK TO BE DONE
 THESE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE UNDER THE SUPERVISION OF THE DISTRICT ENGINEER AND THE LATEST EDITION OF CONTROL STANDARDS AND SPECIFICATIONS AND THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION "GREEN BOOK".

PRIVATE ENGINEER'S NOTE TO CONTRACTOR
 ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE U.S. DEPARTMENT OF LABOR AND HEALTH REGULATIONS OF THE U.S. OCCUPATIONAL SAFETY AND HEALTH CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS CONSTRUCTION DIVISION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND COMPLIANCE WITH SAID REGULATIONS AND ORDERS.

CONTRACTOR FURTHER AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB-SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY TO ALL CONTRACTORS AND SUBCONTRACTORS AND TO ALL EMPLOYEES AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR HOLDING THE OWNER AND CIVIL ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

THE EXISTENCE AND APPROXIMATE LOCATIONS OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. THE CIVIL ENGINEER ASSUMES NO LIABILITY AS TO THE EXACT LOCATION OF SAID LINES NOR FOR UTILITY OR IRRIGATION LINES WHOSE LOCATIONS ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY AND IRRIGATION COMPANIES PRIOR TO WORK OR EXCAVATION TO DETERMINE THE EXACT LOCATIONS OF ALL LINES AND TO OBTAIN PERMISSION TO CROSS SAID LINES, SHOWN HEREON, AND FOR ANY DAMAGE OR PROTECTION TO THESE LINES.

BASIS OF BEARING
 BASIS OF BEARING IS THE CENTERLINE OF PALOMAR STREET TAKEN AS N 49°19'34" W PER RS 68/76-31.

BENCHMARK:
 E-2 STANDARD DISK SET IN DRILL HOLE IN THE BASE OF THE WILDOMAR SCHOOL BELL TOWER, 100 INCHES WEST OF THE INTERSECTION OF CENTRAL STREET AND PALOMAR STREET. 55 FEET SOUTH OF THE CENTERLINE OF CENTRAL STREET, 79 FEET WEST OF THE CENTERLINE OF PALOMAR STREET, 142 FEET NORTHEAST OF THE WILDOMAR SCHOOL AND ABOUT 125 FEET SOUTH OF THE POST OFFICE.
 ELEV. 1255.326 ADJUSTMENT 1970

ABBREVIATIONS:

TOP OF CURB	TC
FLOW LINE	FL
TOP OF GRADE	TG
FINISH SURFACE	FS
CENTERLINE	CL
BEGIN OF CURB	BC
END OF CURB	EC
INVERT ELEVATION	IE
MANHOLE	MH
CATCH BASIN	CB
SLOPE OF PIPE	S
REINFORCED CONCRETE PIPE	RCP
HYDRAULIC GRADE LINE	HGL
RIGHT OF WAY	R/W
ON CENTER	OC

R.C.F.C. & W.C.D. STANDARD DRAWINGS:

CB 108	INLET TYPE 10	3
MH 252	MANHOLE NO 2	2
JS 231	JUNCTION STRUCTURE NO 6	2,3
JS 232	JUNCTION STRUCTURE NO 7 (CASE 2)	3
M 801	CHAIN LINK FENCE DETAILS	4,5

COUNTY OF RIVERSIDE ROAD IMPROVEMENT STANDARD DRAWINGS:

NO 300	CATCH BASIN	2,3
NO 311	LOCAL DEPRESSION (CASE C)	2,3

CAUTION:

EXACT LOCATION OF EXISTING UNDERGROUND FACILITIES IS UNKNOWN. CONTRACTOR TO VERIFY IN FIELD.

DIG ALERT



CALL BEFORE YOU DIG
 1-800-227-2600
 UNDERGROUND SERVICE ALERT
 at least 2 working days prior to excavating.

UNAUTHORIZED CHANGES AND USES

CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS. CALIFORNIA COUNCIL OF CIVIL ENGINEERS AND LAND SURVEYORS

ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR OTHERS AND THOSE SHOWN ON THE RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND EXTENT OF ALL UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND EXTENT OF ALL UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND EXTENT OF ALL UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND EXTENT OF ALL UTILITIES AND STRUCTURES.

RECOMMENDED

SEAL: PROFESSIONAL ENGINEER
 RICK A. STOCKTON
 No. 033559
 Exp. 6-30-02
 STATE OF CALIFORNIA
 CIVIL ENGINEER

APPROVED BY: DATE: 4/5/01

TRANSPORTATION DEPARTMENT
 COUNTY OF RIVERSIDE

APPROVED BY: DATE: 4/5/01

RECOMMENDED: DATE: 4/5/01

REVISIONS

REF.	DESCRIPTION	APPR.	DATE
1	REVISED SHEETS 2,3,4 AND 5.		5/26/01
2	REVISED SHEETS 4 AND 5.		7/23/02
3	REVISED SHEET 4.		10/14/03

BENCH MARK
 SEE ABOVE

RIVERSIDE COUNTY FLOOD CONTROL
 WATER CONSERVATION DISTRICT
 RECOMMENDED FOR APPROVAL BY: APPROVED BY:
 DESIGNED BY: DAG DRAWN BY: ME
 CHECKED BY: RAS
 SCALE: HORIZ. 1"=200' VERT. 1"=200'

PROJECT NO. 7-0-0084
 DRAWING NO. 7-0-0085
 7-0-0070
 7-327
 SHEET NO. 18 OF 5
 TITLE SHEET
 WILDOMAR CHANNEL - STAGE III
 WILDOMAR CHANNEL - SOUTH PASADENA
 STREET LATERAL AND WILDOMAR
 LATERAL C - CARNATION LANE LATERAL
 STORM DRAIN IMPROVEMENT PLANS

AS BUILT

APPROVED BY: DATE: 10/19/03

IP NO. 000059

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT PECHANGA CREEK LEVEE PROTECTION

GENERAL NOTES

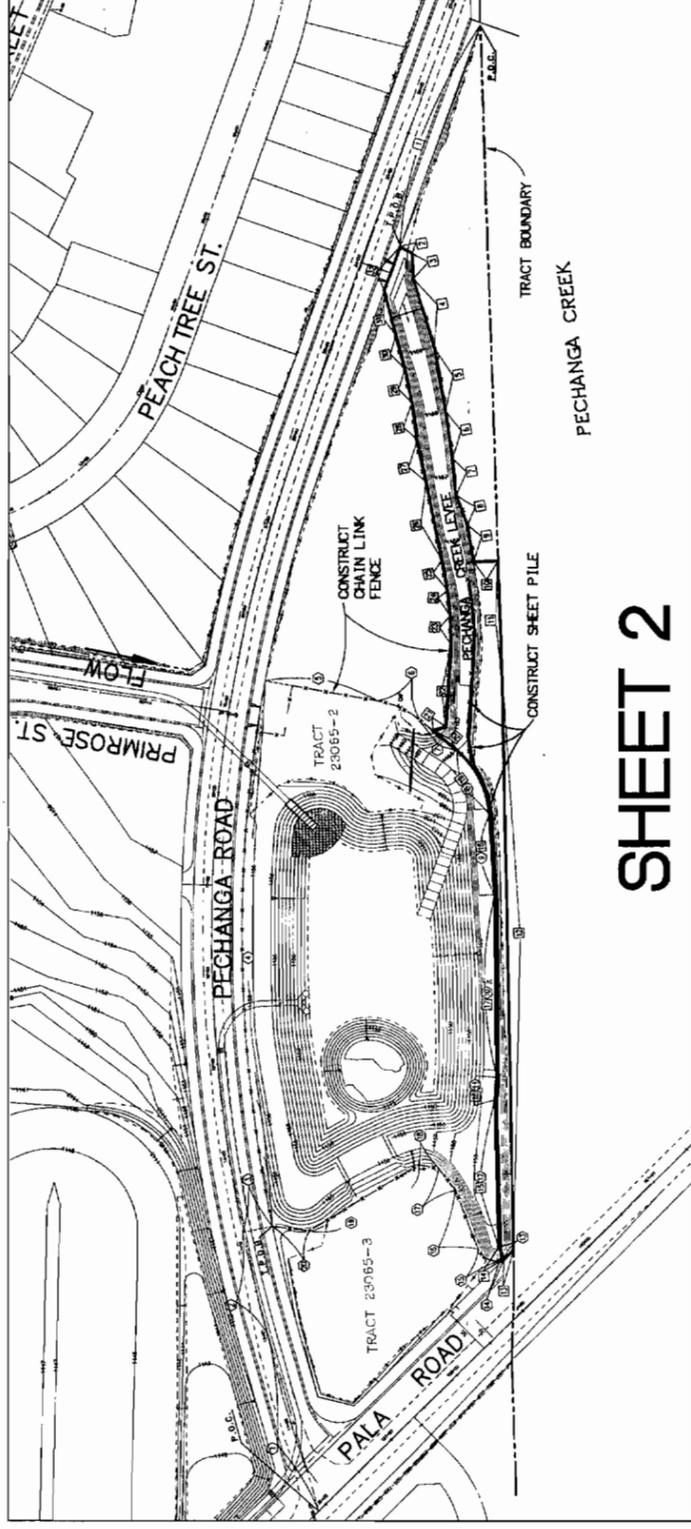
- THE CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL IMPROVEMENTS SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT'S SPECIFICATIONS DATED SEPTEMBER 1984, AND DESIGN MANUAL STANDARD DRAWINGS DATED MAY 1971.
- IF AN ENCROACHMENT PERMIT IS REQUIRED FROM RIVERSIDE COUNTY FLOOD CONTROL, THEN CONTACT ED LOTZ AT (909) 955-1266. AFTER THE PERMIT IS ISSUED THE DISTRICT MUST BE NOTIFIED ONE WEEK PRIOR TO CONSTRUCTION.
- CONSTRUCTION INSPECTION WILL BE PERFORMED BY RIVERSIDE COUNTY FLOOD CONTROL. CONTACT DALE ANDERSON AT (909) 955-1288. THE DISTRICT MUST BE NOTIFIED 20 DAYS PRIOR TO CONSTRUCTION.
- ALL STATIONS REFER TO BOUNDARY LINE AND/OR CENTERLINE OF STREET, UNLESS OTHERWISE NOTED.
- FORTY-EIGHT HOURS BEFORE EXCAVATION, CALL UNDERGROUND SERVICE ALERT 1-800-227-2600
- ALL ELEVATIONS SHOWN ARE IN FEET AND DECIMALS THEREOF BASED ON U.S.C. & G.S. DATUM.
- ELEVATIONS OF UTILITIES ARE APPROXIMATE UNLESS OTHERWISE NOTED.
- BEDDING PIPE WITH LESS THAN TWO FEET OF COVER SHALL CONFORM TO LOS ANGELES COUNTY FLOOD CONTROL DISTRICT STANDARD DRAWINGS 2-0213.3, AND 2-0177 FOR CONCRETE BACKFILL IN TRENCHES. ALL OTHER PIPE SHALL CONFORM TO RCFCD & WCD STD. DWG. MB15.
- ALL CROSS-SECTIONS ARE TAKEN LOOKING DOWNSTREAM.
- ALL CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED IN KIND AND AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED.

ENGINEERS NOTE:

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY OF DESIGN AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER PROJECT COMPLETION, THE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

NOTICE TO THE CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. APPROVAL OF THIS PLAN BY THE CITY OF TEMECULA, RIVERSIDE COUNTY FLOOD CONTROL DISTRICT, EASTERN MUNICIPAL WATER DISTRICT OR RANCHO CALIFORNIA WATER DISTRICT DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OR THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPE OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE ALL DUE PRECAUTIONARY MEANS TO PROTECT THE UTILITY LINES NOT OF RECORD OR SHOWN ON THIS PLAN.



SHEET 2

PROJECT SITE PLAN
SCALE: 1"=100'

SCALE: 1"=100'



**CAUTION! PROTECT OVERHEAD ELECTRIC POWER
AND TELEPHONE LINES**

DUPLICATE OF ORIGINAL - DO NOT REVISE

NO.	REVISIONS	DATE	BY

RBF CONSULTING
 27555 NEZ ROAD, SUITE 600
 TEMECULA, CALIFORNIA 92591-4079
 909.676.6242 • FAX 909.676.7240 • WWW.RBF.COM

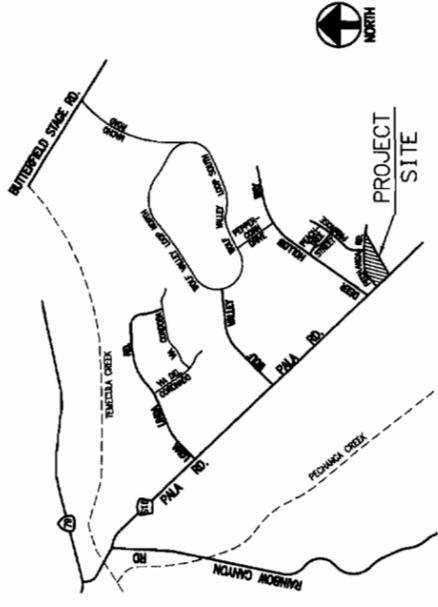
PREPARED BY: MICHAEL A. TYLMAN
 R.C.E. NO. 43090
 EXP. DATE: 3/31/06

DATE: 7/27/04



BENCHMARK: T-1-61, ELEV. 1026.428
 2 1/2" BRASS DISK IN CONC. CYLINDER 2.4
 MILES SOUTHEAST ON HIGHWAY 79 FROM
 INTERSECTION OF MAIN AND FRONT STREET IN
 TEMECULA, 53.5' SOUTH OF C/T HIGHWAY
 EAST OF PRODUCT CENTER HIGHWAY
 P.P. 75580 AND P.P. 75581 ON LINE WITH OLD
 FENCE LINE RUNNING N & S. SET FERROGLASS
 WITNESSPOST 1' SOUTH OF MONUMENT.

ALBERT
 1-800-227-2000
 BEFORE YOU BUY
 FERRANDI ENGINEERS ARCHITECTS
 BARRISTER & GONZALES



VICINITY MAP

NOT TO SCALE
 TOWNSHIP 8 SOUTH RANGE 2 WEST SECTION 28

NO.	BEARINGS/Delta	RADIUS	LENGTH
1	N68°35'23"W	---	257.21'
2	N30°18'59"E	---	14.58'
3	S98°52'55"W	---	27.60'
4	S74°57'27"W	---	78.71'
5	S81°43'17"W	---	69.67'
6	S83°15'12"W	---	52.01'
7	S86°24'29"W	---	40.32'
8	S70°27'03"W	---	34.75'
9	S82°50'19"W	---	40.17'
10	S00°10'03"E	---	26.74'
11	S89°49'57"W	---	120.07'
12	N89°23'55"W	---	633.74'
13	N43°01'08"W	---	14.96'
14	N70°14'36"E	---	14.55'
15	S89°50'45"E	---	159.85'
16	S83°05'46"E	---	24.26'
17	S88°51'51"E	---	199.26'
18	N88°02'27"E	---	90.49'
19	S46°39'45"	100.00'	81.44'
20	N41°22'42"E	---	32.81'
21	S13°56'29"E	---	14.92'
22	S81°29'58"E	---	90.50'
23	N89°09'46"E	---	31.70'
24	N86°20'35"E	---	27.45'
25	N81°15'28"E	---	34.12'
26	N80°14'33"E	---	87.16'
27	N80°15'04"E	---	46.13'
28	N83°42'45"E	---	40.40'
29	N79°53'47"E	---	37.65'
30	N76°35'27"E	---	37.76'
31	N77°08'13"E	---	49.90'
32	S68°35'23"E	---	50.77'

SHEET INDEX

SHEET NO.	SHEET NO.
1	1
2	2
3	3

CONSTRUCTION NOTES:	QTY.:
① CONSTRUCT 25' DEEP SHORE GUARD OR EQUIVALENT SHEET PILE	751 LF
② CONSTRUCT 6' HIGH CHAIN LINK FENCE PER RCFCD STD. M-801	1,721 LF
③ CONSTRUCT 14' WIDE CHAIN LINK GATES PER RCFCD STD. M-801	3 EA.
④ BACKFILL SHEETPILE WITH NATIVE MATERIAL	30 CY

HOA MAINTAINED EASEMENT DATA TABLE

NO.	BEARING/Delta	RADIUS	LENGTH
1	N75°49'46"E	---	200.18'
2	O4°08'47"	1600.00'	115.79'
3	S10°01'27"E	(R)	33.00'
4	S11°58'23"	1567.00'	600.95'
5	S11°56'56"W	(R)	123.24'
6	S29°25'46"	100.00'	51.36'
7	S41°22'42"W	---	50.93'
8	S46°39'45"	100.00'	81.44'
9	S88°02'27"W	---	90.49'
10	N88°51'51"W	---	199.26'
11	N83°05'46"W	---	24.26'
12	N89°50'45"W	---	159.85'
13	S70°14'36"W	---	14.55'
14	N12°57'42"W	---	4.13'
15	S83°36'37"	20.00'	29.19'
16	N70°38'55"E	---	68.26'
17	N55°08'39"E	---	30.49'
18	N10°58'55"E	---	21.87'
19	N29°25'51"W	---	138.02'
20	N08°35'31"E	---	40.12'

TRACT NO. 230655-3

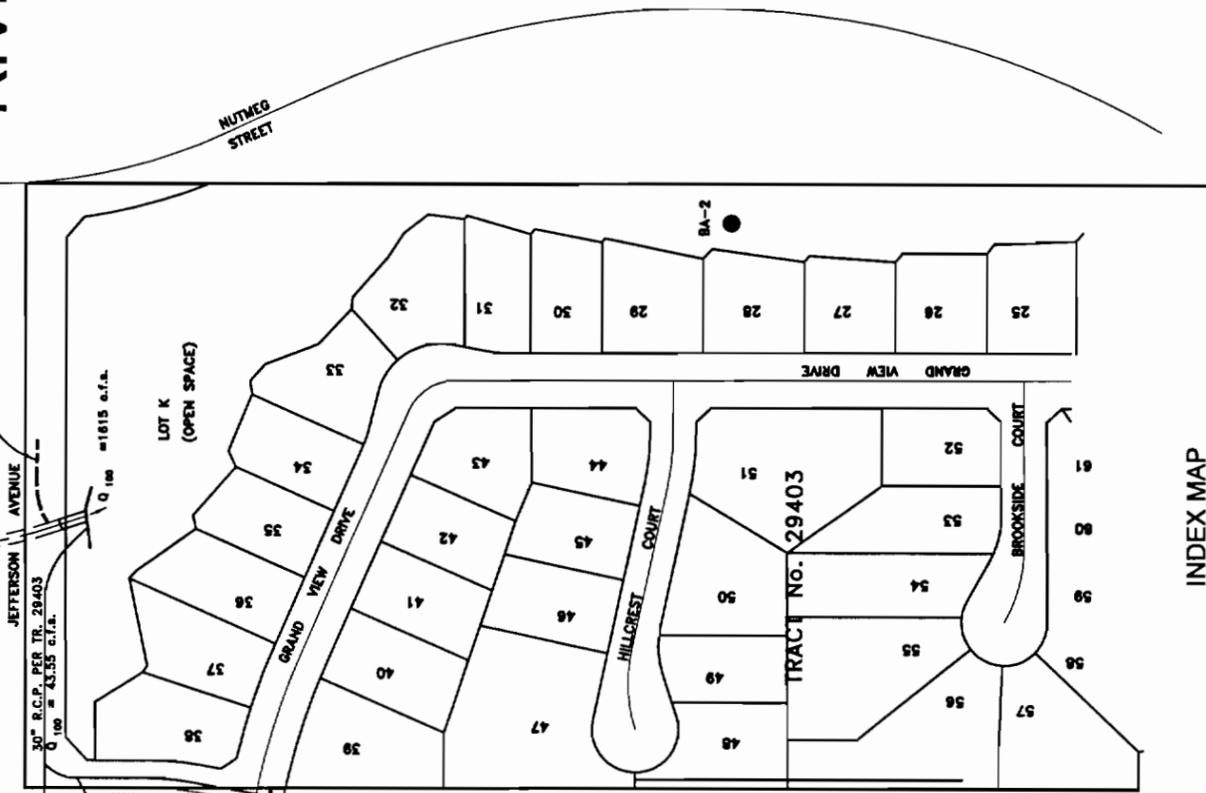
PROJECT NO. 7-0-0496
 DRAWING NO. 7-388
 SHEET NO. 1 OF 3

PECHANGA CREEK LEVEE
 TITLE SHEET

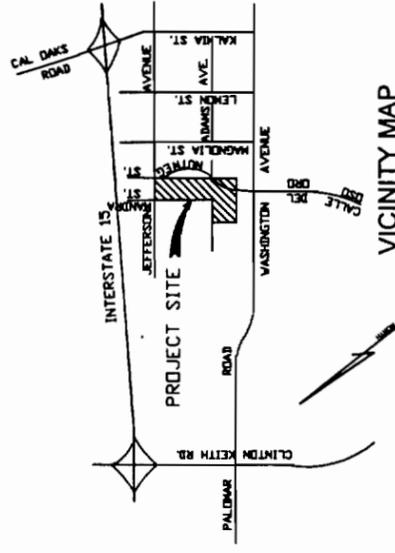
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

EXIST. 12" W x 9" H R.C.P. PER SHT. 2 DWG 7-115 RCFCO & WCD (MURRIETA CREEK A.D.P. LINE G-STAGE 1) Q 100 = 1815 C.F.S.

EXIST. 24" R.C.P. STORM DRAIN PER TR. 22603 Q 100 = 43.55 C.F.S.



INDEX MAP
SCALE: 1"=100'



GENERAL NOTES

- THE CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL IMPROVEMENTS SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT'S MEMORANDUM OF UNDERSTANDING STANDARDS AND SPECIFICATIONS DATED SEPTEMBER 1984, AND DESIGN MANUAL STANDARD DRAWINGS DATED MAY 1971.
- IF AN ENCROACHMENT PERMIT IS REQUIRED FROM RIVERSIDE COUNTY FLOOD CONTROL, THEN CONTACT ED LOTZ AT 909/955-1286. AFTER THE PERMIT IS ISSUED, THE DISTRICT MUST BE NOTIFIED ONE WEEK PRIOR TO CONSTRUCTION.
- CONSTRUCTION INSPECTION WILL BE PERFORMED BY RIVERSIDE COUNTY FLOOD CONTROL CONTACT DALE ANDERSON AT 909-955-1286. THE DISTRICT MUST BE NOTIFIED 20 DAYS PRIOR TO CONSTRUCTION.
- ALL STATIONING REFERS TO CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED.
- STATIONING FOR LATERALS AND CONNECTOR PIPE REFER TO THE CENTERLINE-CENTERLINE INTERSECTION STATION.
- FORTY-EIGHT HOURS BEFORE EXCAVATION, CALL UNDERGROUND SERVICE ALERT (USA) AT 1-800-227-2600.
- THE VERTICAL DATUM IS DERIVED FROM NAVD 29. THE HORIZONTAL DATUM IS DERIVED FROM NAD83.
- ALL CROSS SECTIONS ARE TAKEN LOOKING DOWNSTREAM.
- ELEVATIONS OF UTILITIES ARE APPROXIMATE UNLESS OTHERWISE NOTED.
- OPENINGS RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES TO BE ABANDONED SHALL BE SEALED WITH 8" OF CLASS "B" CONCRETE.
- PIPE CONNECTED TO THE MAINLINE PIPE SHALL CONFORM TO JUNCTION STRUCTURE No. 4, STD. JS 229 UNLESS OTHERWISE NOTED.
- BEDDING PIPE WITH LESS THAN TWO FEET OF COVER SHALL CONFORM TO LOS ANGELES COUNTY FLOOD CONTROL DISTRICT STANDARD DRAWINGS 2-0213.3 AND 2-0177 FOR CONCRETE BACKFILL IN TRENCHES. ALL OTHER PIPE SHALL CONFORM TO RCFC & WCD STD. DWG. M815.
- BA-2 INDICATES SOIL BORING LOCATIONS BASED ON THE SOILS REPORT DATED 10/12/99. LOCATIONS SHOWN ARE APPROXIMATE.
- "V" IS THE DEPTH OF INLET OF CATCH BASINS MEASURED FROM THE TOP OF THE CURB TO INVERT OF CONNECTOR PIPE.
- CATCH BASINS SHALL BE LOCATED SO THAT LOCAL DEPRESSION SHALL BEGIN AT EXISTING CURB RETURN JOINT, UNLESS OTHERWISE SPECIFIED.
- ALL CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED IN KIND AND AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED.

SHEET INDEX

TITLE SHEET SHEET No. 1

PLAN AND PROFILE SHEET No. 2

R.C.F.C. AND W.C.D. STANDARD DRAWINGS

J.S. 226 JUNCTION STRUCTURE No. 1

M 801 CHAIN LINK FENCE DETAILS

CALTRANS STANDARD DRAWINGS

D 80 REINFORCED CONCRETE SINGLE BOX CULVERT

D 84 BOX CULVERT WINGWALLS

ENGINEERS ESTIMATE OF QUANTITIES

- CONSTRUCT 12" W x 9" H R.C.B. PER CAL TRANS D80 37 L.F.
- CONSTRUCT BOX CULVERT WINGWALLS PER CAL TRANS D84 1 EA.
- CONSTRUCT JUNCTION STRUCTURE No. 1 PER RCFCO JS 226 1 EA.
- INSTALL 6" CHAIN LINK FENCE PER RCFCO M801 402 L.F.
- PLACE 2 TON GROUTED ROCK RIP-RAP 645 C.Y.
- INSTALL 3" CRUSHED SLAG BASE 4200 S.F.
- PLACE LIGHT CLASS GROUTED ROCK RIP-RAP 85 C.Y.

AS BUILT

APPROVED BY: *[Signature]*
DATE: 2-25-03

MAINTENANCE NOTE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT WILL INSPECT AND MAINTAIN THE MAINLINE BOX CULVERT AND OUTLET STRUCTURE FROM STATION 9+03.00 TO STATION 9+96.28 INCLUDING MAINTENANCE ACCESS RAMP.



TWO WORKING DAYS BEFORE YOU DIG

PROJECT No. 7-0-0145

DRAWING No. 7-340

SHEET No. 1 OF 2

MURRIETA VALLEY A.D.P.
STORM DRAIN
LINE G - STAGE 2
TITLE SHEET
TRACT No. 29403

CITY OF MURRIETA

APPROVED BY: *[Signature]*
DATE: 11-15-02
JAMES ELLERY KINLEY, CIVIL ENGINEER
FOR THE CITY OF MURRIETA
EXP. 9-30-03

RECOMMENDED: *[Signature]* DATE: 11/15/02

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

RECOMMENDED FOR APPROVAL BY: *[Signature]*
DATE: 3-3-03
PLANNING ENGINEER
CHIEF ENGINEER

DATE: 3-3-03

NOTICE:
THE CONTRACTOR SHALL NOTIFY THE DISTRICT IN WRITING A MINIMUM OF TWO WEEKS BEFORE BEGINNING CONSTRUCTION, AND SHALL NOT BEGIN CONSTRUCTION BEFORE OBTAINING AUTHORIZATION TO PROCEED.

BASIS OF BEARINGS

BASIS OF BEARINGS IS TAKEN FROM THE CENTERLINE OF NUTMEG STREET AS SHOWN IN P.M. 30/33 AND TR. No. 28333-1 M.B. 270/16-20 AS NORTH 46°54'10" EAST

BENCH MARK

COUNTY OF RIVERSIDE BENCHMARK T-57-81
3" ALUMINUM DISK IN CONC. CYLINDER
FROM THE INT. OF MY STREET AND WASHINGTON STREET 1.5 MI. NW ON WASHINGTON STREET TO THE INT. OF WASHINGTON AND MAGNOLIA. AT THE N. COR. OF THE INT. 36' NE OF WASHINGTON STREET, 45' NW OF MAGNOLIA STREET, 2.5' NE OF P.P. #CT45825, 5' W OF WEST EDGE, BRICK AND WOOD 6' X 2' SIGN FOR DELANEY'S STOCK FARM, 3' W OF OLD 12' STEEL LIGHT POLE, 5' S OF 3 RAIL, 5' HIGH WOOD FENCE. SET FIBERGLASS WITNESS POST 1' NORTH OF MONUMENT
ELEV. 1148.729 1/31/83

REVISIONS	DESCRIPTION	REF.
	SEE ABOVE	

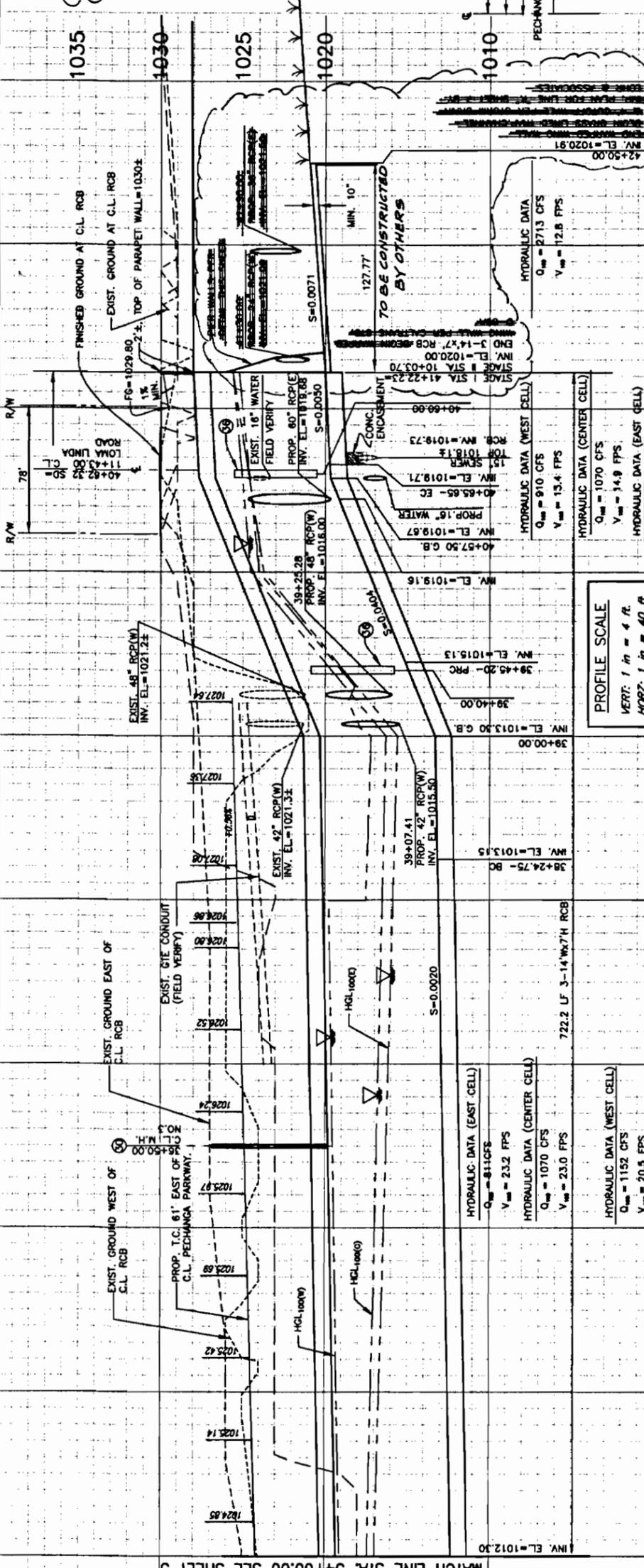
Lohr + Associates Inc
4813 Ridge Park Drive
Livermore, CA 94550
Tel: 925-434-1111 Fax: 925-434-0888

PREPARED BY: *[Signature]* DATE: 11/6/02
HERMAN S. HOVAGIMYAN
R.C.E.No. 20278 EXP. DATE 9-30-05

PROFESSIONAL ENGINEER
No. 20278
Exp. 9-30-05
STATE OF CALIFORNIA

STORM DRAIN CONSTRUCTION NOTES

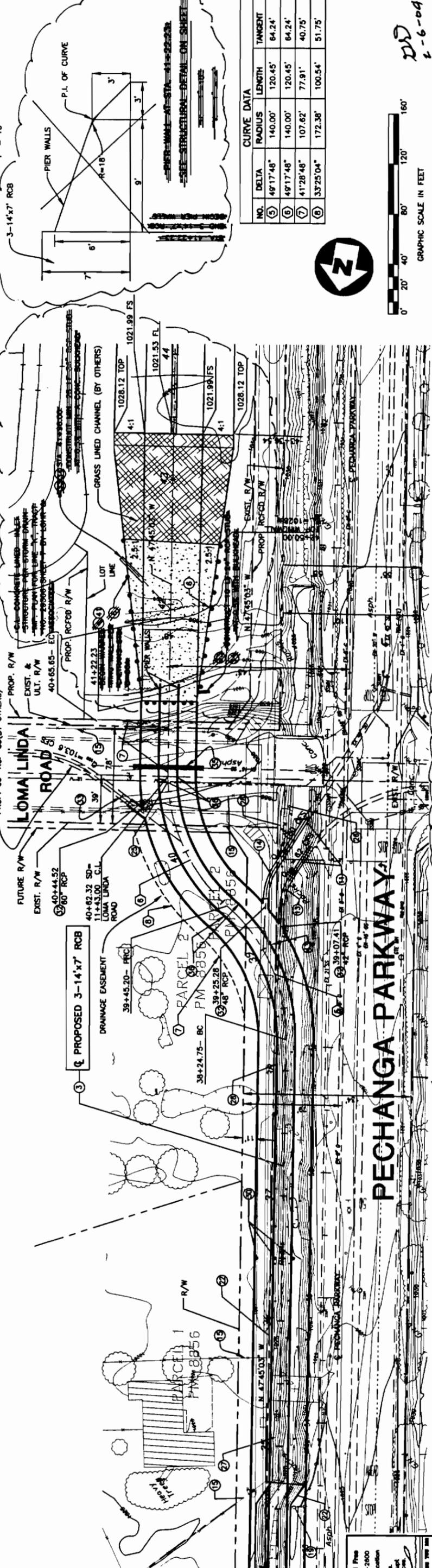
- 3-14'x7'H RCB PER CALTRANS STD. NO. D81 AND D82
- INSTALL 16" DOUBLE DRIVE GATE PER RCFCO STD. NO. M801
- CONSTRUCT CONCRETE COLLAR PER RCFCO STD. NO. M803
- CONSTRUCT 42" RCP, D=1500
- CONSTRUCT 48" RCP, D=1500
- REMOVE AND REPLACE EXIST. FENCE
- REMOVE AND RELOCATE STREET LIGHT
- REMOVE CONCRETE BLOCK WALL
- RELOCATE EXIST. 16-INCH WATER (BY ROWD) PER ROWD PROJECT NO. 987053 AND D1169
- REMOVE STEEL PIPES
- REMOVE GROUDED ROCK SLOPE PROTECTION
- REMOVE AND RELOCATE UNDERGROUND VERIZON CABLE SUBDUCTING FOR FIBER OPTIC
- CONSTRUCT MANHOLE NO. 3 PER RCFCO STD. NO. M4253
- CONSTRUCT JUNCTION STRUCTURE NO.1 PER RCFCO STD. NO. J5226
- SEE SHEET 5 FOR DETAIL OF THE PROPOSED CONNECTION
- CONSTRUCT CONCRETE ENCASUREMENT PER EAWD STD. NO. SB-63
- CONSTRUCT WINDOWS PER APWA STD. NO. 382-1
- CONSTRUCT PARAPET WALL PER CALTRANS STD. NO. D82. SEE DETAIL SHEET 6
- SEE SPECIFICATIONS FOR INTERIM DRAINAGE CONDITION



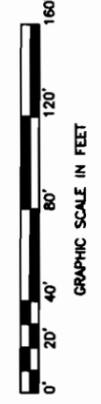
MATCH LINE STA. 34+00.00 SEE SHEET 3

34+00 35+00 36+00 37+00 38+00 39+00 40+00 41+00 42+00 43+00

MATCH LINE STA. 34+00.00 SEE SHEET 3



NO.	DELTA	RADIUS	LENGTH	TANGENT
⑤	49°17'48"	140.00'	120.45'	64.24'
⑥	49°17'48"	140.00'	120.45'	64.24'
⑦	41°28'48"	107.62'	77.91'	40.75'
⑧	33°25'04"	172.38'	100.54'	51.75'



DD
2-6-04

RECOMMENDED BY: *[Signature]* DATE: 2-6-04

ACCEPTED BY: WILLIAM G. HUGHES, DIRECTOR OF PUBLIC WORKS/CITY ENGINEER, CITY OF TEMECULA. R.C.E. NO. 38817. Expires 9-30-04.

PREPARED UNDER THE SUPERVISION OF: MICHAEL J. STEVENS, REGISTERED CIVIL ENGINEER NO. 24008, PECHANGA PARKWAY, TEMECULA, CALIFORNIA 92592. DATE: 2-6-04

REVISIONS

NO.	DATE	DESCRIPTION
1	2/11/04	MA
2	2/11/04	MA

DESIGNED BY: MA
DRAWN BY: MA
DATE DRAWN: 7-2002
CHECKED BY: HJS

WOLF VALLEY
CREEK CHANNEL - STAGE I
STATION 34+00 TO 42+50.00

PROJECT NO. 7-0-0260

DRAWING NO. 7-366

SHEET NO. 4 OF 6

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT PECHANGA CREEK LEVEE PROTECTION

GENERAL NOTES

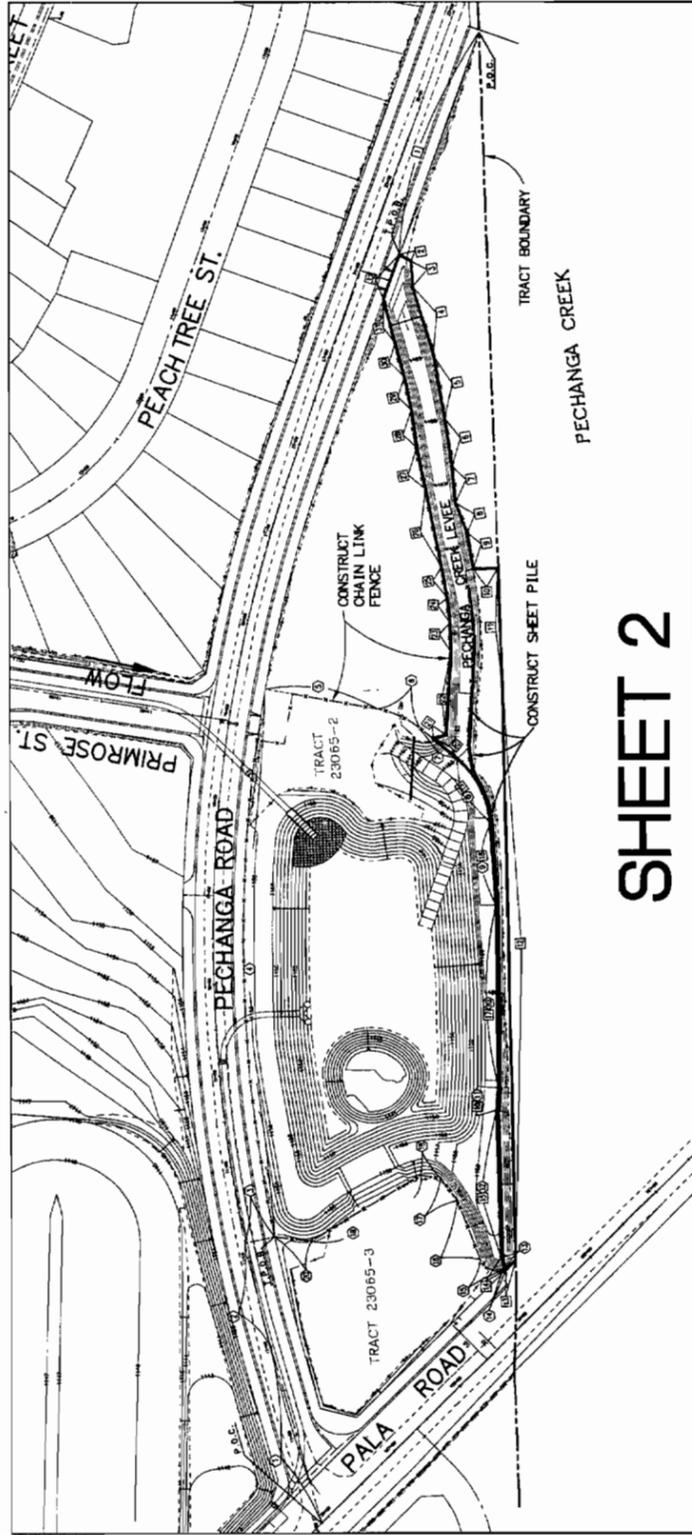
1. THE CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL IMPROVEMENTS SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT'S SPECIFICATIONS DATED SEPTEMBER 1984, AND DESIGN MANUAL STANDARD DRAWINGS DATED MAY 1971.
2. IF AN ENCROACHMENT PERMIT IS REQUIRED FROM RIVERSIDE COUNTY FLOOD CONTROL, THEN CONTACT ED LOTZ AT (909) 955-1266. AFTER THE PERMIT IS ISSUED THE DISTRICT MUST BE NOTIFIED ONE WEEK PRIOR TO CONSTRUCTION.
3. CONSTRUCTION INSPECTION WILL BE PERFORMED BY RIVERSIDE COUNTY FLOOD CONTROL. CONTACT DALE ANDERSON AT (909) 955-1288. THE DISTRICT MUST BE NOTIFIED 20 DAYS PRIOR TO CONSTRUCTION.
4. ALL STATIONS REFERS TO BOUNDARY LINE AND/OR CENTERLINE OF STREET, UNLESS OTHERWISE NOTED.
5. FORTY-EIGHT HOURS BEFORE EXCAVATION, CALL UNDERGROUND SERVICE ALERT 1-800-227-2800.
6. ALL ELEVATIONS SHOWN ARE IN FEET AND DECIMALS THEREOF BASED ON U.S.C. & G.S. DATUM.
7. ELEVATIONS OF UTILITIES ARE APPROXIMATE UNLESS OTHERWISE NOTED.
8. BEDDING PIPE WITH LESS THAN TWO FEET OF COVER SHALL CONFORM TO LOS ANGELES COUNTY FLOOD CONTROL DISTRICT STANDARD DRAWINGS 2-0213.3.3 AND 2-0177 FOR CONCRETE BACKFILL IN TRENCHES. ALL OTHER PIPE SHALL CONFORM TO RCFC & WCD STD. DWG. M615.
9. ALL CROSS-SECTIONS ARE TAKEN LOOKING DOWNSTREAM.
10. ALL CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED IN KIND AND AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED.

ENGINEERS NOTE:

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY OF DESIGN INFORMATION AND THE COMPLETION OF ALL NECESSARY PERMITS AND RECORDS. THE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

NOTICE TO THE CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. APPROVAL OF THIS PLAN BY THE CITY OF TEMECULA, RIVERSIDE COUNTY FLOOD CONTROL DISTRICT, EASTERN MUNICIPAL WATER DISTRICT OR RANCHO CALIFORNIA WATER DISTRICT DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OR THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPE OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE ALL DUE PRECAUTIONARY MEANS TO PROTECT THE UTILITY LINES NOT OF RECORD OR SHOWN ON THIS PLAN.



SHEET 2

PROJECT SITE PLAN
SCALE: 1"=100'

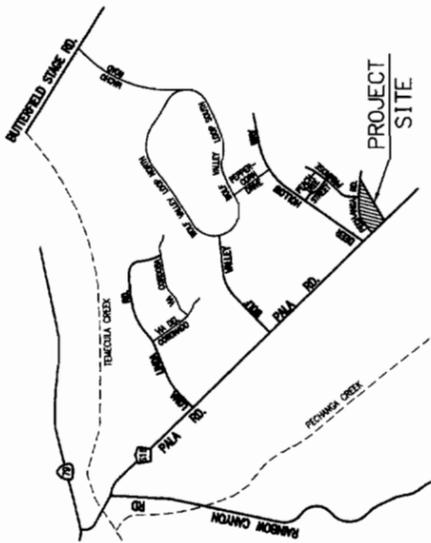


**CAUTION! PROTECT OVERHEAD ELECTRIC POWER
AND TELEPHONE LINES**

SHEET INDEX

TITLE SHEET, GENERAL NOTES AND CONSTRUCTION NOTES	SHEET NO.
PECHANGA CREEK LEVEE PROTECTION SHEET PILE PLAN AND PROFILE	1
PECHANGA CREEK LEVEE PROTECTION SECTIONS AND DETAILS	2
	3

CONSTRUCTION NOTES:	QTY.:
① CONSTRUCT 25' DEEP SHORE GUARD OR EQUIVALENT SHEET PILE	751 LF
② CONSTRUCT 6' HIGH CHAIN LINK FENCE PER RCFC STD. M-801	1,721 LF
③ CONSTRUCT 14' WIDE CHAIN LINK GATES PER RCFC STD. M-801	3 EA.
④ BACKFILL SHEETPILE WITH NATIVE MATERIAL	30 CY



VICINITY MAP
NOT TO SCALE
TOWNSHIP 8 SOUTH RANGE 2 WEST SECTION 28

NO	BEARING/Delta	RADIUS	LENGTH
1	M68°35'23"W	257.21'	257.21'
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14	N70°14'38"E	159.85'	159.85'
15	S89°50'45"E	24.26'	24.26'
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17	S88°51'51"E	90.49'	90.49'
18	M88°02'27"E	46.39/45'	81.44'
19		100.00'	32.81'
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23	N89°09'46"E		27.45'
24	N86°20'55"E		34.12'
25	N81°15'28"E		87.16'
26	N80°14'33"E		46.13'
27	N80°15'04"E		40.40'
28	N83°42'45"E		37.65'
29	N79°53'47"E		37.76'
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19	N29°25'51"W		138.02'
20	N08°35'31"E		40.12'

TRACT NO. 23065-3
WOLF VALLEY
PECHANGA CREEK LEVEE PROTECTION

REVISIONS

PLANNING • DESIGN • CONSTRUCTION

RBF
CONSULTING

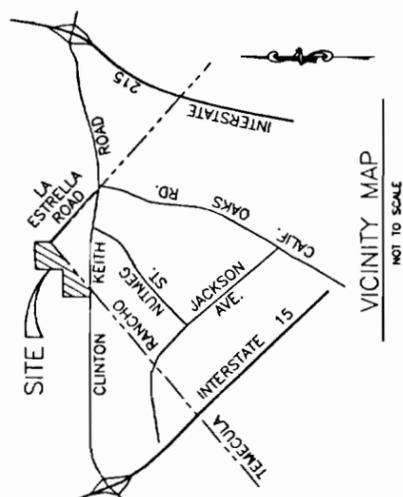
PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
No. 4900

BENCHMARK: T-1-81, ELEV. 1026.428
2 1/2" BRASS DISK IN CONC. CYLINDER 2.4 MILES SOUTHWEST ON HIGHWAY 78 FROM INTERSECTION OF MAIN AND FRONT STREET IN TEMECULA, 33.5' SOUTH OF C/L HIGHWAY

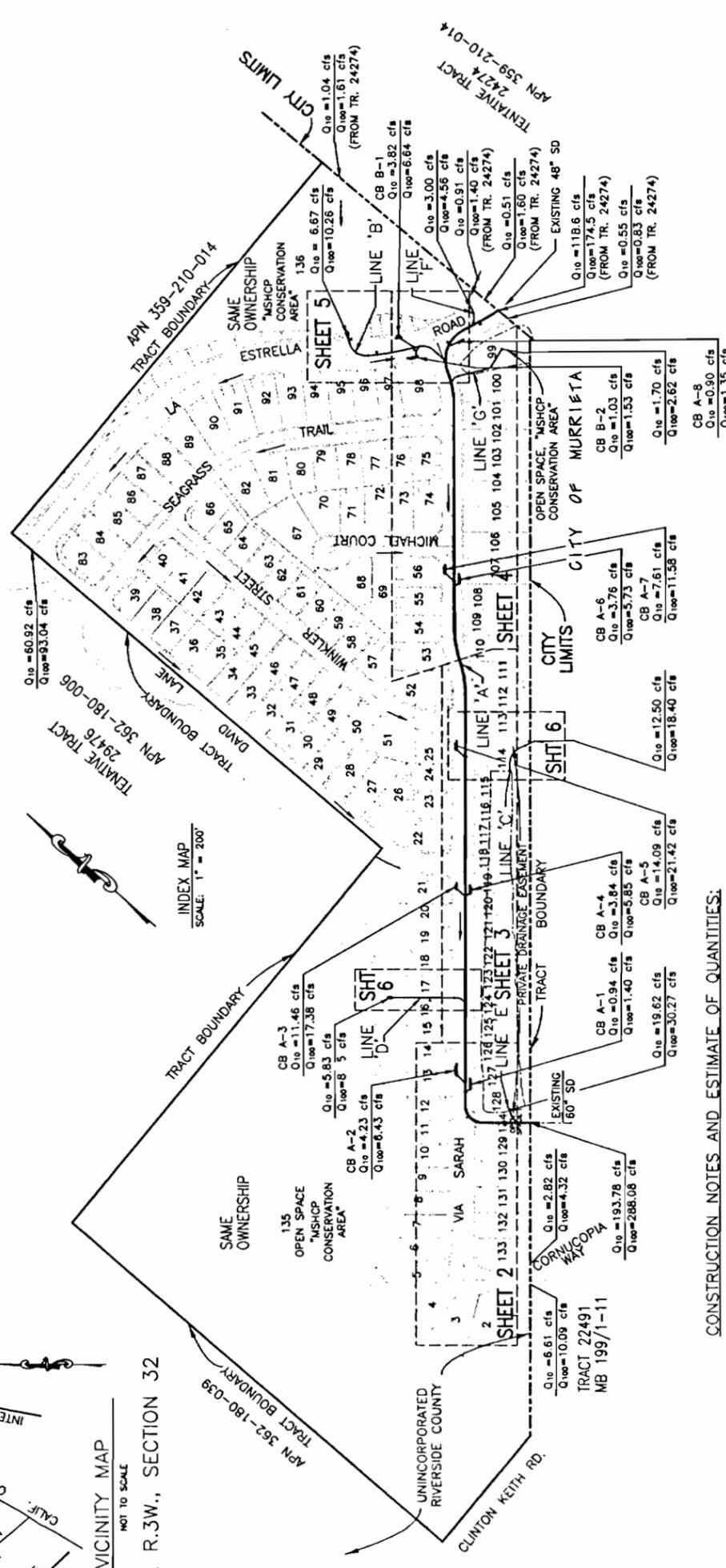
RECOMMENDED FOR APPROVAL BY: [Signature]
PROVED BY: [Signature]

PROJECT NO. 7-0-0283
DRAWING NO. 7-368

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT STORM DRAIN IMPROVEMENT PLANS TRACT NO. 22948



T.6S., R.3W., SECTION 32



CONSTRUCTION NOTES AND ESTIMATE OF QUANTITIES:

NO.	DESCRIPTION	ESTIMATE
1	INSTALL 60" RCP (D-LOAD PER PROFILE)	1609 LF
2	INSTALL 54" RCP (D-LOAD PER PROFILE)	592 LF
3	INSTALL 48" RCP (D-LOAD PER PROFILE)	199 LF
4	CONSTRUCT GUTTER DEPRESSION FOR GRATE OPENING CATCH BASIN PER RCTD STD No. 312 (CASE B)	9 EA
5	INSTALL 24" RCP (CL-IV)	495 LF
6	INSTALL 18" RCP (CL-IV)	609 LF
7	CONSTRUCT TYPE A HEADWALL PER CALTRANS STD. No. D90	5 EA
8	CONSTRUCT CONCRETE COLLAR PER RCF&WCD STD. No. M81	6 EA
9	CONSTRUCT JUNCTION STRUCTURE No. 4 PER RCF&WCD STD No. JS229 (CASE AS SHOWN ON PLAN)	6 EA
10	CONSTRUCT COMBINATION CATCH BASIN PER RCTD STD No. 301 (AS SHOWN ON PLAN)	9 EA
11	CONSTRUCT MANHOLE No. 2 PER RCF&WCD STD No. MH252	5 EA
12	CONSTRUCT CURB INLET CATCH BASIN PER RCTD STD No. 300 (AS SHOWN ON PLAN)	1 EA
13	CONSTRUCT MANHOLE No. 4 PER RCF&WCD STD No. MH254	1 EA
14	CONSTRUCT JUNCTION STRUCTURE No. 2 PER RCF&WCD STD No. JS227	3 EA

NOTIFICATIONS:

NOTE: THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES A MINIMUM OF TWO WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION.

UTILITY/AGENCY	CONTACT INFORMATION
RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT CONSTRUCTION SECTION:	(909) 275-6885
EASTERN MUNICIPAL WATER DISTRICT (JIM WYATT):	(909) 766-1810, EXT. 4830
GENERAL TELEPHONE COMPANY:	1-800-227-2600
SOUTHERN CALIFORNIA GAS COMPANY:	1-800-227-2600
RANCHO CALIFORNIA WATER DISTRICT:	1-800-227-2600
SOUTHERN CALIFORNIA EDISON COMPANY:	(909) 928-8270
UNDERGROUND SERVICE ALERT:	1-800-227-2600

GENERAL NOTES:

- CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL IMPROVEMENTS SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICTS (RCFC&WCD) M.O.U. STANDARD SPECIFICATIONS DATED SEPTEMBER 1984 AND DESIGN MANUAL STANDARD DRAWINGS DATED MAY 1971.
- ALL STATIONING REFERS TO CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED.
- STATIONING FOR LATERALS AND CONNECTOR PIPES REFER TO THE CENTERLINE-CENTERLINE INTERSECTION STATION.
- FORTY-EIGHT HOURS PRIOR TO EXCAVATION, CALL UNDERGROUND SERVICE ALERT (USA) 1-800-227-2600.
- ALL ELEVATIONS SHOWN ARE IN FEET AND DECIMALS THEREOF BASED ON U.C.S. AND G.S. DATUM.
- ALL CROSS SECTIONS ARE TAKEN LOOKING DOWNSTREAM.
- ELEVATIONS OF UTILITIES ARE APPROXIMATE UNLESS OTHERWISE NOTED.
- OPENINGS RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES, OR SIMILAR STRUCTURES TO BE ABANDONED SHALL BE SEALED WITH SIX INCHES OF CLASS "B" CONCRETE.
- PIPE CONNECTED TO THE MAINLINE PIPE SHALL CONFORM TO JUNCTION STRUCTURE NO. 4 (JS229) UNLESS OTHERWISE NOTED.
- BEDDING PIPE WITH LESS THAN TWO FEET OF COVER SHALL CONFORM TO LOS ANGELES COUNTY FLOOD CONTROL DISTRICT STANDARD DRAWINGS 2-0213.3 AND 2-0177 FOR CONCRETE BACKFILL IN TRENCHES. ALL OTHER PIPE SHALL CONFORM TO RCFC & WCD STANDARD DRAWING M815.
- "V" IS THE DEPTH OF INLET OF CATCH BASINS MEASURED FROM THE TOP OF CURB TO INVERT OF CONNECTOR PIPE.
- CATCH BASINS SHALL BE LOCATED SO THAT LOCAL DEPRESSION SHALL BEGIN AT EXISTING CURB RETURN JOINT UNLESS OTHERWISE SPECIFIED.
- ALL CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS, AND OTHER EXISTING IMPROVEMENT TO BE RECONSTRUCTED IN KIND AND AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED.

NOTE:
WHEN VELOCITY IS > 20 fps:
THE CONCRETE COATING ON THE INSIDE OF ALL REINFORCED CONCRETE PIPES MUST BE INCREASED TO PROVIDE A MINIMUM OF 1-1/2" OVER THE REINFORCING WHEN THE DESIGN VELOCITIES EXCEED 20 FEET PER SECOND. THE CONCRETE DESIGN STRENGTH IN THESE REACHES SHALL BE f_c=5,000 psi FOR VELOCITIES EXCEEDING 20 FEET PER SECOND AND f_c=6,000 psi FOR VELOCITIES EXCEEDING 30 FEET PER SECOND.

DRAINAGE EASEMENTS SHALL BE KEPT FREE OF BUILDINGS AND OBSTRUCTIONS

SHEET INDEX

TITLE SHEET	SHEET NO.
PLAN AND PROFILE, LINES "A" AND "E"	1
PLAN AND PROFILE, LINE "A"	2
PLAN AND PROFILE, LINE "A"	3
PLAN AND PROFILE, LINES "B", "F", AND "G"	4
PLAN AND PROFILE, LINES "C", "D", AND DETAILS	5
CATCH BASIN LATERAL PROFILES	6
	7

BENCHMARK R-5
ALUMINUM DISC IN CONCRETE POST APPROX. 0.45 MILES N.W. LY FROM THE POST OFFICE AT MURRIETA, CA. N.E. OF THE INTERSECTION OF KALMAIA ST. AND 2ND AVE., 31 FEET N.E. LY OF THE CENTERLINE ON 2ND AVE., 31 FEET S.E. LY OF CENTERLINE OF KALMAIA ST., 56 FEET S.E. LY OF PP NO. 1594287E, 2 FEET N.W. LY OF END OF BLOCK WALL, 5 FEET N.E. LY OF A 4"x4" STREET SIGN POST.
RESET 1983
ELEVATION = 1094.817

BASIS OF BEARINGS
THE BASIS OF BEARING FOR THIS PLAN IS THE SOUTH LINE OF THE N.E. 1/4 OF SECTION 32, T.6S., R.3W., S.B.M. PER R.S. 49/45 BEING N 88°44'24" E.

FEMA FLOOD ZONE DESIGNATION:
ZONE "C"

WDID No.:
9335319739

OWNER
WINKLER ACRES, LTD.
C/O JAMES T. WINKLER
93 CALLAWAY CIRCLE
HENDERSON, NV 89074
702-862-8800 PHONE
702-862-8811 FAX



DUPLICATE OF ORIGINAL - DO NOT REVISE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

GENERAL NOTES

- CONSTRUCTION INSPECTION WILL BE PERFORMED BY RIVERSIDE COUNTY FLOOD CONTROL. CONTACT DALE ANDERSON AT 909-955-1288. THE DISTRICT MUST BE NOTIFIED 20 DAYS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL IMPROVEMENTS SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT'S M.O.U. STANDARD SPECIFICATIONS DATED SEPTEMBER 1984, AND DESIGN MANUAL STANDARD DRAWINGS DATED MAY 1971.
- AN ENCROACHMENT PERMIT IS REQUIRED FROM RIVERSIDE COUNTY FLOOD CONTROL. CONTACT ED LOTZ AT 909/955-1266. AFTER THE PERMIT IS ISSUED THE DISTRICT MUST BE NOTIFIED ONE WEEK PRIOR TO CONSTRUCTION.
- CONSTRUCTION INSPECTION WILL BE PERFORMED BY RIVERSIDE COUNTY FLOOD CONTROL. CONTACT DALE ANDERSON AT 909/955-1288. THE DISTRICT MUST BE NOTIFIED TWENTY DAYS (20) PRIOR TO CONSTRUCTION.
- ALL STATIONING REFERS TO CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED.
- STATIONING FOR LATERALS AND CONNECTOR PIPE REFER TO THE CENTERLINE INTERSECTION STATIONS.
- FORTY-EIGHT HOURS BEFORE EXCAVATION, CALL UNDERGROUND SERVICE ALERT 1-800-227-2600.
- ALL ELEVATIONS SHOWN ARE IN FEET AND DECIMALS THEREOF BASED ON U.S.C. & G.S. DATUM.
- ALL CROSS SECTIONS ARE TAKEN LOOKING DOWNSTREAM.
- ELEVATIONS OF UTILITIES ARE APPROXIMATE UNLESS OTHERWISE NOTED.
- OPENINGS RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES TO BE ABANDONED SHALL BE SEALED WITH 6" OF CLASS "B" CONCRETE.
- PIPE CONNECTED TO THE MAINLINE PIPE SHALL CONFORM TO JUNCTION STRUCTURE NO. 4 (JS 229) UNLESS OTHERWISE NOTED.
- PIPE BEDDING SHALL CONFORM TO RCF&WCD STD. DWG. NO. M815 EXCEPT FOR COVER < 2 FEET. FOR COVER < 2 FEET, CONCRETE SLURRY (2000 PSI - 2 SACK) SHALL BE USED. THE ENTIRE TRENCH SHALL BE SLURRY EXTENDING 4 INCHES MINIMUM AND 12 INCHES MAXIMUM ABOVE THE TOP OF PIPE.
- HS-1 & HS-10 INDICATES SOIL BORING LOCATIONS PER SOILS REPORT BY PACIFIC SOILS ENGINEERING INC. DATED SEPTEMBER 20, 2001.
- "V" IS THE DEPTH OF CATCH BASINS MEASURED FROM THE TOP OF CURB TO INVERT OF CONNECTOR PIPE.
- CATCH BASINS SHALL BE LOCATED SO THAT LOCAL DEPRESSION SHALL BEGIN AT EXISTING CURB RETURN JOINT, UNLESS SPECIFIED.
- ALL CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED IN KIND AND AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED.
- STANDARD DRAWINGS CALLED FOR ON THE PLAN AND PROFILE SHALL CONFORM TO DISTRICT STANDARD DRAWINGS UNLESS NOTED OTHERWISE.
- THE CONTRACTOR IS REQUIRED TO CALL ALL UTILITY AGENCIES REGARDING TEMPORARY SHORING AND SUPPORT REQUIREMENTS FOR THE VARIOUS UTILITY LINES SHOWN ON THESE PLANS.
- DURING ROUGH GRADING OPERATIONS AND PRIOR TO CONSTRUCTION OF PERMANENT DRAINAGE STRUCTURES, TEMPORARY DRAINAGE CONTROL SHOULD BE PROVIDED TO PREVENT PONDING WATER AND DAMAGE TO ADJACENT PROPERTIES.
- APPROVAL OF THESE PLANS BY THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT DOES NOT RELIEVE THE DEVELOPER'S ENGINEER OF RESPONSIBILITY FOR THE ENGINEERING DESIGN. IF FIELD CHANGES ARE REQUIRED, IT WILL BE THE RESPONSIBILITY OF THE DESIGN ENGINEER TO MAKE THE NECESSARY CORRECTIONS.
- THE CONTRACTOR OR DEVELOPER SHALL SECURE ALL REQUIRED ENCROACHMENT AND/OR STATE AND FEDERAL REGULATORY PERMITS PRIOR TO THE COMMENCEMENT OF ANY WORK.
- PIPE BEDDING SHALL CONFORM TO R.C.F.C.W.C.D. STANDARD DRAWING NO. M-815 EXCEPT FOR COVER LESS THAN TWO FEET. FOR COVER LESS THAN TWO FEET, CONCRETE SLURRY (2000 PSI - 2 SACK MIX) BACKFILL SHALL BE USED. THE ENTIRE TRENCH SHALL BE SLURRY BACKFILLED EXTENDING 4" MINIMUM AND 12" MAXIMUM ABOVE THE TOP OF PIPE.

CHANNEL LINING NOTES

- TURF REINFORCEMENT SHALL BE C-350 PERMANENT COMPOSITE REINFORCEMENT MANUFACTURED BY NORTH AMERICAN GREEN, 14649 HIGHWAY 41 NORTH, EVANSVILLE, IN. 47725 (PHONE 812-867-6632, 800-772-2040, WWW.NAGREEN.COM) OR EQUIVALENT.
- TURF INSTALLATION SHALL BE PER THE SPECIFICATIONS OF THE TURF REINFORCEMENT MAT'S MANUFACTURER. THE TURF INSTALLATION SHALL INCLUDE A PERMANENT IRRIGATION SYSTEM.
- TURF SHALL BE "CAL NATIVE" CREEPING RED FESCUE.
- A FIVE FOOT WIDE (5') CENTER STRIP (SEE DETAIL ON SHT. 17) OF "EMERGENT" VEGETATION, EXCLUSIVE OF SHRUBS AND WOODY VEGETATION, SHALL BE ALLOWED TO FLOURISH AS A NATURAL OCCURRENCE (NO PLANTING REQUIRED). MOWING OF THIS CENTER STRIP SHALL OCCUR ON OR ABOUT EACH OF THE FOLLOWING DATES ANNUALLY: OCTOBER 15, DECEMBER 1, AND JANUARY 15. NO MOWING SHALL TAKE PLACE WITHIN THE CENTER FIVE FOOT STRIP (5') AFTER FEBRUARY 1 AND THROUGH THE NESTING SEASON.
- EXCLUSIVE OF THE FIVE FOOT CENTER STRIP, THE TURF SHALL BE MOWED SO AS TO SATISFY THE AESTHETIC GOALS OF THE TEMECULA COMMUNITY SERVICES DISTRICT AND/OR THE HOMEOWNER'S ASSOCIATION. HOWEVER, AT A MINIMUM DURING THE RAINY SEASON (OCTOBER 1 - APRIL 30), THE MOWING SHALL OCCUR WHEN THE GRASS HEIGHT REACHES A MAXIMUM HEIGHT OF EIGHT INCHES (8").
- IRRIGATION PIPES AND APPURTENANCES, UTILITIES AND ANY OTHER OBJECTS WHICH MAY REQUIRE MAINTENANCE SHALL NOT BE INSTALLED BELOW OR WITHIN THE AREA COVERED BY THE TURF REINFORCEMENT MAT IN ORDER TO PRESERVE THE STRUCTURAL INTEGRITY OF SAID MAT.

UNDERGROUND SERVICE ALERT

Call: TOLL FREE
1-800-227-2600

TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK:
RIVERSIDE COUNTY 600-62-89
1970 BRASS DISC SET 1' EAST OF CONCRETE POST MARKER STAMPED 68 RES. 2.9 MILES S.E. ALONG PALA ROAD FROM POST OFFICE AT TEMECULA 29' N.E. OF THE PAVED ROAD 5' N.W. OF TEL. POLE NO. 6295, C.W.T. 3' S.W. OF 36" CONCRETE STANDPIPE. ELEV. 1039.378

BASIS OF BEARINGS

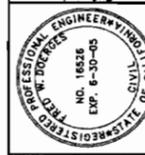
THE BASIS OF BEARINGS IS THE CENTERLINE OF PALA ROAD PER RECORD OF SURVEY BOOK 100, PAGE 26, E. N47°45'28" W

REF.	DESCRIPTION	APPR.	DATE	APPR.	DATE
A	REVISE SECTION AND ALIGNMENT ON SHT. 10 STA. 54+07.52 TO 54+53.05	A.J.T.	12-6-04		
B	ADD STORM DRAIN PLAN PROFILE 1" F" TO SHTS. 10 & 12	A.J.T.	12-6-04		

ENGINEER	RCFC/WCD
A.J.T.	Mitchell

Lohr + Associates Inc
Lead Planning
Civil Engineering
Surveying
4513 Bala Park Drive
Temecula, CA 92590
Phone: 909 678-6728 Fax: 909 688-0886

PREPARED BY: *Paul M. Doerges* 5-18-04
FRED W. DOERGES
R.C.E.No. 18526 EXP. DATE 6-30-05

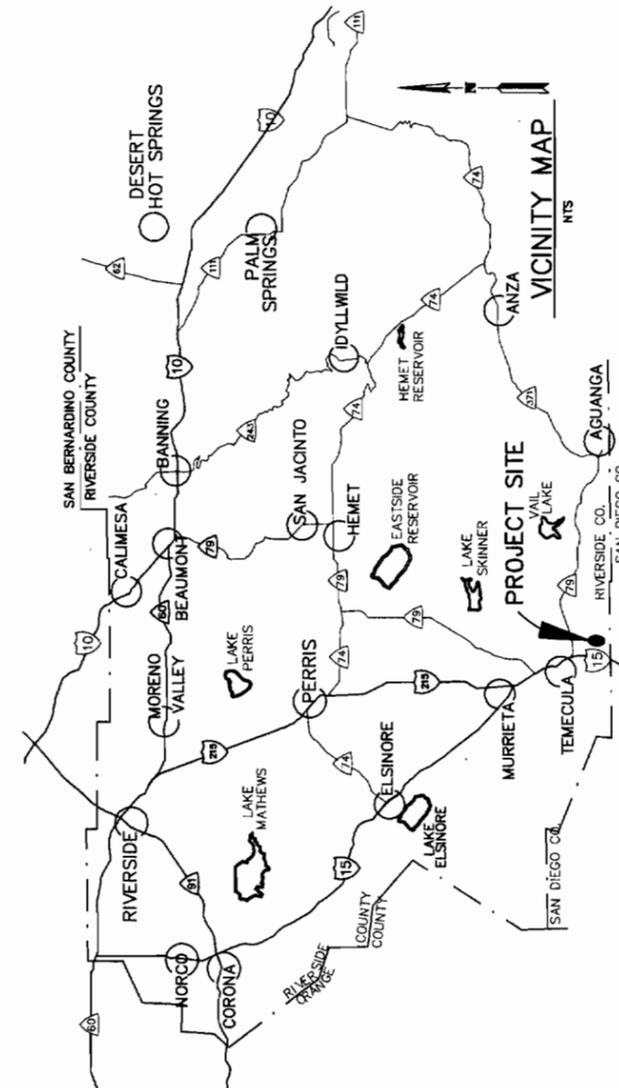


RIVERSIDE COUNTY FLOOD CONTROL
WATER CONSERVATION DISTRICT
RECOMMENDED FOR APPROVAL BY:
Shirley K. ...
PLANNING ENGINEER
DATE: 6-3-04



RECOMMENDED BY: *Shirley K. ...*
ACCEPTED BY: *Ronald J. Parks*
RONALD J. PARKS
DEPUTY DIRECTOR OF PUBLIC WORKS
R.C.E. No. 19744 EXP. DATE 9/30/06

PROJECT NO. 7-0-0260-02
DRAWING NO. 7-374
SHEET NO. 1 OF 17



INDEX MAP

SEE SHEET 2

MAINTENANCE RESPONSIBILITIES

INDEMNIFICATION—THE MAINTENANCE AGREEMENT INDEMNIFIES RCFWCD FROM ANY LIABILITY INCURRED FOR THE DESIGN OF, FROM THE OPERATION OF, FROM THE MAINTENANCE OF AND THE PUBLIC ACCESS TO THE CHANNEL.

R.C.F.C.W.C.D. MAINTAINS:

- FOR WOLF VALLEY CREEK CHANNEL, STAGE 2
STATION 10+03.73 TO STATION 99+58.05
- STRUCTURES
 - LOMA LINDA ROAD—CONCRETE STRUCTURE UPSTREAM OF TRIPLE RC BOX.
 - WOLF CREEK DRIVE N.—CONCRETE STRUCTURES DOWNSTREAM AND UPSTREAM OF TRIPLE RC BOX.
 - WOLF VALLEY ROAD—CONCRETE STRUCTURES DOWNSTREAM AND UPSTREAM OF DOUBLE RC BOX.
 - WOLF CREEK DRIVE S.—CONCRETE STRUCTURES DOWNSTREAM AND UPSTREAM OF DOUBLE RC BOX.
 - DEER HOLLOW ROAD—CONCRETE STRUCTURE DOWNSTREAM OF 96-INCH R.C.P. AND 72-INCH R.C.P.
- SLOPE FAILURES—AFTER TURF IS ESTABLISHED ON THE SLOPES (100% COVERAGE AND AT LEAST 2-INCHES HIGH), RCFWCD WILL RESTORE SLOPES THAT HAVE A MAJOR FAILURE. THIS DOES NOT INCLUDE EROSION ON SLOPES CAUSED BY DRAINAGE FROM ADJACENT PROPERTIES.
- DEBRIS REMOVAL
 - STRUCTURES LISTED UNDER STRUCTURES AND RC BOX CROSSINGS—RCFCWCD WILL BE RESPONSIBLE FOR ALL DEBRIS REMOVAL.
 - RCFCWCD WILL REMOVE DEBRIS FROM AREAS OF THE TURF CHANNEL BOTTOM WHEN THE DEBRIS DEPOSIT IN THE CHANNEL BOTTOM AT THE LEVEE TOES IS GREATER THAN 12-INCHES.
- R.C.F.C.W.C.D. WILL NOT MAINTAIN, LANDSCAPING, IRRIGATION SYSTEMS, OR TURF.

UNDERGROUND UTILITIES

ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR OTHERS AND THOSE SHOWN ON THE RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE OWNER BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT THERETO AGREES TO ASSUME LIABILITY AND TO HOLD UNDERSIGNED HARMLESS FOR ANY DAMAGES RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED. NOT INDICATED ON THE PUBLIC RECORDS EXAMINED: LOCATED AT VARIANCE WITH THAT REPORTED OR SHOWN ON RECORDS MEASURES TO LOCATE THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNER OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK.

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CHANNEL PLAN AND PROFILE
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LINES "EA" AND "EB"
LINES "EC" AND "ED"
LINE "DC" AND DETAILS
TRANSITION STRUCTURE DETAILS

R.C.F.C. & W.C.D. STANDARD DRAWINGS

- JS 230 JUNCTION STRUCTURE No. 5
JS 231 JUNCTION STRUCTURE No. 6
MH 251 MANHOLE NO. 1
MH 255 MANHOLE FRAME & COVER NON-ROCKING
MH 257 MANHOLE SHAFT FOR CAST PIPE
MH 259 STANDARD DROP STEP
M 816 CONCRETE BULKHEAD

CALTRANS STANDARD DRAWINGS

- D80 REINFORCED CONCRETE SINGLE BOX CULVERT
D81 REINFORCED CONCRETE DOUBLE BOX CULVERT
D82 BOX CULVERT MISCELLANEOUS DETAILS

ENGINEERS ESTIMATE OF QUANTITIES

- CONST. REINFORCED GRASS LINED CHANNEL ~ 7075 L.F.
- CONST. TRIPLE 14" W X 6" H R.C.B. ~ 188 L.F.
- CONST. DOUBLE 12" W X 6" H R.C.B. ~ 78 L.F.
- CONST. 11" W X 6.5" H R.C.B. ~ 53 L.F.
- INSTALL 60" R.C.P. (1400-D) ~ 47 L.F.
- INSTALL 48" R.C.P. (1300-D) ~ 133 L.F.
- INSTALL 36" R.C.P. (2000-D) ~ 184 L.F.
- INSTALL 30" R.C.P. (2000-D) ~ 388 L.F.
- INSTALL 24" R.C.P. (CLASS IV) ~ 48 L.F.
- INSTALL 21" R.C.P. (CLASS IV) ~ 5 L.F.
- CONST. M.H. NO. 1 ~ 1 EA.
- CONST. J.S. NO. 6 MODIFIED ~ 3 EA.
- CONST. J.S. NO. 6 ~ 4 EA.
- CONST. CONCRETE BULKHEAD ~ 10 EA.
- CONST. INLET TRANSITION STRUCTURE ~ 835 L.F.
- CONST. OUTLET TRANSITION STRUCTURE ~ 390 L.F.
- CONST. JS No. 5 ~ 1 EA.
- PLACE 2 TON ROCK RIP RAP ~ 2,342 C.Y.
- PLACE 1 TON ROCK RIP RAP ~ 2,382 C.Y.
- PLACE No. 2 BACKFILL 12" THICK W/MIRAFI 700 X FILTER FABRIC ~ 987 C.Y.
- CONST. CONCRETE END SILL TYPE A ~ 70 C.Y.
- CONST. CONCRETE BACKFILL ~ 383 L.F.
- INSTALL 3" CRUSHED SLAG BASE ~ 122,850 S.F.
- CONST. CONCRETE END SILL TYPE B ~ 128 C.Y.
- MAINTENANCE RAMP ~ 8 EA.
- CONST. PIER WALL ~ 5 EA.

UNDERGROUND STRUCTURES

ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR OTHERS AND THOSE SHOWN ON THE RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE OWNER BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT THERETO AGREES TO ASSUME LIABILITY AND TO HOLD UNDERSIGNED HARMLESS FOR ANY DAMAGES RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED. NOT INDICATED ON THE PUBLIC RECORDS EXAMINED: LOCATED AT VARIANCE WITH THAT REPORTED OR SHOWN ON RECORDS MEASURES TO LOCATE THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNER OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK.

LD02-137GR
PROJECT NO. 7-0-0260-02
DRAWING NO. 7-374
SHEET NO. 1 OF 17

WOLF VALLEY CREEK CHANNEL, STAGE 2 TR. 29305 TITLE SHEET

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT INDEX

SHEET NO. 1

TITLE SHEET

PLAN & PROFILE (OPEN BOX CHANNEL) SHEET 2,3,4 OMITTED

STRUCTURAL DETAILS

PLAN AND PROFILE

BASIN DETAILS AND CROSS SECTIONS

R.C.F.C. & W.C.D. STANDARD DRAWINGS

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MH 252	MANHOLE NO. 2	23
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TS 302	TRANSITION STRUCTURE No. 2	28

GENERAL NOTES

1. THE CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL IMPROVEMENTS SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT'S M.O.U. STANDARD SPECIFICATIONS DATED SEPTEMBER 1984, AND DESIGN MANUAL STANDARD DRAWINGS DATED MAY 1971.

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3. CONSTRUCTION INSPECTION WILL BE PERFORMED BY RIVERSIDE COUNTY FLOOD CONTROL. CONTACT DALE ANDERSON AT 909/955-1288. THE DISTRICT MUST BE NOTIFIED TWENTY DAYS (20) PRIOR TO CONSTRUCTION.

4. ALL STATIONING REFERS TO CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED.

5. STATIONING FOR LATERALS AND CONNECTOR PIPE REFER TO THE CENTERLINE INTERSECTION STATIONS.

6. FORTY-EIGHT 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. & G.S. DATUM.

8. ALL CROSS SECTIONS ARE TAKEN LOOKING DOWNSTREAM.

9. ELEVATIONS OF UTILITIES ARE APPROXIMATE UNLESS OTHERWISE NOTED.

10. OPENINGS RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES TO BE ABANDONED SHALL BE SEALED WITH 6" OF CLASS "B" CONCRETE.

11. PIPE CONNECTED TO THE MAINLINE PIPE SHALL CONFORM TO JUNCTION STRUCTURE NO. 4 (JS 229) UNLESS OTHERWISE NOTED.

12. PIPE BEDDING SHALL CONFORM TO RCFC&WCD STD. DWG. NO. MB15 EXCEPT FOR COVER <2 FEET. FOR COVER <2 FEET, CONCRETE SLURRY (2000 PSI & 2" SACK) SHALL BE USED. THE ENTIRE TRENCH SHALL BE SLURRY EXTENDING 4 INCHES MINIMUM AND 12 INCHES MAXIMUM ABOVE THE TOP OF PIPE.

13. BH-1 INDICATES SOIL BORING LOCATIONS BASED ON THE SOILS REPORT DATED JULY 7, 2003 PREPARED BY SID GEOTECHNICAL INC. LOCATIONS SHOWN ARE APPROXIMATE.

14. "V" IS THE DEPTH OF CATCH BASINS MEASURED FROM THE TOP OF CURB TO INVERT OF CONNECTOR PIPE.

15. CATCH BASINS SHALL BE LOCATED SO THAT LOCAL DEPRESSION SHALL BEGIN AT EXISTING CURB RETURN JOINT, UNLESS SPECIFIED.

16. ALL CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED IN KIND AND AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED.

17. STANDARD DRAWINGS CALLED FOR ON THE PLAN AND PROFILE SHALL CONFORM TO DISTRICT STANDARD DRAWINGS UNLESS NOTED OTHERWISE.

18. THE CONTRACTOR IS REQUIRED TO CALL ALL UTILITY AGENCIES REGARDING TEMPORARY SHORING AND SUPPORT REQUIREMENTS FOR THE VARIOUS UTILITY LINES SHOWN ON THESE PLANS.

19. DURING ROUGH GRADING OPERATIONS AND PRIOR TO CONSTRUCTION OF PERMANENT DRAINAGE STRUCTURES TEMPORARY DRAINAGE CONTROL SHOULD BE PROVIDED TO PREVENT PONDING WATER AND DAMAGE TO ADJACENT PROPERTIES.

20. APPROVAL OF THESE PLANS BY THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT DOES NOT RELIEVE THE DEVELOPER'S ENGINEER OF RESPONSIBILITY FOR THE ENGINEERING DESIGN. IF FIELD CHANGES ARE REQUIRED, IT WILL BE THE RESPONSIBILITY OF THE DESIGN ENGINEER TO MAKE THE NECESSARY CORRECTIONS.

21. THE CONTRACTOR OR DEVELOPER SHALL SECURE ALL REQUIRED ENCROACHMENT AND/OR STATE AND FEDERAL REGULATORY PERMITS PRIOR TO THE COMMENCEMENT OF ANY WORK.

22. THE CONCRETE COVER ON THE INSIDE OF ALL REINFORCED CONCRETE PIPES MUST BE INCREASED TO PROVIDE A MINIMUM OF 1 1/2" OVER THE REINFORCING WHEN THE DESIGN VELOCITIES EXCEED 20 FEET PER SECOND. THE CONCRETE DESIGN STRENGTH IN THESE REACHES SHALL BE F=4000 PSI FOR VELOCITIES EXCEEDING 20 FEET PER SECOND.

NOTE

THE FOLLOWING ITEMS ARE TO BE INSPECTED AND MAINTAINED BY RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

-12'X5' R.C.B. STA. 17+80.53 TO STA. 18+60.98

-12'X5' TO 12'X4' TRANSITION STA. 18+60.98 TO STA. 18+70.98

-12'X4' R.C.B. STA. 8+70.98 TO STA. 19+51.00

-12'X4' R.C.B. TO 72" PIPE TRANSITION STA. 19+51.00 TO STA. 19+81.00

-72" R.C.P. STA. 19+81.00 TO STA. 33+61.48

-TOP SLAB (ONLY) FOR RCB TO BE CONSTRUCTED PER SHEETS 2-4, DRAWINGS NO. 4-770

NOTE

THE FOLLOWING SHEETS ARE TO BE APPROVED BY RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT: -SHEETS 8-10

THE FOLLOWING SHEETS ARE REVISIONS TO EXISTING APPROVED PLANS -SHEETS 2-4

ADAMS & STREETER CIVIL ENGINEERS, INC. 3400 New River Rd. San Diego, CA 92108

RECOMMENDED FOR APPROVAL BY: [Signature]

PLANNING ENGINEER DATE: 11/12/04

CHIEF ENGINEER DATE: 11/12/04

ADAMS & STREETER CIVIL ENGINEERS, INC. 3400 New River Rd. San Diego, CA 92108

RECOMMENDED FOR APPROVAL BY: [Signature]

PLANNING ENGINEER DATE: 11-10-2004

CHIEF ENGINEER DATE: 11/12/04

ADAMS & STREETER CIVIL ENGINEERS, INC. 3400 New River Rd. San Diego, CA 92108

RECOMMENDED FOR APPROVAL BY: [Signature]

PLANNING ENGINEER DATE: 11-10-2004

CHIEF ENGINEER DATE: 11/12/04

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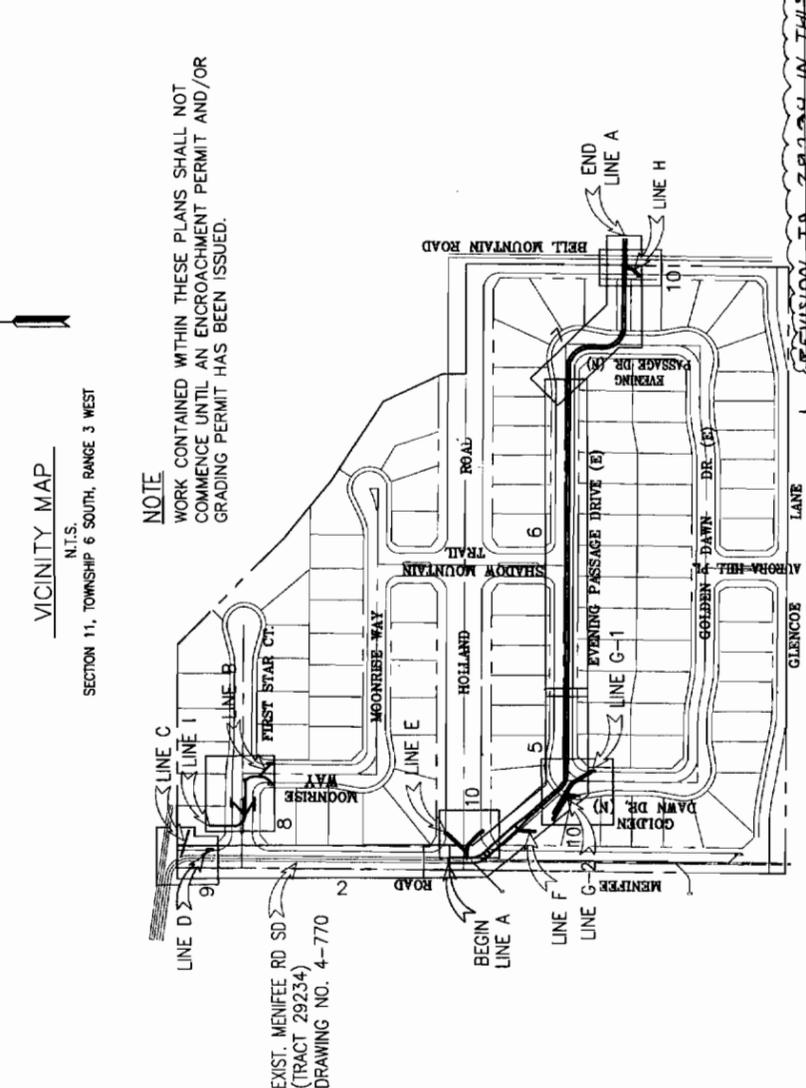
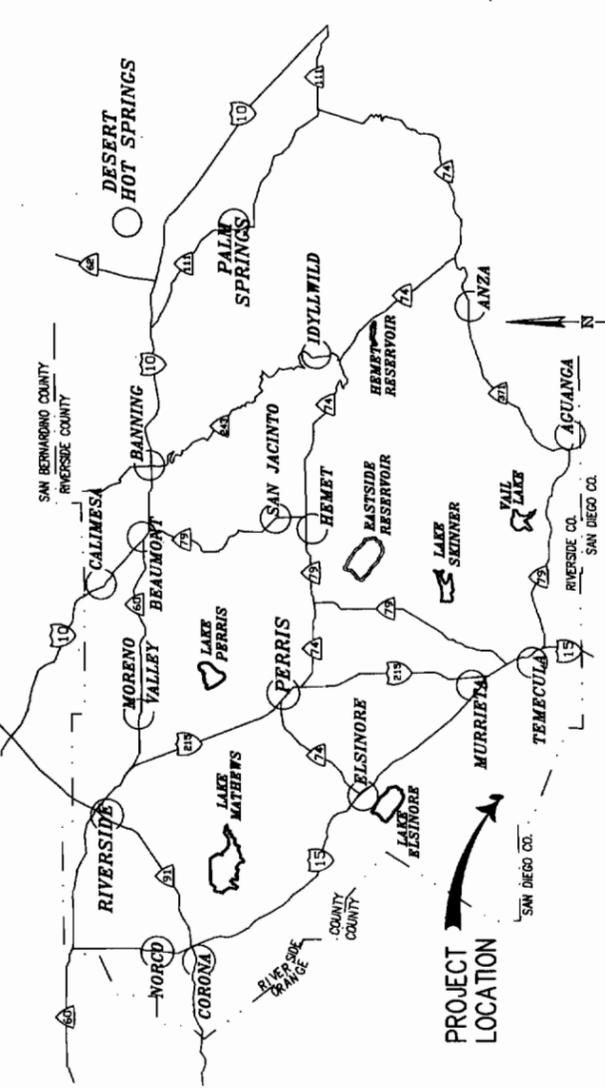
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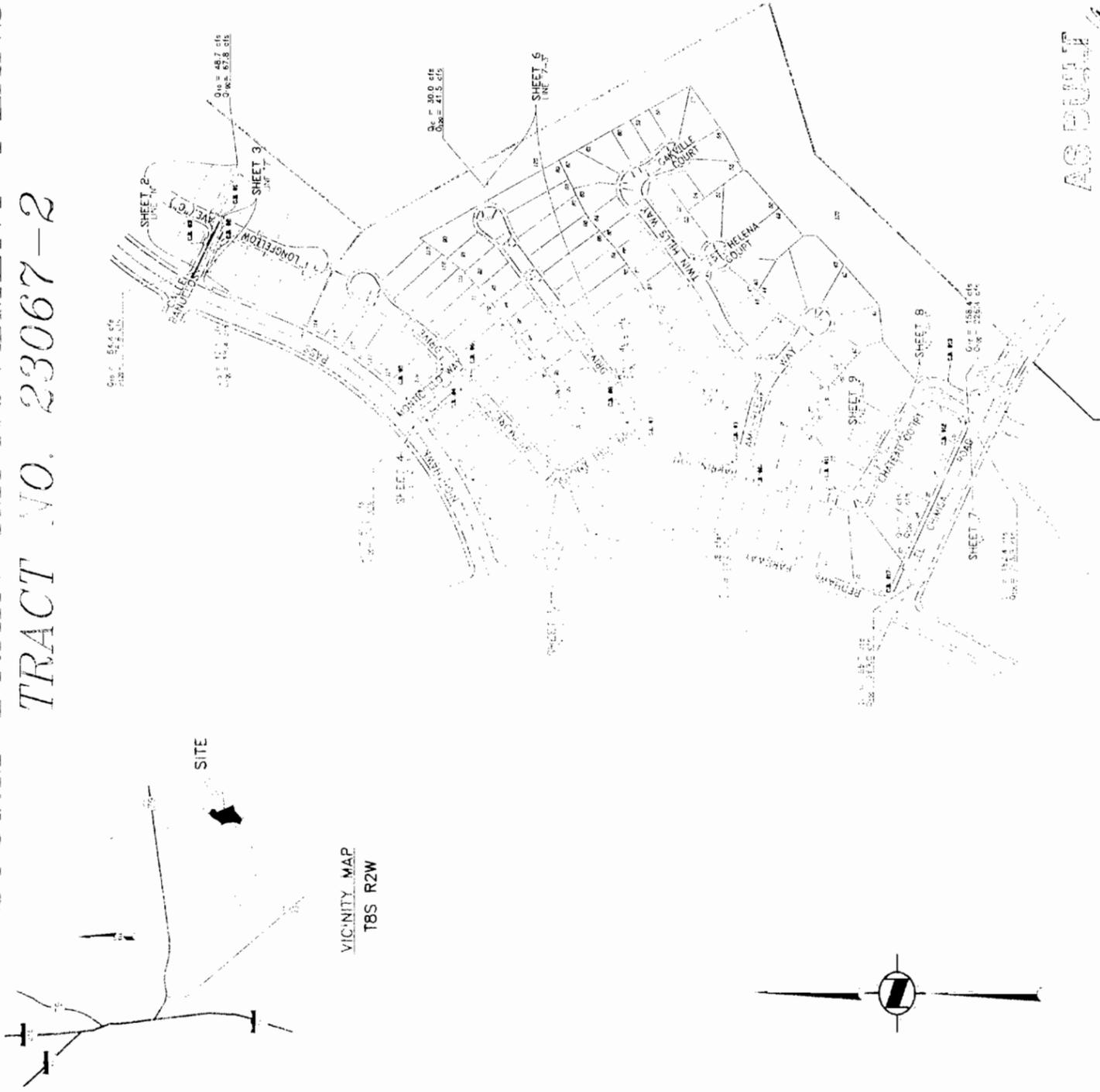
REVISION TO 29234 IN THIS SET DOES NOT CHANGE 29234 RECORD SET

Don't Dig...Until You Call U.S.A. Toll Free 1-800-227-2600 for the location of buried utility lines. Don't disrupt vital services. NO WORKING DAYS BEFORE YOU DIG

REVISIONS	ENGINEER	RCFC/	DESIGNED BY:	DATE	APPR.	DATE
1. DELETE SHEETS 2, 3, 4 FROM SHEET	[Signature]	[Signature]	F.M.	11/12/04		
2. INDEX: DELETE NOTE ABOUT TR 29234	[Signature]	[Signature]	P.H.	11/12/04		
3. CHANGE 72" RCP CLASS TYPE	[Signature]	[Signature]	P.H.	11/12/04		
			DATE DRAWING:	8/04		

BENCH MARK
1 1/4" IRON PIPE WITH TAG, RCE 14232, FLUSH, AT CENTERLINE OF MENEFEE ROAD AND ALTON LANE PER PARCEL MAP NO. 21838, PMB 146/1-26. ELEVATION OF 1436.53 FEET, NGVD 29.

RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT STORM DRAIN IMPROVEMENT PLANS TRACT NO. 23067-2



APPROVED BY: *[Signature]*
DATE: 5/27/99

INDEX MAP

NO	DESCRIPTION	QUANTITY	UNIT
80	INST. 18" R.C.P. CLASS IV (SEE PROFILE FOR D-LOAD)	179	LF
81	INST. 24" R.C.P. CLASS IV (SEE PROFILE FOR D-LOAD)	466	LF
82	INST. 30" R.C.P. CLASS IV (SEE PROFILE FOR D-LOAD) C.I.P.P. ALTERNATIVE	200	LF
83	INST. 36" R.C.P. CLASS IV (SEE PROFILE FOR D-LOAD) C.I.P.P. ALTERNATIVE	287	LF
84	INST. 42" R.C.P. CLASS IV (SEE PROFILE FOR D-LOAD) C.I.P.P. ALTERNATIVE	0	LF
85	INST. 48" R.C.P. CLASS IV (SEE PROFILE FOR D-LOAD) C.I.P.P. ALTERNATIVE	0	LF
86	INST. 54" R.C.P. CLASS IV (SEE PROFILE FOR D-LOAD) C.I.P.P. ALTERNATIVE	0	LF
88	INST. 66" R.C.P. CLASS IV (SEE PROFILE FOR D-LOAD) C.I.P.P. ALTERNATIVE	0	LF
91	CONST. C.B. NO. 1 PER R.C.F.C. & W.C.D. STD. Dwg. NO. CE 100	4	EA
92	CONST. M.H. NO. 1 PER R.C.F.C. & W.C.D. STD. Dwg. NO. MH 051	4	EA
93	CONST. M.H. NO. 2 PER R.C.F.C. & W.C.D. STD. Dwg. NO. MH 052	3	EA
94	CONST. U.S. NO. 2 PER R.C.F.C. & W.C.D. STD. Dwg. NO. US 227	3	EA
95	CONST. M.H. NO. 4 PER R.C.F.C. & W.C.D. STD. Dwg. NO. MH 054	4	EA
96	CONST. M.P. SUMP SHED OFF L.A.C.D.P.A. STD. PLAN 3039-1-C	3	EA
97	CONST. CONCRETE BULKHEAD PER R.C.F.C. & W.C.D. STD. Dwg. NO. M 816	1	EA
98	CONST. CONCRETE BULKHEAD PER R.C.F.C. & W.C.D. STD. Dwg. NO. M 816	1	EA
99	TRASH RACK PER L.A.C.D.P.A. STD. PLAN 3039-1-C	1	EA
100	CONST. LOCAL DEPRESSION NO. 2 PER R.C.F.C. & W.C.D. STD. Dwg. NO. LD 201	4	EA
101	CONST. SANITARY SEWER PROTECTION PER R.C.F.C. & W.C.D. STD. Dwg. NO. M 807	10	LF
102	CONST. SANITARY SEWER PROTECTION PER R.C.F.C. & W.C.D. STD. Dwg. NO. M 807	10	LF

NO	DESCRIPTION	QUANTITY	UNIT
83	INST. 36" R.C.P. CLASS IV (SEE PROFILE FOR D-LOAD) C.I.P.P. ALTERNATIVE	90	LF
84	INST. 42" R.C.P. CLASS IV (SEE PROFILE FOR D-LOAD) C.I.P.P. ALTERNATIVE	63	LF
85	INST. 48" R.C.P. CLASS IV (SEE PROFILE FOR D-LOAD) C.I.P.P. ALTERNATIVE	102	LF
88	INST. 66" R.C.P. CLASS IV (SEE PROFILE FOR D-LOAD) C.I.P.P. ALTERNATIVE	100	LF

ESTIMATE OF STORM DRAIN QUANTITIES - FOR R. C. F. C. & W. C. D.

INDEX	SHEET NUMBER(S)
TITLE SHEET	1
STORM DRAIN PLAN AND PROFILE	2, 9
CAST-IN-PLACE PIPE DETAILS	3
R.C.F.C.D. & W.C.D. STANDARD DRAWINGS:	
CB 100	LATCH BASIN NO. 1
MH 051	MANHOLE NO. 1
MH 052	MANHOLE NO. 2
US 227	UNION STRUCTURE NO. 2
M 754	MANHOLE NO. 4
M 803	CONCRETE COLLAR
M 816	CONCRETE BULKHEAD
M 807	SANITARY SEWER PROTECTION
LD 201	LOCAL DEPRESSION
CALTRANS STANDARD DRAWINGS:	
006-B	PIPE HEADWALL, ENDWALL & WARED HEADWALLS
L.A.C.D.P.W. STANDARD DRAWINGS:	
3083-0	INLET BASKET
3026-0	MANHOLE SAFETY SHEET

NOTICE TO CONTRACTOR:

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCEMENT OF WORK.

PROJECT NO. 7-0-0407	TRACT NO. 23067-2
DRAWING NO. 7-0-0415	INDEX MAP
SHEET 1 OF 10	

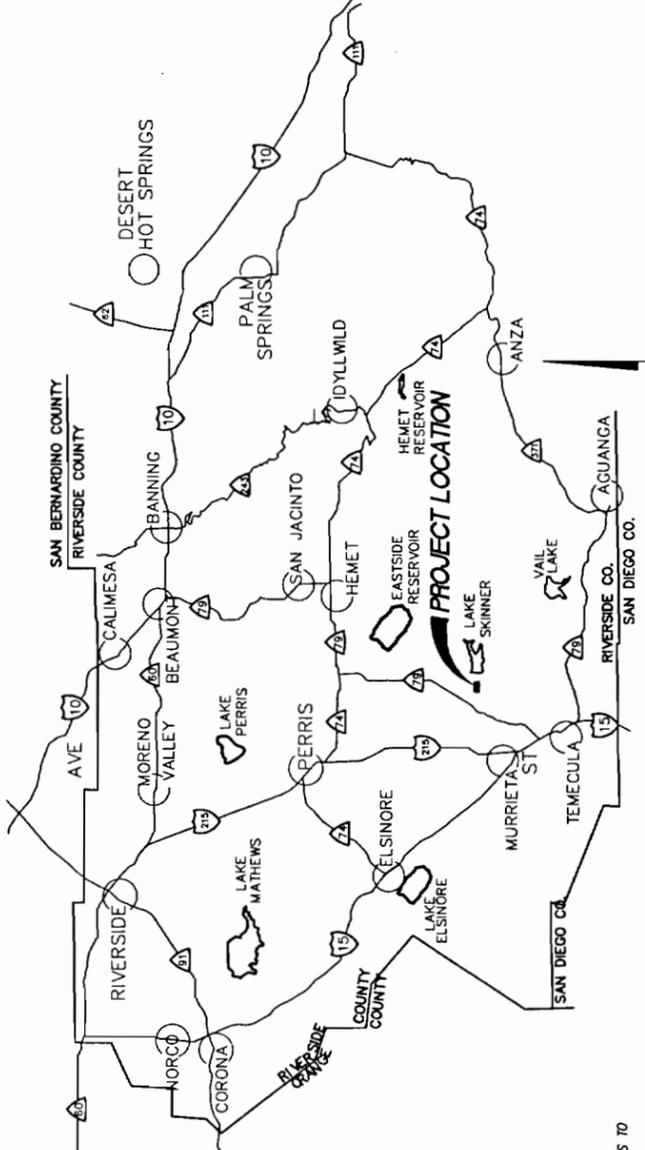
and Service Alert
Call: TOLL FREE
1-800-227-2600

UNSAKER & ASSOCIATES
SURVEYING & ENGINEERING
1000 N. GARDEN ST. SUITE 100
RIVERSIDE, CA 92507 • TEL: 789-5840 • FAX: 789-5840

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

GENERAL NOTES:

- THE CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL IMPROVEMENTS SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT'S MEMORANDUM OF UNDERSTANDING STANDARD SPECIFICATIONS DATED SEPTEMBER 1984, AND DESIGN MANUAL STANDARD DRAWINGS DATED MAY 1971.
- IF AN ENCROACHMENT PERMIT IS REQUIRED FROM RIVERSIDE COUNTY FLOOD CONTROL, THEN CONTACT ED LOTZ AT (909) 955-1266. AFTER THE PERMIT IS ISSUED, THE DISTRICT MUST BE NOTIFIED ONE WEEK PRIOR TO CONSTRUCTION.
- CONSTRUCTION INSPECTION WILL BE PERFORMED BY RIVERSIDE COUNTY FLOOD CONTROL. CONTACT DALE ANDERSON AT (909) 955-1268. THE DISTRICT MUST BE NOTIFIED TWENTY DAYS PRIOR TO CONSTRUCTION.
- ALL STATIONING REFERS TO CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED.
- STATIONING FOR LATERALS AND CONNECTOR PIPE REFER TO THE CENTERLINE-CENTERLINE INTERSECTION STATION.
- FORTY-EIGHT HOURS BEFORE EXCAVATION, CALL UNDERGROUND SERVICE ALERT AT 1 (800) 227-2600.
- ALL ELEVATIONS SHOWN ARE IN FEET AND DECIMALS THEREOF BASED ON U.S.C. & G.S. DATUM.
- ALL CROSS SECTIONS ARE TAKEN LOOKING DOWNSTREAM.
- ELEVATIONS AND LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE UNLESS OTHERWISE NOTED. ALL UTILITIES ARE TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.
- OPENINGS RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES, OR SIMILAR STRUCTURES TO BE ABANDONED SHALL BE SEALED WITH 6" OF CLASS "B" CONCRETE.
- PIPE CONNECTED TO THE MAINLINE PIPE SHALL CONFORM TO JUNCTION STRUCTURE NO. 4 (LS 229) UNLESS OTHERWISE NOTED.
- BEDDING PIPE SHALL CONFORM TO R.C.C.F.C. STD. M.B.15, EXCEPT FOR COVER LESS THAN 2 FEET. FOR COVER LESS THAN 2 FEET, CONCRETE SLURRY (2,000 PSI - 2 SACK) SHALL BE USED. THE ENTIRE TRENCH SHALL BE SLURRY EXTENDING 4" MINIMUM AND 12" MAXIMUM ABOVE THE TOP OF PIPE.
- "V" IS THE DEPTH OF INLET OF CATCH BASINS MEASURED FROM THE TOP OF THE CURB TO INVERT OF CONNECTOR PIPE.
- CATCH BASINS SHALL BE LOCATED SO THAT LOCAL DEPRESSION SHALL BEGAIN AT EXISTING CURB RETURN JOINT, UNLESS OTHERWISE SPECIFIED.
- ALL RECONSTRUCTION, RESURFACING AND PAVEMENT DELINEATION, CURBS, GUTTERS, MANHOLES, DRINKERS, AND OTHER EXISTING IMPROVEMENTS SHALL BE REPAIRED AND RECONSTRUCTED IN KIND AND AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED.
- HYDRAULIC GRADE LINE SHOWN IN PROFILES ARE FOR 100-YEAR FREQUENCY FLOWS, UNLESS OTHERWISE NOTED.
- THE CONCRETE COVER ON THE INSIDE OF ALL REINFORCED CONCRETE PIPES MUST BE INCREASED TO PROVIDE A MINIMUM OF 1-1/2" OVER THE REINFORCING WHEN THE DESIGN VELOCITIES EXCEED 20 FEET PER SECOND. THE CONCRETE DESIGN STRENGTH IN THESE REACHES SHALL BE F_c=5,000 PSI FOR VELOCITIES EXCEEDING 20 FEET PER SECOND, AND F_c=6,000 PSI FOR VELOCITIES EXCEEDING 30 FEET PER SECOND.
- THE CONTRACTOR SHALL COMPLY WITH THE STATE AND LOCAL SAFETY CODES DURING THE PROGRESS OF WORK.
- THE DEVELOPER SHALL MAINTAIN ADJACENT STREETS IN A NEAT, SAFE, CLEAN, AND SANITARY CONDITION AT ALL TIMES AND TO THE SATISFACTION OF THE COUNTY'S OR DISTRICT'S INSPECTOR. ADJACENT STREETS SHALL BE KEPT CLEAN OF DEBRIS, WITH DUST AND OTHER NUISANCE BEING CONTROLLED AT ALL TIMES. THE DEVELOPER SHALL BE RESPONSIBLE FOR ANY CLEAN-UP WHICH SHALL BE ACCOMPLISHED BY DRY SWEEPING OF ALL PAVED AREAS.
- THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, R.C.F.C.D., COUNTY ROAD DEPARTMENT, AND THE DEVELOPER'S ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNERS, OR THE DEVELOPER'S ENGINEER.



VICINITY MAP
NOT TO SCALE

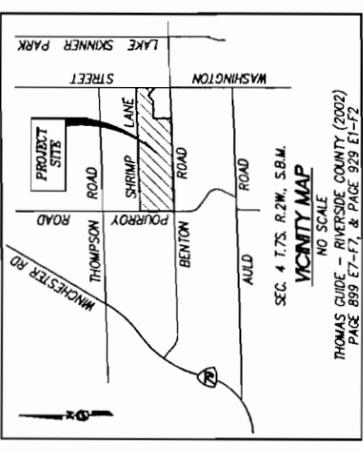
- ADJUST ALL STORM DRAIN, SEWER MANHOLES, AND WATER VALVES TO GRADE.
- ALL PIPE LENGTHS ARE HORIZONTAL PROJECTIONS (NOT TRUE LENGTHS OF PIPES) AND ARE THE BASIS OF THE ESTIMATES OF QUANTITIES. THE CONTRACTOR SHALL DETERMINE THE TRUE QUANTITY OF PIPE REQUIRED FOR THIS PROJECT PRIOR TO PLACING THE ORDER.
- ALL ELEVATIONS SHOWN ARE TO THE INVERT OF PIPE, EXCEPT WHERE OTHERWISE NOTED.
- AT THE DISCRETION OF THE ENGINEER, THE CONTRACTOR MAY BE REQUIRED TO VERIFY BY POTHOUGHING THE LOCATION OF POTENTIALLY AFFECTED UTILITIES.
- CONTRACTOR SHALL DISPOSE OF ALL EXCESS EXCAVATED MATERIAL AT MANDATORY DISPOSAL SITE. MUST BE NOTIFIED ONE WEEK PRIOR TO CONSTRUCTION.
- ALL BACKFILL AND BEDDING AROUND STRUCTURES AND PIPES SHALL BE COMPACTED TO NOT LESS THAN 90 PERCENT RELATIVE COMPACTION EXCEPT WHERE SUCH MATERIAL IS PLACED UNDER EXISTING PAVED ROADWAYS. THE TOP 3 FEET MEASURED FROM THE FINISHED PAVING, SHALL BE COMPACTED TO 85 PERCENT RELATIVE COMPACTION.
- TOPOGRAPHY BY DIGITAL PHOTOGRAMMETRIC METHODS. AERIAL PHOTOGRAPHS TAKEN AT AN ALTITUDE NOT TO EXCEED A FLYING HEIGHT TO CONTOUR INTERVAL RATIO OF 1800. PHOTOGRAPHY DATED 8/7/02.
- THE VERTICAL DATUM IS DERIVED FROM (NGVD 1929). THE HORIZONTAL DATUM IS DERIVED FROM (NAD 27 OR NAD 83).
- STANDARD DRAWINGS CALLED FOR ON THE PLAN & PROFILE SHALL CONFORM TO R.C.F.C. & W.C.D. STD. DRAWINGS, OR CALTRANS/CITY/COUNTY STANDARD PLANS.
- THE CONTRACTOR IS REQUIRED TO CONTACT ALL UTILITY AGENCIES REGARDING TEMPORARY SUPPORT AND SHORING REQUIREMENTS FOR THE VARIOUS UTILITY LINES SHOWN ON THESE PLANS.
- UNLESS OTHERWISE SPECIFIED, MINIMUM STREET RECONSTRUCTION SHALL BE 0.25 TYPE "B" ASPHALT CONCRETE OVER 6" CLASS 2 AGGREGATE BASE OR IN KIND, WHICHEVER IS GREATER.

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STORM DRAIN LINES "A", "A5", "A6", & "A7" PLAN & PROFILE	10
STORM DRAIN LINES "B", "B1", "B2", & "B3" PLAN & PROFILE	11
STORM DRAIN LINES "C", & "C1" PLAN & PROFILE	12
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CHANNEL CONTROL PLANS	

BENCH MARK:

RIVERSIDE COUNTY B.M. 1-39-81
FROM THE INTERSECTION OF WINCHESTER ROAD (HWY 79 NORTH) WITH BENTON ROAD (NORTH OF FRENCH VALLEY AIRPORT) GO EAST 2.4 MILES ON BENTON ROAD TO THE INTERSECTION OF BENTON ROAD AND WASHINGTON STREET. IN THE SOUTHWEST CORNER OF THE INTERSECTION; 20.2' SOUTH OF THE C/L OF BENTON ROAD, 26.7' WEST OF THE C/L OF WASHINGTON STREET, 3' SOUTHEAST OF AN 8"X8" WOOD FENCE CORNER A BENCHMARK IS A 3-1/2" BRASS DISK IN A CONCRETE POST STAMPED "3111 1935".
ELEVATION: 1396.191 NGVD 1929



TRANSPORTATION MAINTENANCE RESPONSIBILITIES:

FACILITIES	SHEET NO
LINE "A", "A2" THROUGH "A7"	8-10
LINE "B", "B1", "B2" & "B3"	11
LINE "C", "C1", "C2", "C3", "C4", & "C5"	12
LINE "D", "D1", "D2", "D3", "D4", "D5", "D6", "D7", "D8", "D9", "D10", "D11", "D12", "D13", "D14", "D15", "D16", "D17", "D18", "D19", "D20", "D21", "D22", "D23", "D24", "D25", "D26", "D27", "D28", "D29", "D30", "D31", "D32", "D33", "D34", "D35", "D36", "D37", "D38", "D39", "D40", "D41", "D42", "D43", "D44", "D45", "D46", "D47", "D48", "D49", "D50", "D51", "D52", "D53", "D54", "D55", "D56", "D57", "D58", "D59", "D60", "D61", "D62", "D63", "D64", "D65", "D66", "D67", "D68", "D69", "D70", "D71", "D72", "D73", "D74", "D75", "D76", "D77", "D78", "D79", "D80", "D81", "D82", "D83", "D84", "D85", "D86", "D87", "D88", "D89", "D90", "D91", "D92", "D93", "D94", "D95", "D96", "D97", "D98", "D99", "D100"	13
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LINE "M", "M1", "M2", "M3", "M4", "M5", "M6", "M7", "M8", "M9", "M10", "M11", "M12", "M13", "M14", "M15", "M16", "M17", "M18", "M19", "M20", "M21", "M22", "M23", "M24", "M25", "M26", "M27", "M28", "M29", "M30", "M31", "M32", "M33", "M34", "M35", "M36", "M37", "M38", "M39", "M40", "M41", "M42", "M43", "M44", "M45", "M46", "M47", "M48", "M49", "M50", "M51", "M52", "M53", "M54", "M55", "M56", "M57", "M58", "M59", "M60", "M61", "M62", "M63", "M64", "M65", "M66", "M67", "M68", "M69", "M70", "M71", "M72", "M73", "M74", "M75", "M76", "M77", "M78", "M79", "M80", "M81", "M82", "M83", "M84", "M85", "M86", "M87", "M88", "M89", "M90", "M91", "M92", "M93", "M94", "M95", "M96", "M97", "M98", "M99", "M100"	23
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SHRIMP LAKE SWALE / CULVERTS	26-29

DUPLICATE OF ORIGINAL - DO NOT REVISE



APPROVED BY: *Khaled A. Thany* DATE: 12/13/09
 KHALED A. THANY R.C.E. NO. 065970
 EXPIRES DATE: 06/30/10

PREPARED BY: ERIC S. SZEKELY R.C.E. NO. 065970
 REGISTRATION EXPIRES: 06/30/06

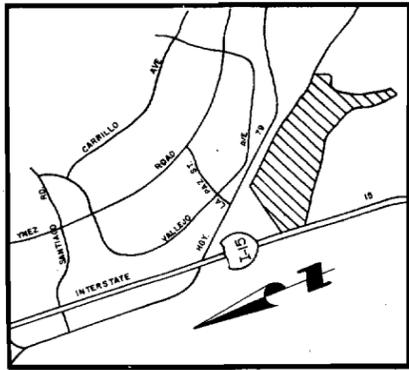
PROJECT NO. 7-0-00211	PROJECT NO. 7-0-00212	PROJECT NO. 7-0-00213
PROJECT NO. 7-0-00167	DRAWING NO. 7-401	SHEET NO. 1 OF 34
I.P. 040059		
VALLEY WIDE RECREATION & PARK DISTRICT		
DATE: 12/11/04		
FOR: SHEA HOMES W.O. NO. 2339.10		
COUNTY FILE NO. 2339.10		
TRACT NO. 29214		
WARM SPRINGS VALLEY -		
-FED CARRIAGE ROAD STORM DRAIN		
-BENTON CREEK CHANNEL		
-BLUE BELL LAKE		
-TITLE SHEET		

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR GRADING PERMIT HAS BEEN ISSUED.

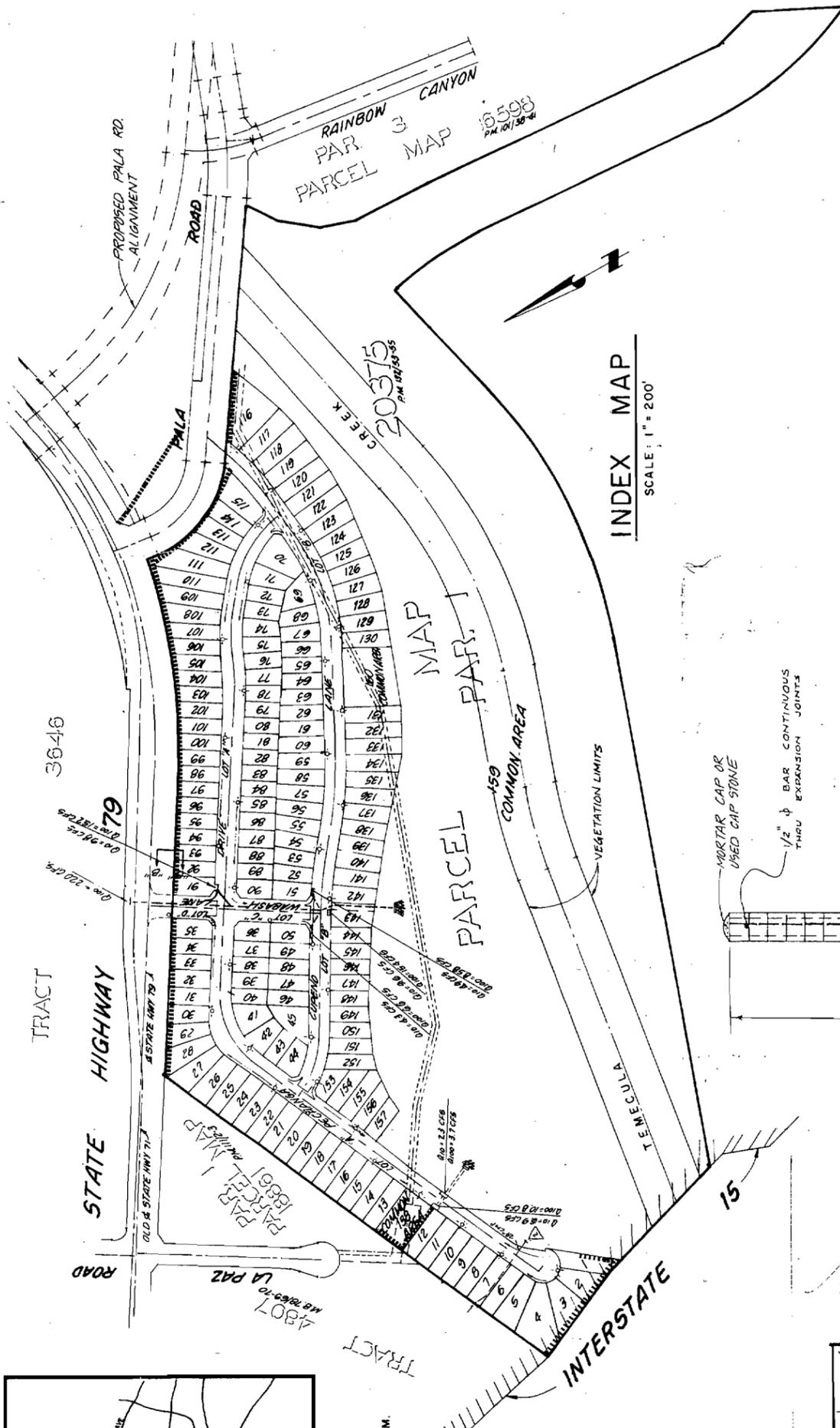
THE PRIVATE ENGINEER ASSUMING THESE PLANS IS RESPONSIBLE FOR ASSURING THE DESIGN ACCORDS WITH THE DESIGN SPECIFICATIONS AND THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT'S MEMORANDUM OF UNDERSTANDING STANDARD SPECIFICATIONS DATED SEPTEMBER 1984, AND DESIGN MANUAL STANDARD DRAWINGS DATED MAY 1971.

THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

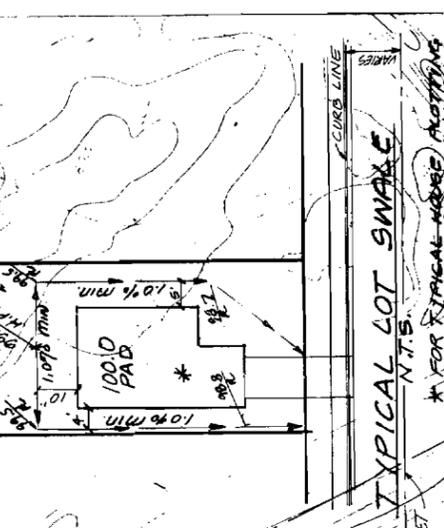
GRADING PLANS FOR TRACT 20319



VICINITY MAP
N. T. S.
SECTION 18, T.8S., R.2W., S.B.M.



INDEX MAP
SCALE: 1" = 200'



GARDEN WALL DETAIL
TYP SECTION "B" - "B"
(NO SCALE)
RIV. CO. STD. 284 - 196

CONSTRUCTION NOTES:
All cells containing steel shall be filled solid with grout. All reinforcing steel to lap a minimum of 2'-0".

EARTHWORK ESTIMATE

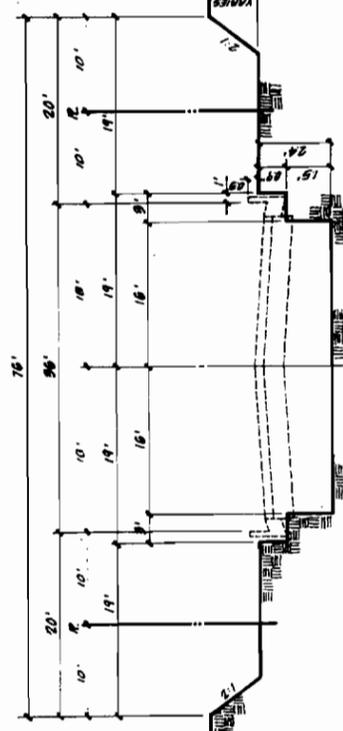
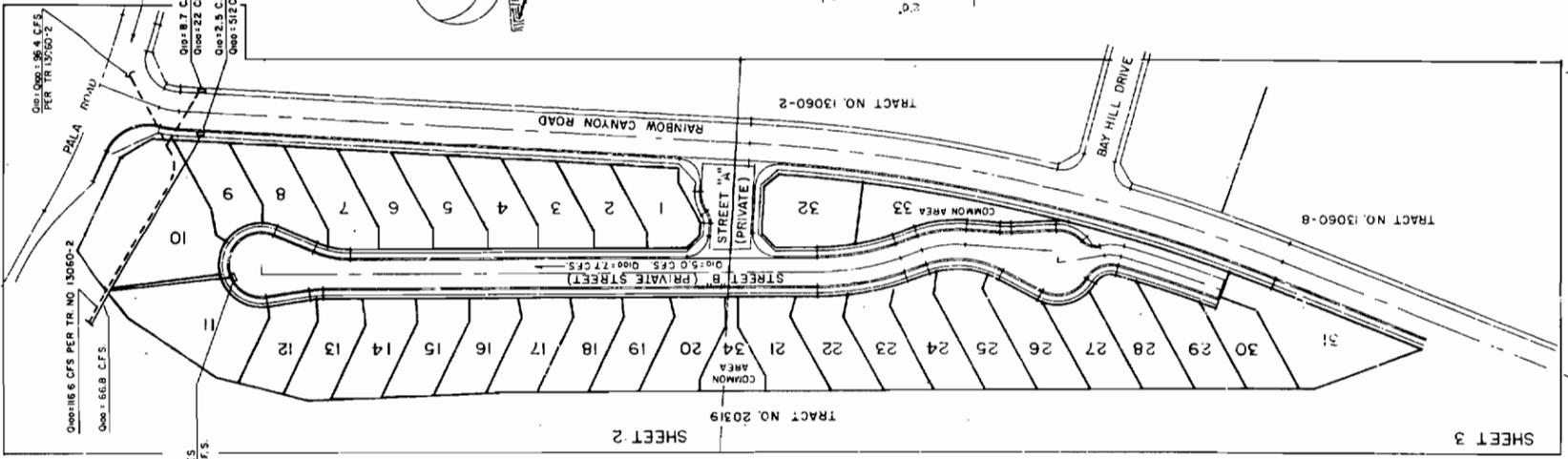
CUT	35,500 CY
FILL	216,600 CY
IMPORT	207,000 CY INPLACE MATERIAL
	70,000 CY SUBEX
	10,000 CY SUBSIDEENCE
	240,000 CY IF TAKEN FROM BORROW
	NOTE PER SOILS REPORT.

LEGEND

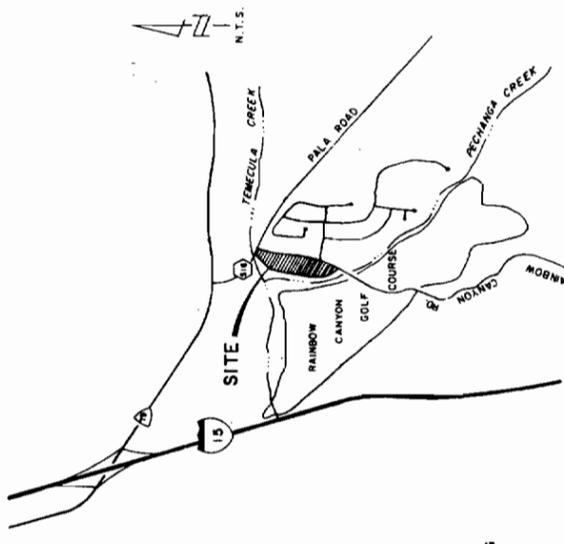
- 98.4 PAD ELEVATION
- DRAINAGE SWALE
- HIGH POINT IN SWALE
- FINISH GRADE ELEVATION
- SLOPE BANK (2:1) UNLESS SHOWN OTHERWISE
- CONCRETE BLOCK WALL
- FF FINISH FLOOR ELEV.
- T.M. TOP OF WALL
- T.C. TOP OF CURB
- ≡ FLOWLINE

- *** GRADING NOTES ***
- All grading shall conform to the Uniform Building Code, Chapter 70, as amended by Ordinance 457.
 - Minimum building pad and drainage swale slope shall be 1% if cut or fill is less than 10.2X if cut or fill is greater than 10'. Drainage swales shall be a minimum of 0.3' deep and be constructed a minimum of 2' from the top of cut or fill slopes.
 - Maximum cut and fill slopes = 2:1.
 - Provide 5' wide by 1' high berm or equivalent along the top of all fill slopes over 5' high.
 - All grading shall be done under the supervision of a competent Soils Engineer who shall certify that all fill has been properly placed and who shall submit a final compaction report for all fills over 1' deep.
 - A Registered Civil Engineer shall submit to the Building and Safety Department written certification of completion of rough grading in accordance with the approved grading plan prior to issuance of the building permit. Certification shall be to line, grade, elevation and location of cut, fill slopes.
 - Final compaction report will be required for all fills greater than 1' FL.
 - All grading shall be done in conformance with recommendations of the preliminary soils investigation by LEIGHTON AND ASSOCIATES dated JANUARY 11, 1985. Two (2) sets of the final compaction report shall be submitted to the Building and Safety Department which shall include foundation design recommendations and certification that grading has been done in conformance with the recommendations of the preliminary soils report.
 - The contractor shall notify the Building and Safety Department, 2080 Vanlier Street, Riverside, Telephone 787-6146, at least 24 hours in advance of requesting finish lot grade and drainage inspection. This inspection must be approved prior to building permit final inspection for each lot.
 - During rough grading operations and prior to construction of permanent drainage structures, temporary drainage control should be provided to prevent ponding water and damage to adjacent properties.
 - No fill shall be placed on existing ground until the ground has been cleared of weeds, debris, topsoil, and other deleterious material.
 - If steep sloping terrain occurs upon which fill is to be placed, it must be graded, keyed, and benched into firm natural soil for full support. Preparation shall be approved by a Registered Soils Engineer prior to placement of fill material.
 - Cut slopes equal to or greater than 5' in vertical height and fill slopes equal to or greater than 3' in vertical height shall be planted with grass or ground cover to protect the slope from erosion and instability in accordance with Ordinance No. 457 prior to the approval of final inspection.
 - Dust shall be controlled by watering or other approved methods.
 - All existing drainage courses on the project site must continue to function, especially during storm conditions. Protective measures and temporary drainage provisions must be used to protect adjoining properties during grading operations.
 - Stability calculations with a factor of safety of at least one and five tenths (1.5) shall be submitted by a Soils Engineer to the Building and Safety Dept. for cut and fill slopes over 30' in vertical height.
 - A Registered Civil Engineer or Licensed Land Surveyor shall submit certification of building pad elevation. Where specific elevations are required, the elevation (with respect to mean sea level) shall be given. If an elevation with respect to adjacent ground surface is required, the actual distance above the adjacent ground shall be given.
 - The design engineer shall provide a minimum of one blue top per finished pad, prior to rough grade approval.

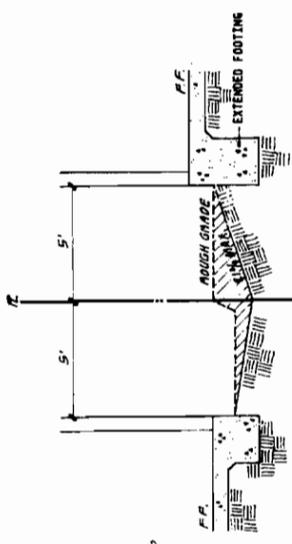
GRADING PLANS FOR TRACT NO. 23177



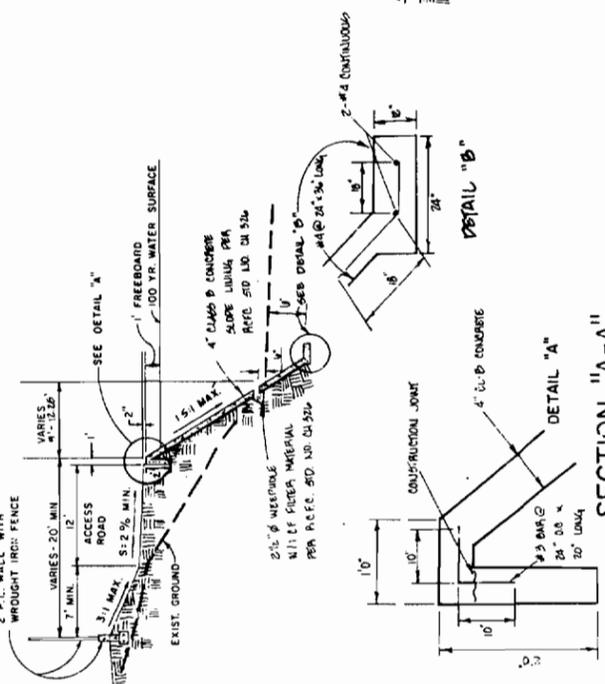
ROUGH GRADING SECTION
SCALE: 1" = 10'



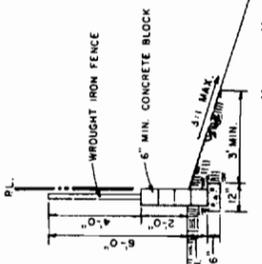
VICINITY MAP
N.T.S.



EXTENDED FOOTING SECTION
SCALE: 1" = 2'



SECTION "A-A"
N.T.S.

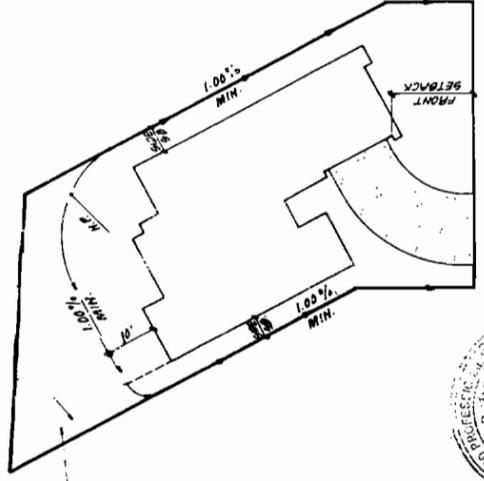


WALL SECTION "B-B"
SCALE: 1" = 4'

- LEGEND**
- 12.5 PAD
 - 12.8 FINISH FLOOR ELEVATION
 - 10.5 DRAINAGE SWALE
 - HIGH POINT IN SWALE
 - FINISH GRADE ELEVATION
 - SLOPE BANK
 - CONCRETE BLOCK WALL
 - T.W. TOP OF WALL
 - T.C. TOP OF CURB
 - F.L. FLOWLINE
 - 2' HIGH CONCRETE BLOCK WALL W/ 4" WROUGHT IRON ON TOP



INDEX MAP
SCALE: 1" = 100'



TYPICAL LOT DRAINAGE
SCALE: 1" = 20'



GENERAL NOTES

1. ALL GRADING SHALL CONFORM TO THE UNIFORM BUILDING CODE, CHAPTER 70 AS AMENDED BY ORDINANCE 457.
2. MINIMUM BUILDING PAD AND MINIMUM SMALL CURBS SHALL BE 12" HIGH WITH A MINIMUM OF 10 FEET. IF CUT OR FILL IS GREATER THAN 10 FEET, DRAINAGE SWALES SHALL BE A MINIMUM OF 0.3 FEET DEEP AND BE CONSTRUCTED A MINIMUM OF 2 FEET FROM THE TOP OF CUT OR FILL SLOPES.
3. MAXIMUM CUT AND FILL SLOPES = 2:1.
4. PROVIDE 5 FEET WIDE BY 1 FEET HIGH BERM OR EQUIVALENT ALONG THE TOP OF ALL FILL SLOPES OVER 5 FEET HIGH.
5. ALL GRADING SHALL BE DONE UNDER THE SUPERVISION OF A COMPETENT SOILS ENGINEER WHO SHALL CERTIFY THAT ALL FILL HAS BEEN PROPERLY PLACED AND WHO SHALL SUBMIT A FINAL COMPACTION REPORT FOR ALL FILLS OVER 1 FOOT DEEP.
6. A REGISTERED CIVIL ENGINEER SHALL SUBMIT TO THE BUILDING AND SAFETY DEPARTMENT WRITTEN CERTIFICATION OF COMPLETION OF ROUGH GRADING IN ACCORDANCE WITH THE APPROVED GRADING PLAN PRIOR TO ISSUANCE OF THE BUILDING PERMIT. CERTIFICATION SHALL BE TO LINE, GRADE, ELEVATION AND LOCATION OF CUT-FILL SLOPES.
7. ALL GRADING SHALL BE DONE IN CONFORMANCE WITH RECOMMENDATIONS OF THE PRELIMINARY SOILS INVESTIGATION BY THE ENGINEER AND ASSOCIATED REPORT SHALL BE DATED MAY 30, 1985 AND 121 SETS OF THE SAME SHALL BE SUBMITTED TO THE BUILDING AND SAFETY DEPARTMENT WHICH SHALL INCLUDE FOUNDATION DESIGN RECOMMENDATIONS AND CERTIFICATION THAT GRADING HAS BEEN DONE IN CONFORMANCE WITH THE RECOMMENDATIONS OF THE PRELIMINARY SOILS REPORT.
8. THE CONTRACTOR SHALL NOTIFY THE BUILDING AND SAFETY DEPARTMENT, 4080 LEMON STREET, RIVERSIDE, 92503, AT LEAST 24 HOURS IN ADVANCE OF REQUESTING FINISH LOT GRADE AND DRAINAGE INSPECTION. THIS INSPECTION MUST BE APPROVED PRIOR TO BUILDING PERMIT FINAL INSPECTION FOR EACH LOT.
9. DURING ROUGH GRADING OPERATIONS AND PRIOR TO CONSTRUCTION OF PERMANENT DRAINAGE STRUCTURES, TEMPORARY DRAINAGE CONTROL SHOULD BE PROVIDED TO PREVENT PONDING WATER AND DAMAGE TO ADJACENT PROPERTIES.
10. NO FILL SHALL BE PLACED ON EXISTING GROUND UNTIL THE GROUND HAS BEEN CLEARED OF WEEDS, DEBRIS, TOPSOIL, AND OTHER DELETERIOUS MATERIAL.
11. IF STEEP SLOPING TERRAIN OCCURS UPON WHICH FILL IS TO BE PLACED, IT MUST BE CLEARED, KEYED, AND BENCHED INTO FIRM NATURAL SOIL FOR FULL SUPPORT. PREPARATION SHALL BE APPROVED BY A REGISTERED SOILS ENGINEER PRIOR TO PLACEMENT OF FILL MATERIAL.
12. CUT SLOPES EQUAL TO OR GREATER THAN 5 FEET IN VERTICAL HEIGHT AND FILL SLOPES EQUAL TO OR GREATER THAN 3 FEET IN VERTICAL HEIGHT SHALL BE STABILIZED WITH GRASS OR OTHER COVER TO PROTECT THE SLOPE FROM EROSION. STABILIZATION SHALL BE IN ACCORDANCE WITH ORDINANCE NO. 457 PRIOR TO THE APPROVAL OF FINAL INSPECTION.
13. DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS.
14. ALL EXISTING DRAINAGE COURSES ON THE PROJECT SITE MUST CONTINUE TO FUNCTION, ESPECIALLY DURING STORM CONDITIONS. PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS MUST BE USED TO PROTECT ADJACENT PROPERTIES DURING GRADING OPERATIONS.
15. STABILITY CALCULATIONS WITH A FACTOR OF AT LEAST ONE AND FIVE TENTH (1.5) SHALL BE SUBMITTED BY A SOILS ENGINEER TO THE BUILDING AND SAFETY DEPARTMENT FOR CUT AND FILL SLOPES OVER 30' IN VERTICAL HEIGHT.
16. A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR SHALL SUBMIT CERTIFICATION OF BUILDING PAD ELEVATION WHERE SPECIFIC ELEVATIONS ARE REQUIRED. THE ELEVATION WITH RESPECT TO MEAN SEA LEVEL SHALL BE GIVEN. IF AN ELEVATION WITH RESPECT TO ADJACENT GROUND SURFACE IS REQUIRED, THE ACTUAL DISTANCE ABOVE THE ADJACENT GROUND SHALL BE GIVEN.
17. THE DESIGN ENGINEER SHALL PROVIDE A MINIMUM OF ONE BLUE TOP PER FINISHED PAD, PRIOR TO ROUGH GRADE APPROVAL.

LAND USE APPROVAL
DATE: 8-28-85
BY: [Signature]

ENGINEER'S NOTE

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

EARTHWORK ESTIMATE

ON-SITE @ RAINBOW CANYON ROAD	C.Y.
1. CUT	11,879
2. FILL	8273
TOTAL	
1. CUT	168
2. FILL	7,817

CONTRACTOR'S OFFICE
DATE: 8-28-85
BY: [Signature]

Approval of these plans shall not be construed to be a seal for, or an approval of, any work shown hereon. The contractor shall be responsible for the accuracy of the information furnished for the preparation of these plans.

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

INDEX
 TITLE SHEET _____
 MAIN LINE "C", PLAN AND PROFILE AND _____
 LATERALS GS-1 AND GS-2 _____

GENERAL NOTES

- CONSTRUCTION INSPECTION WILL BE PERFORMED BY RIVERSIDE COUNTY FLOOD CONTROL CONTACT DALE ANDERSON AT 909-955-1288. THE DISTRICT MUST BE NOTIFIED 20 DAYS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL IMPROVEMENTS SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT'S M.O.U. STANDARD SPECIFICATIONS DATED SEPTEMBER 1984, AND DESIGN MANUAL STANDARD DRAWINGS DATED APRIL 2004.
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- ALL ELEVATIONS SHOWN ARE IN FEET AND DECIMALS THEREOF BASED ON U.S.C. & G.S. DATUM.
- ALL CROSS SECTIONS ARE TAKEN LOOKING DOWNSTREAM.
- ELEVATIONS OF UTILITIES ARE APPROXIMATE UNLESS OTHERWISE NOTED.
- OPENINGS RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES TO BE ABANDONED SHALL BE SEALED WITH 6" OF CLASS 'B' CONCRETE.
- PIPE CONNECTED TO THE MAINLINE PIPE SHALL CONFORM TO JUNCTION STRUCTURE NO. 4 (JS 229) UNLESS OTHERWISE NOTED.
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- CIPP SHALL BE A MINIMUM 6 SACK PER CUBIC YARD DESIGN MIX AND THE COMPRESSIVE STRENGTH OF CONCRETE (f_c) AT 28 DAYS SHALL BE AT LEAST 4000 psi. THE MODULUS OF RUPTURE SHALL BE AT LEAST 550 psi. FOR VELOCITIES GREATER THAN 10 FT./SEC. BUT NOT GREATER THAN 20 FT./SEC. THE COMPRESSIVE STRENGTH SHALL BE 5000 psi. COMPRESSIVE STRENGTHS SHALL BE NOTED ON THE DRAWINGS.
- WHEN CIPP IS SPECIFIED AS AN ALTERNATIVE TO RCP, TRANSITION STRUCTURE NO. 3 SHALL REPLACE JUNCTION STRUCTURE NO. 2 WHEN CIPP IS USED. NO CHANGES NEED BE MADE FOR JUNCTION STRUCTURES NO. 4.
- HS-11 INDICATES SOIL BORING LOCATION PER SOILS REPORT BY PACIFIC SOILS ENGINEERING INC. DATED SEPTEMBER 20, 2001.
- "V" IS THE DEPTH OF CATCH BASINS MEASURED FROM THE TOP OF CURB TO INVERT OF CONNECTOR PIPE.
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- ALL CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED IN KIND AND AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED.
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- DURING ROUGH GRADING OPERATIONS AND PRIOR TO CONSTRUCTION OF PERMANENT DRAINAGE STRUCTURES, TEMPORARY DRAINAGE CONTROL SHOULD BE PROVIDED TO PREVENT PONDING WATER AND DAMAGE TO ADJACENT PROPERTIES.
- APPROVAL OF THESE PLANS BY THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT DOES NOT RELIEVE THE DEVELOPER'S ENGINEER OF RESPONSIBILITY FOR THE ENGINEERING DESIGN. IF FIELD CHANGES ARE REQUIRED, IT WILL BE THE RESPONSIBILITY OF THE DESIGN ENGINEER TO MAKE THE NECESSARY CORRECTIONS.
- THE CONTRACTOR OR DEVELOPER SHALL SECURE ALL REQUIRED ENCROACHMENT AND/OR STATE AND FEDERAL REGULATORY PERMITS PRIOR TO THE COMMENCEMENT OF ANY WORK.

R.C.F.C. & W.C.D. STANDARD DRAWINGS

- CB 100 CATCH BASIN No. 1
- CB 103 MANHOLE FRAME & COVER FOR CATCH BASINS
- CB 105 DETAIL OF CATCH BASIN OPENING
- CB 106 CATCH BASIN REINFORCEMENT
- LD 201 LOCAL DEPRESSION No. 2
- MH 252 MANHOLE No. 2
- MH 255 MANHOLE FRAME & COVER
- MH 259 STANDARD DROP STEP
- M 803 CONCRETE COLLAR FOR PIPE
- M 816 CONCRETE BULKHEAD

ENGINEERS ESTIMATE OF QUANTITIES

- ① INSTALL 18" R.C.P. (CLASS IV) _____ 92 L.F.
- ⑤ CONST. CATCH BASIN No. 1 _____ 48 L.F.
- ⑩ CONST. LOCAL DEPRESSION No. 2 _____ 3 EA.
- ⑮ INSTALL 78" R.C.P. (1350-D) _____ 210 L.F.
- ⑲ INSTALL 72" R.C.P. (1350-D) _____ 42 L.F.
- ⑳ INSTALL CONCRETE BULKHEAD _____ 1 EA.
- ⑦ CONST. M.H. No. 2 _____ 2 EA.
- ⑳ CONST. CONCRETE COLLAR FOR 18" PIPE _____ 1 EA.

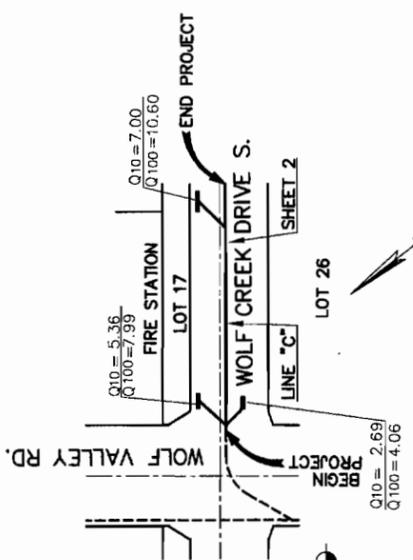
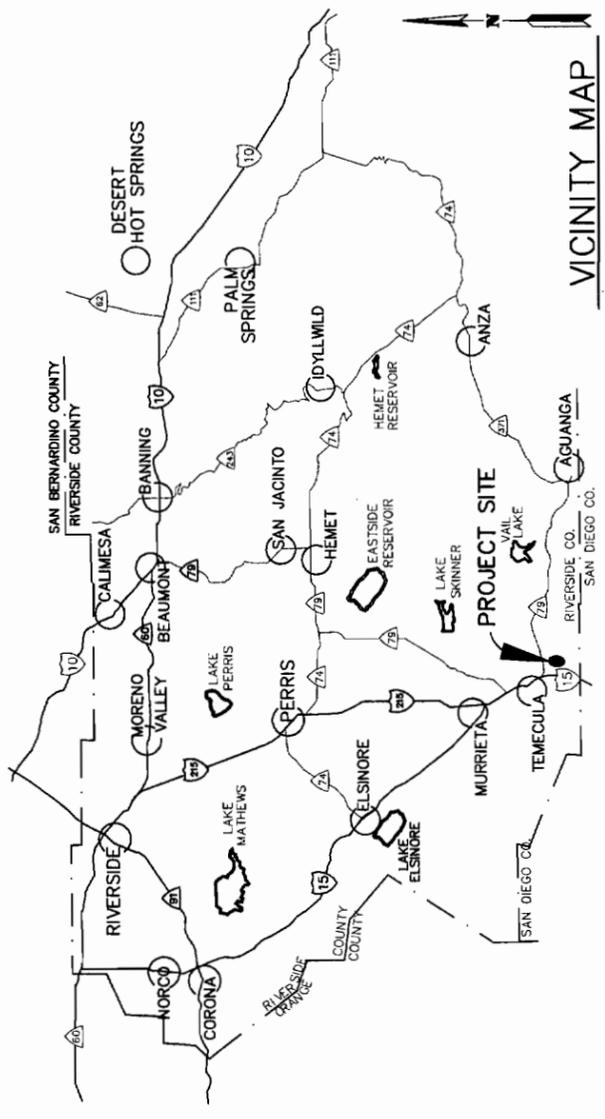
UNDERGROUND STRUCTURES

ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR OTHERS AND THOSE SHOWN ON THE RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE OWNER BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT THERETO AGREES TO ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES RESULTING FROM THE EXISTENCE AND UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED AND INDICATED THEREON. THE PUBLIC RECORDS EXAMINED, LOCATED AT VARIANCE WITH THE FILED RECORDS OR OTHERWISE EXAMINED, THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE OWNER OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK.

Don't Dig...Until You Call U.S.A. Toll Free
 1-800-227-2600
 for the location of buried utility lines.
 Don't dig until you call.
 NO WORKING DAYS BEFORE YOU DIG

BASIS OF BEARINGS:

THE BASIS OF BEARINGS FOR THIS MAP IS THE CENTERLINE OF PALA ROAD AS SHOWN ON RECORD OF SURVEY IN RECORD OF SURVEYS BOOK 100 PAGE 28, RECORDS OF THE COUNTY OF RIVERSIDE, NORTH 47°45'28" WEST



INDEX MAP

BENCH MARK:

RIVERSIDE COUNTY, 600-62-69
 BRASS DISC SET 1 EAST
 OF CONCRETE POST MARKER STAMPED 68
 RESET, 2.9 MILES S.E. ALONG PALA ROAD FROM
 POST OFFICE AT TEMECULA 29' N.E. OF THE
 PAVED ROAD 5' N.W. OF TEL. POLE NO. 6295,
 C.W.T. 3' S.W. OF 36" CONCRETE STANDPIPE,
 ELEV. 1039.378

REVISIONS	ENGINEER	RFCY/WCD	APPR.	DATE	APPR.	DATE	DESCRIPTION
1970							

Hail & Foreman, Inc.
 Engineering - Surveying - Planning - Landscape Architecture
 1501 WEST 19TH ST.
 TEMECULA, CA 92590
 TEL. 909 674-8728
 FAX 909 688-8888
 WWW.HFIC.COM

PREPARED BY:
 GERALD J. BARIL
 DATE: 8/15/05
 R.C.E. No. 16065
 EXP. DATE 6-30-05

REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 STATE OF CALIFORNIA
 NO. 16065
 EXP. 6-30-05

RIVERSIDE COUNTY FLOOD CONTROL DISTRICT
 WATER CONTROL DISTRICT
 RECOMMENDED FOR APPROVAL BY: [Signature]
 PLANNING ENGINEER
 DATE: 5/19/2005

REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 STATE OF CALIFORNIA
 NO. 19744
 EXP. 9-30-05

CITY OF TEMECULA
 RECOMMENDED BY: [Signature]
 DATE: 8/16/05
 ACCEPTED BY: [Signature]
 DEPUTY DIRECTOR OF PUBLIC WORKS
 R.C.E. No. 19744
 EXP. DATE 9/30/05

DUPLICATE OF ORIGINAL - DO NOT REVISE

PROJECT NO. **LD04-068CO**
 DRAWING NO. **7-0-0261**
 SHEET NO. **7-393**
 TITLE SHEET **1 OF 2**

WOLF VALLEY
 WOLF CREEK DR. S. - LATERAL
 LINE C
 TRACT No. 29305
 TITLE SHEET

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CHANNEL LINING NOTES

- TURF REINFORCEMENT SHALL BE C-350 PERMANENT COMPOSITE REINFORCEMENT MANUFACTURED BY NORTH AMERICAN GREEN, 14649 HIGHWAY 41 NORTH, EVANSVILLE, IN. 47725 (PHONE 812-867-6632, 800-772-2040, WWW.NAGREEN.COM) OR EQUIVALENT.
- TURF INSTALLATION SHALL BE PER THE SPECIFICATIONS OF THE TURF REINFORCEMENT MAT'S MANUFACTURER. THE TURF INSTALLATION SHALL INCLUDE A PERMANENT IRRIGATION SYSTEM.
- TURF SHALL BE "CAL NATIVE" CREEPING RED FESCUE.
- A FIVE FOOT WIDE (5') CENTER STRIP (SEE DETAIL ON SHT. 17) OF "EMERGENT" VEGETATION, EXCLUSIVE OF SHRUBS AND WOODY VEGETATION, SHALL BE ALLOWED TO FLOURISH AS A NATURAL OCCURRENCE (NO PLANTING REQUIRED). MOWING OF THIS CENTER STRIP SHALL OCCUR ON OR ABOUT EACH OF THE FOLLOWING DATES ANNUALLY: OCTOBER 15, DECEMBER 1, AND JANUARY 15. NO MOWING SHALL TAKE PLACE WITHIN THE CENTER FIVE FOOT STRIP (5') AFTER FEBRUARY 1 AND THROUGH THE NESTING SEASON.
- EXCLUSIVE OF THE FIVE FOOT CENTER STRIP, THE TURF SHALL BE MOWED SO AS TO SATISFY THE AESTHETIC GOALS OF THE TEMECULA COMMUNITY SERVICES DISTRICT AND/OR THE HOMEOWNER'S ASSOCIATION. HOWEVER, AT A MINIMUM DURING THE RAINY SEASON (OCTOBER 1 - APRIL 30), THE MOWING SHALL OCCUR WHEN THE GRASS HEIGHT REACHES A MAXIMUM HEIGHT OF EIGHT INCHES (8").
- IRRIGATION PIPES AND APPURTENANCES, UTILITIES AND ANY OTHER OBJECTS WHICH MAY REQUIRE MAINTENANCE SHALL NOT BE INSTALLED BELOW OR WITHIN THE AREA COVERED BY THE TURF REINFORCEMENT MAT IN ORDER TO PRESERVE THE STRUCTURAL INTEGRITY OF SAID MAT.

UNDERGROUND SERVICE ALERT

Call: TOLL FREE
1-800-227-2600

TWO WORKING DAYS BEFORE YOU DIG

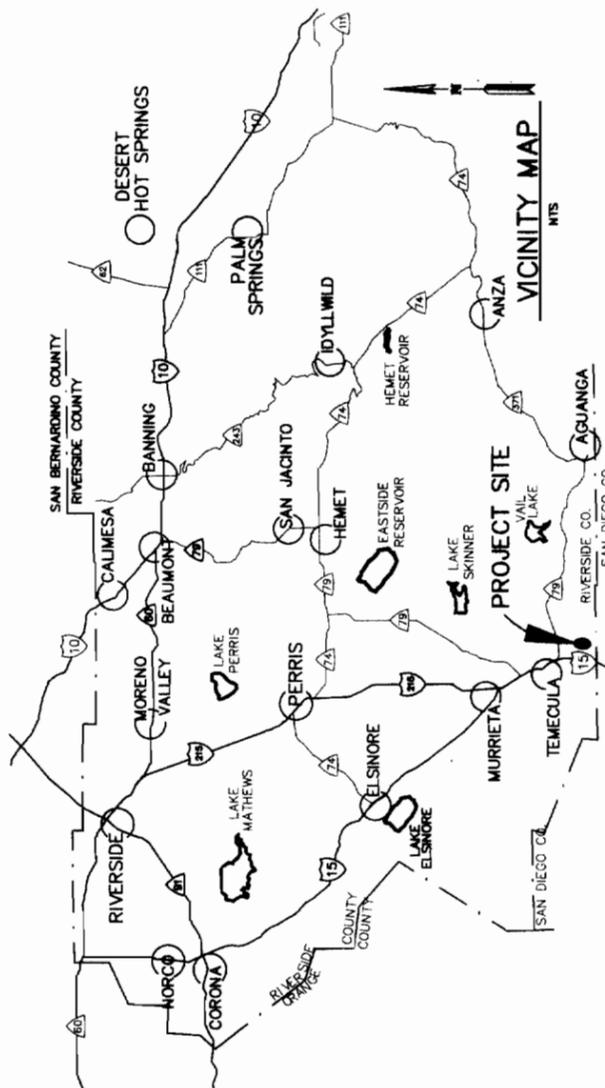
RIVERSIDE COUNTY 600-62-89
1970 BRASS DISC SET 1' EAST OF CONCRETE POST MARKER STAMPED 88 RES. 2/9
MILES SE ALONG PALA ROAD FROM POST OFFICE AT TEMECULA 29 N.E. OF THE PAVED ROAD 5' N.W. OF '36' POLE NO. 6295, C.W.T. 3' S.W. OF '36' CONCRETE STANDPIPE. ELEV. 1038.378

BASIS OF BEARINGS

THE BASIS OF BEARINGS IS THE CENTERLINE OF PALA ROAD PER RECORD OF SURVEY BOOK 100, PAGE 28, E. 147-45-20-17.

REV. NO.	REVISIONS	DATE	APPR.	DATE	APPR.	DATE	APPR.	DATE	APPR.
1	REVISE SECTION AND ALLGAINMENT ON SHT. 10	10/15/03	A.J.T.	10/15/03	W.M.	10/15/03			
2	STA. 54+07.92 TO 54+53.05	12/15/03	A.J.T.	12/15/03	W.M.	12/15/03			
3	ADD STORM DRAIN PLAN PROFILE	1/15/04	A.J.T.	1/15/04	W.M.	1/15/04			
4	"E" TO SH/VS. 10/12	10/12/04	A.J.T.	10/12/04	W.M.	10/12/04			

Lohr + Associates Inc
1401 University Ave.
Riverside, CA 92507
Tel: 951-514-1100
Fax: 951-514-1101
PREPARED BY: Fred W. Doerries
DATE: 5-18-04
R.C.E.NG. 16528 EXP. DATE 8-30-05



INDEX MAP

SEE SHEET 2

MAINTENANCE RESPONSIBILITIES

INDEMNIFICATION - THE MAINTENANCE AGREEMENT INDEMNIFIES RCFWCWD FROM ANY LIABILITY INCURRED FOR THE DESIGN OF, FROM THE OPERATION OF, FROM THE MAINTENANCE OF AND THE PUBLIC ACCESS TO THE CHANNEL.

R.C.F.C.W.C.D. MAINTAINS:

- FOR WOLF VALLEY CREEK CHANNEL, STAGE 2 STATION 10+03.73 TO STATION 99+58.05
 - STRUCTURES
 - LOMA LINDA ROAD - CONCRETE STRUCTURE UPSTREAM OF TRIPLE RC BOX.
 - WOLF CREEK DRIVE N - CONCRETE STRUCTURES DOWNSTREAM AND UPSTREAM OF TRIPLE RC BOX.
 - WOLF VALLEY ROAD - CONCRETE STRUCTURES DOWNSTREAM AND UPSTREAM OF DOUBLE RC BOX.
 - WOLF CREEK DRIVE S - CONCRETE STRUCTURES DOWNSTREAM AND UPSTREAM OF DOUBLE RC BOX.
 - DEER HOLLOW ROAD - CONCRETE STRUCTURE DOWNSTREAM OF 96-INCH R.C.P. AND 72-INCH R.C.P.
 - SLOPE FAILURES - AFTER TURF IS ESTABLISHED ON THE SLOPES (100% COVERAGE AND AT LEAST 2-INCHES HIGH), RCFWCWD WILL RESTORE SLOPES THAT HAVE A MAJOR FAILURE. THIS DOES NOT INCLUDE EROSION ON SLOPES CAUSED BY DRAINAGE FROM ADJACENT PROPERTIES.
- DEBRIS REMOVAL
 - STRUCTURES LISTED UNDER STRUCTURES AND RC BOX CROSSINGS - RCFWCWD WILL BE RESPONSIBLE FOR ALL DEBRIS REMOVAL.
 - RCFWCWD WILL REMOVE DEBRIS FROM AREAS OF THE TURF CHANNEL BOTTOM WHEN THE DEBRIS DEPOSIT IN THE CHANNEL BOTTOM AT THE LEVEE TOES IS GREATER THAN 12-INCHES.
- R.C.F.C.W.C.D. WILL NOT MAINTAIN, LANDSCAPING, IRRIGATION SYSTEMS, OR TURF.
 - LINE DC, 11"x6.5" H R.C.B., STA. 10+03.83 TO 10+56.88
 - LINE H, 60" R.C.P., STA. 10+21.10 TO 10+67.83
 - LINE I, 48" R.C.P., STA. 9+97.07 TO 10+81.41
- ALL MANHOLES AND OTHER STRUCTURES REQUIRED TO COMPLETE THE CONSTRUCTION OF THE ABOVE, MENTIONED CHANNEL AND STORM DRAIN, EXCLUDING CATCH BASINS.

CITY OF TEMECULA MAINTAINS:

- ALL RC BOX STRUCTURES EXCEPT FOR DEBRIS REMOVAL
 - LINE EA, 36" R.C.P., STA. 10+45.80 TO 11+68.78
 - LINE EB, 30" R.C.P., STA. 10+57.00 TO 11+75.45
 - LINE EC, 36" R.C.P., STA. 10+62.00 TO 13+71.54
 - LINE ED, 30" R.C.P., STA. 10+57.00 TO 10+82.41
 - LATERAL 1, 24" R.C.P., STA. 1+25.00 TO 1+72.71
 - LATERAL 2, 48" R.C.P., STA. 1+25.84 TO 1+73.77

UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR OTHERS AND THOSE SHOWN ON THE RECORDS OF THE OWNER AS INDICATED WITH THEIR APPROXIMATE LOCATION AND DEPTH. THE OWNER WILL BE RESPONSIBLE FOR THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT TO THESE PLANS. THE CONTRACTOR SHALL ASSUME LIABILITY AND TO HOLD UNDERWRITERS HARMLESS FOR ANY DAMAGES RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED; NOT INDICATED ON THE PUBLIC RECORDS EXAMINED; LOCATED AT VARIANCE WITH THAT REPORTED OR SHOWN ON RECORDS MEASURES, TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE OWNER OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK.

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INDEX

- TITLE SHEET
INDEX MAP
CHANNEL PLAN AND PROFILE
LATERALS 1 AND 2
LINES "H" AND "I"
LINES "EA" AND "EB"
LINES "EC" AND "ED"
LINE "DC" AND DETAILS
TRANSITION STRUCTURE DETAILS

R.C.F.C. & W.C.D. STANDARD DRAWINGS

- JS 230 JUNCTION STRUCTURE No. 5
JS 231 JUNCTION STRUCTURE No. 6
MH 251 MANHOLE NO. 1
MH 255 MANHOLE FRAME & COVER NON-ROCKING
MH 257 MANHOLE SHAFT FOR CAST PIPE
MH 259 STANDARD DROP STEP
M 816 CONCRETE BULKHEAD

CALTRANS STANDARD DRAWINGS

- D80 REINFORCED CONCRETE SINGLE BOX CULVERT
D81 REINFORCED CONCRETE DOUBLE BOX CULVERT
D82 BOX CULVERT MISCELLANEOUS DETAILS

ENGINEERS ESTIMATE OF QUANTITIES

- CONST. REINFORCED GRASS LINED CHANNEL ~ 7075 L.F.
- CONST. TRIPLE 14"W X 6"H R.C.B. ~ 188 L.F.
- CONST. DOUBLE 12"W X 6"H R.C.B. ~ 78 L.F.
- CONST. 11"W X 6.5"H R.C.B. ~ 53 L.F.
- INSTALL 60" R.C.P. (1400-D) ~ 47 L.F.
- INSTALL 48" R.C.P. (1300-D) ~ 133 L.F.
- INSTALL 36" R.C.P. (2000-D) ~ 184 L.F.
- INSTALL 30" R.C.P. (2000-D) ~ 388 L.F.
- INSTALL 24" R.C.P. (CLASS IV) ~ 48 L.F.
- INSTALL 21" R.C.P. (CLASS IV) ~ 5 L.F.
- CONST. M.H. NO. 1 ~ 1 EA.
- CONST. J.S. NO. 6 MODIFIED ~ 3 EA.
- CONST. J.S. NO. 6 ~ 4 EA.
- CONST. CONCRETE BULKHEAD ~ 10 EA.
- CONST. INLET TRANSITION STRUCTURE ~ 835 L.F.
- CONST. OUTLET TRANSITION STRUCTURE ~ 390 L.F.
- CONST. JS NO. 5 ~ 1 EA.
- PLACE 2 TON ROCK RIP RAP ~ 2,342 C.Y.
- PLACE 1 TON ROCK RIP RAP ~ 2,382 C.Y.
- PLACE No. 2 BACKING 12" THICK W/MIRAFI 700 X FILTER FABRIC ~ 987 C.Y.
- CONST. CONCRETE END SILL TYPE A ~ 70 C.Y.
- CONST. CONCRETE BACKFILL ~ 363 L.F.
- CONST. 0.25" AC OVER 0.50" AB CLASS II ~ 122,850 S.F.
- CONST. CONCRETE END SILL TYPE B ~ 428 C.Y.
- MAINTENANCE RAMP ~ 8 EA.
- CONST. PIER WALL ~ 5 EA.

DUPLICATE OF ORIGINAL - DO NOT REVISION

RECOMMENDED BY: *S. Salinas* DATE: *5/18/04*
ACCEPTED BY: *Donald Parks* DATE: *5/18/04*
R.C.E. NO. 18744 EXP. DATE 8/30/05
PROJECT NO. 7-0-0260-02
DRAWING NO. 7-374
TITLE SHEET 1 OF 17

WOLF VALLEY CREEK CHANNEL, STAGE 2 TR. 29305

DESIGNED BY: *S. Salinas* DATE: *5/18/04*
CHECKED BY: *Donald Parks* DATE: *5/18/04*
DATE: *6-3-2004*
DATE: *6-7-04*

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

GENERAL NOTES

- THE CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL IMPROVEMENTS SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT'S SPECIAL MOU STANDARD DATED SEPTEMBER, 1984, AND DESIGN MANUAL STANDARD DRAWINGS DATED APRIL, 2004.
- IF ENCROACHMENT PERMIT IS REQUIRED FROM RIVERSIDE COUNTY FLOOD CONTROL, THEN CONTACT ED LOTZ AT (909) 955-1266 AFTER THE PERMIT IS ISSUED. THE DISTRICT MUST BE NOTIFIED ONE WEEK PRIOR TO CONSTRUCTION. CONSTRUCTION INSPECTION WILL BE PERFORMED BY RIVERSIDE COUNTY FLOOD CONTROL. CONTACT DALE ANDERSON AT (909) 955-1288. THE DISTRICT MUST BE NOTIFIED 20 DAYS PRIOR TO CONSTRUCTION.
- ALL STATING FOR LATERALS AND CONNECTION PIPE REFER TO THE CENTERLINE - CENTERLINE INTERSECTION STATION.
- FORTY-EIGHT HOURS BEFORE EXCAVATION, CALL UNDERGROUND SERVICE ALERT (800) 277-2600.
- ALL CROSS-SECTIONS ARE IN FEET AND DECIMALS THEREOF BASED ON U.S.C. & G.S. DATUM.
- ELEVATIONS OF UTILITIES ARE APPROXIMATE UNLESS OTHERWISE NOTED.
- OPENINGS RESULTING FROM CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES TO BE ABANDONED SHALL BE SEALED WITH 6" OF CLASS "B" CONCRETE.
- BEDDING PIPE SHALL CONFORM TO RCF.C.W.C.D. STD. M815, EXCEPT FOR COVER < 2 FEET. FOR COVER < 2 FEET, INCHES MINIMUM AND 12 INCHES MAXIMUM ABOVE THE TOP OF THE PIPE. TRENCH SHALL BE SLURRY EXTENDING 4 INCHES MINIMUM AND 12 INCHES MAXIMUM ABOVE THE TOP OF THE PIPE.
- TRACT 29114 GEOTECHNICAL INVESTIGATION SOIL REPORT DATED OCTOBER 3, 2003, GEOTEK, INC., INDICATES LOCATIONS OF SOIL BORING AND SOIL CONDITION INDICATES APPROXIMATE BORING LOCATION.
- "H" IS THE DEPTH OF CATCH BASIN MEASURED FROM THE GUTTER FLOWLINE TO INVERT OF CONNECTOR PIPE.
- CATCH BASINS SHALL BE LOCATED SO THAT LOCAL DEPRESSION SHALL BEGIN AT EXISTING CURB RETURN JOINT, UNLESS OTHERWISE SPECIFIED.
- ALL CURBS, GUTTER, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED IN KIND AND AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED.
- PIPE CONNECTED TO THE MAINLINE PIPE SHALL CONFORM TO JUNCTION STRUCTURE NO. 4 (JS 229) UNLESS OTHERWISE NOTED.
- STANDARD DRAWINGS CALLED FOR ON THE PLAN AND PROFILE SHALL CONFORM TO DISTRICT STANDARD DRAWINGS UNLESS OTHERWISE NOTED.
- THE CONTRACTOR IS REQUIRED TO CALL ALL UTILITY AGENCIES REGARDING TEMPORARY SHORING AND SUPPORT REQUIREMENTS FOR THE VARIOUS UTILITY LINES SHOWN ON THESE PLANS.
- DURING ROUGH GRADING OPERATIONS AND PRIOR TO CONSTRUCTION OF PERMANENT DRAINAGE STRUCTURES, TEMPORARY DRAINAGE CONTROL SHOULD BE PROVIDED TO PREVENT PONDING WATER AND DAMAGE TO ADJACENT PROPERTIES.
- APPROVAL OF THESE PLANS BY RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT DOES NOT RELIEVE THE DEVELOPER'S ENGINEER OF RESPONSIBILITY FOR THE ENGINEERING DESIGN. IF FIELD CHANGES ARE REQUIRED, IT WILL BE THE RESPONSIBILITY OF THE DESIGN ENGINEER TO MAKE THE NECESSARY CORRECTIONS.
- THE CONTRACTOR OR DEVELOPER SHALL SECURE ALL REQUIRED ENCROACHMENT AND/OR STATE AND FEDERAL REGULATORY PERMITS PRIOR TO THE COMMENCEMENT OF ANY WORK.

RCFC & WCD	STD. DWG.	COUNTY OF RIVERSIDE	STD. NO.
MANHOLE NO. 2	MH 252	CURB INLET CATCH BASIN	300
MANHOLE NO. 3	MH 253	LOCAL DEPRESSION CASE C	311
MANHOLE NO. 4	MH 254		

TRANSITION STRUCTURE	STD. PLAN
NO. 1	TS 301
NO. 2	TS 302
NO. 3	TS 303
NO. 4	TS 304
NO. 5	TS 305
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NO. 98	TS 398
NO. 99	TS 399
NO. 100	TS 400

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NO. 44	TS 344

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

TRACT 29473

PRIVATE ENGINEER'S NOTE TO CONTRACTOR

ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT THE PUBLIC IS PROTECTED AND THE RIGHTS OF OTHER CONTRACTORS SHALL COMPLY WITH THE OCCUPATIONAL SAFETY AND HEALTH REGULATIONS OF THE U.S. DEPARTMENT OF LABOR AND THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS CONSTRUCTION SAFETY ORDERS. THE CIVIL ENGINEER SHALL NOT BE RESPONSIBLE IN ANY WAY FOR THE CONTRACTORS' AND SUBCONTRACTORS' COMPLIANCE WITH SAID REGULATIONS AND ORDERS.

CONTRACTOR FURTHER AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB-SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. WHENEVER THE CONTRACTOR SEES, HEARS, IDENTIFIES OR HOLDS THE LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTION FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

THE EXISTENCE AND APPROXIMATE LOCATIONS OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY ASSUMING NOT LIABLY AVAILABLE RECORDS. THE CIVIL ENGINEER MAKES NO WARRANTY FOR UTILITY OR IRRIGATION LINES WHOSE LOCATIONS ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY AND IRRIGATION COMPANIES PRIOR TO WORK OR EXCAVATION TO DETERMINE THE EXACT LOCATIONS OF ALL LINES AFFECTING THIS WORK, WHETHER OR NOT SHOWN HEREON, AND FOR ANY DAMAGE OR PROTECTION TO THESE LINES.

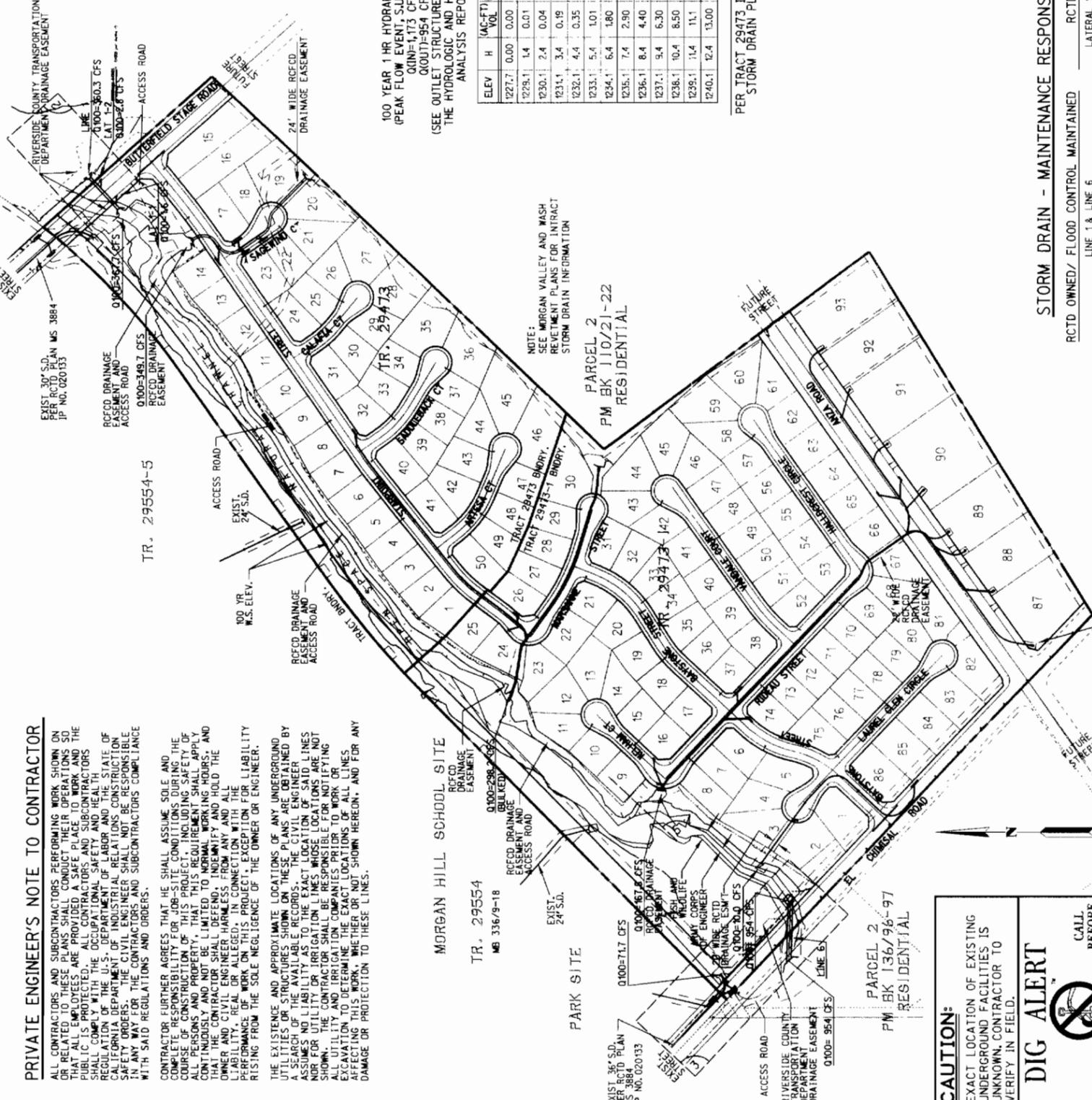
MORGAN HILL SCHOOL SITE

TR. 29554
MB 336/9-18

PARK SITE

EXIST. 36' S.D. PER RCTD PLAN IP NO. 020133

EXIST. 24' S.D.



INDEX MAP
SCALE: 1"=200'

STORM DRAIN - MAINTENANCE RESPONSIBILITY
RCTD OWNED/ FLOOD CONTROL MAINTAINED RCTD
LATERAL 1-1, 1-2



VICINITY MAP
NOT TO SCALE

GENERAL NOTES:

- THE CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL IMPROVEMENTS SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL DISTRICT'S STANDARD SPECIFICATIONS DATED SEPTEMBER 1984, AND DESIGN MANUAL STANDARD DRAWINGS DATED MAY 1971.
- IF AN ENCROACHMENT PERMIT IS REQUIRED FROM RIVERSIDE COUNTY FLOOD CONTROL, THEN CONTACT ED. LOZ AT 909-955-1266. AFTER THE PERMIT IS ISSUED THE DISTRICT MUST BE NOTIFIED ONE WEEK PRIOR TO CONSTRUCTION.
- CONSTRUCTION INSPECTION WILL BE PERFORMED BY RIVERSIDE COUNTY FLOOD CONTROL. CONTACT DALE ANDERSON AT 909-955-1288. THE DISTRICT MUST BE NOTIFIED 20 DAYS PRIOR TO CONSTRUCTION.
- ALL STATIONING REFERS TO CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED.
- STATIONING FOR LATERALS AND CONNECTOR PIPE REFER TO THE CENTERLINE-CENTERLINE INTERSECTION STATION.
- FORTY-EIGHT HOURS BEFORE EXCAVATION, CALL UNDERGROUND SERVICE ALERT 1-800-227-2600.
- ALL ELEVATIONS SHOWN ARE IN FEET AND DECIMALS THEREOF BASED ON U.S.C. & G.S. DATUM.
- ALL CROSS SECTIONS ARE TAKEN LOOKING DOWNSTREAM.
- ELEVATIONS OF UTILITIES ARE APPROXIMATE UNLESS OTHERWISE NOTED.
- OPENINGS RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES TO BE ABANDONED SHALL BE SEALED WITH 6" OF CLASS 'B' CONCRETE.
- PIPE CONNECTED TO THE MAINLINE PIPE SHALL CONFORM TO JUNCTION STRUCTURE NO. 4 (J.S. 229) UNLESS OTHERWISE NOTED.
- BEDDING PIPE SHALL CONFORM TO RCFCD STD. MB15. EXCEPT FOR COVER < 2 FEET FOR COVER < 2 FEET, CONCRETE SLURRY (2000 PSI - 2 SACK) SHALL BE USED. THE ENTIRE TRENCH SHALL BE SLURRY EXTENDING 4 INCHES MINIMUM AND 12 INCHES MAXIMUM ABOVE THE TOP OF THE PIPE.
- "H" IS THE DEPTH OF INLET OF CATCH BASINS MEASURED FROM FLOWLINE TO INVERT OF CONNECTOR PIPE.
- CATCH BASINS SHALL BE LOCATED SO THAT LOCAL DEPRESSION SHALL BEGIN AT EXISTING CURB RETURN JOINT, UNLESS OTHERWISE SPECIFIED.
- ALL CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED IN KIND AND AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED.
- THE CONCRETE COVER ON THE INSIDE OF ALL REINFORCED CONCRETE PIPE MUST BE INCREASED TO PROVIDE A MINIMUM OF 1/2" OVER THE REINFORCING BARS. THE MINIMUM COVER SHALL BE 2" FOR ALL PIPE SIZES. THE MINIMUM DESIGN STRENGTH IN THESE REACHED SHALL BE 3000 PSI FOR VELOCITIES EXCEEDING 20 FEET PER SECOND AND 4000 PSI FOR VELOCITIES EXCEEDING 30 FEET PER SECOND.
- A SOILS INVESTIGATION DATED JAN. 14, 2000 PROJECT NO. 990083-01 BY SID GEOTECHNICAL, INC. SHALL BE INCLUDED AS A PART OF THESE PLANS. ALL WORK SHALL CONFORM TO RECOMMENDATIONS AS OUTLINED IN SAID REPORT.
- STANDARD DRAWINGS CALLED FOR ON THE PLAN AND PROFILE SHALL CONFORM TO DISTRICT STANDARD DRAWING UNLESS NOTED OTHERWISE.
- THE CONTRACTOR IS REQUIRED TO CALL ALL UTILITY AGENCIES REGARDING TEMPORARY SHORING AND SUPPORT REQUIREMENTS FOR THE VARIOUS UTILITY LINES SHOWN ON THESE PLANS.
- DURING ROUGH GRADING OPERATIONS AND PRIOR TO CONSTRUCTION OF PERMANENT DRAINAGE STRUCTURES, TEMPORARY DRAINAGE CONTROL SHOULD BE PROVIDED TO PREVENT PONDING WATER AND DAMAGE TO ADJACENT PROPERTIES.
- APPROVAL OF THESE PLANS BY THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT FOR THE PERMITTED USE OF THE DEVELOPER'S NAME IS REQUIRED. IT WILL BE THE RESPONSIBILITY OF THE DESIGN ENGINEER TO MAKE THE NECESSARY CORRECTIONS.
- THE CONTRACTOR OR DEVELOPER SHALL SECURE ALL REQUIRED ENCROACHMENT AND/OR STATE AND FEDERAL REGULATORY PERMITS PRIOR TO THE COMMENCEMENT OF ANY WORK.

100 YEAR 1 HR HYDRAULIC DATA
(PEAK FLOW EVENT) S.U.H. METHOD
Q(UINF)=954 CFS
Q(UINF)=1173 CFS
(SEE OUTLET STRUCTURE SECTION IN THE HYDROLOGIC AND HYDRAULIC ANALYSIS REPORT)

ELEV	H	(AC-FT)TED out VOL
1227.7	0.00	0.00
1229.1	1.4	0.01
1230.1	2.4	0.04
1231.1	3.4	0.19
1232.1	4.4	0.35
1233.1	5.4	1.01
1234.1	6.4	2.90
1235.1	7.4	8.40
1236.1	8.4	21.5
1237.1	9.4	63.0
1238.1	10.4	185.0
1239.1	11.4	511.0
1240.1	12.4	1300.0

PER TRACT 29473 INTRACT STORM DRAIN PLANS

TITLE SHEET
PLAN AND PROFILE SHEETS
DETAIL SHEET
STRUCTURAL DETAILS

SHEET NO.
1-3
4-8

RCFCD STANDARD DRAWINGS

- CB 08 CSP INLET
- CB 10 CONCRETE DROP INLET
- MH 251 MANHOLE NO. 1
- MH 252 MANHOLE NO. 2
- MH 254 MANHOLE NO. 4
- TS 303 TRANSITION STRUCTURE NO. 3
- JS NO. 2 JUNCTION STRUCTURE NO. 2
- JS NO. 4 JUNCTION STRUCTURE NO. 4

CALTRANS STANDARD DRAWINGS

- D90 HEADWALL
- D88 HEADWALL
- D80 REINFORCED CONCRETE BOX

WORK TO BE DONE
THESE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS, THE CURRENT RIVERSIDE COUNTY FLOOD CONTROL DISTRICT'S STANDARD SPECIFICATIONS, AND THE LATEST EDITION ("GREEN BOOK").

NOTIFICATION
1. THE CONTRACTOR SHALL NOTIFY COUNTY OF RIVERSIDE TRANSPORTATION DEPARTMENT (909) 955-1288 48 HOURS IN ADVANCE OF STARTING CONSTRUCTION.

ENGINEER OF WORK
RICK ENGINEERING COMPANY
1223 UNIVERSITY AVENUE SUITE 240
RIVERSIDE CALIFORNIA 92507
PHONE - (909) 782-0707
FAX - (909) 782 0723

TRANSPORTATION QUANTITIES
CONSTRUCT 18" RCP (CLASS IV)
CONSTRUCT CATCH BASIN PER COUNTY OF RIVERSIDE STD NO. 300
CONSTRUCT JUNCTION STRUCTURE PER PER RCFCD STD US NO. 3
CONSTRUCT GUTTER DEPRESSION PER COUNTY OF RIV. STD. NO. 311... 2 EA

UNAUTHORIZED CHANGES AND USES
CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

UNDERGROUND STRUCTURES
ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR OTHERS AND THOSE SHOWN ON THE RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE OWNER BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT TO THESE PLANS OR ANY CHANGES RESULTING FROM THE EXISTING UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERGROUND NOT INDICATED ON THE PUBLIC RECORDS EXAMINED OR LOCATED AT VARIANCE WITH THAT REPORTED OR SHOWN ON RECORDS EXAMINED. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES FOUND. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE UTILITY OR STRUCTURES CONCERNED BEFORE STARTING WORK.

PROJECT NO. 7-0-0059
DRAWING NO. 7-473
SHEET NO. 1 OF 8

STORM DRAIN
MORGAN HILL SCHOOL SITE
EL CHIMISAL & BUTTERFIELD STAGE ROAD
STORM DRAIN UNDERCROSSING
TRACT 29473 MS 3915 IP 030083

TITLE SHEET

APPROVED BY: *[Signature]*
DATE: 6-21-05

REGISTERED PROFESSIONAL ENGINEER
No. 46804
Exp. 6-30-07
STATE OF CALIFORNIA

EDWARD MICHEL BATTICAN
RICK ENGINEERING COMPANY
1222 University Ave., Ste. 300, Riverside, CA 92507
Phone: (951) 514-1111
Fax: (951) 514-1112
www.rickeng.com

DATE: 6-21-05
RECOMMENDED BY: *[Signature]*

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

GENERAL NOTES:

- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT STANDARD DRAWINGS, STANDARD SPECIFICATIONS FOR FLOOD CONTROL AND DRAINAGE FACILITIES CONSTRUCTED WITHIN SUBDIVISIONS, DATED SEPT. 1984, SUBSEQUENT AMENDMENT AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONST. (GREEN BOOK) 1991, AND CALTRANS SPECIFICATIONS.
- THE CONTRACTOR SHALL NOTIFY THE DISTRICT'S INSPECTOR AT LEAST TWO (2) WEEKS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION BY TELEPHONING (909) 275-1288. CONTACT: CLYDE JOHNSON.
- LOCATIONS OF PUBLIC UTILITIES SHOWN HAVE BEEN DETERMINED FROM AVAILABLE INFORMATION. HOWEVER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE TRUE LOCATION OF ANY EXISTING UTILITIES AND TO EXERCISE PROPER PRECAUTIONS IN ORDER TO AVOID INJURY OR DAMAGE THEREOF.
- ALL REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60, DEFORMED BARS.
- A SOILS INVESTIGATION MEMORANDUM DATED JULY 18, 2000, PREPARED BY PETRA GEOTECHNICAL, INC., JOB NO. 343-99, SHALL BE INCLUDED AS A PART OF THESE PLANS. ALL WORK SHALL CONFORM TO RECOMMENDATIONS AS OUTLINED IN SAID MEMORANDUM.
- CHAPTER ALL EXPOSED EDGES OF CONCRETE 3/4".
- PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE DEVELOPER'S CONTRACTOR SHALL OBTAIN A PERMIT FROM THE STATE DIVISION OF INDUSTRIAL SAFETY. A COPY OF THE PERMIT SHALL BE KEPT ON THE JOB SITE AT ALL TIMES.
- FOR TRENCH EXCAVATIONS IN NATIVE SOIL, SHORING SHALL BE PROVIDED TO SATISFY THE STATE OF CALIFORNIA SAFETY REQUIREMENTS AND APPLICABLE SOILS REPORT AND MEMORANDUM.
- PRIOR TO EXCAVATION, THE CONTRACTOR SHALL CONTACT PACIFIC BELL LOCATING SERVICES (PHONE NO. 833-0811) FOR THEIR SERVICE.
- ALL REINFORCED CONCRETE PIPE SHALL BE BEDDED IN ACCORDANCE WITH R.C.F.C. & W.C.D. STANDARD DRAWING NO. MB15.
- PIPE CONSTRUCTION IN FILL AREA MUST BE COORDINATED WITH THE GRADING TO INSURE THAT WHEN THE FILL OPERATION HAS BEEN COMPLETED AT LEAST A MINIMUM OF TWO FEET ABOVE THE TOP OF PIPE OR TO THE (3) FEET (MINIMUM) ABOVE THE PROPOSED SUB-GRADE OF THE PIPE HAS BEEN PROVIDED. THE STORM DRAIN TRENCH SHALL BE EXCAVATED AND THE PIPE INSTALLED.
- WHENEVER APPLICABLE, THE DEVELOPER SHALL OBTAIN PERMITS FROM THE STATE DEPARTMENT OF FISH AND GAME AND THE U.S. ARMY CORPS OF ENGINEERS IN ACCORDANCE WITH SECTION 1602, AND SECTION 404, RESPECTIVELY, PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- PRIOR TO THE CONSTRUCTION OF THE JUNCTION STRUCTURES FOR LINES "B" AND "C" AS SHOWN ON SHEETS 2 AND 3, THE EXISTING PIPES LOCATED WITHIN THE ACCESS ROAD WILL BE EXPOSED AND INSPECTED BY THE DISTRICT'S CONSTRUCTION ENGINEER OR INSPECTOR FOR STRUCTURAL DEFECTS. IF THE DISTRICT DETERMINES THAT PORTIONS OF THE EXISTING PIPES NEED TO BE REPLACED OR REPAIRED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE WORK USING SIMILAR SIZE REINFORCED CONCRETE PIPES WITH A MINIMUM D-LOAD OF 1500.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANING OF THE PROPOSED WORK AREA, AND RELOCATION COSTS OF ALL EXISTING UTILITIES. PERMITS MUST INFORM COUNTY OF CONSTRUCTION SCHEDULE AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION BY TELEPHONING (909) 275-8785.
- PRIOR TO EXCAVATION, CONTRACTOR SHALL CONTACT UNDERGROUND SERVICES ALERT (U.S.A.) PHONE NO. (800) 422-4133 FOR THEIR SERVICE.
- CHANNEL EXCAVATION SHALL CONFORM TO CALTRANS STANDARD SPECIFICATION SECTION 19.
- CHANNEL EXCAVATION SHALL CONFORM TO CALTRANS STANDARD SPECIFICATION SECTION 19.
- ROCK RIPRAP SHALL CONFORM TO CALTRANS STANDARD SPECIFICATION SECTION 72 METHOD, A ROCK SIZE AS PER PLAN.
- LEFT BANK AND RIGHT BANK IS REFERENCED LOOKING DOWNSTREAM.

INDEX

TITLE SHEET
CHANNEL PLAN & PROFILE SHEET
DETAIL SHEET
CROSS SECTION SHEET

SHEET NO.
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6

REVISIONS

AS BUILT STANDARD DRAWING
J5 231 JUNCTION STRUCTURE NO. 6
CH 328 TRAPEZOIDAL CHANNEL
M 801 CHAIN LINK FENCE DETAILS
M 815 BEDDING AND PAY LINES
CH 333 DRAINAGE APPROX FOR ACCESS ROAD

BENCHMARK DESCRIPTION

ELEVATION: 106.074
DATE: 9-13-02
RIVERSIDE COUNTY DESIGNATION: T-48-81 STAMPED ON 2" & 1/2" BRASS DISK IN CONCRETE WALL FROM THE INTERSECTION OF RANCHO CALIFORNIA ROAD AND FRONT STREET 1.7 MILES N/W ON FRONT STREET - JEFFERSON AVE. TO THE INTERSECTION OF JEFFERSON AVE. AND WINCHESTER (HWY-78) 20 MILES N/E ON WINCHESTER ROAD (HWY-78) TO A BRIDGE OVER THE TUCALOTA CREEK AND THE SANTA GERTRUDIS CREEK FORK IN THE 3/4" WING WALL, 6" 5/2" OF CORNER OF BRIDGE ABUTMENT 3' E OF TELEPHONE SERVICE BOX.

NOTICE

THE CONTRACTOR SHALL NOTIFY THE DISTRICT IN WRITING A MINIMUM OF TWO WEEKS BEFORE BEGINNING CONSTRUCTION AND SHALL NOT BEGIN CONSTRUCTION BEFORE OBTAINING AUTHORIZATION TO PROCEED.

UNDERGROUND STRUCTURES

ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR OTHERS AND THOSE SHOWN ON THE RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE OWNER BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT THERETO AGREES TO ASSUME LIABILITY AND TO HOLD UNDERWRITERS HARMLESS FOR ANY DAMAGES RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERWRITER. NOT INDICATED ON THE PUBLIC RECORDS EXAMINED, LOCATED AT WHARVEE WITH THAT REPORTED OR SHOWN ON RECORDS EXAMINED. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK.

UNAUTHORIZED CHANGES AND USES

CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.



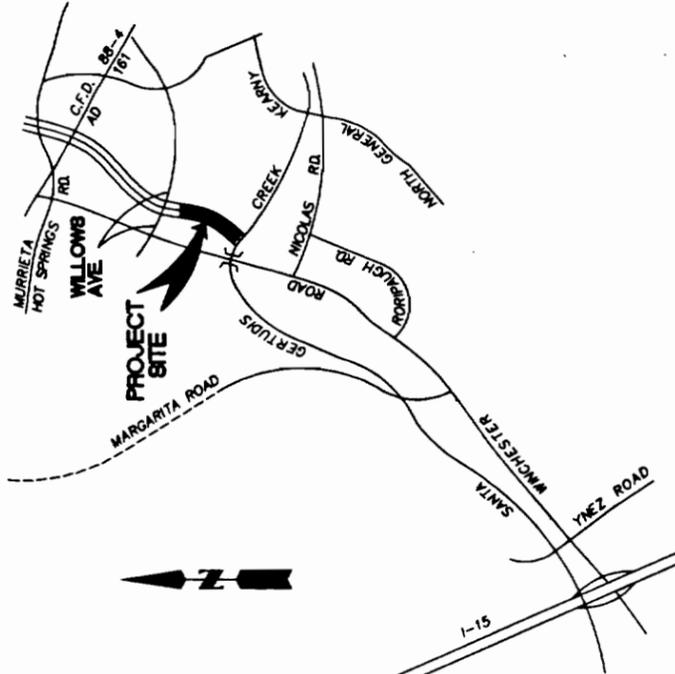
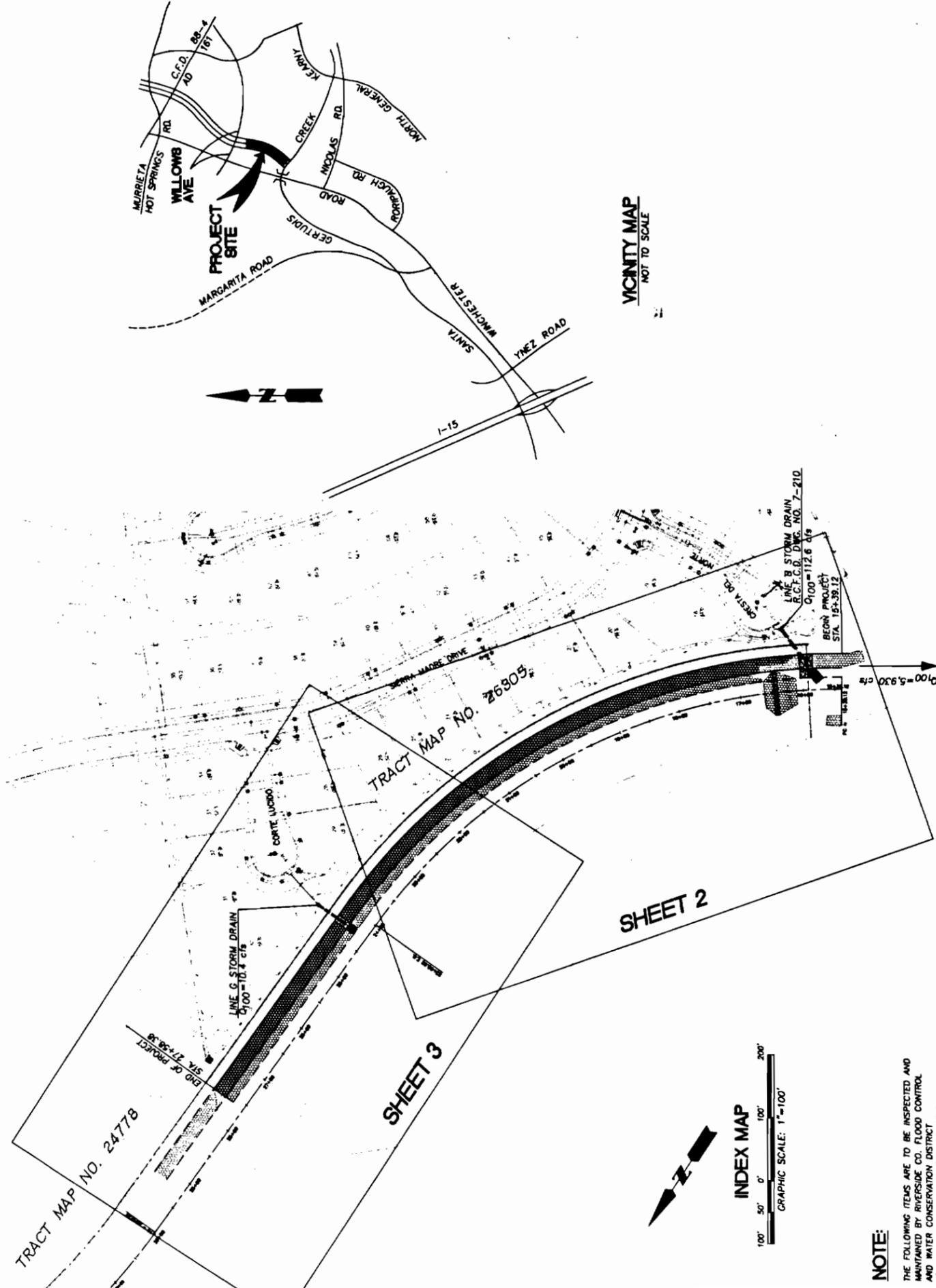
AS BUILT

APPROVED BY: *David J. Valdez*
DATE: 9-25-03

CALIFORNIA COUNCIL OF CIVIL ENGINEERS & LAND SURVEYORS

Project No. 7-0-0000-02
Drawing No. 7-316
Sheet No. 1 of 6

TITLE SHEET
SANTA GERTRUDIS VALLEY
TUCALOTA CREEK
STORM DRAIN STAGE II
TRACT MAP NO. 26305



VICINITY MAP
NOT TO SCALE



NOTE:
THE FOLLOWING ITEMS ARE TO BE INSPECTED AND MAINTAINED BY RIVERSIDE CO. FLOOD CONTROL AND WATER CONSERVATION DISTRICT FROM STA. 15+39.12 TO STA. 27+54.38 CHANNEL COMPLETE WITH ALL APPURTENANCES WITHIN EASEMENT AS SHOWN ON SHEETS 2 THRU 5.

Ground Service Alert
DIG ALERT
CALL TOLL FREE
1-800-227-2800
WORK DAYS BEFORE YOU GO

REGISTERED PROFESSIONAL ENGINEER
CELESTINE Y. AGUIAR
NO. 094679
EXP. 3/31/04
STATE OF CALIFORNIA
CIVIL ENGINEER

AGI-CASCO
937 SOUTH VIA LATA
SUITE 300
COLTON, CA 92324
TEL: (909) 783-0181 FAX: (909) 783-0108
CEAZAR C. AGUIAR R.C.E. 41879 DATE: 8-29-00

BENCH MARK: SEE ABOVE RIGHT

SCALE: HORIZ. DATE: VERT. DATE:

REV.	DATE	DESCRIPTION
1	9-11-00	AS BUILT (CALIFORNIA)

RECOMMENDED FOR APPROVAL BY: *David J. Valdez*
PLANNING ENGINEER
DATE: 9-11-00

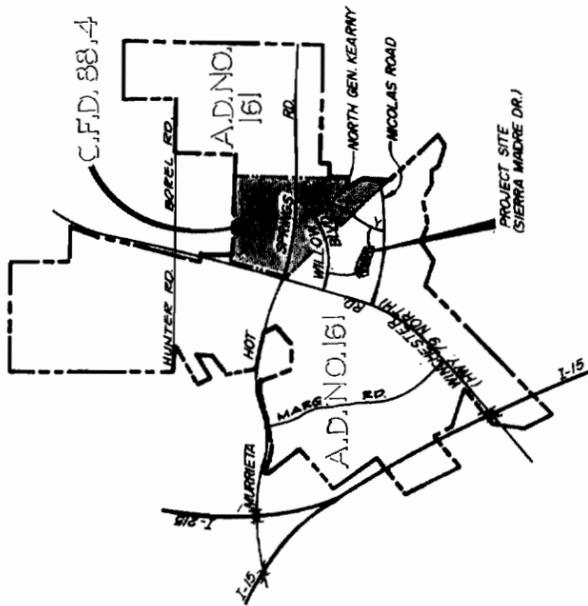
APPROVED BY: *David J. Valdez*
CHIEF ENGINEER
DATE: 9/13/02

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
RIVERSIDE COUNTY, CALIF.
DATE: 9/5/02

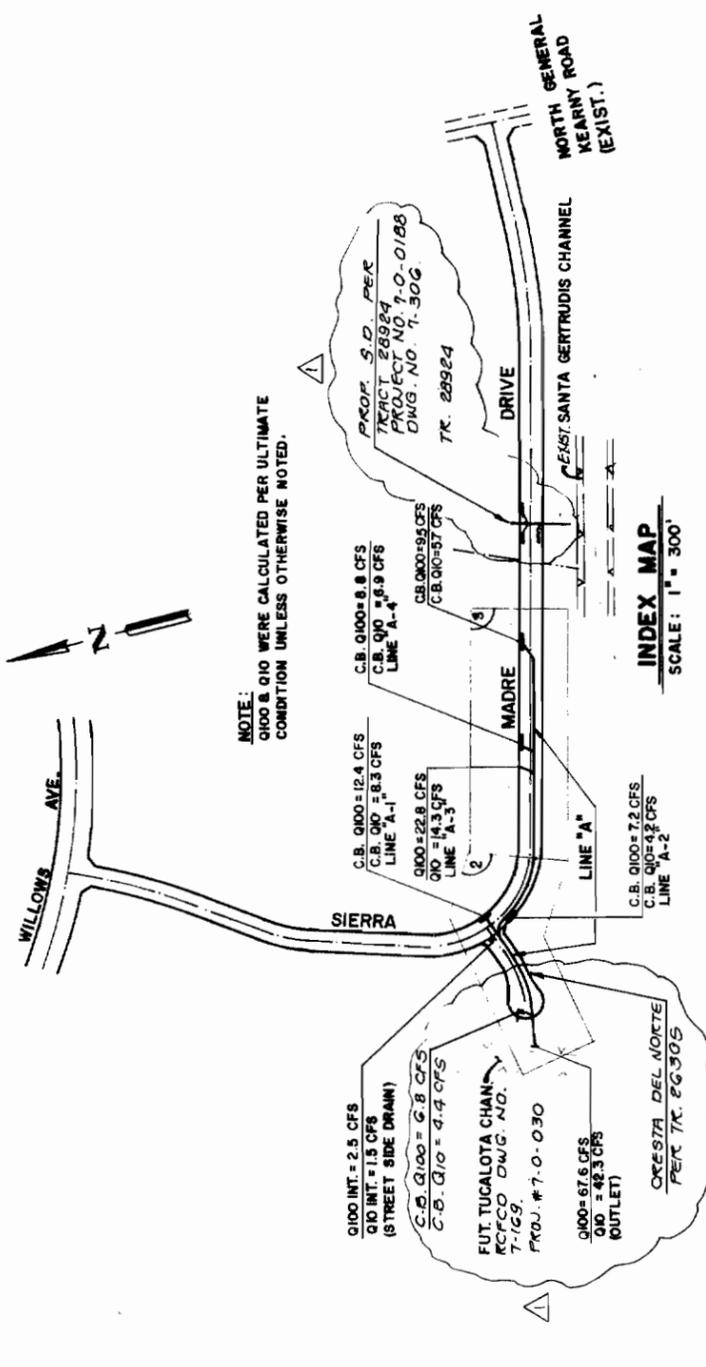
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT ASSESSMENT DISTRICT NO. 161

GENERAL NOTES

- THE CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL IMPROVEMENTS SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT'S MEMORANDUM OF UNDERSTANDING STANDARD SPECIFICATIONS DATED SEPTEMBER 1984, AND DESIGN MANUAL STANDARD DRAWINGS DATED MAY 1971.
- IF AN ENCROACHMENT PERMIT IS REQUIRED FROM RIVERSIDE COUNTY FLOOD CONTROL, THEN CONTACT E.D. LOTZ AT 909/715-1266. AFTER THE PERMIT IS ISSUED, THE DISTRICT MUST BE NOTIFIED ONE WEEK PRIOR TO CONSTRUCTION.
- CONSTRUCTION INSPECTION WILL BE PERFORMED BY RIVERSIDE COUNTY FLOOD CONTROL. CONTACT CLYDE JOHNSON AT 909/715-1288. THE DISTRICT MUST BE NOTIFIED TWO WEEKS PRIOR TO CONSTRUCTION.
- ALL STATIONING REFERS TO CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED.
- STATIONING FOR LATERALS AND CONNECTOR PIPE REFER TO THE CENTERLINE-CENTERLINE INTERSECTION STATION.
- FORTY-EIGHT HOURS BEFORE EXCAVATION, CALL UNDERGROUND SERVICE ALERT 1-800-422-4133.
- ALL ELEVATIONS SHOWN ARE IN FEET AND DECIMALS THEREOF BASED ON U.S.C. & G.S. DATUM.
- ALL CROSS SECTIONS ARE TAKEN LOOKING DOWNSTREAM.
- ELEVATIONS OF UTILITIES ARE APPROXIMATE UNLESS OTHERWISE NOTED.
- OPENINGS RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES TO BE ABANDONED SHALL BE SEALED WITH 6" OF CLASS "B" CONCRETE.
- PIPE CONNECTED TO THE MAINLINE PIPE SHALL CONFORM TO JUNCTION STRUCTURE NO. 4 (S 229) UNLESS OTHERWISE NOTED.
- CONCRETE PIPE WITH LESS THAN TWO FEET OF COVER SHALL CONFORM TO LOS ANGELES COUNTY FLOOD CONTROL DISTRICT STANDARD DRAWINGS 2-0213.3 AND 2-D177 FOR CONCRETE BACKFILL IN TRENCHES. ALL OTHER PIPE SHALL CONFORM TO RCTC & RCD STD. 100, 1015.
- 10'-1" INDICATES SOIL BORING LOCATIONS BASED ON THE SOILS REPORT DATED 7-2-99. LOCATIONS SHOWN ARE APPROXIMATE.
- "V" IS THE DEPTH OF INLET OF CATCH BASINS MEASURED FROM THE TOP OF CURB TO INVERT OF CONNECTOR PIPE.
- CATCH BASINS SHALL BE LOCATED SO THAT LOCAL DEPRESSION SHALL BEGIN AT EXISTING CURB RETURN JOINT, UNLESS OTHERWISE SPECIFIED.
- ALL CURBS, GUTTERS, SIGNALS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED IN KIND AND AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED.



VICINITY MAP
NO SCALE



NOTE:
Q100 & Q10 WERE CALCULATED PER ULTIMATE CONDITION UNLESS OTHERWISE NOTED.

INDEX MAP
SCALE: 1" = 300'

INDEX

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MAINLINE PLAN & PROFILE	2-43	
CONNECTOR PIPE PROFILE	2-43	
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R.C.F.C.D. STANDARD DRAWINGS

CB 100	CATCH BASIN NO.1
LD 201	LOCAL DEPRESSION NO.2
MH 201	MANHOLE NO.1
MH 202	MANHOLE NO.2
JS 227	JUNCTION STRUCTURE NO.2
JS 228	JUNCTION STRUCTURE NO.4
MB 01	CONCRETE BULKHEAD



AS BUILT

APPROVED BY: *Ramon L. Valdez*
DATE: 10.6.03

BENCHMARK DESCRIPTION

ELEVATION 1091.074
RIVERSIDE COUNTY DESIGNATION: T-46-81 STAMPED ON 2.6.172 BRASS DISK IN CONCRETE WALL FROM THE INTERSECTION OF RAMON VALDEZ AVENUE AND WINDYBUSH AVENUE TO THE INTERSECTION OF WINDYBUSH AVENUE AND WINDYBUSH AVENUE, 2.0 MILES NORTHWEST ON WINDYBUSH ROAD (HWY. 78) TO A BRIDGE OVER THE TUCALOTA CREEK AND THE SANTA GERTRUDIS CREEK. IN THE SOUTHEAST CORNER, 6 FEET SOUTH OF CORNER OF BUILDING, 3 FEET EAST OF STEEL GUARDRAIL, 19 FEET NORTH OF TELEPHONE SERVICE BOX.

NOTICE

THE CONTRACTOR SHALL NOTIFY THE COUNTY (OR DISTRICT, AS APPROPRIATE) IN WRITING A MINIMUM OF TWO WEEKS BEFORE BEGINNING CONSTRUCTION AND SHALL NOT BEGIN CONSTRUCTION BEFORE OBTAINING AUTHORIZATION TO PROCEED.

UNDERGROUND STRUCTURES

ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR OTHERS AND THOSE SHOWN ON THE RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE OWNER BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT TO THESE PLANS ASSUMES LIABILITY FOR THE LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES OR STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES OR STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE OWNER OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK.

UNAUTHORIZED CHANGES & USES

CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

CALIFORNIA COUNCIL OF CIVIL ENGINEERS & LAND SURVEYORS

NOTES:

- THE FOLLOWING ITEMS ARE TO BE INSPECTED BY RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT AND RETURN TO BE MAINTAINED BY RIV. CO. TRANS. DEPT.
- 40" RCP MANHOLE "A" FROM STA. 9+37.00 TO STA. 10+70.55
 - 30" RCP LINE "A-1" AS SHOWN ON SHEET NO. 2
 - 36" RCP LINE "A" (FR. STA. 12+70.33 TO STA. 17+63.98) AS SHOWN ON SHT. 2 & 3.
 - 24" RCP LINE "A-3", "A-4", "A-5", "A-6", "A-7", "A-8", "A-9", "A-10", "A-11", "A-12", "A-13", "A-14", "A-15", "A-16", "A-17", "A-18", "A-19", "A-20", "A-21", "A-22", "A-23", "A-24", "A-25", "A-26", "A-27", "A-28", "A-29", "A-30", "A-31", "A-32", "A-33", "A-34", "A-35", "A-36", "A-37", "A-38", "A-39", "A-40", "A-41", "A-42", "A-43", "A-44", "A-45", "A-46", "A-47", "A-48", "A-49", "A-50", "A-51", "A-52", "A-53", "A-54", "A-55", "A-56", "A-57", "A-58", "A-59", "A-60", "A-61", "A-62", "A-63", "A-64", "A-65", "A-66", "A-67", "A-68", "A-69", "A-70", "A-71", "A-72", "A-73", "A-74", "A-75", "A-76", "A-77", "A-78", "A-79", "A-80", "A-81", "A-82", "A-83", "A-84", "A-85", "A-86", "A-87", "A-88", "A-89", "A-90", "A-91", "A-92", "A-93", "A-94", "A-95", "A-96", "A-97", "A-98", "A-99", "A-100", "A-101", "A-102", "A-103", "A-104", "A-105", "A-106", "A-107", "A-108", "A-109", "A-110", "A-111", "A-112", "A-113", "A-114", "A-115", "A-116", "A-117", "A-118", "A-119", "A-120", "A-121", "A-122", "A-123", 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RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

GENERAL NOTES

CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL IMPROVEMENTS SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE SPECIFICATIONS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICTS M.O.U. STANDARD SPECIFICATIONS DATED 1/1/1984 AND DESIGN MANUAL STANDARD DRAWINGS DATED MAY, 1971.

ROACHMENT PERMIT MAY BE REQUIRED FROM RIVERSIDE COUNTY FLOOD CONTROL. IF REQUIRED, CONTACT ED. LOTZ AT (951) 261-1266. AFTER THE PERMIT IS ISSUED, THE DISTRICT MUST BE NOTIFIED ONE WEEK PRIOR TO CONSTRUCTION.

CONSTRUCTION INSPECTION WILL BE PERFORMED BY RIVERSIDE COUNTY FLOOD CONTROL. CONTACT DALE ANDERSON AT (909) 955-1288. CONSTRUCTION MUST BE COMPLETED WITHIN TWO WEEKS PRIOR TO CONSTRUCTION.

TONING REFERS TO CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED.

FOR LATERALS AND CONNECTOR PIPE REFER TO THE CENTERLINE INTERSECTION STATIONS.

NOTICE: 24 HOURS BEFORE EXCAVATION, CALL UNDERGROUND SERVICE ALERT AT 1-800-277-2600.

VARIOUS SHOWN ARE IN FEET AND DECIMALS THEREOF BASED ON U.S.C. & G.S. DATUM.

ALL SECTIONS ARE TAKEN LOOKING DOWNSTREAM.

ALL SECTIONS ARE APPROXIMATE UNLESS OTHERWISE NOTED.

CONCRETE RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES TO BE ABANDONED SHALL BE USED FOR CONCRETE BACKFILL IN TRENCHES. ALL OTHER PIPE SHALL CONFORM TO R.C.C. & W.D. STD. DWG. 2-023.3.J AND 2-017.7 FOR CONCRETE BACKFILL IN TRENCHES.

THE DEPTH OF INLET OF CATCH BASINS MEASURED FROM THE TOP OF CURB TO INVERT OF CONNECTOR PIPE.

CONNECTIONS TO MAINLINE PIPE SHALL CONFORM TO JUNCTION STRUCTURE NO. 4 (JS 229) UNLESS OTHERWISE NOTED.

PIPE WITH LESS THAN TWO FEET OF COVER SHALL CONFORM TO LOS ANGELES COUNTY FLOOD CONTROL DISTRICT STANDARD SPECIFICATIONS 2-023.3.J AND 2-017.7 FOR CONCRETE BACKFILL IN TRENCHES. ALL OTHER PIPE SHALL CONFORM TO R.C.C. & W.D. STD. DWG. 2-023.3.J AND 2-017.7 FOR CONCRETE BACKFILL IN TRENCHES.

THE DEPTH OF INLET OF CATCH BASINS MEASURED FROM THE TOP OF CURB TO INVERT OF CONNECTOR PIPE.

BASINS SHALL BE LOCATED SO THAT LOCAL DEPRESSION SHALL BE AT EXISTING CURB RETURN JOINT, UNLESS OTHERWISE NOTED.

CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED IN KIND AND AT THE SAME LOCATION AS THE EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED.

CONTRACTOR SHALL HAVE MAINTENANCE RESPONSIBILITY FOR ALL MAINLINE STORM DRAIN AND APPURTENANCES, RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT WILL BE RESPONSIBLE FOR ALL CATCH BASINS, INLETS AND CONNECTOR PIPES UPON COMPLETION AND MAINTENANCE OF ADDITIONAL STREET IMPROVEMENTS.

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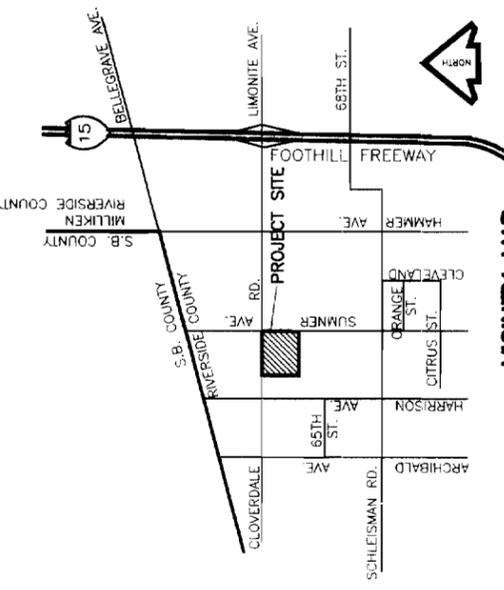
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- LATERAL "C-2" PLAN AND PROFILE SHEET 2 THRU 4
- LATERAL C-2A, C-2B, C-2C, C-2D, C-2E, C-2F, AND C-2G SHEET 5
- INTRIM LINE C-2, LATERAL C-2G, C-2H, C-2I, C-2J AND DETAILS SHEET 6

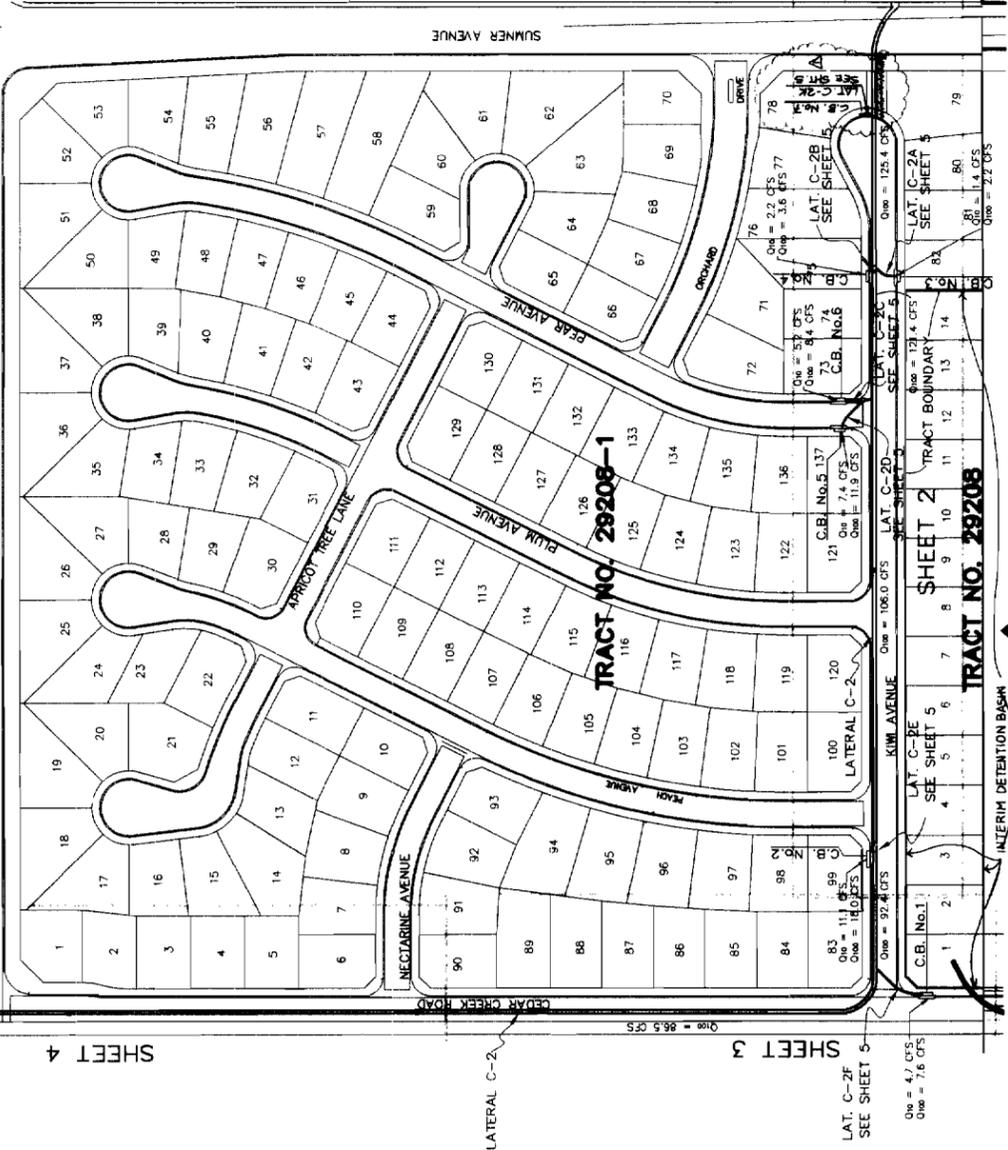
R.C.C.D. STANDARD DRAWINGS

- CB 100 CATCH BASIN NO. 1
- LD 201 LOCAL DEPRESSION NO. 2
- JS 229 JUNCTION STRUCTURE NO. 4
- MH 252 MANHOLE NO. 2
- MH 254 MANHOLE NO. 4
- TS 303 TRANSITION STRUCTURE NO. 3
- JS 227 JUNCTION STRUCTURE NO. 2
- M 816 CONCRETE BULKHEAD
- M 803 CONCRETE COLLAR
- CB 108 INLET TYPE X



VICINITY MAP

NTS



AS BUILT
APPROVED BY: *[Signature]*
DATE: 12/2/84

LOCATION MAP

SCALE: 1" = 120'



- CAST-IN-PLACE PIPE REQUIREMENTS
- FOR QUALITY CONTROL DURING PLACEMENT EMPLOY AN EXPERIENCED R.C.E. OR TECHNICIAN HAVING SUITABLE C.I.P.P. EXPERIENCE.
- CONTROL CONCRETE BY MEANS OF 6" X 12" TEST CYLINDERS - MINIMUM OF 1 SET OF FOUR (4) CYLINDERS/1000 C.Y. AND NOT LESS THAN TWO (2) SETS OF CYLINDERS PER EACH DAY'S POUR.
- SUPPLYING BATCH PLANT SHALL BE INSPECTED AT THE START OF CONSTRUCTION AND NOT LESS THAN ONCE EACH WEEK THEREAFTER TO OBSERVE PLANT OPERATIONS, BATCH WEIGHTS AND OTHER CONCRETE CONTROL MEASURES.
- CONCRETE MIXES SHALL NOT HAVE LESS THAN SIX (6) BAGS OF PORTLAND CEMENT/100 C.Y. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE SHALL BE Fc=4,000 psi AT 28 DAYS
- CONCRETE MIX DESIGNS SHALL BE SUBMITTED BY CONTRACTOR FOR APPROVAL PRIOR TO START OF CONSTRUCTION.
- IF AND WHEN FLOW VELOCITY EXCEEDS 10 F.P.S. BUT NOT MORE THAN 20 F.P.S. A 140 SEGMENT OF THE C.I.P.P. INVERT SHALL BE THICKENED 2 INCHES IN WALL THICKNESS AS "SACRIFICIAL CONCRETE" TO RESIST ABRASION.
- MAXIMUM PERMISSIBLE CONCRETE JUMP SHALL BE 2'-1/2", 1'-1/2" MIN. TO 2'-1/2" MAX.
- CONTRACTOR SHALL ALLOW INSPECTOR INTO PIPE WHILE UNDER CONSTRUCTION & "POD" FOR WALL THICKNESS AT A MIN. OF 25 C.Y. OF THE POUR.
- AT THE END OF ALL POURS AND AT THE END OF EACH WORKING DAY THE CONTRACTOR SHALL INSTALL #4 DOWELS 24" LONG 12" INTO THE LAST FOUR AT 12" CENTERS AROUND THE CIRCUMFERENCE OF CAST-IN-PLACE PIPE.
- JUNCTION STRUCTURES SHOWN ON THE PLANS ARE FOR REINFORCED CONCRETE PIPE. THE FOLLOWING SUBSTITUTIONS SHALL BE MADE FOR JUNCTION STRUCTURE FOR USE WITH CAST-IN-PLACE PIPE:
A. JUNCTION STRUCTURE NO. 2 (U.S. 227) SHALL BE REPLACED WITH A TRANSITION STRUCTURE NO. 3 (U.S. 303).
- STANDARD DRAWING NO. (U.S. 227) JUNCTION STRUCTURE NO. 2 WHEN USED WITH CAST-IN-PLACE PIPE SHALL BE MODIFIED TO INCLUDE CONCRETE BACKFILL 1 FOOT OVER THE CAST-IN-PLACE PIPE.

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	APP'D
Δ	12/2/84	HLH	ADDED LATERAL C-2X & C.B. No. 7 ON ST. 29+50.00	[Signature]
Δ	12/2/84	HLH	Removed interim line & inlet as shown on sheet 1, 2, 3, 4, 5, 6	[Signature]

REVIEWS

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PHB & ASSOCIATES, INC.

CIVIL ENGINEERING SURVEYING LAND PLANNING
1670 SOUTH GRAND AVENUE
GLENDORA, CALIFORNIA 91740
(626) 914-6256/FAX (626) 914-5756

REVISIONS

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RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

GENERAL NOTES

- THE CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL IMPROVEMENTS SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT'S SPECIFICATIONS DATED SEPTEMBER 1984, AND DESIGN MANUAL STANDARD DRAWINGS DATED MAY 1971.
- ALL STATIONS REFERS TO CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED.
- STATIONING FOR LATERALS AND CONNECTOR PIPE REFER TO THE CENTERLINE INTERSECTION STATION.
- FORTY-EIGHT HOURS BEFORE EXCAVATION, CALL UNDERGROUND SERVICE ALERT 1-800-422-4133
- ALL ELEVATIONS SHOWN ARE IN FEET AND DECIMALS THEREOF BASED ON U.S.C. & G.S. DATUM.
- ELEVATIONS OF UTILITIES ARE APPROXIMATE UNLESS OTHERWISE NOTED. OPENINGS RESULTING FROM CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES TO BE ABANDONED SHALL BE SEALED WITH 6" OF CLASS "B" CONCRETE.
- STRUCTURE NO. 4 (J5-229) UNLESS OTHERWISE NOTED.
- PIPE CONNECTED TO THE MAINLINE PIPE SHALL CONFORM TO THE JUNCTION BEDDING PIPE WITH LESS THAN TWO FEET OF COVER SHALL CONFORM TO LOS ANGELES COUNTY FLOOD CONTROL DISTRICT STANDARD DRAWINGS 2-0213.3, AND 2-D177 FOR CONCRETE BACKFILL IN TRENCHES. ALL OTHER PIPE SHALL CONFORM TO RCFC & WCD STD. DWG. M815.
- "V" IS THE DEPTH OF INLET OF CATCH BASINS MEASURED FROM THE TOP OF CURB TO INVERT OF CONNECTOR PIPE.
- CATCH BASINS SHALL BE LOCATED SO THAT LOCAL DEPRESSION SHALL BEGIN AT EXISTING CURB RETURN JOINT, UNLESS OTHERWISE SPECIFIED.
- ALL CROSS-SECTIONS ARE TAKEN LOOKING DOWNSTREAM.
- ALL CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED IN KIND AND AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED.
- A SOILS INVESTIGATION DATED JULY 2001, PREPARED BY LEIGHTON & ASSOCIATES SHALL BE INCLUDED AS A PART OF THESE PLANS. ALL WORK SHALL CONFORM TO RECOMMENDATIONS AS OUTLINED IN SAID REPORT.
- TWO WORKING DAYS PRIOR TO CONSTRUCTION IN THE VICINITY OF WWD FACILITIES, CONTACT GENE PATRICIO, OPERATIONS MAINTENANCE BRANCH, AT (909) 926-1501 EXT 5809
- MODIFICATION OF WWD FACILITIES SHALL BE PERFORMED BY METROPOLITAN'S WORK FORCE.

INDEX

TITLE SHEET
PLAN AND PROFILE SHEET
LOCAL DEPRESSION DETAILS

SHEET NO.
1
2-6
3

AS BUILT

APPROVED BY: *[Signature]*
DATE: 3/1/05

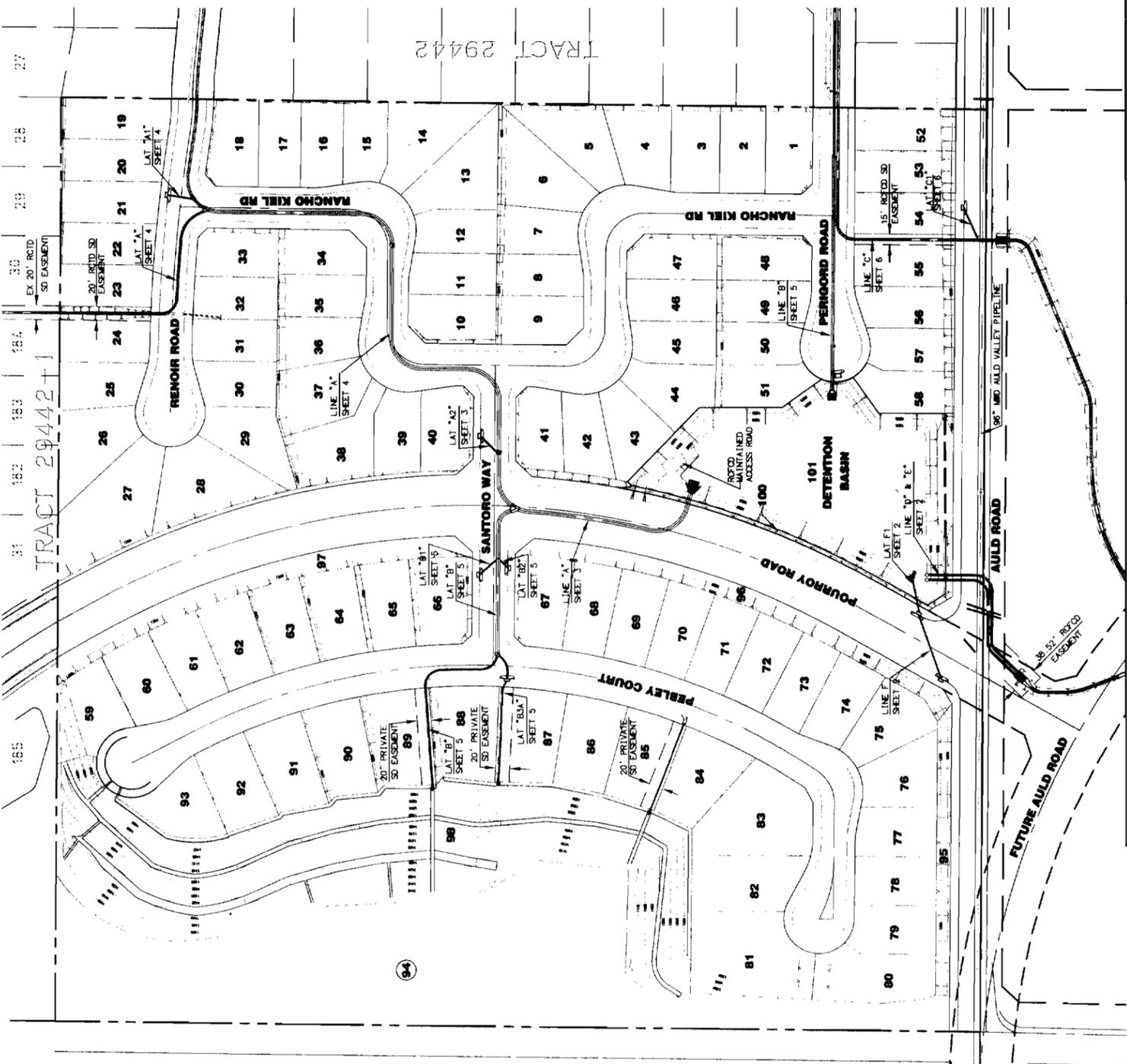
LEGEND

- 60 FINISHED CONTOUR
- (1060) EXISTING CONTOUR
- CB CATCH BASIN
- WH MANHOLE
- SD STORM DRAIN
- (EOP) EXISTING EDGE OF PAVEMENT
- R/W RIGHT OF WAY
- (W) EXISTING WATER
- ROP REINFORCED CONCRETE PIPE
- JS JUNCTION STRUCTURE
- TS TRANSITION STRUCTURE
- VIF VERIFY IN FIELD

BENCH MARK

ELEV. 1339.029
RIVERSIDE COUNTY B.M. T-48-81, 2.5" BRASS DISK IN CONC. CYLINDER LOCATED AS FOLLOWS: FROM THE INT. OF RANCHO CA. RD. & FRONT ST. 1.7 MI. NW ON FRONT ST. / JEFFERSON AVE. TO THE INT. OF JEFFERSON & WINCHESTER. RD. (HWY 78), 5.5 MILES NE ON WINCH. RD. (HWY 79) TO THE INT. OF WINCH. AND BENTON RD., 05 MI. W. ON BENTON RD TO THE BENTON/BRIGGS ROAD INT., 0.5 MI. N ON BRIGGS RD TO THE BRIGGS/THOMPSON RD INT., 200' E. OF THE INT., 22' S. OF THE C/L THOMPSON RD. NEAR THE NW COR. OF 16 x 22' CHAIN LINK FENCE ALONG SOUTHERN CAL. GAS CO. VALVES. W/RED PADDLE MARKED TO FENCE.

PROJECT NO. 7-0-1-161
DRAWING NO. 7-0-C-20-7-361
SHEET NO. 1 OF 6



NOTICE

THE CONTRACTOR SHALL NOTIFY THE DISTRICT IN WRITING A MINIMUM TWO WEEKS BEFORE BEGINNING CONSTRUCTION AND SHALL NOT BEGIN CONSTRUCTION BEFORE OBTAINING AUTHORIZATION TO PROCEED.

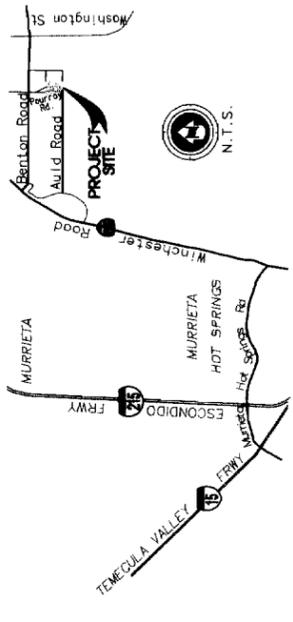
UNAUTHORIZED CHANGES & USES
CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

UNDERGROUND STRUCTURES

ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR OTHERS AND THOSE SHOWN ON THE RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE OWNER BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS URSANT HERETO AGREES TO ASSUME LIABILITY AND TO HOLD UNDER-SIGNED HARMLESS FOR ANY DAMAGE RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDER-SIGNED; NOR INDICATED ON THE PUBLIC RECORDS EXAMINED; CATED AT VARIANCE WITH THAT REPORTED AS SHOWN ON RECORDS EXAMINED. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK.

RECOMMENDED FOR APPROVAL BY: *[Signature]*
PLANNING ENGINEER
DATE: 7/15/02

APPROVED BY: *[Signature]*
CHIEF ENGINEER
DATE: 7/15/02



CONSTRUCTION NOTES AND ESTIMATED QUANTITIES		MAINTAINED BY COUNTY
NO.	DESCRIPTION OF ITEM	AMOUNT
21	INSTALL 18" ROP, CLASS IV	310
22	INSTALL 24" ROP, D-LOAD PER PROFILE	386
23	INSTALL 30" ROP, D-LOAD PER PROFILE	270
24	INSTALL 36" ROP, D-LOAD PER PROFILE	452
25	INSTALL 42" ROP, D-LOAD PER PROFILE	547
26	INSTALL 48" ROP, D-LOAD PER PROFILE	334
27	INSTALL 60" ROP, D-LOAD PER PROFILE	1287
28	INSTALL 60" CMP RISER PER DETAIL SHT. 4	2
29	CONSTRUCT HEADWALL AND WINGWALLS PER CALTRANS STD. D80	1
30	CONSTRUCT HEADWALL AND WINGWALLS PER CALTRANS STD. D86-B	1
31	CONSTRUCT HEADWALL PER CALTRANS STD. D89	1
32	INSTALL 1/4" TON RIP-RAP ON 4" AGG. BASE OVER FILTER FABRIC (LUMD PER PLAN)	60
33	CONSTRUCT MODIFIED DOUBLE HEADWALL/"L" HEADWALL PER CALTRANS STD. D89	1
36	PROTECT IN PLACE	
37	RELOCATE EXISTING POWER POLES	1
COUNTY OF RIVERSIDE STANDARD DRAWINGS		AMOUNT
34	CONSTRUCT CATCH BASIN NO. 1 PER RIV. CO. STD. CB 300	9
35	CONSTRUCT LOCAL DEPRESSION CASE C PER RIV. CO. STD 311	9
R.C.F.C.D. STANDARD DRAWINGS		AMOUNT
40	CONSTRUCT TRANSITION STRUCTURE NO. 3 PER RCFCD STD. IS 303	1
41	CONSTRUCT JUNCTION STRUCTURE NO. 2 PER RCFCD STD. JS 227	1
42	CONSTRUCT JUNCTION STRUCTURE NO. 4 PER RCFCD STD. JS 229	2
43	CONSTRUCT MANHOLE NO. 2 PER RCFCD STD. MH 252	4
44	CONSTRUCT MANHOLE NO. 4 PER RCFCD STD. MH 254	4
45	CONSTRUCT CONCRETE COLLAR PER RCFCD STD. M803	3
46	CONSTRUCT MANHOLE NO. 1 PER RCFCD STD. MH 251	1
47	CONSTRUCT INLET TYPE IX PER RCFCD CB 107	1

PLANNING ■ DESIGN ■ CONSTRUCTION

RBF CONSULTING
27555 INEZ ROAD, SUITE 400
TEMECULA, CALIFORNIA 92591-4679
909.676.8002 • FAX 909.676.7240 • WWW.RBF.COM
PREPARED BY: MICHAEL A. TYLON
EXP. DATE: 3-31-04
R.C.E. NO. 43090
DATE: 7/15/02



REVISIONS

NO.	DESCRIPTION	DATE	BY

BEARINGS FOR THIS SURVEY ARE BASED ON THE LINE BETWEEN STATIONS "TRAK" AND "MATH" (POSITIONS PER ORIGINAL GEODETIC SURVEY, NAD83, EPOCH 1995.5), AS SHOWN ON THE MAP FILED IN BOOK 102, PAGES 50 THROUGH 65 OF BOOKS OF SURVEYS IN BEING NS2-49-02-84-E.

ATTACHMENT G

IC/ID REPORTS

Riverside County Flood Control & Water Conservation District
NPDES Complaint No. 43

**Total Records for this
Complaint is 1**

Printed 9/1/2005 2:54:51 PM

Complaint No.: 43

Complaint Date: 10/25/2004

Received By: Jason Uhley

Caller Name: Edna Shank

Caller Phone: (951) 678-3605

Caller Address: ,

APN:

Complaint Address:

Wildomar,

Watershed: SM

Complaint: Noticed a construction site where heavy equipment was flooded by rains last week. She believed that the equipment may have leaked deisel fuel into Murrieta Creek. Project is near Catt Road. Edna had left a message with Art Diaz. I left message asking Edna to call me back. Also forwarded original message to Steve Dondalski.

Findings:

Actions: Forwarded call to Steve Dondalski at County B&S for action. Awaiting returned call from Edna to locate specific area where spill occurred.

Riverside County Flood Control & Water Conservation District
NPDES Complaint No. 58

Total Records for this
Complaint is 1

Printed 1/10/2005 5:13:41 PM

Complaint No.: 58

Complaint Date: 12/29/2004

Received By: Florence Mowrer

Caller Name: Dominick Grossi

Caller Phone: (951) 302-5030

Caller Address: Via Pascal,

APN:

Complaint Address: Via Pascal
Temecula, 92592

Watershed: SM

Complaint: Erosion of Via Pascal, located south, southeast of Temecula.

Findings: Complainant emailed in complaint to the Riverside County Flood Control District (RCFC). They noted that they are without a road because of a construction site. Complainant sent the District photos of the eroded road which is exposing some type of line.

Actions: Email along with the photos were sent to Steve Dondalski of Riverside County Building and Safety, (951) 955-2569.

Riverside County Flood Control & Water Conservation District
NPDES Complaint No. 75

Total Records for this
Complaint is 1

Printed 2/17/2005 10:34:17
AM

Complaint No.: 75

Complaint Date: 2/3/2005

Received By: David Ortega

Caller Name: Joe Franco

Caller Phone: (951) 674-7303

Caller Address: 21250 Palomar Street,

APN:

Complaint Address: 21250 Palomar Street
Wildomar, 92562

Watershed: SM

Complaint: Seepage of water from the street in front of caller address.

Findings: 2/3/05:D. Ortega of the Riverside County Flood Control (RCFC) went to the caller address and noticed a pooled up area of water in front of the address. The pooled up water appears to be coming from under the edge of the asphalt road and seeping on to the dirt easement. A resident at the caller address said that they had attempted "a couple of times" to block the flow of the water from going down the street. At the time of today's initial inspection, the flow of water had stopped about 150' north of Gruwell Street. No District facilities are being impacted by this complaint.

Actions: 2/3/05: D. Ortega of the RCFC took some photos on site and handed a resident at the caller address a business card to forward to Mr. Franco in case he requested more information about this complaint. 2/14/05: A copy of this complaint along with photos was forwarded to Atef Zaki (951) 955-6787 and to Paul Russell of the Riverside County Trans. Dept., (951) 955-6884, via email. 2/16/05: D. Ortega of the RCFC sent a copy of this complaint record form to Brian Black of the Riverside County Code Enforcement, (951) 955-1853 and to Alex Gann of the Riverside County Executive Office, (951) 955-1180. 2/17/05: P. Russell of the Riverside County Trans. Dept. reported that EVMWD has just repaired a leak in their line. There is still some standing water at the edge of the pavement. Trans. Dept. is scheduled to come back, fill the shoulder and regrade as soon as they can. It is reported that vehicles often pull off on to the dirt shoulder in this area which disrupts the flowline.

Riverside County Flood Control & Water Conservation District
NPDES Complaint No. 82

Total Records for this
Complaint is 1

Printed 3/15/2005 3:42:36 PM

Complaint No.: 82

Complaint Date: 1/25/2005

Received By: Florence Mowrer

Caller Name: earthmaniagirl@aol.com

Caller Phone: ()

Caller Address: ,

APN: 919082001

Complaint Address: 40600 Carmelita Circle
Temecula, 92591

Watershed: SM

Complaint: Resident at complaint address is draining their swimming pool down the stormdrain.

Findings: Complainant is reporting that the swimming pool is being drained on to the street and down the stormdrain and has been for about a week, since 1/17/05. These flows connect to Long Canyon Creek. The complainant also is reporting that the resident at the complaint address has also "backwashed" their pool filter wasteline into the stormdrain and onto her property.

Actions: This complaint was forwarded to Aldo Licitra, City of Temecula, NPDES representative (951) 694-6411. Mr. Licitra visited the complaint address after the discharge had occurred and gave a verbal warning to the resident as well as handing out educational pamphlets concerning illegal discharges to a stormdrain system. No citations were given.

Riverside County Flood Control & Water Conservation District
NPDES Complaint No. 86

Total Records for this
Complaint is 1

Printed 3/24/2005 11:11:05
AM

Complaint No.: 86

Complaint Date: 3/22/2005

Received By: David Ortega

Caller Name: Chet Panique

Caller Phone: (951) 955-6377

Caller Address: 41720 Calle Cabrillo,
APN: 951-080-013

Complaint Address: 41720 Calle Cabrillo
Temecula (Rancho California), 92592

Watershed: SM

Complaint: Significant amount of sediment running off of parcel and into a District storm drain catchment.

Findings: 3/22/05: D. Ortega of the Riverside County Flood Control (RCFC) and Mr. Panique, Code Enforcement Officer with the County of Riverside Dept. of Building & Safety met on site at the complaint address. Mr. Ortega took photos showing erosion issues on the property and sediment runoff going to a District facility, Temecula VY Butterfield Stage Rd. Both Mr. Ortega and Mr. Panique spoke to the property owner, Mr. Les Linkogle, while on site specifically for the sediment that is running off his property and into a District facility, an NPDES concern. Also about the "Erosion Control Plan" referred to Mr. Linkogle in a letter dated 1/20/05 from the Riverside County, Building & Saety Dept. The property owner said that he has not been able to get a dozer with a slopeboard to start addressing the erosion issues on the property. Mr. Panique suggested that in the interim, to set up sandbags as some kind of effort to prevent sediment from running off of the property. Later in the day, the property owner called Mr. Ortega to notify him that a dozer will be on the property by 3/25/05 to start making progress on the erosion control plan. Mr. Linkogle presented a copy of a conservation plan from the NRCS, National Resources Conservation Service, U.S. Dept. of Agriculture, to Mr. Ortega while on site. The property is due to be vineyard in the near future.

Actions: D. Ortega of the RCFC forwarded this complaint call report along with a copy the NRCS conservation plan to Mr. Panique at the Riverside County, Dept. of Building & Safety in Riverside. Mr. Ortega will go to the site in the near future to take photos of the BMP's and erosion control improvements.

Riverside County Flood Control & Water Conservation District
NPDES Complaint No. 110

**Total Records for this
 Complaint is 1**

**Printed 4/28/2005 10:14:56
 AM**

Complaint No.: 110

Complaint Date: 4/12/2005

Received By: Linda Garcia

Caller Name: Jack Martin

Caller Phone: (951) 302-1445

Caller Address: ,

APN:

Complaint Address: East Benton Road, near Tualota Creek
 Rancho California,

Watershed: SM

Complaint: Approx. 2 to 3 tons of horse manure piles being discharged along East Benton Road where it crosses Tualota Creek to De Portola Road from nearby farms and ranches.

Findings: Complainant email: kingjack2@verizon.net. Complaint area located on Thomas Guide Map page #931, A-3. A possible continuing discharge with a fecal odor. Possibly coming from Rojo Ranch, Diamond T, Tualota Farms, Hi Desert Farms and 7 Grand Oaks along E. Benton Road and De Portola Road into Tualota Creek. This discharge is not impacting a District facility. Mr. Martin, complainant, has also spoken with Brady Hill of Fish and Game, and James Wong or Juan of Army Corps.

Actions: Army Corps visited the area in January 2005 and took photos; may need to call MWD, Metropolitan Water District. This complaint was referred to Brian Black of the Riverside County Code Enforcement. L. Garcia of the Riverside County Flood Control requested that this complaint also be referred to Riverside County Enviromental Health because of manure issues.

Riverside County Flood Control & Water Conservation District
NPDES Complaint No. 111

**Total Records for this
Complaint is 1**

Printed 5/3/2005 4:14:24 PM

Complaint No.: 111

Complaint Date: 5/3/2005

Received By: Florence Mowrer

Caller Name: Jeremy Haas

Caller Phone: (858) 467-2735

Caller Address: ,

APN:

Complaint Address: Corner of Baxter Road and Meadowlark Ln.
Murrieta, 92563

Watershed: SM

Complaint: Tires, electronics, paint, construction debris, etc. being dumped on the road (possibly Meadowlark Lane) just south of Baxter Road. Material is in a creek also.

Findings: 5/3/05: The Riverside County Flood Control (RCFC) received an email and photos from Jeremy Haas, Environmental Scientist of the San Diego Regional Water Quality Control Board concerning this complaint. David Ortega of the RCFC (951) 955-4390, went to the site today and confirmed that the small creek where some of the debris has been dumped is not a District facility nor is it impacting a District facility. There are tires, 1 gallon paint containers (unknown if paint is still in the cans), batteries, wood, old insulation, concrete and debris that has been dumped on Meadowlark Lane just south of Baxter Road.

Actions: D. Ortega sent a copy of this complaint report along with photos to Farida Naceem of the City of Murrieta, Ted Ryan of the Riverside County, Dept. of Enviro. Health, HAZMAT Division and to Jeremy Hass of the SDRWQCB, Northern Watershed Protection Unit.

Riverside County Flood Control & Water Conservation District
NPDES Complaint No. 116

**Total Records for this
Complaint is 1**

**Printed 5/12/2005 12:34:19
PM**

Complaint No.: 116

Complaint Date: 5/10/2005

Received By: Linda Garcia

Caller Name: Rancho California Water District

Caller Phone: (951) 296-6965

Caller Address: 42135 Winchester Road,

APN:

Complaint Address: Calle Oso Del Oro
Murrieta,

Watershed: SM

Complaint: Reclaimed water discharge.

Findings: 5/6/05: Rancho California Water District (RCWD) contacted the State Office of Emergency Services Office concerning an approx. 450,000 gallons of reclaimed water that was discharged due to vandalism. OES Control# 05-2709. The incident location is on the side of a mountain in an unincorporated area of Riverside County, with nearest cross street of Calle Oso Del Oro and the nearest town being Murrieta. The OES report states that a tributary to Murrieta Creek has been impacted and no drinking water has been impacted by this incident.

Actions: 5/10/05: An update on the OES report. A caller with the RCWD stated that the actual amount of release has been reduced to 169,000 gallons. 5/12/05: D. Ortega of the Riverside County Flood Control (RCFC), (951) 955-4390, spoke to Mike Calvert of the RCWD today and found out that the reclaimed water discharged into the lower end of Cole Creek and then flowed into Murrieta Creek.

Riverside County Flood Control & Water Conservation District
NPDES Complaint No. 118

**Total Records for this
 Complaint is 1**

Printed 5/12/2005 4:10:02 PM

Complaint No.: 118

Complaint Date: 5/12/2005

Received By: Linda Garcia

Caller Name: Rancho California Water District

Caller Phone: ()

Caller Address: ,

APN:

Complaint Address: Wolf Valley at Camino Olite
 Temecula, 92592

Watershed: SM

Complaint: Reclaimed water discharge.

Findings: 5/12/05: Rancho California Water District contacted the States Office of Emergency Services (OES) to report a reclaimed water discharge of approx. 648,000 gallons due to a main line break. OES Control# 05-2824. The Hazardous Materials Spill Report states that the incident occurred on 5/11/05 at approx. 1715 hours at a treatment/sewage facility. Riverside County Environ. Health dept. has been notified. The report also states that there has been containment and that no drinking water has been impacted. Temecula Creek has been impacted from this incident according to the spill report.

Actions: 5/12/05: D. Ortega of the Riverside County Flood Control (RCFC) spoke briefly to Mike Calvert of the Rancho Calif. Water District, (951) 296-6965, today concerning this incident. Mr. Calvert noted that the main line was a new line in a new construction area. Also, he mentioned that the reclaimed water impacted Pechanga Creek first then flowed into Temecula Creek before confluencing with Santa Margarita River.

Riverside County Flood Control & Water Conservation District
NPDES Complaint No. 119

**Total Records for this
Complaint is 1**

**Printed 5/16/2005 12:34:32
PM**

Complaint No.: 119

Complaint Date: 5/12/2005

Received By: David Ortega

Caller Name: Imad Guirguis

Caller Phone: (951) 955-8323

Caller Address: 1955 Market Street,

APN: 921280004

Complaint Address: 28374 Felix Valdez Road
Temecula, 92592

Watershed: SM

Complaint: Business located at APN is washing their equipment and draining their water to a 4" pipe that daylight to the slopes of Murrieta Creek and causing erosion on the western side slopes.

Findings: 5/12/05: D. Ortega of the Riverside County Flood Control (RCFC) received this complaint from Mr. Guirguis, also of the RCFC. D. Ortega received an aerial photo of the business as well as a photo of the possible violation that was taken in the field. The business is named "Pauley" and is listed as Pauley Family Partnership, LTD. The facility may have an illicit connection. The photo taken in the field shows erosion of the western sand bank of the Murrieta Creek just downstream of Rancho California Road. The drain located in the outside yard may lead directly to the Murrieta Creek.

Actions: D. Ortega of the RCFC contacted Aldo Licitra, Associate Engineer/ NPDES representative for the City of Temecula. Mr. Licitra was asked to initiate an investigation of this possible NPDES violation. Mr. Licitra will be in contact with Mr. Ortega in the near future with an update on this complaint.

Riverside County Flood Control & Water Conservation District
NPDES Complaint No. 120

**Total Records for this
 Complaint is 1**

Printed 5/16/2005 2:10:13 PM

Complaint No.: 120

Complaint Date: 4/22/2005

Received By: David Ortega

Caller Name: Scott

Caller Phone: (951) 265-4134

Caller Address: ,

APN:

Complaint Address: 27338 Jefferson Avenue
 Temecula, 92591

Watershed: SM

Complaint: Painters at the Comfort Inn are washing their paint brushes down a drain in the parking lot that leads to Santa Gertrudis Creek.

Findings: 4/22/05: D. Ortega of the Riverside County Flood Control (RCFC) received this complaint via voice mail today at 1353 hours. 5/11/05: D. Ortega of the RCFC went to the complaint address to investigate the complaint. There was an obvious paint or plaster product stain on the asphalt leading from an outdoor working area to the parking lot drain. Photos were taken of the staining and of the current working area which included a burmed tarp to contain any runoff getting into the drain. D. Ortega briefly interviewed a worker from Extreme Granite (Painting and Plaster contractor) while on site today. The gentleman told Mr. Ortega that their company was fined \$50.00 last week by the City of Temecula for the old work practice on site of washing down plaster product down the storm drain; "improper containment of construction materials". The current work practice is being performed on a tarp that is burmed. The contained materials on the tarp are being pumped into 30 gallon poly trash cans. These poly drums are then emptied on a regular basis into a bin on site. The bins get picked up and hauled off for proper disposal.

Actions: 5/16/05: D. Ortega forwarded a copy of this complaint to Mr. Aldo Licitra, Associate Engineer/ NPDES representative for the City of Temecula.

Riverside County Flood Control & Water Conservation District
NPDES Complaint No. 125

Total Records for this
 Complaint is 1

Printed 7/7/2005 2:56:05 PM

Complaint No.: 125

Complaint Date: 5/19/2005

Received By: David Ortega

Caller Name: Kim Hall

Caller Phone: (951) 693-1036

Caller Address: ,

APN:

Complaint Address: Solana Way
 Temecula, 92591

Watershed: SM

Complaint: Complainant saw a welding company send a liquid from it's tanker truck into a storm drain.

Findings: 5/23/05: D. Ortega of the Riverside County Flood Control, (RCFC), spoke with the complainant today about a small tanker truck, (Calif. License plate# 536411), belonging to Valew Welding Company, (760) 246-4878, that was "spraying" what appeared to be a clear liquid into a storm drain on Solana Way between Margarita Road and Del Rey Road in the City of Temecula on 5/19/05 at about 1300 hours. The caller said that she could not tell if the liquid had any distinct odors or not. There were no photos taken of this incident. The nearest District facility that may have been impacted from this complaint is Temecula VY Avenida Vista Solana Way to Via La Vida.

Actions: 5/23/05: D. Ortega of the RCFC spoke to Aldo Licitra, Associate Engineer/ NPDES of the City of Temecula about this complaint. Mr. Licitra said that he will call Valew Welding Company to initiate an investigation of a possible NPDES violation into a District facility. 7/7/05: Mr. Licitra updated D. Ortega concerning this complaint. A representative from Valew Welding Company returned Mr. Licitra's phone call and stated that they were unaware that the field crew had generated a discharge into the MS4. A field visit could not confirm a discharge. With no more than a caller's complaint, Mr. Licitra mailed Valew Welding Company a Stormwater Pollution Prevention brochure and the City of Temecula's standard written warning that the City strictly prohibits discharges into the MS4 system.

Riverside County Flood Control & Water Conservation District
NPDES Complaint No. 146

**Total Records for this
Complaint is 1**

Printed 9/1/2005 2:57:23 PM

Complaint No.: 146

Complaint Date: 7/6/2005

Received By: Evonne Serl

Caller Name: Linda Mejia

Caller Phone: (951) 830-2728

Caller Address: 26642 Beckman Court,

APN:

Complaint Address: Cherry Street and Adams Avenue
Murrieta, 92562

Watershed: SM

Complaint: Abandoned containers of possible hazardous materials.

Findings: 7/6/05: Captain Mike Jennings, City of Murrieta Fire Dept. contacted Linda Mejia, Code Enforcement Officer for City of Murrieta about the above complaint. At approx. 1255 hours today, Ms. Mejia contacted Evonne Serl at the Riverside County Flood Control about the complaint. 1300 hours: Ms. Serl contacted David Ortega, NPDES section of the RCFC. D. Ortega spoke to Ms. Mejia and Capt. Jennings about the current situation on site. D. Ortega was told that there were about 12 or 13, 5-gallon metal containers that have Flammable Liquid labels and that the site is stable with no immediate danger to life or health. The location is "near Murrieta Creek, close to the intersection of Cherry Street and Adams Avenue in Murrieta". D. Ortega of the RCFC mobilized to the site and met with Christine Parsons of the County of Riverside, Dept. of Environ. Health. Her department took the lead of investigation of this complaint from the City of Murrieta. There are a total of 7 each, metal closed top containers with a significant level of product still inside. There are 8 each, metal closed top containers that are empty. These containers are labeled "Flammable Liquid, UN 1268, Petroleum Distillates, N.O.S." Also labeled as Racing Fuel. The containers are located .25 mile north where Cherry Street meets with Murrieta Creek and 90' east of the eastern Murrieta Creek road access. The containers appear to be intact with no spillage. 1450 hours: D. Ortega was told by J. Uhley of the RCFC that the location of the containers are on RCFC District property.

Actions: 7/6/05: County OF Riverside, HAZ-MAT performed a hazard catagorization of the liquid product in the containers and determined that it is indeed Flammable Liquid. 1455 hours: D. Ortega contacted Jeannie of Consolidated Waste Ind. (CWI), Haz-Waste removal contractor for the County of Riverside, to have the containers removed from the site for proper diosposal. 1635 hours: Feliciano Urrutia, Project Manager of CWI, arrived on site along with another crew member. The CWI crew overpacked the 7 containers with liquid product in to a total of 2 each, 55 gallon, metal open-top drums. These two drums are being sent off site today with Uniform Hazardous Waste Manifest #24460142. Transporter: Ecology Control Ind. Designated Facility for Disposal: Crosby & Overton (Long Beach, Ca.). RCRA Waste #D001. The 8 empty metal containers were packaged in to two poly bags as non-hazardous. The CWI removed all of the containers from the site and left the site at approx. 1715 hours. There was no impact to nearby Murrieta Creek with this incident.

Riverside County Flood Control & Water Conservation District
NPDES Complaint No. 147

**Total Records for this
Complaint is 1**

Printed 7/7/2005 2:47:14 PM

Complaint No.: 147

Complaint Date: 6/7/2005

Received By: David Ortega

Caller Name: David Ortega

Caller Phone: (951) 955-4390

Caller Address: 1955 Market Street,

APN:

Complaint Address: Near Santa Gertrudis Creek
Temecula, 92591

Watershed: SM

Complaint: Abandoned and empty containers of non-hazardous "Bonding/Grouting Adhesive" located just outside of the access gate to Santa Gertrudis Creek near Jefferson Avenue in Temecula.

Findings: 6/7/05: David Ortega of the Riverside County Flood Control (RCFC) noticed these containers while performing water quality sampling in the area. D. Ortega noticed that the containers appeared to be intact with no odors and no spillage.

Actions: 6/7/05: D. Ortega called and spoke to Aldo Licitra, Associate Engineer/ NPDES for the City of Temecula to have the abandoned containers removed from the site. The City of Temecula, Public Works Dept. picked up the boxes with the abandoned and empty containers today and were properly disposed of with similar waste that the City of Temecula collects. No impact to Santa Gertrudis Creek.