



#### State Water Resources Control Board

April 2, 2019

Nardy Khan Deputy Director Orange County Public Works 300 North Flower Street Santa Ana, CA 92702-4048

Dear Ms. Khan:

RE: CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION AND ORDER FOR THE ORANGE COUNTY PUBLIC WORKS (OCPW) COUNTY-WIDE LONG-TERM ROUTINE MAINTENANCE PROGRAM (SB13007IN)

Enclosed please find a CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION AND ORDER, authorized by State Water Resources Control Board Executive Director, Ms. Eileen Sobeck. This Order is issued to Orange County Public Works for OCPW County-Wide Long-Term Routine Maintenance Program (Project). Attachments A through G of the Enclosure are also part of the Order.

This Order is issued in response to an application submitted by OCPW for proposed Project discharges to waters of the state, to ensure that the water quality standards for all waters of the state impacted by the Project are met. You may proceed with your Project according to the terms and conditions of the enclosed Order.

If you require further assistance, please contact me by phone at 707-576-2665 or by email at <a href="mailto:Catherine.Woody@waterboards.ca.gov">Catherine.Woody@waterboards.ca.gov</a> You may also contact Beth Payne, Chief of the Wetlands Permitting and Planning Unit, by phone at (916) 341-5579 or email at <a href="mailto:Elizabeth.Payne@waterboards.ca.gov">Elizabeth.Payne@waterboards.ca.gov</a>

Sincerely,

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Catherine Woody, Environmental Scientist
Division of Water Quality – Wetlands Permitting and Planning Unit

OCPW County-Wide Long-Term Routine Maintenance Program

Reg. Meas. ID: 394732 Place ID: 803226

Enclosures (1): Order for Orange County Public Works County-Wide Long-Term Maintenance

Program

cc: See next page

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cc: Continued on next page

### OCPW County-Wide Long-Term Routine Maintenance Program

Reg. Meas. ID: 394732 Place ID: 803226

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#### State Water Resources Control Board

# WATER QUALITY ORDER NO. 2019-0008-EXEC CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION AND ORDER

Effective Date: April 2, 2019 Reg. Meas. ID: 394732

Place ID: 803226

**Program Type:** Fill/Excavation SWRCB ID: SB13007IN USACOE#: SPL-2012-

00817

**Project Type:** Routine Channel and Flood Control Maintenance Activities

Project: Orange County Public Works (OCPW) County-Wide Long-Term

Routine Maintenance Program – RGP 100 (Project)

**Applicant:** Orange County Public Works

Applicant Contact: Nardy Khan

**Deputy Director** 

Orange County Public Works

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Applicant's Agent: Lauren Mack

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**State Water Board** Catherine Woody

Staff: Environmental Scientist

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#### State Water Board Contact Person:

If you have any questions, please call State Water Resources Control Board (State Water Board) Staff listed above or (916) 341-5478 and ask to speak with the Water Quality Certification Unit Program Manager.

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#### I. Order

This Clean Water Act (CWA) section 401 Water Quality Certification action and Order (Order) and attachments A through G is issued at the request of Orange County Public Works (herein after Permittee) for the Project. This Order is for the purpose described in application and supplemental information submitted by the Permittee. The application was received on February 6, 2013. The application was deemed complete on November 4, 2018. Prior to receiving a complete application, State Water Board staff issued a notice of incomplete application and the Permittee responded to the request for application information on the following dates (Table 1).

Table 1: Record of Notice(s) of Incomplete Application				
Date of Notice of Incomplete Application	Date all requested information was received.			
3/5/2015	11/4/2018			

State Water Board staff requested additional information necessary to supplement the contents of the complete application and the Permittee responded to the request for supplemental information on the following dates (Table 2).

Table 2: Record of Supplemental Application Information				
Date of Request for Supplemental Information	Date all requested information was received.			
10/29/2018	12/20/2018			

Additionally, State Water Board Staff issued a Denial Without Prejudice on October 8, 2015.

#### **II. Public Notice**

The State Water Board provided public notice of the application pursuant to California Code of Regulations, title 23, section 3858 from December 27, 2013 to January 17, 2014. The State Water Board did not receive any comments during the comment period. Public notice regarding the IS/MND is described in Attachment C, CEQA Findings of Fact.

#### **III. Project Purpose**

The purpose of the project is to provide routine maintenance to Orange County Department of Public Works flood control facilities as authorized under U.S. Army Corps of Engineers (Corps) RGP 100.

#### **IV.** Project Description

This Order certifies Regional General Permit 100, issued by the Los Angeles District Army Corps of Engineers, which authorizes routine maintenance activities for 3,602 designated flood control facilities located within the Permittee's right-of-way. Flood control maintenance activities include: channel, basin, and dam maintenance (i.e., vegetation and silt removal, slope maintenance and repair); landscape maintenance, vegetation control and removal; insect and rodent control; rip-rap installation and repair; structural inspection and cleaning; removal and replacement of concrete lining; and the repair and backfill of washouts.

Bridge maintenance activities include: maintenance of channel bed, and bank in the immediate vicinity of the affected bridges; repair and cleaning of concrete bridge elements within the channel (e.g., spalled and cracked wingwalls, abutments, piers, girders and underside of deck); and cleaning and painting of steel bridge members. Attachment B provides a complete list of authorized activities.

For all maintenance activities involving a discharge of fill authorized under this Order, the discharge of fill would be limited to no more than needed to restore the facilities to their maintenance baseline condition. Maintenance baseline is a description of the physical characteristics (e.g. depth, width, length, location, configuration, or design flood capacity, etc.) of a flood control project within which maintenance activities are normally performed.

Attachment B provides a list of the facilities authorized by this Order, and information regarding those facilities.

#### V. Project Location

The Project will provide maintenance to facilities located throughout Orange County. Maps showing the Project location are found in Attachment A of this Order.

#### VI. Project Impact and Receiving Waters Information

The Project is located within the jurisdiction of the Santa Ana Regional Water Quality Control Board, and the San Diego Regional Water Quality Control Board (collectively Regional Water Boards). Project maintenance activities may occur throughout the thirteen (13) watersheds of Orange County identified in Attachment B. Receiving waters and groundwater potentially impacted by this Project are protected in accordance with the applicable water quality control plans (Basin Plan) for the regions and other plans and policies which may be accessed online at: <a href="http://www.waterboards.ca.gov/plans">http://www.waterboards.ca.gov/plans</a> policies/. The Basin Plans include water quality standards, which consist of existing and potential beneficial uses of waters of the state, water quality objectives to protect those uses, and the state and federal antidegradation policies.

#### VII. Description of Direct Impacts to Waters of the State

Direct impacts to waters of the state will result from maintenance activities, including sediment and debris removal, mechanical vegetation removal, pesticide and herbicide applications, erosion repairs, side-slope tracking and/or reshaping, landscape maintenance, structure repair and/or replacement, rip-rap and grout repair, removal and replacement of concrete channel linings, washout backfill and repair and temporary surface water diversions to facilitate maintenance and repairs. Direct impacts from pesticide and herbicides are regulated under NPDES permits and shall comply with section XIII.H.5. Maintenance activities shall be restricted to the maintenance baseline and therefore will not result in a change to as-built dimensions as listed in Attachment B.

Direct impacts to waters of the state resulting from maintenance activities that occur within the maintenance baseline shall be considered temporary under this Order. The impacts are considered temporary because maintenance is restricted to as-built dimensions of existing facilities, and because it reoccurs in response to recurring needs, including channel sediment transport and accumulation processes, vegetation control, trash and debris removal and routine repairs. Maintenance activities are designed to restore the facility to the original maintenance baseline specifications. Project impact information can be found in Table 2 of Attachment B.

Direct impacts to waters of the state resulting from maintenance activities that occur outside of the maintenance baseline may be considered either temporary or permanent impacts.

Permanent impacts to waters of the state are not authorized by this Order. The following definitions apply:

**Permanent aquatic resource impacts** are the permanent loss of aquatic resource area or resource function resulting from a discharge of dredged or fill material that changes an aquatic area to dry land or changes the bottom elevation or dimensions of a waterbody or changes the surface elevation or dimensions of a wetland.

**Temporary aquatic resource impacts** are impacts to aquatic resources from maintenance activities within the maintenance baseline (e.g. impacts necessary to maintain conveyance of floodwaters as designed) and impacts to aquatic resources outside of the maintenance baseline that are short-term (e.g., waters temporarily filled, excavated, or drained where the area of the impacted aquatic resource, including the original contours and uses, is typically restored to preproject conditions within one year of disturbance).

**Temporal loss** is the loss of resource functions and values not restored within one year of project activities.

#### VIII. Avoidance and Minimization

As described in section VII, above, Project maintenance activities will avoid permanent impacts to aquatic resources. The Avoidance and Minimization Measures listed in the Mitigated Negative Declaration are to be conducted during all maintenance activities. These measures are incorporated by reference to this Order as described in Attachment C. All steps taken to first avoid, and then minimize, impacts to waters of the state to the maximum extent practicable shall be described by the Permittee in the NOI, (Attachment D).

In addition, facilities identified in this Order (Attachment B, Table 2) were specifically selected by the Permittee because they are not expected to impact threatened or endangered species or designated critical habitat, and/or historic properties/cultural resources that may be potentially eligible for listing on the National Register of Historic Places.

#### IX. Compensatory Mitigation

No compensatory mitigation was required for permanent impacts because permanent impacts resulting in physical loss of waters are not authorized under this Order.

#### X. California Environmental Quality Act (CEQA)

On May 21, 2013, the Permittee, as lead agency, adopted an initial study/mitigated negative declaration (IS/MND) (State Clearinghouse (SCH) No. [2012111011]) for the Project and filed a Notice of Determination (NOD) at the SCH on May 22, 2013. Pursuant to CEQA, the State Water Board has made Findings of Facts (Findings) which support the issuance of this Order and are included in Attachment C.

#### XI. Petitions for Reconsideration

Any person aggrieved by this action may petition the State Water Board to reconsider this Order in accordance with California Code of Regulations, title 23, section 3867. A petition for reconsideration must be submitted in writing and received within 30 calendar days of the issuance of this Order.

#### XII. Fees Received

An application fee of \$59,000 was received on May 20, 2013. The fee amount was determined as required by California Code of Regulations, title 23, sections 3833(b)(3) and 2200(a)(3), and was calculated as category A - Fill & Excavation Discharges (fee code 84) with the dredge and fill fee calculator. An additional fee of \$71,000 based on total Project impacts was received on February 12, 2019.

#### XIII. Conditions

The State Water Board has independently reviewed the record of the Project to analyze impacts to water quality and designated beneficial uses within the watersheds of the Project. In accordance with this Order, the Permittee may proceed with the Project under the following terms and conditions:

#### A. Authorization

Upon receipt of a Notice of Applicability (NOA) from the State Water Board, the Permittee is authorized to proceed with the maintenance activities in accordance with the terms and conditions of this Order, providing that the impacts to waters of the state within each maintenance facility shall not exceed as-built dimensions and grades of existing flood control facilities. These quantities are shown in Attachment B.

#### **Reporting and Notification Requirements**

The following section details the reporting and notification types and timing of submittals. Requirements for the content of these reporting and notification types are detailed in Attachment E, including specifications for photo and map documentation during the Project. Written reports and notifications must be submitted using the Reporting and Notification Cover Sheet located in Attachment E, which must be signed by the Permittee or an authorized representative.

#### 1. Project Reporting

a. Annual Reporting: The Permittee shall submit an Annual Monitoring Report each year on September 1 of each year in which an Annual Work Plan is completed. The Annual Report shall include all applicable ongoing maintenance activities and temporary impact restoration in the Project area, as described in Attachment E, including activities completed in the last twelve (12) months. Annual reporting shall continue until a Notice of Project Complete Letter is issued to the Permittee.

#### 2. Project Status Notifications

a. Notice of Intent (NOI): To obtain coverage under this Order, the Permittee shall:

- i. On an annual basis, submit a separate and complete Draft Annual Work Plan using the NOI (Attachment D) to the State Water Board with copies to the Regional Water Board(s) where the facilities are located at least 45 days before the start of maintenance but no later than the draft Annual Work Plan due date of May 1. The NOI for the Annual Work Plan will include a table of all the planned activities across the Water Quality Control Regions for the maintenance year so that all Regional Water Boards are notified of the full scope of the maintenance planned. The Water Boards will determine if the NOI is complete for their jurisdiction within 30 calendar days of receipt and notify the applicant of the determination. Additional NOIs may be submitted as necessary during the maintenance year to the appropriate Regional Water Board(s) and State Water Board
- ii. The Permittee shall submit a Final Annual Work Plan no later than June 14 each year. Maintenance or stream category determinations for which the Water Boards' objections are unresolved within 30 days of receipt of the NOI shall be omitted from the Final Annual Work Plan.
- **iii.** When the NOI is determined to be complete, the State Water Board will verify that the specific maintenance activities identified in the NOI comply with the terms and conditions of this Order.
- iv. The State Water Board will issue either an NOA for the Final Annual Work Plan, informing the discharger that the proposed activity qualifies for authorization, or a Notice of Exclusion (NOE), which informs the discharger that the proposed activity does not qualify for Order authorization
- v. The State Water Board will issue the NOA or NOE within 60 calendar days of the receipt of the Draft Annual Work Plan, or the Permittee may proceed with the activities submitted in the Final Annual Work Plan.
- b. Request for Notice of Project Complete Letter: The Permittee shall submit a Request for Notice of Project Complete Letter when construction and/or any post-construction monitoring is complete, and no further Project activities will occur. This request shall be submitted to State Water Board staff within thirty (30) days following completion of all Project activities. Upon approval of the request, the State Water Board staff shall issue a Notice of Project Complete Letter to the Permittee which will end the post discharge monitoring period and associated annual fees.

<sup>&</sup>lt;sup>1</sup> Completion of post-construction monitoring shall be determined by State Water Board staff and shall be contingent on successful attainment of restoration and mitigation performance criteria.

**3. Conditional Notifications and Reports:** The following notifications and reports are required as appropriate.

#### a. Accidental Discharges of Hazardous Materials<sup>2</sup>

Following an accidental discharge of a reportable quantity of a hazardous material, sewage, or an unknown material, the following applies (Wat. Code, § 13271):

- As soon as (A) Permittee has knowledge of the discharge or noncompliance,
   (B) notification is possible, and (C) notification can be provided without substantially impeding cleanup or other emergency measures then:
  - first call 911 (to notify local response agency)
  - then call Office of Emergency Services (OES) State Warning Center at: (800) 852-7550 or (916) 845-8911
  - Lastly follow the required OES procedures as set forth in: <a href="http://www.caloes.ca.gov/FireRescueSite/Documents/CalOES-Spill Booklet Feb2014 FINAL BW Acc.pdf">http://www.caloes.ca.gov/FireRescueSite/Documents/CalOES-Spill Booklet Feb2014 FINAL BW Acc.pdf</a>
- **ii.** Following notification to OES, the Permittee shall notify State Water Board, as soon as practicable (ideally within 24 hours). Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.
- **iii.** Within five (5) working days of notification to the State Water Board, the Permittee must submit an Accidental Discharge of Hazardous Material Report.
- b. Violation of Compliance with Water Quality Standards: The Permittee shall notify the State Water Board of any event causing a violation of compliance with water quality standards. Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.
  - i. Examples of noncompliance events include: lack of storm water treatment following a rain event, discharges causing a visible plume in a water of the state, and water contact with uncured concrete.
  - **ii.** This notification must be followed within three (3) working days by submission of a Violation of Compliance with Water Quality Standards Report.

#### c. In-Water Work

i. The Permittee shall notify the State Water Board at least forty-eight (48) hours prior to initiating work in water or stream diversions. Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.

<sup>&</sup>lt;sup>2</sup> "Hazardous material" means any material that, because of its quantity, concentration, or physical or chemical characteristics, poses a significant present or potential hazard to human health and safety or to the environment if released into the workplace or the environment. "Hazardous materials" include, but are not limited to, hazardous substances, hazardous waste, and any material that a handler or the administering agency has a reasonable basis for believing that it would be injurious to the health and safety of persons or harmful to the environment if released into the workplace or the environment. (Health & Saf. Code, § 25501.)

ii. Within three (3) working days following completion of work in water or stream diversions, an In-Water Work/Diversions Water Quality Monitoring Report must be submitted to State Water Board staff.

#### d. Modifications to Project

Project modifications may require an amendment of this Order. The Permittee shall give advance notice to State Water Board staff if Project implementation as described in the application materials is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority by submitting a Modifications to Project Report. The Permittee shall inform State Water Board staff of any Project modifications that will interfere with the Permittee's compliance with this Order. Notification may be made in accordance with conditions in the certification deviation section of this Order.

- **e.** Transfer of Property Ownership: This Order is not transferable in its entirety or in part to any person or organization except after notice to the State Water Board in accordance with the following terms:
  - i. The Permittee must notify the State Water Board of any change in ownership or interest in ownership of the Project area by submitting a Transfer of Property Ownership Report. The Permittee and purchaser must sign and date the notification and provide such notification to the State Water Board at least 10 days prior to the transfer of ownership. The purchaser must also submit a written request to the State Water Board to be named as the permittee in a revised order.
  - **ii.** Until such time as this Order has been modified to name the purchaser as the permittee, the Permittee shall continue to be responsible for all requirements set forth in this Order.
- f. Transfer of Long-Term BMP Maintenance: If maintenance responsibility for post-construction BMPs is legally transferred, the Permittee must submit to the State Water Board a copy of such documentation and must provide the transferee with a copy of a long-term BMP maintenance plan that complies with manufacturer or designer specifications. The Permittee must provide such notification to the State Water Board with a Transfer of Long-Term BMP Maintenance Report at least 10 days prior to the transfer of BMP maintenance responsibility.

#### B. Water Quality Monitoring

- 1. **General:** If surface water is present, continuous visual surface water monitoring shall be conducted to detect accidental discharge of construction related pollutants (e.g. oil and grease, turbidity plume, or uncured concrete).
- 2. Accidental Discharges/Noncompliance: Upon occurrence of an accidental discharge of hazardous materials or a violation of compliance with a water quality standard, State Water Board staff may require water quality monitoring based on the discharge constituents and/or related water quality objectives and beneficial uses.
- **3. In-Water Work or Diversions:** For projects involving planned work in water or stream diversions, a water quality monitoring plan shall be submitted to State Water Board staff

for acceptance at least 30 days in advance of any discharge to the affected water body. For discharges, within the Santa Ana Regional Water Board's jurisdiction, the applicant shall comply with the General Waste Discharge Requirements for Discharges to Surface Waters that Pose an Insignificant (De Minimus) Threat to Water Quality (Order No., R8-2015-0004, NPDES No. CAG 998001) as issued by the Santa Ana Regional Water Board. Water quality monitoring shall be conducted in accordance with the approved plan.

4. Post-Construction: Visually inspect the Project site at least once during the rainy season (October 1 to April 30) until a Project Complete Letter is issued by the State Water Board to ensure excessive erosion, stream instability, or other water quality pollution is not occurring in or downstream of the Project site. If water quality pollution is occurring, contact the State Water Board staff member overseeing the Project within three (3) working days. The State Water Board may require the submission of a Violation of Compliance with Water Quality Standards Report. Additional permits may be required to carry out any necessary site remediation.

#### C. Standard

- 1. This Order is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to Water Code section 13330, and California Code of Regulations, title 23, chapter 28, Article 6 commencing with section 3867. Additionally, the State Water Board reserves the right to suspend, cancel, or modify and reissue this Order, after providing notice to the Permittee, if the State Water Board determines that: the Project fails to comply with any of the conditions of this Order; or, when necessary to implement any new or revised water quality standards and implementation plans adopted or approved pursuant to the Porter-Cologne Water Quality Control Act (Wat. Code, § 13000 et seq.) or federal Clean Water Act section 303 (33 U.S.C. § 1313). For purposes of Clean Water Act section 401(d), the condition constitutes a limitation necessary to assure compliance with water quality standards and appropriate requirements of state law.
- 2. This Order is not intended and shall not be construed to apply to any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license, unless the pertinent certification application was filed pursuant to subsection 3855(b) of chapter 28, title 23 of the California Code of Regulations, and that application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
- **3.** This Order is conditioned upon total payment of any fee required under title 23 of the California Code of Regulations and owed by the Permittee.
- 4. In the event of any violation or threatened violation of the conditions of this Order, the violation or threatened violation shall be subject to any remedies, penalties, process, or sanctions as provided for under state and federal law. For purposes of Clean Water Act, section 401(d), the applicability of any state law authorizing remedies, penalties, processes, or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this Order.

#### D. General Compliance

1. Failure to comply with any condition of this Order shall constitute a violation of the Porter-Cologne Water Quality Control Act and the Clean Water Act. The Permittee and/or discharger may then be subject to administrative and/or civil liability pursuant to Water Code section 13385.

- 2. Permitted actions must not cause a violation of any applicable water quality standards, including impairment of designated beneficial uses for receiving waters as adopted in the Basin Plans by any applicable Regional Water Board or any applicable State Water Board (collectively Water Boards) water quality control plan or policy. The source of any such discharge must be eliminated as soon as practicable.
- 3. In response to a suspected violation of any condition of this Order, the State Water Board may require the holder of this Order to furnish, under penalty of perjury, any technical or monitoring reports the Water Boards deem appropriate, provide that the burden, including costs, of the reports shall bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports. The additional monitoring requirements ensure that permitted discharges and activities comport with any applicable effluent limitations, water quality standards, and/or other appropriate requirement of state law.
- **4.** The Permittee must, at all times, fully comply with engineering plans, specifications, and technical reports submitted to support this Order; and all subsequent submittals required as part of this Order. The conditions within this Order and Attachments supersede conflicting provisions within Permittee submittals.
- 5. This Order and all of its conditions contained herein continue to have full force and effect regardless of the expiration or revocation of any federal license or permit issued for the Project. For purposes of Clean Water Act, section 401(d), this condition constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements of state law.
- **6.** The Permittee shall adhere to all requirements in the mitigation monitoring and reporting program (MMRP) (include title and date of MMRP) which is incorporated herein by reference and any additional measures as outlined in Attachment C, CEQA Findings of Fact.
- 7. Construction General Permit Requirement: The Permittee shall maintain compliance with conditions described in, and required by, NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order No. 2009-0009-DWQ; NPDES No. CAS000002).

#### E. Administrative

- **1.** Signatory requirements for all document submittals required by this Order are presented in Attachment G of this Order.
- 2. This Order does not authorize any act which results in the taking of a threatened, endangered or candidate species or any act, which is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish & G. Code, §§ 2050-2097) or the federal Endangered Species Act (16 U.S.C. §§ 1531-1544).

If a "take" will result from any act authorized under this Order held by the Permittee, the Permittee must obtain authorization for the take prior to any construction or operation of the portion of the Project that may result in a take. The Permittee is responsible for meeting all requirements of the applicable endangered species act for the Project authorized under this Order.

- 3. The Permittee shall grant State Water Board staff, Santa Ana and San Diego Regional Water Board staffs, or an authorized representative (including an authorized contractor acting as a Water Board representative), upon presentation of credentials and other documents as may be required by law, permission to:
  - **a.** Enter upon the Project or compensatory mitigation site(s) premises where a regulated facility or activity is located or conducted, or where records are kept.
  - **b.** Have access to and copy any records that are kept and are relevant to the Project or the requirements of this Order.
  - **c.** Inspect any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order.
  - d. Sample or monitor for the purposes of assuring Order compliance.
- **4.** A copy of this Order, the NOI, and the NOA shall be provided to any consultants, contractors, and subcontractors working on the Project. Copies of this Order shall remain at the Project site for the duration of this Order. The Permittee shall be responsible for work conducted by its consultants, contractors, and any subcontractors.
- **5.** A copy of this Order, the NOI, and the NOA must be available at the Project site(s) during construction for review by site personnel and agencies. All personnel performing work on the Project shall be familiar with the content of this Order and its posted location at the Project site.

#### F. Construction

Best Management Practices, including the Avoidance and Minimization measures listed in the Project MND, shall be followed to protect water quality from fill and/or excavation impacts. If applicable, the following conditions apply to each flood control facility authorized by the Order:

- 1. Construction material, debris, rubbish, spoils, soil, silt, sawdust, rubbish, steel, welding slag, welding rods, waste material, waste containers, other organic or earthenmaterial, or any other substances which could be detrimental to water quality or hazardous to aquatic life that is discharged as a result of project related activities shall be prevented from entering waters of the state.
- 2. The limits of project disturbance must be clearly identified in the field prior to start of maintenance activities within a water of the state. Such identification must be properly maintained until maintenance is completed and the area has been stabilized. Equipment, materials, or any other substances or activities that may impact waters of the state outside of the limits of project disturbance are prohibited.
- **3.** Environmentally sensitive areas and environmentally restricted areas must be delineated for exclusion prior to the start of maintenance activities.

4. Activities permitted under this Order shall not discharge substances in concentrations toxic to human, plant, animal, or aquatic life of that produce detrimental physiological responses.

- 5. Discharge of unset cement, concrete, grout, damaged concrete spoils, or water that has contacted uncured concrete or cement, or related washout to surface waters, ground waters, or land is prohibited. If concrete washout is necessary at a site, washout containment to prevent any discharge shall be used. Wastewater may only be disposed by delivery to a sanitary waste water collection system/facility (with authorization from the facility's owner or operator) or a properly licensed disposal or reuse facility
- 6. Maintenance activities involving sandblasting shall be conducted only with adequate means of containment in place to capture used blasting sand and prevent discharges of the sand to waters of the state. Sandblasting BMPs, including blast sand disposal methods, shall be described in the NOIs.
- 7. Maintenance activities involving pressure washing shall be conducted only with adequate means of containment in place to capture spent wash water and prevent discharges of spent wash water to waters of the state. Wash water treatment and disposal BMPs shall be described in the NOIs.
- 8. Appropriate BMPs must be implemented throughout project activities to prevent and control leaks/spills/drainage of potentially hazardous materials, such as: petroleum lubricants, fluids and fuels; non-petroleum lubricants, fluids and fuels such as non- petroleum hydraulic fluid; cured and uncured cements; epoxies, paints and other protective coating materials; cement, concrete or asphalt concrete, and washings and cuttings thereof.
- 9. Maintenance activities authorized under this Order shall not discharge waste classified as "hazardous" as defined in California Code of Regulations title 22, section 66261 and Water Code section 13173. Appropriate BMPs for hazardous substances shall be included in project plans provided in the NOI. These BMPs shall include, at a minimum:
  - **a.** All personnel handling fuels and other hazardous materials shall be properly trained.
  - **b.** Adequate spill prevention and cleanup equipment and materials shall be present on site at all times during maintenance implementation
  - **c.** All mechanized equipment shall be maintained in good operating order and inspected on a regular basis.
  - **d.** All on-site fuel trucks or fuel containers shall be stored in an area where risk of contamination of water bodies by leaks or spills inminimized.
  - **e.** All equipment shall be fueled, maintained, and/or parked overnight in an upland area outside of waters of the state.
  - **f.** Hazardous materials, including chemicals, fuels, and lubricating oils, shall not be stored within 100 feet of any waters of the state and shall be stored in appropriate containers with appropriate secondary containment.

**g.** Pumps or other stationary equipment operating within 100 feet of a water of the state shall utilize secondary containment systems to prevent spills.

- **h.** Any spills or leaks of hazardous materials, chemicals, fuels, lubricants, or any other potential pollutants shall be promptly and completely treated using appropriate material and equipment.
- **10.** Spill containment supplies shall be on site in all work areas in sufficient quantities to allow immediate remediation of fuel, oil, hydraulic fluid or similar leaks or spills
- **11.** A staging area for equipment and vehicle fueling and storage shall be designated outside of waters of the state, in a location where fluids or accidental discharges cannot flow into waters of the state.

#### **Sediment Control**

1. Use of any new or expanded stream channel or bank armor or artificial structural components placed to prevent channel or bank erosion or movement shall be avoided where possible and minimized when unavoidable and shall be designed so that hydrology of the project area and the affected channel, upstream and downstream, is not adversely affected.

#### G. Resource Protection

1. For all category 2 and category 3 channels (as described in below), a qualified biologist shall mark the authorized maintenance area to designate the limits of disturbance. No vegetation removal is authorized outside of the marked area and no construction debris, equipment, or soils shall be placed outside of the marked area. The Permittee shall submit a report by a qualified biologist verifying the presence/absence of threatened or endangered species within or adjacent (within 500 feet) to the sites proposed for maintenance and shall determine the channel Category. The qualified biologist will describe the rationale for the Category determination and any additional protections, limitations or conditions required for the activity. The report shall also include a pre- disturbance site survey of all Category 3 facilities, based on the classification criteria below, to show that the facility has not developed conditions suitable to support threatened or endangered habitat.

Category 1: This classification includes existing concrete-lined (concrete bed and banks) channels with sparse or no vegetation cover. Sparse means no more than 20% of the total vegetation cover within the channel can be native; for example, if total cover equals 60%, native vegetation must be less than or equal to 12%. Prior to maintenance activities, the Permittee shall mark the authorized maintenance area to identify the limits of disturbance. Vegetation must not include trees, non-native or native, over 3 inches in diameter at breast height (DBH).

**Category 2:** Channels that are in all respects as defined under Category 1, except they possess either an earthen or un-grouted rip-rap bank or earthen or un-grouted rip-rap channel bottom.

**Category 3:** Channels that are in all respects defined under Category 2, except native vegetation exceeds the limitations of Category 1 and 2.

**Category 4:** Channels that support native riparian vegetation or other suitable habitat for sensitive species, or adjacent to suitable habitat for sensitive species are not authorized under this Order.

**2.** Vegetation removal within the maintenance baseline, after appropriate biological surveys, shall meet the following requirements:

Category 1 channels may be cleared of all vegetation.

Category 2 channels may be cleared of vegetation as follows:

- a. Vegetation removal in the Category 2 channels shall be conducted in a non- continuous manner, as feasible, allowing small patches of inchannel vegetation to persist provided it will not adversely affect conveyance capacity.
- b. When vegetation removal is deemed necessary, mowing and/or trimming of vegetation, or herbicide treatment if necessary, in this channel category shall be done whenever practicable to maintain soil stability.
- c. Permittee shall avoid removal of emergent herbaceous vegetation on the channel bottom that is rooted in or near the low flow channel or a pond to provide cover for aquatic wildlife, where feasible. Native nonwoody vegetation that does not interfere with designed flood control capacity shall be allowed to grow between sediment removal activities within Category 2 channels. If necessary to alleviate flood risk between sediment removal activities, native non-woody vegetation may be cut down to a level above the water line or root zone.
- **d.** No living native vegetation with a diameter at breast height more than 3 inches above the maintenance baseline shall be removed or damaged without prior consultation and approval from the agencies to prevent loss of vegetation that could result in violation of water quality standards.

Category 3 channels may be cleared of vegetation as follows:

- **a.** Vegetation removal requirements shall be in all respects like Category 2 with the additional requirements cited here.
- b. Native vegetation removed from Class 3 channels shall not exceed the minimum necessary to complete the identified activities for each maintenance activity. Appropriate precautions shall be taken to avoid inadvertent damage to native vegetation by people or equipment.
- **c.** Native vegetation removal shall be subject to appropriate restoration, maintenance, and monitoring requirements applicable to temporary impacts (i.e., see section G "Mitigation for TemporaryImpacts").
- **3.** No living native vegetation within the bed, bank, or channel above the maintenance baseline shall be permanently removed.

4. Maintenance activities consisting solely of vegetation mowing activity that does not discharge waste into a channel are not subject to coverage under this order

5. Any herbicide spraying activity shall be conducted in compliance with the Statewide General National Pollutant Discharge Elimination System (NPDES) Permit for Residual Aquatic Pesticide Discharges to Waters of the United States from Algae and Aquatic Weed Control Applications (Water Quality Order No. 2013-0002-DWQ; General Permit No. CAG990005) (Pesticide General Permit). If the Permittee wishes to continue an activity regulated by the Pesticide General Permit after the November 30, 2018 expiration date, the Permittee must apply for and obtain authorization as required by the new permit. (40 C.F.R. §122.41(b).)

#### H. Mitigation for Temporary Impacts

- 1. The Permittee shall restore all areas of temporary impacts to waters of the state. Permanent removal of native vegetation that does not comply with the definition of sparse native vegetation insection XIII.H.1 is not authorized under this Order. Restoration shall be implemented at a 1:1 acreage ratio, as described in an approved restoration plan. A restoration plan for the scheduled facility maintenance areas shall be submitted to the State Water Board with the NOI, as described in Attachment D "Notice of Intent." The Permittee shall provide annual monitoring reports for restoration areas if required by the Water Boards, in accordance with conditions set forth in Attachment E.
- 2. Restoration and revegetation shall include replacement planting and seeding of native plant species that were damaged or removed during permitted maintenance activities. Plantings are not limited to those species present in the project area before the maintenance activity and may include species compatible with existing riparian vegetation in the work area.
- **3.** An Annual Mitigation and Monitoring report for temporary impacts shall be submitted which includes the following:
  - **a.** Identification of specific maintenance site boundaries and time period at each site for which the monitoring report is applicable;
  - **b.** A list of names, titles, and employers of persons responsible for the content of the annual report and persons who conducted monitoring activities:
  - c. Monitoring data, statistics, and graphs:
  - **d.** Survival, percent cover, and height of tree and shrub species;
  - **e.** Methods used to assess these parameters;
  - f. Number by species of plants replaced;
  - **g.** Progress photographs taken from the same vantage point as baseline photographs; and
  - h. Details of any remedial maintenance to be performed.
- **4.** The State Water Board may extend the monitoring period beyond requirements of the restoration plan upon a determination by State Water Board Executive Director that the performance standards have not been met or are not likely to be met within the monitoring period.

5. If restoration of temporary impacts to waters of the state is not completed within three hundred sixty-five (365) days of the impacts, compensatory mitigation may be required to offset temporal loss of waters of the state. However, the Water Boards may determine on a project-specific basis that specific timeframes for restoration must be imposed to avoid temporal loss which would otherwise be included in permanent loss. Additionally, the Water Boards may determine on a project-specific basis that restoration time frames may be extended based on specific site conditions.

#### I. Certification Deviation

- 1. Minor modifications of Project locations or predicted impacts may be necessary as a result of unforeseen field conditions, necessary engineering re-design, construction concerns, or similar reasons. Some of these prospective Project modifications may have impacts on water resources. Some modifications of Project locations or predicted impacts may qualify as Certification Deviations as set forth in Attachment F. For purposes of this Certification, a "Certification Deviation" is a Project locational or impact modification that does not require an immediate amendment of the Order, because the State Water Board has determined that any potential water resource impacts that may result from the change are sufficiently addressed by the Order conditions and the CEQA Findings. After the termination of construction, this Order will be formally amended to reflect all authorized Certification Deviations and any resulting adjustments to the amount of water resource impacts and required compensatory mitigation amounts.
- 2. A Project modification shall not be granted a Certification Deviation if it warrants or necessitates changes that are not addressed by the Order conditions or the CEQA environmental document such that the Project impacts are not addressed in the Project's environmental document or the conditions of this Order. In this case a supplemental environmental review and different Order will be required.

#### XIV. Water Quality Certification

I hereby issue the Order for the Orange County Public Works County-Wide Long Term Routine Maintenance Program authorized under U.S. Army Corps of Engineers RGP 100, SB13007IN certifying that as long as all of the conditions listed in this Order are met, any discharge from the referenced Project will comply with the applicable provisions of Clean Water Act sections 301 (Effluent Limitations), 302 (Water Quality Related Effluent Limitations), 303 (Water Quality Standards and Implementation Plans), 306 (National Standards of Performance), and 307 (Toxic and Pretreatment Effluent Standards)and approves the mitigation monitoring and reporting program (MMRP) for County of Orange Flood Control District County-Wide Long-Term Routine Maintenance Permitting Program dated February 8, 2013) for the Project.

The State Water Board will file a Notice of Determination (NOD) at the SCH within five (5) working days of issuance of this Order. This discharge is also regulated pursuant to State Water Board Water Quality Order No. 2003-0017-DWQ which authorizes this Order to serve as Waste Discharge Requirements pursuant to the Porter-Cologne Water Quality Control Act (Wat. Code, § 13000 et seq.).

Except insofar as may be modified by any preceding conditions, all Order actions are contingent on: (a) the discharge being limited and all proposed mitigation being completed in strict compliance with the conditions of this Order and the attachments to this Order; and, (b) compliance with all applicable requirements of Statewide Water Quality Control Plans and

Policies, the Regional Water Boards' Water Quality Control Plans and Policies.

Eileen Sobeck

**Executive Director** 

Attachment A Project Maps

Attachment B Authorized Activities, As-Built Dimensions and Facilities Information

Attachment C CEQA Findings

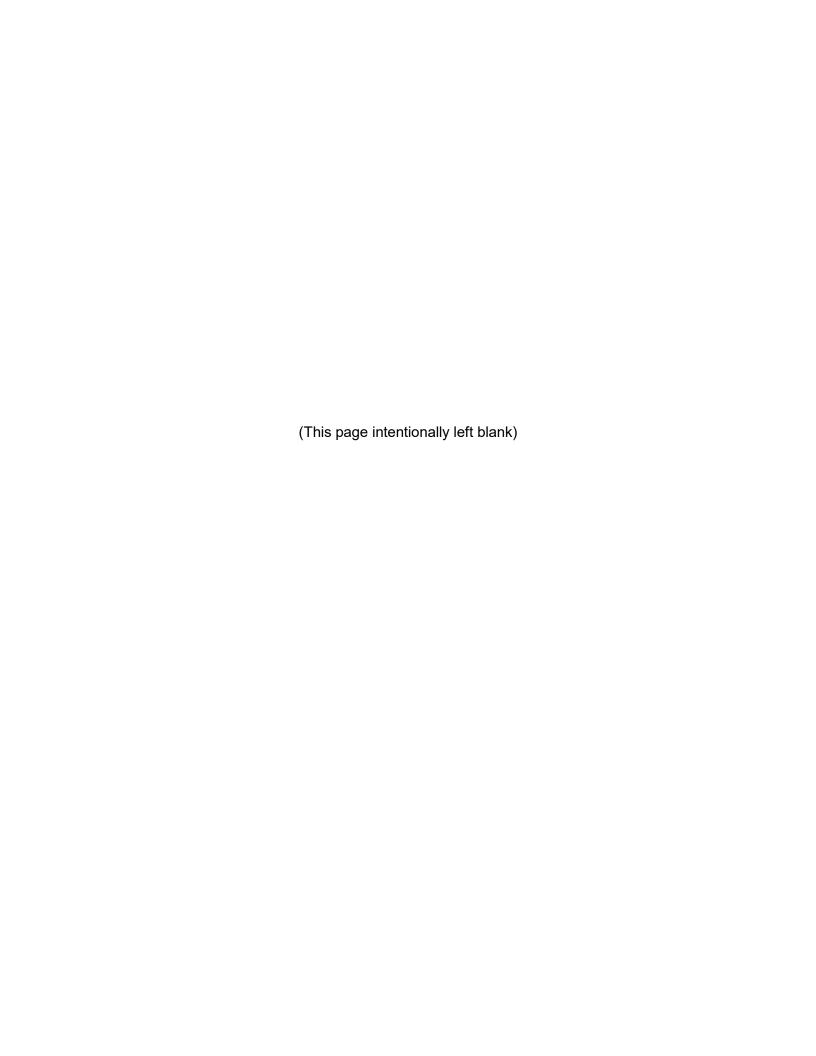
Attachment D1 Notice of Intent Instructions

Attachment D2 Notice of Intent Form
Attachment E Reporting Requirements

**Attachment F** Certification Deviation Requirements

**Attachment G** Signatory Requirements

# Attachment A Project Maps



### Maps and Information provided by Orange County and are not to scale

Exhibit 3-1: Regional Vicinity

Exhibit 3-2: Site Vicinity

Exhibit 3-4: Project Site

Exhibit 3-5a: Project Site - Quad 1

Exhibit 3-5b: Project Site - Quad 2

Exhibit 3-5c: Project Site - Quad 3

Exhibit 3-5d: Project Site - Quad 4

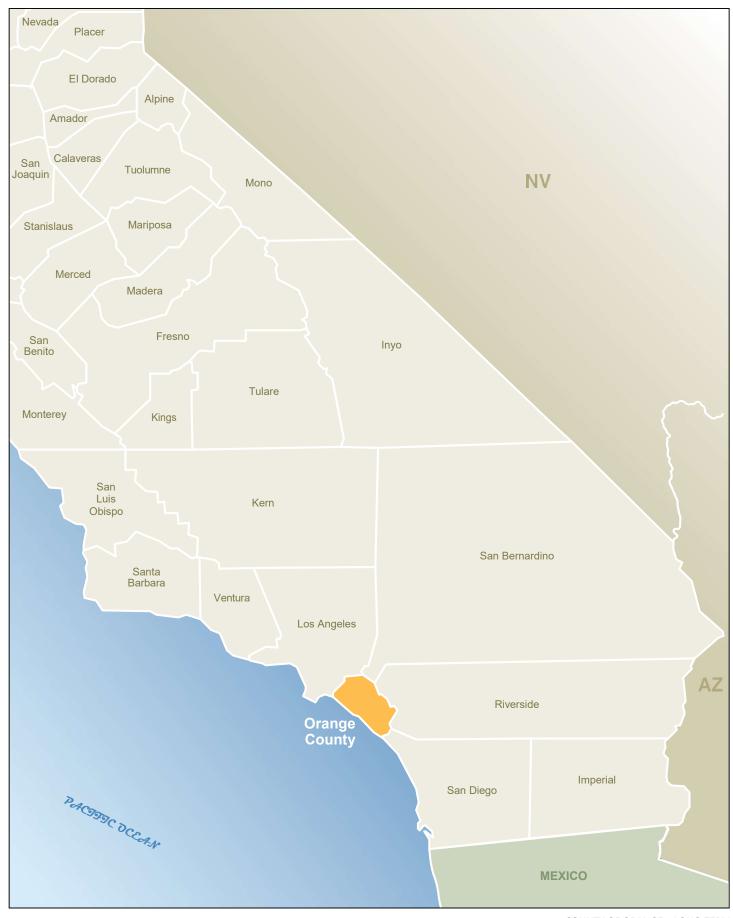
Exhibit 3-5e: Project Site - Quad 5

Exhibit 3-5f: Project Site - Quad 6

Exhibit 3-5g: Project Site - Quad 7

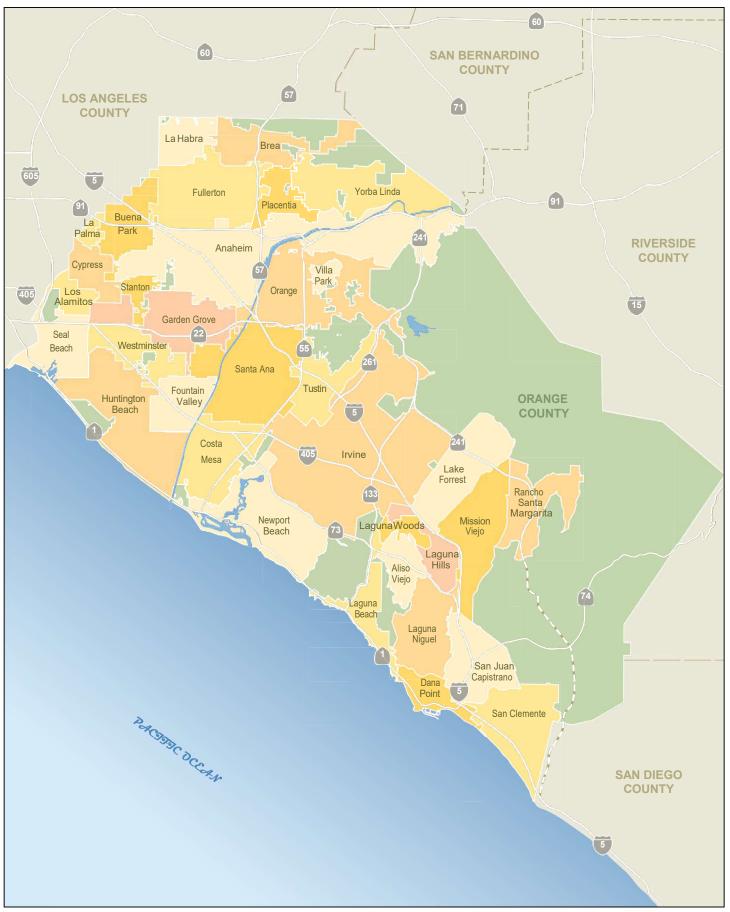
Exhibit 3-5h: Project Site - Quad 8

Exhibit 3-5i: Project Site – Quad 9







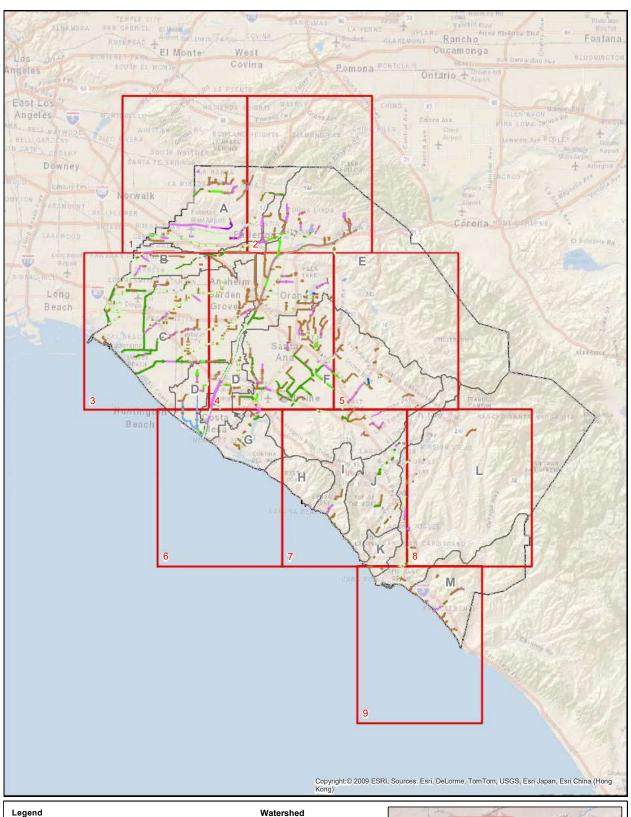






COUNTY OF ORANGE • LONG-TERM MAINTENANCE PROGRAM

**Site Vicinity** 





#### A - Coyote Creek B - Carbon Creek

C - Westminister

D - Talbert

E - Santa Ana River F - San Diego Creek

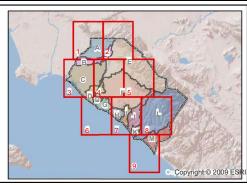
G - Newport Bay

H - Newport Coast I - Laguna Canyon

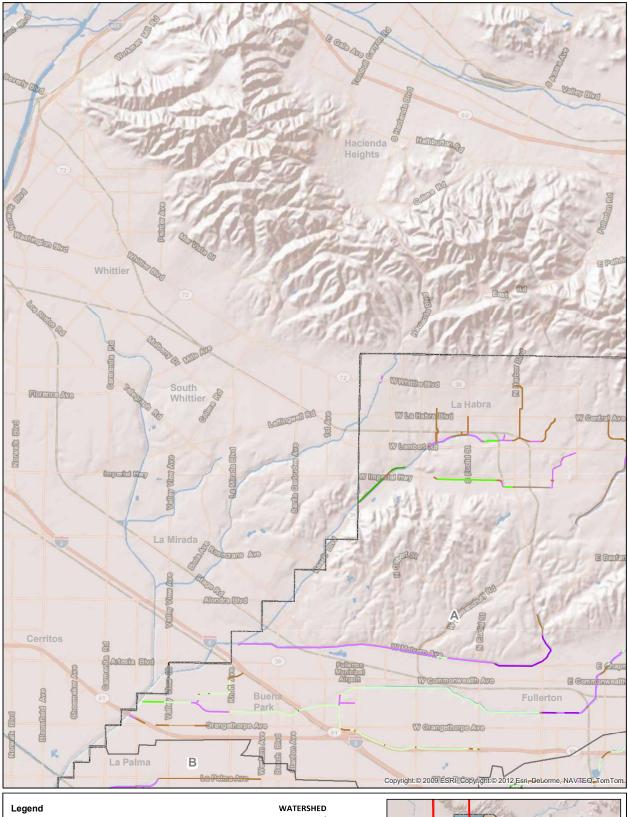
J - Aliso Creek K - Salt Creek

L - San Juan Creek

M -San Clemente

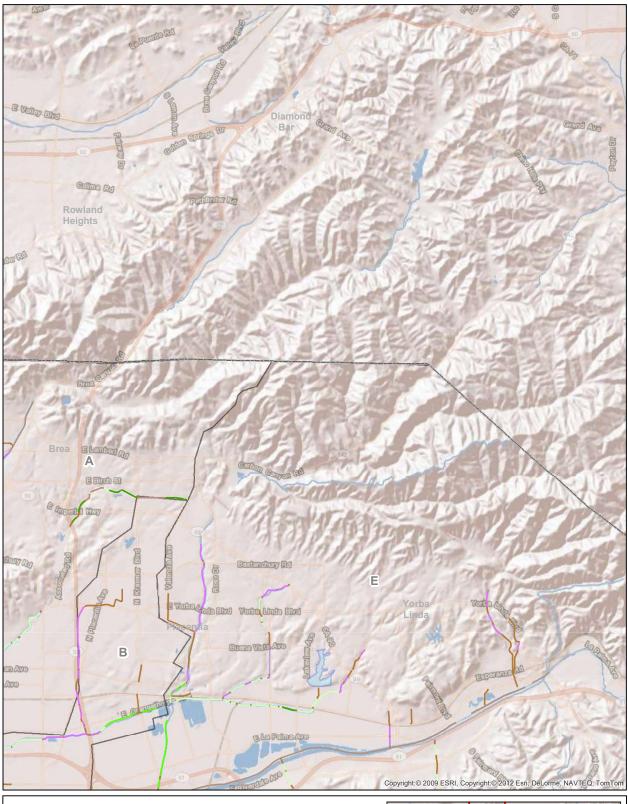






#### A - Coyote Creek Channel Type, Channel Slope Type, Channel Bottom Type B - Carbon Creek Concrete Box/Pipe, Concrete, Concrete C - Westminster Metal Sheet Channel, Concrete, Concrete D - Talbert Metal/Steel Pipe, Concrete, Concrete E - Santa Ana River Rectangle, Concrete, Concrete F - San Diego Creek Rectangle, Concrete, Earthen G - Newport Bay Trapezoidal, Concrete, Concrete H - Newport Coast Trapezoidal, Concrete, Earthen I - Laguna Canyon Trapezoidal, Earthen, Earthen J - Aliso Creek Trapezoidal, Riprap, Concrete K - Salt Creek Trapezoidal, Riprap, Earthen L - San Juan Creek Copyright:© 2009 ESRI Dams/Reservoirs/Basins M -San Clemente

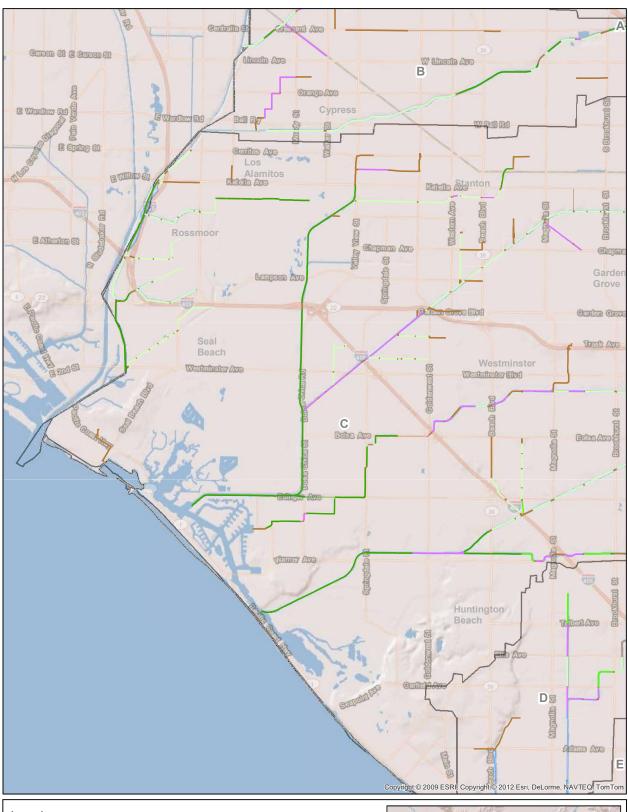




#### WATERSHED Legend A - Coyote Creek Channel Type, Channel Slope Type, Channel Bottom Type B - Carbon Creek Concrete Box/Pipe, Concrete, Concrete C - Westminster Metal Sheet Channel, Concrete, Concrete D - Talbert Metal/Steel Pipe, Concrete, Concrete E - Santa Ana River Rectangle, Concrete, Concrete F - San Diego Creek Rectangle, Concrete, Earthen G - Newport Bay Trapezoidal, Concrete, Concrete H - Newport Coast Trapezoidal, Concrete, Earthen I - Laguna Canyon Trapezoidal, Earthen, Earthen J - Aliso Creek Trapezoidal, Riprap, Concrete K - Salt Creek Trapezoidal, Riprap, Earthen L - San Juan Creek Copyright:© 2009 ESRI Dams/Reservoirs/Basins M -San Clemente







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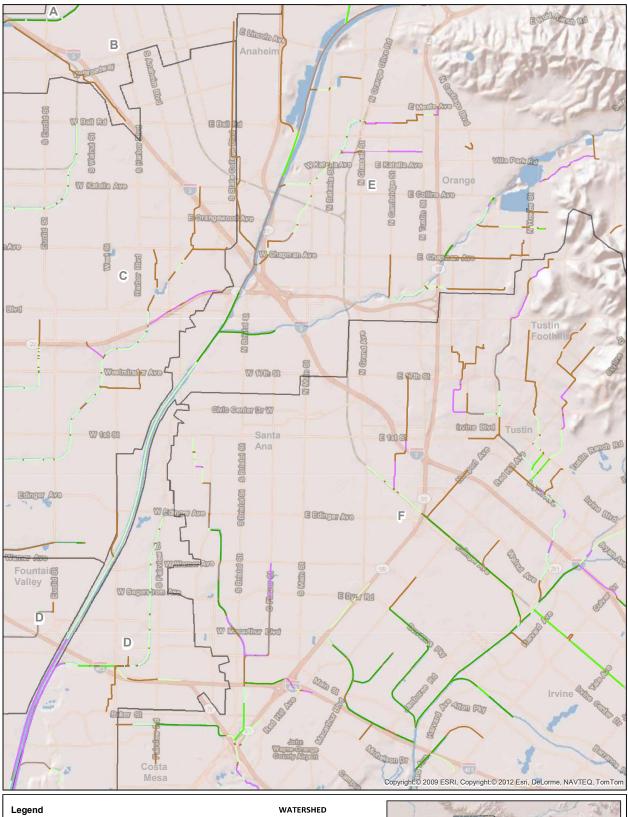




Trapezoidal, Riprap, Earthen

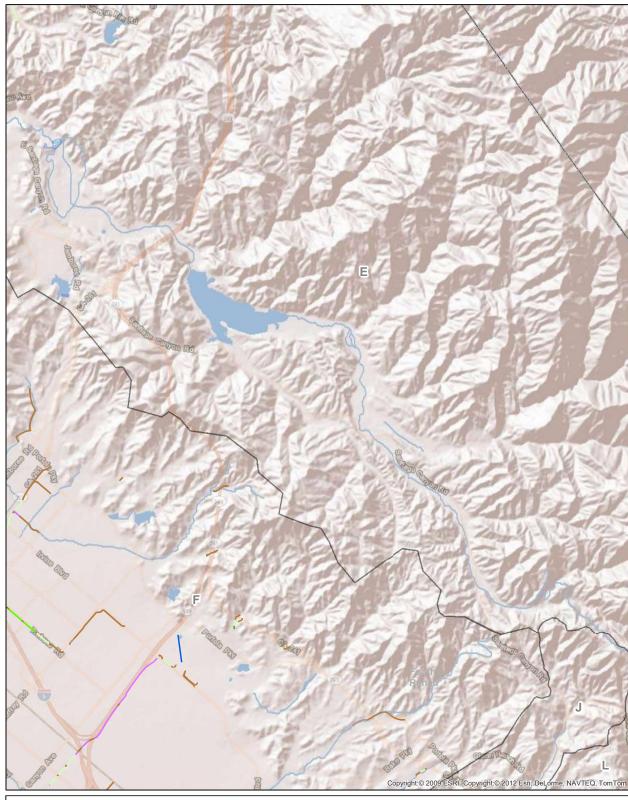
Dams/Reservoirs/Basins





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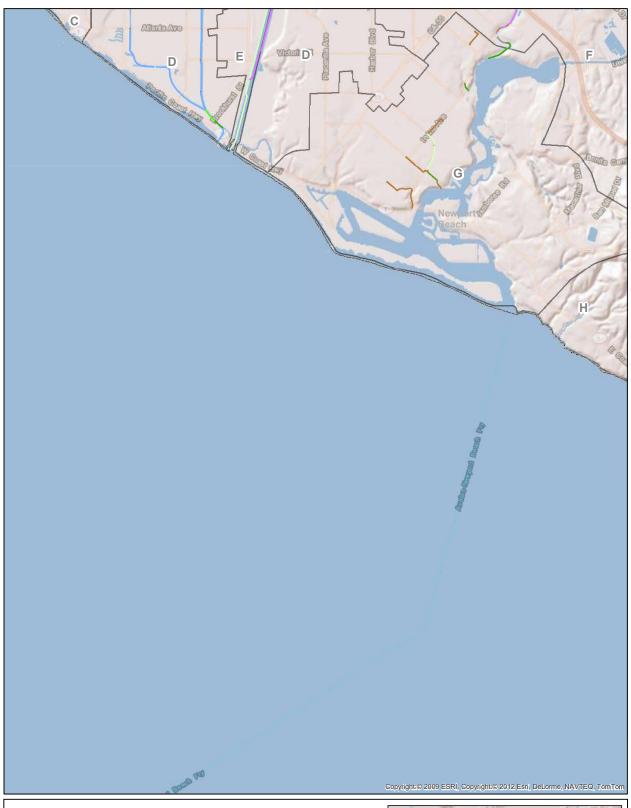
#### Legend Channel Type, Channel Slope Type, Channel Bottom Type Concrete Box/Pipe, Concrete, Concrete Metal Sheet Channel, Concrete, Concrete Metal/Steel Pipe, Concrete, Concrete Rectangle, Concrete, Concrete Rectangle, Concrete, Earthen Trapezoidal, Concrete, Concrete Trapezoidal, Concrete, Earthen Trapezoidal, Earthen, Earthen

Trapezoidal, Riprap, Concrete Trapezoidal, Riprap, Earthen Dams/Reservoirs/Basins

# WATERSHED

- A Coyote Creek
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- D Talbert
- E Santa Ana River
- F San Diego Creek
- G Newport Bay
- H Newport Coast
- I Laguna Canyon J - Aliso Creek
- K Salt Creek
- L San Juan Creek
- M -San Clemente





# Legend Channel Type, Channel Slope Type, Channel Bottom Type — Concrete Box/Pipe, Concrete, Concrete — Metall Sheet Channel, Concrete, Concrete — Metal/Steel Pipe, Concrete, Concrete — Rectangle, Concrete, Concrete — Rectangle, Concrete, Earthen — Trapezoidal, Concrete, Concrete — Trapezoidal, Concrete, Earthen

Trapezoidal, Concrete, Earthen
Trapezoidal, Earthen, Earthen
Trapezoidal, Riprap, Concrete
Trapezoidal, Riprap, Earthen
Dams/Reservoirs/Basins

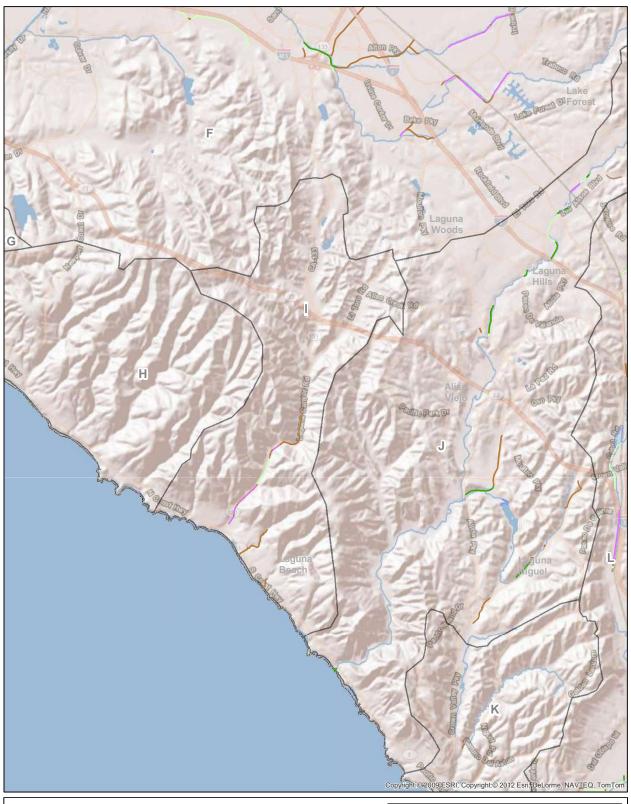
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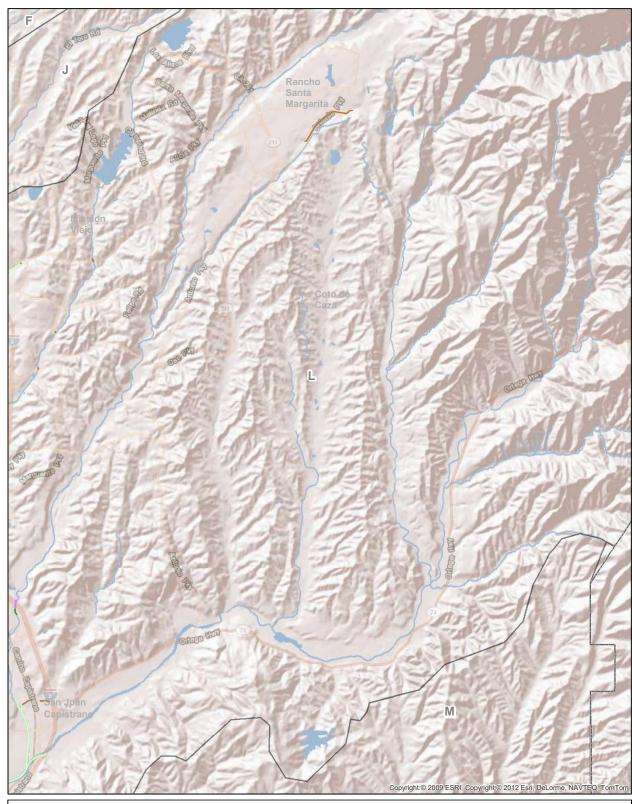
 Trapezoidal, Riprap, Concrete Trapezoidal, Riprap, Earthen Dams/Reservoirs/Basins

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Trapezoidal, Concrete, Concrete
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Trapezoidal, Concrete, Concrete
Trapezoidal, Concrete, Earthen
Trapezoidal, Earthen, Earthen
Trapezoidal, Riprap, Concrete
Trapezoidal, Riprap, Earthen
Dams/Reservoirs/Basins

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COUNTY OF ORANGE LONG-TERM MAINTENANCE PROGRAM

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Authorized Activities

The project is limited to the specific activities identified in Table 1

	Table 1: Authorized Activities		
Maintenance Type	Maintenance Description	Equipment Needed	Performance Criteria
Pre-Emergent Weed Control	Application of herbicides to control growth of unwanted vegetation on flood control property.	Spray Truck, Spray Tank, All- Terrain Vehicle (ATV) and Trailer	Performed annually from early Fall to late Spring following a predetermined plan. Spraying is conducted from right-of-way to right-of-way.
Weed Control	Application of herbicides to control unwanted vegetation on flood control properties.	Spray Truck, Spray Tank, ATV and Trailer	Spray year round to eliminate or control weeds not killed by preemergent spraying. Generally spray 4-6 times per year.
Manual Removal of <i>Arundo</i>	Cutting, chipping and removal of <i>Arundo</i> . This activity is performed to remove unwanted vegetation from County right-of-ways and flood management channels.	Chipper Truck, Chipper, Trash Compactor, and Hand tools	Remove as directed.
Arundo Treatment	Application of herbicides to control unwanted vegetation on flood control properties.	Spray Truck, Spray Tank, ATV and Trailer	Spray two to five times per year to eliminate or control <i>Arundo</i> . During the months of February through August a biologist is required to monitor bird nesting activity.
Rodent Control	Control of rodents in flood right-of-way by the use of toxicants or fumigation to prevent erosion problems, public and safety hazards.	Pickup Truck, ATV and Trailer	All channels would follow a predetermined plan from scheduling.
Insect Control	Application of Insecticides to control insects on flood control properties, roadway right-of-way, contract cities and county parks.	Spray truck or backpack sprayer and a Bee Suit	Spray as needed for public safety or to protect landscape plants.
General Fence Maintenance	Inspection and general repair of fences to ensure control of access to flood channels.	Fence Truck and Welder	Performed on a routine basis.
Channel Cleaning	General maintenance cleaning consists of work necessary to maintain channel flow and permit access of maintenance vehicles and personnel. Work includes the removal of trash, debris, obstructions, and silt from the channel; trimming and clearing of vegetation along the vehicular and pedestrian access roads; and the removal of vegetation from channel slopes and inverts.	Inmate Crew Truck, Dump Truck, Trash Compactor Truck, Chipper and Chipper Truck	Completed whenever location prohibits use of equipment and work needed to restore facility to operating capacity and/or acceptable appearance.
Graffiti Pressure Wash	Removal of vandalized markings on fences, flood management channel walls and traffic signs with a steam cleaner.	Utility Truck and Steam Cleaner	Performed per request from Graffiti Hotline and County Inspection staff.
Graffiti Paint/Spray	Removal of vandalized markings on fences, flood management channel walls and signs on County flood control facilities.	Utility Truck and Steam Cleaner	Performed per request from Graffiti Hotline and County Inspection staff.

Maintenance Type	Maintenance Description	Equipment Needed	Performance Criteria
Graffiti Hand Roll	Painting over of vandalized markings on fences, flood management channel walls and signs on County flood control facilities using a hand roller.	Utility Truck and Van with Toilet	Performed per request from Graffiti Hotline and County Inspection staff.
Flap Gate Inspection/ Maintenance	Inspection and maintenance of flap gates includes identifying repairs on gates and performance of repairs or complete gate replacement.	Utility Truck	Flap gates would be inspected and serviced annually.
Maintain Pump Stations	The maintenance of mechanical, electrical, and other aspects of pumps and/or pump station facilities to insure proper functioning of these drainage systems.	Utility Truck	Periodic cleaning and debris removal is required. Pumps are serviced and overhauled, as required, to provide peak efficiency.
Operate Pump Stations	The operation and inspection of pump stations would be conducted to ensure the operation and control of these facilities. Includes work during storm situations.	Utility Truck	Operation would be initialized after moderate rainfall. Manual control of the system would be required to completely empty the basin.
Pump Station Cleaning	The manual cleaning of pump station wet wells and grates would be conducted in order to ensure that the pumps are functioning at full capacity.	Utility, Crew Truck, Dump Truck and Trash Compactor	Pump stations are checked and cleaned annually. Recurring problem pump stations are checked and would be cleaned (as required) after storm events.
Pump Station Cleaning Sump (via Vacuum Truck)	The pump stations would be cleaned in order to ensure that the pumps are functioning at full capacity.	Vacuum Truck	Pump stations are checked and cleaned annually. Recurring problem pump stations are checked and would be cleaned (as required) after storm events.
Pump Station Inspection	Inspection of pump stations would be conducted in order to ensure the proper working condition and a safe environment.	Utility Truck	Work would be performed weekly.
Inspect/Maintain Diversions	Routine inspections and the maintenance of diversions in on-site channels.	Utility Truck	Inspections are performed routinely and the maintenance would be performed, on an asneeded basis.
Dam Operations and maintenance	Proper operations and maintenance of the County's dams, which would include gate operation, service and cleaning of equipment, instrumentation checks, and periodic inspections.	Pickup and Utility Truck	Operations and Maintenance would be performed routinely and on an as-needed basis.
Clean Drains (via vacuum truck)	The cleaning of drainage inlets, pipes, down drains and storm drainage lines with a vacuum truck to ensure the drainage system is functioning at full capacity. This activity excludes maintenance yard drains.	Vacuum Truck, Oxygen Meter, and Pickup with Arrowboard	Drains are checked and would be cleaned in accordance with an annual plan. Recurring problem drains are checked and cleaned, as needed after storm events.

Maintenance Type	Maintenance Description	Equipment Needed	Performance Criteria
Repair Storm Drain Pipe for Flood Alleviation	The repair of pipe would be conducted in order to provide drainage for flood management purposes.	Back hoe, Dump truck with Trailer, Air Compressor, Flatbed Truck, Mixer, and Excavator	Replace (or repair) pipe where flow is restricted and/or the pipe is damaged and is not functioning as designed, creating a drainage problem.
Repair Headwalls	The repair of pipe headwalls in order to provide drainage for park, flood and roadway right-ofway.	Back hoe, Dump truck with Trailer, Air Compressor, Flatbed Truck, Mixer, and Concrete Saw	Replace (or repair) pipe headwalls where flow is restricted and/or is damaged and is not functioning as designed, creating a drainage problem.
Remove/Replace Concrete Lining	Repair of concrete channel lining would be conducted in order to restore damaged channel lining per County standards.	Dump Truck, Bobcat, Backhoe, Compressor, Excavator and Concrete Saw	This work would be performed as needed. Repair or replacement lining and reinforcement of steel would be conducted.
Vault Cleaning	The cleaning of sub drain vaults to allow the system to fully operate. The intent of the system is to assist in the removal of the hydrostatic pressure on concrete slopes, walls, toeline, and the bottom of the channels. This task includes both an annual inspection and routine maintenance.	Vacuum Truck, Pick up with Wench, and Oxygen Meter. Underground Crew-Safety gear	Inspect annually and clean 1/3 of all vaults located on-site each year.
Concrete Channel Silt Removal- Loader	Mechanical removal of silt and debris from channel bottom to provide for normal flow of water. This activity applies to silt and debris removal from the bottom of a concrete channel with a large loader and may include stockpiling debris removed until dry.	Tender Truck, Dump Truck, and Large Loader	Normally conducted from April to October but can be performed throughout the year. Performed when the capacity of a channel is impaired or adjacent drainage structures are restricted.
Concrete Channel Silt Removal-Bobcat	Mechanical removal of silt and debris from channel bottom to provide for normal flow of water. This activity applies to silt and debris removal from a concrete channel with a Bobcat or skip loader and may include stockpiling debris removed until dry.	Tender Truck, Dump Truck, Bobcat/Skip Loader, Mobile Crane and Trailer	Normally conducted from April to October but can be performed throughout the year. Performed when the capacity of a channel is impaired or adjacent drainage structures are restricted.
Dirt Channel Silt Removal	Mechanical removal of silt, vegetation and/or debris that has been removed and stockpiled to restore dirt channels and roadways, and to provide proper flow of water.	Tender Truck, Dump Trucks, Crane, Excavator, and Dozer	Stockpiled materials have drained sufficiently to allow loading and hauling.
Compact Channel Slope	Provide soil or rock compaction (into slope) in order to inhibit subsequent erosion.	Crane, Excavator, Tender Truck, and Badger	Slopes should be compacted whenever major repairs occur and earth is imported to provide a base for the final invert surface.
Back Fill/Repair Washout	The in-kind repair and/or back fill of washouts would be conducted in order to stabilize slopes or hinder water flow.	Back hoe, Dump Truck, Crane, Equipment Trailer, and Tender	This work would be performed as needed. High priority would be given to concrete or asphalt structures that require backfill for stabilization.

Maintenance Type	Maintenance Description	Equipment Needed	Performance Criteria
Aggregate-Base (AB) Maintain Levee	Prepare roadway and plate AB and compact with rubber tire roller to increase the channel roadways to all weather facilities. This activity also includes placement of AB to maintenance of channels.	Tender Truck, Dump Trucks, Rubber T Roller and Motor Grader	Performed under direction of engineer to provide maintenance access.
Tractor Removal of <i>Arundo</i>	Removal of <i>Arundo</i> would be conducted using excavators. A large loader with a clam bucket would be utilized to stockpile material at a processing area and a water truck would be utilized for dust and fire control.	Excavator, Large Loader, Water Truck, Tender Truck, Off Road Truck, and Crew	Arundo would be removed if required as mitigation.
Manual Cleaning/ Inspection of Drains	The inspection and manual cleaning of drainage inlets, pipes, down drains, and storm drainage lines would be conducted in order to ensure that the drainage system is functioning at full capacity. This activity excludes maintenance yard drains.	Stakebed/Crew cab, Oxygen Meter and Mini Vac	Drains are manually checked and cleaned. Recurring problem drains are checked and cleaned (as necessary) after storm events.
Landscape maintenance	Maintenance of County- landscaped areas including ground cover, trees, and shrubs often in undeveloped areas. This work effort includes the removal of trash, elimination of right-of-way encroachment, and provides security clearance in flood channels and right-of-ways.	Road Truck, Inmate and Contract Crews	This work would be performed as needed, generally outside of the bird nesting season.
Right-of-Way Pruning	Trim and prune trees and shrubs to provide equipment access, and provide right-of-way clearance.	Road Truck, Inmate and Contract Crews	This work would be performed as needed, generally outside of the bird nesting season.
Annual DSOD Inspection/Repairs	Inspection and maintenance of dams	Excavator, Large Loader, and Off Road Water Truck	Annual Division of Safety of Dams (DSOD) Inspection.
Repair concrete structure damage below deck level	Pressure-Epoxy-Inject Cracks - below deck or on side of bridge	Air compressor, air & high- pressure water guns, Epoxy gun, variable reach forklift, boom lifts	Performed as recommended by inspection reports or OCPW bridge maintenance staff.
Repair concrete structure damage below deck level	Remove & replace unsound or spalled concrete - below deck level	Air compressor, air, variable reach forklift, boom lifts, sandblast & high-pressure water guns, concrete saw, chipping gun, concrete pump, concrete mixer	Performed as recommended by inspection reports or OCPW bridge maintenance staff.
Clean & paint bridge steel (above and/or below deck level)	Clean and paint steel girders- above or below deck	Air compressor, air & sandblast guns, variable reach forklift, boom lifts, light scaffold, paint gun	Performed as recommended by inspection reports or OCPW bridge maintenance staff.
Restore in-kind scour protection measures at bridge	Slurry-fill scour recesses and restore eroded invert with grouted riprap	Bobcat or loader, Backhoe, dump truck, ready-mix truck, concrete pump	Performed as recommended by inspection reports or OCPW bridge maintenance staff.
Restore scour protection measures at bridge	Slurry-fill scour recesses and restore eroded invert with concrete invert (including cutoff walls) Within as-built footprint	Bobcat or loader, Backhoe, dump truck, ready-mix truck, concrete pump	Performed as recommended by inspection reports or OCPW bridge maintenance staff.

Maintenance Type	Maintenance Description	Equipment Needed	Performance Criteria
In-kind slope repair and/or preparation for riprap installation	In-kind repair of slopes that have eroded and/or mechanical removal of dirt from channel slopes and channel bottom to restore to as-built cross section.	Crane, excavator, dump trucks	Performed as recommended by inspection reports or OCPW /O&M Maintenance Inspectors.
In-kind Riprap installation	In-kind installation (replacement of existing rip-rap areas) of rock rip-rap on channel slopes to stabilize channel slopes and prevent erosion.	Crane, excavator, Dozer, dump trucks	Performed as recommended by inspection reports or OCPW /O&M Maintenance Inspectors.

## **As-Built Dimmensions and Facililites List Legends**

ion	ipe	Arch culvert		a						Зох	lipe	Rectangle	Frapezoidal	Rectangle	Rectangle with Bridge					36	
Facility Description	Asphalted Concrete Pipe	Reinforced Concrete Arch culvert	Cast-in-Place Pipe	Corrugated Metal Pipe	Concrete Pipe	Earthern Trapezoidal	Irregular Trapezoidal	Natural Watercourse	Natural Watercourse	Reinforced Concrete Box	Reinforced Concrete Pipe	Reinforced Concrete Rectangle	Reinforced Concrete Trapezoidal	Reinforced Concrete Rectangle	Reinforced Concrete Rectangle with Bridge	Steel Pipe	Spiral Rib Pipe	Transitional Structure	Trapezoidal	Trapezoidal with Bridge	
	ACP	ARCH	CIPP	CMP	CP	ET	IRR TRAP	NATURAL	NC	RCB	RCP	RCR	RCT	RECT	RECT BRDG	SP	SRP	Transition	TRAP	TRAP BRDG	

Watershed ID	Coyote Creek	Carbon Creek	Westminster	Talbert	Santa Ana River	San Diego Creek	Newport Bay	Newport Coast	Laguna Canyon	Aliso Creek	Salt Creek	San Juan Creek	San Clemente	
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Facility Description	RCB	200	KCB	TRAP BRDG	RECT	RECT	RECT	3-RECT	TRAP	RCB	RCB	RECT	TRAP	TRAP	2-RCB	RECT	TRAP	3-RCB	TRAP	RECT	RECT	TRAP	BECT	RECT	NEC!	RECT	3-RCB	RECT	5-RCB	RECT	4-RCB	TRAP	3-RCB	RCP-2-RCB	TRAP	4-RCB	G TRAP	G RCB	RCB	RCB	CMP	RCB	TRAP	RCB	RCB
Facility Name	I AGI INA CANYON CHANNEI		LAGUNA CANYON CHANNEL	ALISO CREEK CHANNEL	EL MODENA-IRVINE CHANNEL	BREA CANYON CHANNEL	COYOTE CREEK CHANNEL	COYOTE CREEK CHANNEL	COYOTE CREEK CHANNEL	COYOTE CREEK CHANNEL	BREA CREEK CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	BREA CANYON CHANNEL	BREA CANYON CHANNEL	LOFTUS DIVERSION CHANNEL	LOFTUS DIVERSION CHANNEL	IMPERIAL CHANNEL	LA MIRADA CREEK CHANNEL	CARBON CREEK CHANNEL	MOODY CREEK CHANNEL	MOODY CREEN CHANNEL	INICOUT CREEN CHAININEL	ANAHEIM-BARBER CITY CHANNEL	WESTMINSTER CHANNEL	WESTMINSTER CHANNEL	WESTMINSTER CHANNEL	WESTMINSTER CHANNEL	EAST GARDEN GROVE-WINTERSBURG	EAST GARDEN GROVE-WINTERSBURG	Marshburn Retention Channel	Marshburn Retention Channel	Marshburn Retention Channel		BEE CANYON CHANNEL	BEE CANYON CHANNEL	BEE CANYON CHANNEL						
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Concrete	Concrete	Concrete	Concrete	Earth	Steel/Natural No	Riprap	Earth	Concrete	Riprap/Earth	Rip-rap	Rip-rap	Earth	Concrete	Concrete	Concrete	Concrete	Riprap	Concrete	Earth	Soil Cement	Earth	Concrete	Concrete	Concrete	Concrete	Concrete	Earth	Concrete	Concrete	Concrete	Rip-Rap	Soil Cement	Concrete	Concrete	Rip-rap	Concrete	Concrete	Concrete	Concrete	Rip-Rap	Rip-Rap	Concrete	Concrete	Concrete	Concrete	Earth/Concre No
RCB	RCB	RCB	RECT	TRAP	RECT	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	NETRAP	RECT	RCB	RECT	RECT	TRAP	2-RCP	TRAP	TRAP	TRAP	2-RCB	TRAP	RCB	RECT	TRAP	TRAP	TRAP	RCB	2-RCB	TRAP	TRAP	RCB	RCP	TRAP	RECT	RCP	RECT	TRAP	TRAP	TRAP	TRAP	RCB	RCP	RCP	ы
Hicks Retarding Basin	Hicks Retarding Basin	Hicks Retarding Basin	ASH STORM CHANNEL	SUNSET CHANNEL	HUNTINGTON BEACH CHANNEL	TALBERT CHANNEL	GREENVILLE-BANNING CHANNEL	FAIRVIEW CHANNEL	FAIRVIEW CHANNEL	FOUNTAIN VALLEY CHANNEL	SANTA ANA RIVER CHANNEL	CARBON CANYON DIVERSION CHANNETRAP	CARBON CANYON CHANNEL	ATWOOD CHANNEL	RICHFIELD CHANNEL	ESPERANZA CHANNEL	COLLINS CHANNEL	COLLINS CHANNEL	COLLINS CHANNEL	SANTIAGO CREEK CHANNEL	FLETCHER CHANNEL	BITTERBUSH CHANNEL	BITTERBUSH CHANNEL	SOUTHEAST ANAHEIM CHANNEL	SANTA ANA-DELHI CHANNEL	SANTA ANA GARDENS CHANNEL	PAULARINO CHANNEL	PAULARINO CHANNEL	SAN DIEGO CREEK CHANNEL	SAN DIEGO CREEK CHANNEL	SAN DIEGO CREEK CHANNEL	SAN DIEGO CREEK CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	EL MODENA-IRVINE CHANNEL	EL MODENA-IRVINE CHANNEL	EL MODENA-IRVINE CHANNEL	LANE CHANNEL	LANE CHANNEL	BARRANCA CHANNEL	BARRANCA CHANNEL	SANTA ANA-SANTA FE CHANNEL	SOUTHWEST TUSTIN CHANNEL	NORTH TUSTIN CHANNEL	RED HILL CHANNEL	BITTERBUSH CHANNEL
18070204	18070204	18070204	18070106	18070201	18070203	18070201	18070203	.8070203	18070203	.8070203	18070203	18070106	18070106	18070106	18070106	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070201	18070204	.8070203	18070204	18070203	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070203	18070204	18070204	18070204	18070204	18070204	18070204	.8070204	.8070204	.8070203
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Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Earth Channel	Metal Sheet Channel	Riprap Channel	Earth Channel	Concrete-Lined	Riprap Channel	Riprap Channel	Riprap Channel	Earth Channel	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Riprap Channel	Underground Conduit	Earth Channel	Earth Channel	Earth Channel	Underground Conduit	Concrete-Lined	<b>Underground Conduit</b>	Concrete-Lined	Concrete-Lined	Earth Channel	Concrete-Lined	<b>Underground Conduit</b>	<b>Underground Conduit</b>	Riprap Channel	Concrete Sides, Soft Botto	<b>Underground Conduit</b>	Underground Conduit	Riprap Channel	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Riprap Channel	Riprap Channel	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Earth Channel
F27B01	F27B01	F27B01	A03S03	C07	D01	D02	D03	D04	D04	D05	E01	E02	E03	E04	E05	E06	E07	E07	E07	E08	E10	E11	E11	E12	F01	F02	F03	F03	F05	F05	F05	F05	F06	F06	F07	F07	F07	F08	F08	F09	F09	F10	F11	F12	F13	E11
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F07P23 Underground Conduit F14 Concrete-Lined	шш	18070204	BRYAN STORM DRAIN SAN IOAOLIIN CHANNEL	RCP TRAP	Concrete	0 S	Santa Ana Santa Ana	o N	6.000	6.0	2764	33.73708142000	-117.80681602000
Concrete-Lined	. ш		MARSHBURN CHANNEL	TRAP	Concrete	2 2	Santa Ana	8			420	33.67229438000	-117.75761126000
Underground Conduit	ш	18070204	MARSHBURN CHANNEL	2-RCP	Concrete	N <sub>o</sub>	Santa Ana	N <sub>o</sub>	18.000		588	33.67395222000	-117.75595285000
Concrete-Lined	ш		MARSHBURN CHANNEL	RECT	Concrete	No	Santa Ana	No	_	10.0	1722	33.69389626000	-117.73679090000
<b>Underground Conduit</b>	ш	18070204	MARSHBURN CHANNEL	RCB	Concrete	No	Santa Ana	N <sub>o</sub>	•		347	33.69405971000	-117.72962409000
Underground Conduit	ш		BEE CANYON CHANNEL	2-RCB	Concrete	No	Santa Ana	N <sub>o</sub>		_	930	33.66179693000	-117.75107603000
Underground Conduit	ш	18070204	BEE CANYON CHANNEL	2-RCB	Concrete	No	Santa Ana	N <sub>o</sub>			994	33.66451693000	-117.74842814000
Underground Conduit	ш	18070204	AGUA CHINON CHANNEL	3-RCB	Concrete	No	Santa Ana	Yes			2013	33.65361604000	-117.74628160000
<b>Underground Conduit</b>	L	18070204	AGUA CHINON CHANNEL	RCB	Concrete	No	Santa Ana	N <sub>o</sub>			336	33.65702680000	-117.73411890000
Underground Conduit	L	18070204	SERRANO CREEK CHANNEL	2-RCB	Concrete	No	Santa Ana	Yes		_	669	33.63719961000	-117.73477937000
Underground Conduit	L.	18070204	SERRANO CREEK CHANNEL	2-RCB	Concrete	No	Santa Ana	Yes			373	33.66950312000	-117.66144388000
Concrete-Lined	ш	18070204	BORREGO CANYON CHANNEL	RECT	Concrete	No	Santa Ana	Yes	25.000	9.6	643	33.66373896000	-117.70802666000
Underground Conduit	ш	18070204	BORREGO CANYON CHANNEL	2-RCB	Concrete	No	Santa Ana	Yes		_	1038	33.65525741000	-117.73355811000
Earth Channel	ш	18070204	CENTRAL IRVINE CHANNEL	TRAP	Earth/Concre	e No	Santa Ana	No			160	33.70237966000	-117.77044071000
Underground Conduit	ш	18070204	RATTLESNAKE CANYON CHANNEL	2-RCB	Concrete	No	Santa Ana	No	22.000	0.01	442	33.73398511000	-117.76353171000
Underground Conduit	ш	18070204	HICKS CANYON CHANNEL	RCB	Concrete	No	Santa Ana	No	_	10.0	602	33.72496421000	-117.76949720000
Concrete-Lined	9	18070204	EAST COSTA MESA CHANNEL	TRAP	Concrete	No	Santa Ana	No	8.000	0.9	2203	33.62846686000	-117.90155721000
Concrete-Lined	I	18070301	EMERALD BAY CHANNEL	RECT	Concrete	Yes	San Diego	N <sub>o</sub>			68	33.55132652000	-117.80801630000
Underground Conduit	_	18070301	LAGUNA CANYON CHANNEL	5-RCB	Concrete	Yes	San Diego	No		_	1100	33.54323494000	-117.78425404000
Concrete-Lined	_	18070301	LAGUNA CANYON CHANNEL	RECT	Concrete	Yes	San Diego	No			537	33.54531061000	-117.78253903000
<b>Underground Conduit</b>	_	18070301	LAGUNA CANYON CHANNEL	RCB	Concrete	Yes	San Diego	No	•		506	33.56319988000	-117.76806682000
<b>Underground Conduit</b>	_	18070301	LAGUNA CANYON CHANNEL	RCB	Concrete	Yes	San Diego	No			1635	33.56689213000	-117.76391125000
Riprap Channel	<b>-</b>	18070301	ALISO CREEK CHANNEL	TRAP	Rip-Rap	Yes	San Diego	Yes	_	_	120	33.51092025000	-117.75272745000
Concrete Sides, Soft Botto	to J	18070301	SULPHUR CREEK CHANNEL	VEE	Concrete/Ear	r No	San Diego	No			826	33.53554195000	-117.70004902000
Underground Conduit	<b>-</b>	18070301	SULPHUR CREEK CHANNEL	RCP	Concrete	No	San Diego	No	•		460	33.55464785000	-117.68591980000
Underground Conduit	<b>-</b>	18070301	NARCO CHANNEL	3-RCB	Concrete	Yes	San Diego	No	_	_	75	33.55128352000	-117.71739105000
Underground Conduit	Ī	18070301	NARCO CHANNEL	RCP	Concrete	No	San Diego	No			332	33.56716436000	-117.70684231000
Earth Channel	_	18070301	ALISO HILLS CHANNEL	TRAP	Earth	No	San Diego	No			140	33.58889152000	-117.70184440000
Underground Conduit	¥	18070301	SALT CREEK CHANNEL	2-RCB	Concrete	Yes	San Diego	8	_	_	280	33.48227158000	-117.72062091000
Underground Conduit	¥	18070301	SALT CREEK CHANNEL	RCP	Concrete	No No	San Diego	8		-	491	33.49339835000	-117.71693240000
Concrete Sides, Soft Botto L	to L	18070301	SAN JUAN CREEK CHANNEL	TRAP	Concrete/Ear		San Diego	N <sub>o</sub>	_		640	33.49077502000	-117.66499080000
Riprap Channel	_	18070301	OSO CREEK CHANNEL	TRAP	Rip-Rap	No No	San Diego	Yes		20.0	171	33.53503455000	-117.67618271000
Concrete-Lined	_	18070301	OSO CREEK CHANNEL	RECT	Concrete	No	San Diego	Yes			260	33.53904605000	-117.67552818000
Concrete-Lined	_	18070301	OSO CREEK CHANNEL	RECT	Concrete	No No	San Diego	Yes			270	33.54281199000	-117.67493114000
Concrete-Lined	_	18070301	OSO CREEK CHANNEL	RECT	Concrete	No	San Diego	Yes			200	33.54763983000	-117.67452581000
Concrete-Lined	_	18070301	OSO CREEK CHANNEL	RECT	Concrete	No No	San Diego	Yes			210	33.56396230000	-117.67479915000
<b>Underground Conduit</b>	_	18070301	OSO CREEK CHANNEL	3-RCB	Concrete	No	San Diego	Yes			164	33.58219352000	-117.66457925000
<b>Underground Conduit</b>	_	18070301	OSO CREEK CHANNEL	ARCH	Concrete	No	San Diego	No	25.400	16.8	293	33.60784690000	-117.64958627000
Underground Conduit	_	18070301	OSO CREEK CHANNEL	RCP	Concrete	No	San Diego	No			494	33.64534846000	-117.63931500000
<b>Underground Conduit</b>	٦	18070301	OSO CREEK CHANNEL	RCP	Concrete	No	San Diego	N <sub>o</sub>			382	33.64685683000	-117.63972826000
<b>Underground Conduit</b>	_	18070301	OSO CREEK CHANNEL	RCP	Concrete	No	San Diego	N <sub>o</sub>		-	482	33.64997810000	-117.63913958000
<b>Underground Conduit</b>	_	18070301	LA PAZ CHANNEL	6-RCB	Concrete	No	San Diego	N <sub>o</sub>			524	33.59605232000	-117.67418041000
Concrete-Lined	_	18070301	LA PAZ CHANNEL	TRAP	Concrete	No	San Diego	No		-	888	33.60599134000	-117.67108575000
Underground Conduit	Σ	18070301	PRIMA DESHECHA CANADA CHANNEL 2-RCB	2-RCB	Concrete	Yes	San Diego	Yes		_	505	33.44190433000	-117.64432774000
<b>Underground Conduit</b>	Σ	18070301	PRIMA DESHECHA CANADA CHANNEL RCB	RCB	Concrete	No	San Diego	No			743	33.47199840000	-117.62903547000
Underground Conduit	Σ	18070301	SEGUNDA DESHECHA CANADA CHANN 2-RCB	, 2-RCB	Concrete	No	San Diego	No	24.000	12.0	402	33.44302667000	-117.61554129000

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-117.95481227000	-117.95255374000	-117.95048505000	-117.94610676000	-117.94497922000	-117.94390965000	-117.94288421000	-117.94174786000	-117.93961223000	-117.93742690000	-117.93675373000	-117.93554318000	-117.93504669000	-117.93449651000	-117.93358002000	-117.93247872000	-117.93167204000	-117.93146461000	-117.93106896000	-117.92987639000	-117.92740876000	-117.92285152000	-118.00770893000	-118.00525364000	-118.00401700000	-118.00289231000	-118.00266737000	-118.00238970000	-118.00087845000	-117.99904446000	-117.99829178000	-117.99789824000	-117.99685859000	-117.99596819000	-117.99470399000	-117.99338108000	-117.99313385000	-117.99114047000	-117.99295211000	-117.98846436000	-117.98747696000	-117.98729995000	-117.98707735000	-117.98655502000	-117.98455806000	-117.98188155000	00010715000 511
33.92561732000	33.92612659000	33.92706891000	33.92762781000	33.92744827000	33.92726268000	33.92657552000	33.92608789000	33.92634262000	33.92639144000	33.92641916000	33.92642016000	33.92641890000	33.92642085000	33.92642265000	33.92659329000	33.92690346000	33.92695515000	33.92695580000	33.92659232000	33.92631430000	33.93043217000	33.87804295000	33.87807341000	33.87807420000	33.87807855000	33.87808099000	33.87808389000	33.87809966000	33.87759503000	33.87730498000	33.87729317000	33.87730086000	33.87730675000	33.87731509000	33.87731880000	33.87733091000	33.87746579000	33.87734641000	33.87739714000	33.87739115000	33.87739555000	33.87740109000	33.87745044000	33.87756114000	33.87766840000	00011005550 00
89	926	73	80	909	20	713	51	1211	20	369	285	13	319	195	460	82	37	175	654	936	1469	896	09	616	104	40	156	900	118	111	126	417	40	277	80	100	1000	70	550	20	72	80	239	975	445	ç
12.0	6.5	10.0	10.0	9.5	9.0	9.0	7.5	8.0	8.0	10.0	9.0	9.0	9.0	11.0	11.0	10.0	9.0	9.0	9.0	9.0	8.0	15.0	15.0	15.0	14.0	14.0	14.0	14.0	11.0	4.8	11.0	16.0	16.0	16.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	11.0	11.0	,
36.000	30.000	36.000	27.000	26.000	26.000	24.000	24.000	14.000	20.000	16.000	16.000	16.000	16.000	14.000	14.000	14.000	13.000	13.000	13.000	13.000	10.000	45.000	45.000	45.000	45.000	45.000	45.000	45.000	28.000	12.000	28.000	45.000	45.000	45.000	20.000	20.000	20.000	20.000	20.000	50.000	48.000	48.000	48.000	64.000	000.09	
Yes	No	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	No	No	N <sub>o</sub>	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	No	No	8 N	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	No	No	No							
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana																				
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Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete																				
3-RCB	RECT	3-RCB	2-RCB	RECT	RECT	RECT	2-RCB	TRAP	2-RCB	RECT	RECT	RCB	RECT	RCB	RCB	RCB	RCB	RCB	RCB	RECT	RCB	RECT	RECT BRDG	RECT	RECT	RECT BRDG	RECT	RECT	TRAP	TRAP2 BRDG	TRAP	RECT	RECT BRDG	RECT	RECT	RECT BRDG	RECT	RECT	RECT	RECT	RECT	RECT BRDG	RECT	RECT	RECT	
COYOTE CREEK CHANNEL	COYOTE CREEK CHANNEL	COYOTE CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL																				
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Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	<b>Underground Conduit</b>	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined					
A01	A01	A01	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02																				

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-117.97966560000	-11/.9/603391000	-117.97326811000	-117.97215766000	-117.96930512000	-117.96734588000	-117.96545574000	-117.96248619000	-117.96014145000	-117.96117684000	-117.95916758000	-117.95911939000	-117.95787544000	-117.95851886000	-117.95073340000	-117.95433076000	-117.94636750000	-117.94198406000	-117.94035333000	-117.93834437000	-117.93765944000	-117.93698985000	-117.93594335000	-117.93528979000	-117.93420880000	-117.93311755000	-117.93198105000	-117.93087906000	-117.92979164000	-117.92870503000	-117.92781431000	-117.92678378000	-117.92652483000	-117.92625788000	-117.92524466000	-117.92431332000	-117.92291246000	-117.92201334000	-117.92226793000	-117.92314553000	-117.92371693000	-117.92426889000	-117.92431359000	-117.92437159000	-117.92456832000	-118.03302689000	-118.02868361000
33.87791822000	33.8/825315000	33.87826589000	33.87816062000	33.87787520000	33.87768755000	33.87743987000	33.87705000000	33.87673365000	33.87687420000	33.87660924000	33.87660281000	33.87643428000	33.87652146000	33.87551213000	33.87595398000	33.87519016000	33.87486691000	33.87474661000	33.87459838000	33.87448447000	33.87422424000	33.87396203000	33.87396079000	33.87396397000	33.87396751000	33.87397223000	33.87398005000	33.87398130000	33.87398579000	33.87399365000	33.87407558000	33.87417932000	33.87428691000	33.87470922000	33.87509741000	33.87614421000	33.87745240000	33.87829267000	33.87908748000	33.87991487000	33.88088834000	33.88123989000	33.88214317000	33.88311324000	33.86403716000	33.86406642000
595	1605	45	625	1035	100	806	739	526	09	17	15	40	218	20	2139	2592	80	912	322	124	295	333	140	544	55	641	40	620	40	385	244	46	70	298	93	1084	44	645	120	576	202	20	700	80	2100	125
11.0	11.0	11.0	11.0	11.0	12.6	11.5	11.5	11.5	11.5	11.0	11.0	10.5	11.5	8.9	9.0	8.9	8.9	8.9	0.9	0.9	7.0	8.9	8.9	8.9	7.0	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	10.0	10.0	0.0	12.5	13.0	13.0
60.000	90.000	000.09	60.000	28.000	28.000	50.000	48.000	48.000	48.000	24.000	24.000	24.000	24.000	30.000	24.000	24.000	24.000	24.000	14.000	14.000	24.000	24.000	24.000	24.000	24.000	29.000	25.000	25.000	25.000	25.000	22.000	22.000	22.000	22.000	26.000	26.000	26.000	26.000	26.000	26.000	14.000	14.000	28.500	12.500	49.000	49.000
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Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana
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Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Earth	Concrete	Concrete	Concrete
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BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	BREA CREEK CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL
18070106	180/0106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106
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Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Natural Watercourse	Underground Conduit	Concrete-Lined	Underground Conduit
A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A02	A03	A03
262	703	264	265	566	797	268	569	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	588	290	291	292	293	294	295	596	297	298	299	300	301	302	303	304	305	306	307	308

-118.02559411000	-118.02255827000	-118.02210125000	-118.02144135000	-118.01663392000	-118.01125427000	-118.00938454000	-118.00688569000	-118.00578059000	-118.00459422000	-118.00341393000	-118.00308185000	-118.00284915000	-118.00050168000	-117.99812328000	-117.99778660000	-117.99668786000	-117.99483834000	-117.99376055000	-117.99284247000	-117.99215610000	-117.92140858000	-117.92012236000	-117.91979240000	-117.91966647000	-117.91963179000	-117.91953732000	-117.91903868000	-117.91791040000	-117.91829959000	-117.91645629000	-117.97054944000	-118.06739542000	-117.94200981000	-117.94210369000	-117.94212772000	-117.94213618000	-117.94215148000	-117.94216770000	-117.94217525000	-117.94217654000	-117.94218810000	-117.94219562000	-117.94220607000	-117.94221425000	-118.04803166000	000000000000000000000000000000000000000
33.86408714000	33.86410899000	33.86411152000	33.86409169000	33.86202640000	33.86203020000	33.86200589000	33.86202278000	33.86202873000	33.86203389000	33.86203355000	33.86203207000	33.86203419000	33.86229697000	33.86233827000	33.86232480000	33.86200170000	33.86158369000	33.86152461000	33.86198605000	33.86260212000	33.92033886000	33.92091149000	33.92220363000	33.92243940000	33.92250186000	33.92262062000		33.92315285000	33.92303854000							33.76078907000	33.76183128000	33.76287115000	33.76325708000	33.76362730000	33.76404372000	33.76444304000	33.76486589000	33.76527149000	33,70378005000	
1700	80	205	260	2993	128	847	496	53	480	189	25	295	1254	109	81	879	465	80	555	21	28	167	178	20	20	72	86	22	553	204	39	1718	80	65	237	63	648	62	163	62	188	62	188	62	2977	100
13.0	13.0	13.0	14.0	14.0	12.5	15.0	15.5	15.5	14.5	14.5	14.5	17.0	16.5	12.9	16.0	12.2	13.2	13.7	13.7	14.5	7.0	0.9	0.9	8.0	7.0	0.9	6.0	6.0	0.9	7.0	11.0	17.0	0.9	0.9	9.0	7.0	9.0	7.0	9.5	7.0	9.5	7.0	9.5	7.0	14.4	÷ :
49.000	49.000	49.000	49.000	47.000	47.000	47.000	47.000	47.000	31.000	31.000	31.000	31.000	31.000	31.000	31.000	15.000	15.000	15.000	15.000	15.000	12.000	10.000	10.000	10.000	8.000	8.000	8.000	8.000	8.000	8.000	006.9	30.000	16.000	12.000	4.000	9.500	4.000	9.500	4.000	9.500	4.000	9.500	4.000	9.500	70,000	0000
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Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	י מוונים ייווים
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Concrete	Concrete	Concrete	Concrete	Concrete	3 Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Earth	5								
RECT	RECT BRDG	RECT	RECT	RECT	3-RECT BRDG	RECT	RECT BRDG	RECT	TRAP	TRAP	TRAP BRDG	TRAP	TRAP BRDG	RCB	RECT	RECT	RCB	RECT	RECT	RCB	RCB	RECT	RECT	RECT	TRAP	2-RCB	2-RCB	TRAP	RCB	G TRAP	:::															
FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	IMPERIAL CHANNEL	IMPERIAL CHANNEL	IMPERIAL CHANNEL	IMPERIAL CHANNEL	IMPERIAL CHANNEL	IMPERIAL CHANNEL	IMPERIAL CHANNEL	IMPERIAL CHANNEL	IMPERIAL CHANNEL	IMPERIAL CHANNEL	LA MIRADA CREEK CHANNEL	CARBON CREEK CHANNEL	WESTMINSTER CHANNEL	WESTMINSTER CHANNEL	WESTMINSTER STORM CHANNEL	EAST GARDEN GROVE-WINTERSBURG TRAP										
18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	1020 1001
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Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Earth Channel								
A03	A03	A03	A03	A03	A03	A03	A03	A03	A03	A03	A03	A03	A03	A03	A03	A03	A03	A03	A03	A03	A07	A07	A07	A07	A07	A07	A07	A07	A07	A07	A08	B01	C04	C04	C04	C04	C04	C04	C04	C04	C04	C04	C04	C04	C05	
309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	355	)

-118 04046597000	-118 03737015000	110 03757177000	52321/7000	-118.02886062000	-118.02688225000	-118.02576150000	-118.02392390000	-117.84604434000	-117.84583357000	-117.84566130000	-117.84550101000	-117.84532974000	-117.84463993000	-117.84456745000	-117.84456191000	-117.84490159000	-117.84508992000	-117.84527893000	-117.84529267000	-117.84497179000	-117.84509631000	-117.84530931000	-117.84557184000	-117.84584731000	-117.84592501000	-117.84601840000	-117.84594928000	-117.85272330000	-117.85182043000	-117.85157926000	-117.85053870000	-117.99162644000	-117.99091680000	-117.98503859000	-117.98066845000	-117.98053883000	-117.98036557000	-117.98023281000	-117.97835209000	-117.97634328000	-117.97220823000	-117.96811005000	-117.96377996000	-117.95940745000	-117.95502292000	-117.95065743000	-117.94909039000
-118.0	-118.0	1100	-110.0	-118.0	-118.0	-118.0	-118.0	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.9	-117.9	-117.9	-117.9	-117.9	-117.9	-117.9	-117.9	-117.9	-117.9	-117.9	-117.9	-117.9	-117.9	-117.9	
33 70705371000	33 70840462000	33 7104944E000	33.71046443000	33./1226495000	33.71542276000	33.71679762000	33.71734663000	33.88682373000	33.88777544000	33.88862600000	33.88906816000	33.88940018000	33.89100606000	33.89269569000	33.89332340000	33.89433051000	33.89504853000	33.89622773000	33.89811988000	33.89920437000	33.89968029000	33.90004076000	33.90044211000	33.90104751000	33.90127440000	33.90188251000	33.90390434000	33.86688326000	33.86736488000	33.86744181000	33.86767258000	33.86277636000	33.86291734000	33.86402158000	33.86537951000	33.86636273000	33.86649007000	33.86655072000	33.86742598000	33.86814323000	33.86832790000	33.86835304000	33.86838295000	33.86841103000	33.86843458000	33.86840795000	33.86724575000
2138	24		1 00	7227	100	1082	100	187	529	136	218	30	1216	17	459	158	170	650	898	200	210	16	304	158	17	410	4105	290	65	105	230	275	100	09	1058	80	63	36	1261	69	2436	20	2578	80	2524	20	1165
13.8	13.8	7 0	10.4	17.7	12.6	12.3	12.3	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	0.0	13.0	13.0	10.0	11.0	17.7	17.7	11.5	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
70.000	70.000	000.07	70.000	70.000	70.000	70.000	70.000	17.000	17.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	20.000	20.000	20.000	24.000	15.000	15.000	15.000	17.000	17.000	17.000	17.000	17.000	12.000	12.000	12.000	12.000	12.000	13.000	13.000	13.000
Yes	λ Α	3 5	<u>.</u>	Yes	Yes	Yes	Yes	8	No	8	N <sub>o</sub>	8 8	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	No	8 8	8 8	No	8	No	8 8	No	8	No	No	No	N <sub>o</sub>	No	No	N <sub>o</sub>	N <sub>o</sub>	8	No	N <sub>0</sub>	N <sub>o</sub>	No	8	8	8 8	No	N <sub>o</sub>	8 8	No
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URG TRAP	-WINTERSBIRG TRAP BRNG				URG TRAP BRDG	URG TRAP	URG TRAP BRDG	RECT	RECT	RCB	RECT	RECT BRDG	RECT	RCB	RECT	RECT	RECT	RECT	RECT	RCB	RECT	RCB	RECT	RECT	RCB	RECT	RCB	TRAP	TRAP BRDG	TRAP	TRAP	TRAP BRDG	TRAP BRDG	TRAP BRDG	TRAP												
FAST GARDEN GROVE-WINTERSBIJRG TRAP		Salidage Manager Card Card Card Card Card Card Card Car	TACH CARDEN GROVE-WINTERSD	EAST GARDEN GROVE-WINTERSBURG	EAST GARDEN GROVE-WINTERSBURG	EAST GARDEN GROVE-WINTERSBURG TRAP	EAST GARDEN GROVE-WINTERSBURG TRAP BRDG	CARBON CANYON CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL	FULLERTON CHANNEL																			
18070201	18070201	10070701	10070201	18070201	18070201	18070201	18070201	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106
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Farth Channel	Farth Channel			Earth Channel	Underground Conduit	Earth Channel	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Riprap Channel	Riprap Channel	Riprap Channel	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined												
503	503	300	5 5	5	93	C05	C05	E03	E04	E04	E04	E04	A03	A03	A03	A03	A03	A03	A03	A03	A03	A03	A03	A03	A03	A03	A03	A03																			
357	358	000	200	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	393	394	395	396	397	398	339	400	401	402	403	404	405

-117.94707673000	-117.94526505000	-117.94364793000	-117.94284397000	-117.94189246000	-117.94159616000	-117.94061769000	-117.93847527000	-117.93701531000	-117.93502846000	-117.93303582000	-117.93095873000	-117.92888080000	-117.92867872000	-117.92755506000	-117.92647160000	-117.92565664000	-117.92467035000	-117.92426779000	-117.92206744000	-117.91987434000	-117.91864650000	-117.91550927000	-117.91342165000	-117.91251619000	-117.91155229000	-117.91019953000	-117.90916173000	-117.90915956000	-117.90908323000	-117.90895741000	-117.90891747000	-117.90746516000	-117.90697673000	-117.90639199000	-117.90312900000	-117.90276239000	-117.90227789000	-117.90138042000	-117.89842009000	-117.89899426000	-117.91220819000	-117.91460206000	-117.91541014000	-117.91025261000	-117.90948182000	-117.90902441000
	33.86594363000	33.86524089000	33.86484044000	33.86466950000	33.86463497000	33.86391614000	33.86306559000	33.86298016000	33.86294643000	33.86295907000	33.86297426000	33.86298841000	33.86301032000	33.86304118000	33.86305130000	33.86305704000	33.86306218000	33.86307072000	33.86310941000	33.86313088000	33.86315989000	33.86318509000	33.86320273000	33.86380156000	33.86465839000	33.86580684000	33.86693985000	33.86776491000	33.86942466000	33.87046658000	33.87170985000	33.87254073000	33.87281436000	33.87361752000		33.87685844000	33.87731410000	33.87824984000	33.88024639000	33.88003014000	33.90983227000	33.90882211000	33.90768241000	33.91103166000	33.91150612000	
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10 14 1	Earth Channel	Earth Channel	Earth Channel	Earth Channel	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete Sides, Soft Botto	Concrete Sides, Soft Botto A	Concrete Sides, Soft Botto A	Concrete Sides, Soft Botto A	Riprap Channel	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Concrete-Lined	Riprap Channel	Earth Channel	Underground Conduit	Earth Channel	<b>Underground Conduit</b>	Underground Conduit	<b>Underground Conduit</b>	Riprap Channel	<b>Underground Conduit</b>	Riprap Channel	Riprap Channel	Riprap Channel	Concrete-Lined	Riprap Channel	Underground Conduit	Concrete-Lined	Earth Channel	Earth Channel	Earth Channel	Concrete-Lined	Concrete-Lined	Earth Channel	Underground Conduit	Earth Channel	Underground Conduit	Riprap Channel	Riprap Channel	Riprap Channel	Riprap Channel	
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9.5	10.0	8.0	8.0	8.0	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	8.0	8.5	9.0	9.0	9.0	7.0	10.0	7.0	9.0	8.0	8.0	9.0	8.9	0.9	0.9	0.9	17.0	17.0	15.0	15.0	15.0	15.0	14.5	14.5	14.5	14.5	14.5	14.5	11.0	13.5	10.0	13.5
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Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Riprap Channel	Underground Conduit	Riprap Channel	Riprap Channel	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Riprap Channel	Underground Conduit	Riprap Channel						
A07	A07	A07	A07	A07	A07	A07	A07	A07	A07	A07	A07	A07	A07	A07	A07	A07	A07	A07	A07	A07	A07	A07	A07	A07	A07	A07	A07	A07	A07	A07	B01	B01	B01	B01	B01	B01	B01	B01	B01	B01	B01	B01	B01	B01	B01	B01
505	203	504	202	206	207	208	209	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548

-117.94731730000	-117.94671664000	-117.94398088000	-117.94162298000	-117.93939083000	-117.93728420000	-117.93418425000	-117.93163482000	-117.93139428000	-117.93025407000	-117.92608609000	-117.91689228000	-117.91050863000	-117.90982652000	-117.90853582000	-117.90775134000	-117.90773250000	-117.90773075000	-117.90777186000	-117.90768910000	-117.90742158000	-117.90596913000	-117.90125617000	-117.89805510000	-117.89413649000	-117.88941561000	-117.88653113000	-117.88349221000	-117.88043985000	-117.87748210000	-117.87717327000	-117.87650643000	-117.87587805000	-117.87566599000	-117.87525136000	-117.87483383000	-117.87440938000	-117.87393574000	-117.87373792000	-117.87363881000	-117.87115644000	-117.86568015000	-117.86317373000	-117.86272767000	-117.86211500000	-118.06040222000	-118.05905766000
33.84169084000 -11	33.84169078000 -11	33.84169048000 -11	33.84169024000 -11	33.84171030000 -11	33.84220303000 -11	33.84406166000 -11	33.84633348000 -11	33.84641412000 -11	33.84672238000 -11	33.84719139000 -11	33.84725380000 -11	33.84782008000 -11	33.84808092000 -11	33.84852040000 -11	33.84971573000 -11	33.85013099000 -11	33.85025429000 -11	33.85104301000 -11	33.85183000000 -11	33.85248426000 -11	33.85378565000 -11	33.85475784000 -11	33.85614254000 -11	33.85795016000 -11	33.85798895000 -11	33.85856367000 -11	33.85852042000 -11	33.85889472000 -11	33.85928790000 -11		33.85915711000 -11	33.85910913000 -11	33.85914105000 -11	33.85923762000 -11		33.85942925000 -11	33.85957445000 -11	33.85968060000 -11	33.85973827000 -11	33.86144721000 -11	33.86322580000 -11	33.86416320000 -11	33.86427476000 -11	33.86443184000 -11	33.83485338000 -11	
37	332	1293	88	1245	72	2208	69	116	548	1938	3633	396	54	682	797	20	40	521	46	497	260	2215	44	2717	147	1673	114	1727	29	104	303	104	28	226	38	215	74	75	12	1879	1639	15	224	77	129	664
11.0	8.5	9.0	10.5	9.0	8.5	8.5	9.5	8.5	8.5	5.5	8.5	10.0	7.0	14.6	10.3	7.2	8.5	9.5	8.5	9.0	7.0	10.0	9.0	10.0	6.7	11.8	12.5	12.5	10.0	0.6	9.0	10.0	9.0	10.0	0.6	10.0	9.0	10.0	9.0	8.8	7.8	8.9	7.8	6.5	13.0	13.0
21.500	23.000	23.000	21.500	21.500	19.000	19.000	19.000	19.000	19.000	11.000	11.000	8.800	8.800	8.800	14.000	26.000	24.000	24.000	24.000	24.000	30.000	14.500	18.000	13.000	13.300	15.000	33.000	31.500	10.500	10.500	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	8.000	8.000	10.500	8.000	10.500	40.000	40.000
N <sub>o</sub>	N <sub>o</sub>	8	No	N <sub>o</sub>	No	N <sub>o</sub>	No	No	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>0</sub>	No	N <sub>o</sub>	No	N 8	N <sub>o</sub>	N <sub>o</sub>	8 8	N <sub>o</sub>	N <sub>o</sub>	8 8	No	N <sub>o</sub>	No	N <sub>o</sub>	No	No	No No	No	No	No	8	No	8 8	N <sub>o</sub>	N <sub>o</sub>	No								
Santa Ana	Santa Ana	Santa Ana																																												
No	N <sub>o</sub>	No	No	No	No	No	No	N <sub>o</sub>	R No	No	R No	No	No	No	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	No	No	N <sub>o</sub>	No	No	oN nr	No	No	N <sub>o</sub>	No	N <sub>o</sub>	No									
Concrete	Rip-Rap	Rip-Rap	Concrete	Rip-Rap	Concrete	Rip-Rap	Concrete	Rip-Rap	Rip-Rap	Concrete	Natural/Rip R No	Concrete	Natural/Rip	Concrete	Rip-Rap	Concrete	Rip-Rap	Concrete	Riprap Chann	Rip-Rap	Concrete	Rip-Rap	Concrete	Concrete	Concrete																					
TRAP BRDG	TRAP	TRAP	TRAP BRDG	TRAP	TRAP BRDG	TRAP	TRAP BRDG	TRAP	TRAP	2-RCB	RCB	RECT	RCB	RECT	RECT	RECT	TRAP BRDG	TRAP	TRAP BRDG	TRAP	3-RCB	TRAP	2-RCB	TRAP	2-RCB	RECT	3-RCB	RECT	TRAP	RECT	RCB	TRAP	TRAP	RCB	TRAP	RCB	RECT	RECT								
CARBON CREEK CHANNEL	MOODY CREEK CHANNEL	MOODY CREEK CHANNEL																																												
18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106
В	В	В	В	В	В	8	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В
Underground Conduit	Riprap Channel	Riprap Channel	Underground Conduit	Riprap Channel	Underground Conduit	Riprap Channel	Underground Conduit	Riprap Channel	Riprap Channel	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Earth Channel	Underground Conduit	Earth Channel	Underground Conduit	Riprap Channel	Underground Conduit	Riprap Channel	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Riprap Channel	Riprap Channel	Underground Conduit	Riprap Channel	Underground Conduit	Concrete-Lined	Concrete-Lined						
B01	B02	B02																																												
009	601	602	603	604	605	909	209	809	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	979	627	628	629	630	631	632	633	634	635	989	637	889	639	640	641	642	643	644	645	646

		•	2000 -118.05363749000	5000 -118.05236814000	3000 -118.05177469000	2000 -118.04928939000	3000 -118.04787394000	9000 -118.04596242000	0000 -118.04450311000	9000 -118.04048333000	118.03719292000	7000 -118.03758715000		2000 -118.09181664000	1000 -118.09184661000	2000 -118.09185581000	1000 -118.09186234000	7000 -118.09186505000	7000 -118.09194092000	3000 -118.09404501000	1000 -118.09487829000	3000 -118.09487079000	5000 -118.09487609000	2000 -118.09488283000	7000 -118.09488484000			0000 -118.09253853000						5000 -118.08261908000		1000 -118.08022401000	3000 -118.07949226000	3000 -118.07722962000	1000 -118.07494061000	0000 -118.07467725000	1000 -118.07134500000	3000 -118.07016794000	5000 -118.05723722000	9000 -118.04216990000	0000 -118.04228969000	000 -118.04226217000
33.83546931000	33.8364893/000	33.83702753000	33.83772372000	33.83859916000	33.83893513000	33.84022562000	33.84183198000	33.84326949000	33.84386400000	33.84421509000	33.84435374000	33.84430707000	33.84443436000	33.75875942000	33.75935091000	33.75957332000	33.75973484000	33.75979367000	33.76076417000	33.76922338000	33.77373124000	33.77425128000	33.77456915000	33.77475462000	33.77503957000	33.77523195000	33.78021224000	33.78523340000	33.78562171000	33.78682527000	33.78711917000	33.80257120000	33.80320931000	33.80420936000	33.80525281000	33.80609441000	33.80663313000	33.80828303000	33.81011054000	33.81041190000	33.72879384000	33.72964223000	33.73027266000	33.73708159000	33.74436920000	33.74720495000
577	281	49	719	185	211	21	1372	138	819	1593	86	69	476	218	124	48	23	10	695	3200	200	166	28	26	17	62	3630	375	43	201	40	6	164	658	372	574	10	1789	134	156	815	40	7620	5559	20	2187
					10.0	9.0	9.0		9.5	9.5		9.5				13.0	13.0	13.0		13.0	13.0	8.0	14.0	-	14.0									-		9.0	9.0	9.0	9.0	4.0		11.0		0 13.0		0 14.5
40.000	40.000	40.000	40.000	40.000	24.000	29.000	30.000	24.000	28.000	28.000	20.000	28.000	28.000	32.000	32.000	20.000	20.000	20.000	20.000	20.000	20.000	30.000	11.500	30.000	11.500	20.000	11.500	30.000	30.000	30.000	30.000	3.700	10.000	7.500	10.000	7.500	7.500	7.500	7.500	10.000	94.000	94.000	94.000	120.000	120.000	120.000
No.	9 8	N <sub>o</sub>	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	No	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	No	N <sub>o</sub>	No	No	8	8 N	8 N	8	8	No	No	No	Yes	Yes	Yes
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana
N S	8	N <sub>o</sub>	No	No	No	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	Yes	Yes	Yes	Yes	Yes	Yes	8 N	No	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	No	N <sub>o</sub>	No	No	8 N	8 N	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	Yes	Yes	Yes	Yes	Yes	Yes
Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Earth	Concrete	Earth	Concrete	Earth	Concrete	Earth	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Earth	Concrete	Earth	Earth	Earth	Earth	Concrete	Earth	Earth	Earth	Earth	Earth	Earth							
RECT	KECI	2-RCB	RECT	RECT	3-RCB	RECT BRDG	RECT	2-RCB	RECT	RECT	2-RCB	RECT	RECT	TRAP	TRAP	TRAP BRDG	TRAP	TRAP BRDG	TRAP	TRAP	TRAP	3-RCB	TRAP	3-RCB	TRAP	2-RCB	TRAP	3-RCB	3-RCB	3-RCB	RCB	RCB	RCB	TRAP	RCB	TRAP	TRAP BRDG	TRAP	TRAP	RCB	TRAP	TRAP BRDG	TRAP	TRAP	TRAP BRDG	TRAP
MOODY CREEK CHANNEL	MOODY CREEK CHANNEL	MOODY CREEK CHANNEL	MOODY CREEK CHANNEL	MOODY CREEK CHANNEL	MOODY CREEK CHANNEL	MOODY CREEK CHANNEL	MOODY CREEK CHANNEL	MOODY CREEK CHANNEL	MOODY CREEK CHANNEL	MOODY CREEK CHANNEL	MOODY CREEK CHANNEL	MOODY CREEK CHANNEL	MOODY CREEK CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	LOS ALAMITOS CHANNEL	BOLSA CHICA CHANNEL	<b>BOLSA CHICA CHANNEL</b>	BOLSA CHICA CHANNEL	BOLSA CHICA CHANNEL	BOLSA CHICA CHANNEL	BOLSA CHICA CHANNEL
18070106	180/0106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070201	18070201	18070201	18070201	18070201	18070201
<b>6</b>	9	В	В	В	В	В	В	В	В	В	В	В	В	S	C	S	U	C	C	C	C	C	S	S	C	S	S	U	O	O	S	C	ပ	S	J	C	O	S	S	C	S	C	S	U	O	O
Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	<b>Underground Conduit</b>	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Earth Channel	Underground Conduit	Earth Channel	Underground Conduit	Earth Channel	Underground Conduit	Earth Channel	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Earth Channel	Underground Conduit	Earth Channel	Earth Channel	Earth Channel	Earth Channel	Underground Conduit	Earth Channel	Earth Channel	Earth Channel	Earth Channel	Earth Channel	Earth Channel							
B02	R02	B02	B02	B02	B02	B02	B02	B02	B02	B02	B02	B02	B02	C01	C01	C01	C01	C01	C01	C01	C01	C01	C01	C01	C01	C01	C01	C01	C01	C02	C02	C02	C02	C02	C02											
647	648	649	650	651	652	653	654	655	959	657	859	629	099	661	693	664	999	999	299	699	670	671	672	673	675	9/9	212	829	629	681	682	683	982	989	289	889	689	069	691	692	693	694	695	269	869	669

-118.04306985000	-118.04315785000	-118.04303318000	-118.04303028000	-118.04301004000	-118.04299024000	-118.04292775000	-118.04239821000	-118.03516730000	-118.03433122000	-118.03350587000	-118.03317911000	-118.03280590000	-118.03199075000	-118.03104965000	-118.03062087000	-118.02997916000	-118.02952440000	-118.02864285000	-118.02864941000	-118.02865596000	-118.02865316000	-118.02864014000	-118.02862501000	-118.02862164000	-118.02861865000	-118.02861543000	-118.04224556000	-118.03480384000	-118.02995913000	118.02604948000	-118.02522363000	-118.02482502000	-118.02447926000	-118.02440258000	-118.02435833000	-118.01595626000	-118.01323409000	-118.01041352000	-118.01015581000	-118.00949741000	-118.00870660000	-118.00836451000	-118.00534571000	-118.00361666000	-118.00257590000	-118.00137306000
33.75845145000	33.75405219000	33.75873106000	33.75902273000	33.75964027000	33.76666591000	33.77371710000	33.77818561000	33.79580321000	33.79626495000		33.79692684000		33.79759312000			33.79871448000	33.79904313000	33.80210368000	33.80264634000	33.80313933000	33.80339044000	33.80455430000	33.80551994000	33.80564623000	33.80609427000	33.80650278000	33.75022566000	33.75555039000	33.75899139000	33.76177239000	33.76234470000	33.76255042000			33.76268277000	33.76864239000	33.77055367000	33.77253375000	33.77270439000	33.77311859000	33.77369593000	33.77391895000	33.77588267000	33.77701619000	33.77770018000	33.77849930000
48	2835	20	187	95	4801	100	617	21	522	2	256	15	614	22	215	300	68	24	352	20	66	669	48	102	44	44	98	770	186	20	49	215	36	6	10	143	2021	191	10	473	150	122	1305	20	745	180
14.0	14.0	14.0	14.0	14.0	13.0	13.5	3.4	9.0	10.5	10.5	10.5	10.5	10.5	11.0	10.5	10.5	10.5	0.9	8.0	8.0	8.5	8.5	8.0	8.0	8.0	8.0	10.0	13.0	10.0	14.0	10.0	9.0	11.0	11.0	11.0	10.5	12.5	12.5	12.5	12.5	10.0	14.0	14.0	14.0	14.0	11.0
54.000	80.000	54.000	54.000	54.000	80.000	80.000	13.500	20.000	15.000	15.000	15.000	15.000	15.000	13.000	15.000	7.000	8.000	10.000	12.000	15.000	14.000	14.000	13.000	13.000	17.500	17.500	64.000	68.000	48.000	63.000	40.000	40.000	40.000	40.000	40.000	48.000	45.000	45.000	45.000	45.000	24.000	14.000	14.000	14.000	14.000	24.000
Yes	No	No	No	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	No	N <sub>o</sub>	No	No	No	No	No	8 N	No	No	No	No	N <sub>o</sub>	No	N <sub>o</sub>	No	N <sub>o</sub>	8	No	No																	
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana																												
Yes	Yes	Yes	Yes	No	No	No	No	No	No	N <sub>o</sub>	No	No	No r	No	Yes	No	No	No	No	No	No	N <sub>o</sub>	No																							
Earth	Earth	Earth	Earth	Earth	Earth	Rip-Rap	Concrete	Concrete	Earth	Earth	Earth	Earth	Riprap/Earth	Concrete	Riprap	Riprap	Riprap	Rip-Rap	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete									
TRAP	TRAP	TRAP BRDG	TRAP	TRAP	TRAP	TRAP	RECT	2-RCB	TRAP	TRAP BRDG	TRAP	TRAP BRDG	TRAP	RCB	TRAP	TRAP	TRAP	TRAP	RCB	4-RCB	RECT	3-RCB	RECT	RECT	4-RCB	RECT	RECT	RECT	RCB	RECT	RECT	TRAP BRDG	RECT	2-RCB	TRAP	TRAP	TRAP BRDG	TRAP	2-RCB							
BOLSA CHICA CHANNEL		ANAHEIM-BARBER CITY CHANNEL	ANAHEIM-BARBER CITY CHANNEL			ANAHEIM-BARBER CITY CHANNEL																																								
18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201
U	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	S	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	S	C	C	C	O	C	U
Earth Channel	Riprap Channel	Concrete-Lined	Underground Conduit	Earth Channel	Earth Channel	Earth Channel	Earth Channel	Riprap Channel	Underground Conduit	Riprap Channel	Riprap Channel	Riprap Channel	Riprap Channel	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit													
C02	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	603	C03	603	603	603	C03	C03	C03																										
200	701	702	703	705	902	707	208	716	717	718	719	720	721	722	723	724	725	727	728	729	730	731	732	733	734	735	736	737	739	740	742	743	744	745	746	749	750	751	752	753	754	755	757	758	759	260

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803 108	1528	236	289	1969	754	1301	77	25	1367	44	39	129	25	198	717	132	132	1035	1049	51	101	204	110	99	1449	101	1021	62	1144	10	41	1216	151	982	136	129	129	470	902	106	731	102	1877	9/	40
14.0 13.0	13.0	10.0	10.0	10.0	11.5	12.0	10.0	12.0	11.0	11.5	11.5	12.0	12.0	9.0	10.0	10.0	10.0	11.0	12.0	10.0	10.0	12.0	10.0	10.0	12.0	10.0	12.0	10.0	12.0	12.0	12.0	11.5	9.0	12.5	9.0	0.0	9.0	13.0	13.0	5.0	14.0	8.0	11.0	8.0	10.0
14.000	12.000	24.000	12.000	12.000	12.000	13.000	22.000	13.000	13.000	13.000	15.000	13.000	13.000	22.000	14.000	14.000	20.000	13.000	13.000	20.000	20.000	13.000	20.000	20.000	11.000	20.000	11.000	20.000	11.000	11.000	11.000	11.000	19.000	11.000	18.000	11.000	18.000	10.000	10.000	24.000	9.000	16.000	8.000	16.000	00009
0 0 2 0	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No
Santa Ana Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana
0 N	No	No	No	N <sub>o</sub>	No	N <sub>o</sub>	No	No	No	8	N <sub>o</sub>	No	No	N <sub>o</sub>	8	No	No	No	No	No	No	No	No	No	No	No	No																		
Concrete Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
TRAP TRAP BRDG	TRAP	2-RCB	TRAP	TRAP	TRAP	TRAP	2-RCB	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	2-RCB	TRAP	TRAP	2-RCB	TRAP	TRAP	2-RCB	2-RCB	TRAP	2-RCB	2-RCB	TRAP	2-RCB	TRAP	2-RCB	TRAP	TRAP BRDG	TRAP	TRAP	2-RCB	TRAP	2-RCB	TRAP	RCB	TRAP	TRAP	3-RCB	TRAP	2-RCB	TRAP	2-RCB	TRAP
		ANAHEIM-BARBER CITY CHANNEL		ANAHEIM-BARBER CITY CHANNEL											ANAHEIM-BARBER CITY CHANNEL																														
18070201 18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201
o o	S	O	C	U	O	C	C	C	O	C	O	C	C	C	C	C	C	C	O	O	C	S	C	C	O	S	O	U	O	C	O	O	U	C	C	C	C	C	C	C	S	S	S	O	C
Concrete-Lined Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined
£003	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03
761 762	292	99/	167	292	770	772	773	774	775	176	777	778	779	780	781	782	783	784	785	286	787	788	789	790	791	792	793	794	795	962	767	798	799	800	801	802	803	804	802	908	807	808	809	810	811

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910	75	1480	20	790	115	170	∞	2231	231	1705	256	204	205	241	360	138	82	1164	480	107	40	240	343	969	820	80	289	70	334	61	572	249	253	909	31	540	34	137	856	13	528	1379	82	1514	829	105
10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	12.0	9.0	13.0	13.0	13.0	13.0	13.0	13.0	9.0	12.5	13.5	13.5	9.0	13.0	10.5	9.3	10.0	11.0	9.5	12.0	12.0	12.0	9.5	12.0	12.0	9.5	8.5	9.7	8.5	8.5	7.0	8.5	8.5	8.5	8.5	9.0	9.0	9.0	6.1
48.000	48.000	48.000	48.000	48.000	48.000	48.000	48.000	40.000	36.000	24.000	24.000	24.000	24.000	24.000	24.000	36.000	37.500	27.000	27.000	40.000	40.000	38.000	24.000	40.000	38.000	36.000	38.000	38.000	38.000	36.000	38.000	38.000	36.000	37.000	36.000	37.000	30.000	32.000	25.000	24.000	25.000	25.000	24.000	25.000	25.000	18.000
No	N <sub>o</sub>	N <sub>o</sub>	No	No	No	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No												
Santa Ana																																														
Yes	No	N <sub>o</sub>																																												
Earth	Concrete	Earth	Concrete	Earth	Earth	Earth	Earth	Concrete	Concrete	Earth	Earth	Concrete																																		
TRAP	TRAP BRDG	TRAP	TRAP BRDG	TRAP	TRAP BRDG	TRAP	TRAP	TRAP	3-RCB	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	3-RCB	RECT	TRAP	TRAP	4-RCB	RECT	RECT	RCP-2-RCB	RECT	RECT	3-RCB	RECT	TRAP BRDG	RECT	3-RCB	RECT	RECT	3-RCB	RECT	3-RCB	RECT	RECT	2-RCB	RECT	2-RCB	RECT	RECT	2-RCB	RECT	RECT	3-RCB
WESTMINSTER CHANNEL																																														
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U	J	S	U	C	U	S	S	O	O	S	C	C	C	C	C	C	C	C	S	U	O	S	U	C	O	C	C	C	S	U	C	C	C	C	C	C	C	C	C	C	J	J	U	O	O	O
Earth Channel	Underground Conduit	Earth Channel	Underground Conduit	Earth Channel	Concrete-Lined	Earth Channel	Earth Channel	Earth Channel	Earth Channel	Underground Conduit	Concrete-Lined	Earth Channel	Earth Channel	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit						
C04																																														
812	814	815	816	817	818	819	820	821	822	823	824	825	826	827	878	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	820	851	852	853	854	855	856	857	828	829

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33.75579516000	33.75581065000	33.75582241000	33.75583481000	33.75598006000	33.75589863000	33.75579144000	33.75586275000	33.75590915000	33.75592778000	33.75595232000	33.75760027000	33.71737814000	33.71742076000	33.71743649000	33.71745056000	33.71747066000	33.71748390000	33.71748281000	33.71751646000	33.71752658000	33.71753521000	33.71761414000	33.71771186000	33.71786199000	33.72031913000	33.72295484000	33.72587996000	33.72619366000	33.72681168000	33.72685698000	33.72781089000	33.72875616000	33.72882527000	33.72949058000	33.73032967000	33.73224113000	33.73402793000	33.73526656000	33.73700026000	33.73768538000	33.73899237000	33.73910771000	33.73917776000	33.73925453000	33.73929714000	33.73934831000
1317	984	81	315	1960	210	200	400	490	82	1092	1241	2542	100	1242	1300	86	1191	43	661	77	809	25	187	154	2799	239	40	449	15	48	1447	53	46	1054	277	2768	93	1888	901	240	2568	83	62	62	846	106
10.0	8.0	7.0	8.0	10.0	0.9	9.0	9.5	9.5	6.3	9.5	9.0	11.6	11.6	10.0	13.6	14.1	14.4	14.4	15.4	12.5	13.8	13.8	16.4	16.4	13.0	10.0	10.0	12.0	13.0	13.0	13.0	10.0	13.0	10.0	9.5	11.5	9.5	11.0	11.0	9.5	10.0	9.5	8.5	8.5	10.5	6.5
35.000	35.000	32.000	35.000	35.000	18.000	10.000	10.000	10.000	18.000	10.000	10.000	70.000	70.000	40.000	75.000	000.09	75.000	75.000	60.000	000.09	000.09	000.09	60.000	60.000	20.000	30.000	57.000	000.09	60.000	60.000	60.000	60.000	60.000	18.000	24.000	16.000	24.000	16.000	16.000	24.000	14.000	24.000	20.000	20.000	12.000	22.000
8	No	Yes	No	N <sub>o</sub>	No																																									
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana												
N <sub>o</sub>	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	N <sub>o</sub>	No	No	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	No	No	8	No	oN di	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>													
Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Riprap	Riprap	Riprap	Concrete	Riprap	Riprap	Earth	Earth	Earth	Concrete	E Concrete	Concrete	Concrete	Concrete	E Concrete	Concrete	E Concrete	Concrete	Concrete	Earth	Concrete	Riprap	Concrete	Riprap	Concrete	Riprap	Earth	Concrete	Concrete/Rip	Concrete	Riprap	Concrete	Riprap	Concrete							
RECT	RECT	4-RCB	RECT	RECT	3-RCB	TRAP	TRAP	TRAP	3-RCB	TRAP	TRAP		TERSBURG TRAP BRDG	TERSBURG TRAP	TERSBURG RECT	TERSBURG RECT BRIDGE	TERSBURG RECT	TERSBURG RECT	TERSBURG RECT	TERSBURG RECT BRIDGE	TERSBURG RECT	TERSBURG RECT BRIDGE	TERSBURG RECT	TERSBURG RECT	TERSBURG TRAP	TERSBURG 3-RCB	TERSBURG 4-RCB	TERSBURG RECT	TERSBURG RECT	TERSBURG RECT	TERSBURG RECT	TERSBURG 4-RCB	TERSBURG RECT	TERSBURG TRAP	TERSBURG 2-RCB	TERSBURG TRAP	TERSBURG 2-RCB	TERSBURG TRAP	TERSBURG TRAP	TERSBURG 2-RCB	TERSBURG TRAP	TERSBURG 2-RCB	TERSBURG TRAP	TERSBURG 2-RCB	TERSBURG TRAP	E-WINTERSBURG 2-RCB
WESTMINSTER CHANNEL	EAST GARDEN GROVE-WINTERSBURG TRAP	EAST GARDEN GROVE-WIN																																												
18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201
U	C	S	O	C	C	U	C	C	C	O	C	C	C	C	C	S	S	C	C	S	C	C	C	C	C	O	U	S	C	C	S	C	C	C	C	C	C	C	C	C	C	U	C	U	S	C
Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Riprap Channel	Riprap Channel	Riprap Channel	Underground Conduit	Riprap Channel	Riprap Channel	Earth Channel	Underground Conduit	Earth Channel	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	<b>Underground Conduit</b>	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Riprap Channel	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Riprap Channel	Underground Conduit	Riprap Channel	<b>Underground Conduit</b>	Riprap Channel	Riprap Channel	Underground Conduit	Concrete-Lined	Underground Conduit	Riprap Channel	Underground Conduit	Riprap Channel	Underground Conduit
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717 03636	-11/.95625025000	-11/.93338039000	-11/.95505/92000	117.33304702000	-11/.95299/12000	-11/.932/32	-11/.93212386000	-11/.950146	-117.92886571000	-117.92753410000	-117.92628091000	-117.92491222000	-117.92460627000	-117.92462562000	-117.92414751000	-117.92386854000	-117.92226752000	-117.92033605000	-117.91729132000	-117.91470032000	-117.91436492000	-117.91308803000	-117.91223036000	-117.91201538000	-117.91183646000	-117.91181408000	-117.91178362000	-117.91038072000	-117.91025179000	-117.90546078000	-117.90365948000	-117.90269566000	-117.90215028000	-117.99608475000	-117.99185034000	-117.98908337000	-117.98587598000	-117.98175399000	-117.98051391000	-117.97787345000	-117.97657435000	-117.97573254000	-117.97489768000	-117.97441738000	-117.97336635000	-117.97183449000	-117.97077568000
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	EAST GARDEN GROVE-WINT	EAST GARDEN GROVE-WINT				AST GANDEN GROVE-WINT	EAST GARDEN GROVE-WINTERSBURG	ASI GANDEN GROVE-WINI	EAST GARDEN GROVE-WINTERSBURG	EAST GARDEN GROVE-WINTERSBURG	EAST GARDEN GROVE-WINT	EAST GARDEN GROVE-WINT	EAST GARDEN GROVE-WINTERSBURG	EAST GARDEN GROVE-WINT	EAST GARDEN GROVE-WINTERSBURG	EAST GARDEN GROVE-WINT	EAST GARDEN GROVE-WINTERSBURG	EAST GARDEN GROVE-WINT	EAST GARDEN GROVE-WINTERSBURG	EAST GARDEN GROVE-WINT	EAST GARDEN GROVE-WINT	EAST GARDEN GROVE-WINTERSBURG	EAST GARDEN GROVE-WINT	EAST GARDEN GROVE-WINTERSBURG	EAST GARDEN GROVE-WINT	EAST GARDEN GROVE-WINTERSBURG	EAST GARDEN GROVE-WINT	EAST GARDEN GROVE-WINT	OCEAN VIEW CHANNEL	OCEAN VIEW CHANNEL	OCEAN VIEW CHANNEL	OCEAN VIEW CHANNEL	OCEAN VIEW CHANNEL	CEAN VIEW CHANNEL	OCEAN VIEW CHANNEL	CEAN VIEW CHANNEL	CEAN VIEW CHANNEL	OCEAN VIEW CHANNEL	OCEAN VIEW CHANNEL	OCEAN VIEW CHANNEL	CEAN VIEW CHANNEL	OCEAN VIEW CHANNEL					
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117 96912420000	-117.96591150000	117 96318535000	000000000	117.96079003000	-117.95661931000	-117.95450230000	-117.93715524000	-117.93274265000	-118.05333481000	-118.04744255000	-118.04184049000	-118.04150611000	118.04129669000	-118.04129031000	-118.03915925000	-118.03738151000	-117.96869485000	-117.97204042000	-117.97315993000	-117.97406580000	-117.97414167000	-117.97423837000	-117.97502405000	-117.97599013000	-117.97846641000	-117.97956678000	-117.98168331000	-117.98435621000	-117.98559888000	-117.98609307000	117.98614120000	-117.98619415000	-117.98624073000	-117.98628921000	-117.98632978000	-117.98636238000	-117.98639243000	-117.98657015000	-117.98660361000	-117.98660702000	-117.98661143000	-117.98664368000	-117.98672303000	-117.98671126000	-117.98675541000	-117.98679312000	-117.98692505000
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22 71767996000	33.71756632000	33.71784356000	33.71704330000	33./1/90021000	33./180048/000	33.71806800000	33.71993692000	33.71996493000	33.72251716000	33.72437652000	33.72441356000	33.72460091000	33.72487981000	33.72567219000	33.72624168000	33.72625591000	33.64047959000	33.64244687000	33.64334765000	33.64434245000	33.6445115000	33.64458410000	33.64613037000	33.64869683000	33.64882062000	33.64881447000	33.64888130000	33.64940608000	33.65123738000	33.65199187000	33.65202603000	33.65206365000	33.65209960000	33.65213679000	33.65218142000	33.65222487000	33.65227430000	33.65468226000	33.65715795000	33.65734869000	33.65761455000	33.66127701000	33.66489227000	33.66617151000	33.66759685000	33.66791621000	33.66882624000
418	1630	60	20	13/9	1162	122	102	1474	1112	3407	28	180	09	529	931	10	2100	152	843	69	16	96	1098	860	479	42	1220	465	865	20	20	20	70	70	20	70	20	1670	30	41	80	2351	83	775	185	22	220
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2.PCB	RECT	) PCB	Z-NCB	IKAP	IKAP	2-RCB	2-RCB	TRAP	RCB	TRAP	RECT	2-RCB	RECT	TRAP	TRAP	TRAP BRDG	IRR TRAP	RECT BRDG	IRR TRAP	IRR TRAP	RECT BRDG	RECT	IRR TRAP	RECT	RECT	RCB	RECT	4-RCB	RECT	4-RCB	RECT	RECT	3-RCB	RECT													
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900	900	900	9 5	907	900	900	900	900	C07	C07	C07	C07	C07	C07	C07	C07	D01																														
050	096	961	100	796	963	964	296	896	696	970	971	972	973	974	975	926	716	8/6	979	086	981	982	983	984	985	986	286	886	686	066	991	992	993	994	995	966	266	866	666	1000	1001	1002	1003	1004	1005	1006	1007

-117.96130600000	-117.96107290000	-117.96076518000	-117.96048093000	-117.96073868000	-117.96649473000	-117.96675330000	-117.96664932000	-117.96680966000	-117.96667153000	-117.96668212000	-117.96673286000	-117.96678645000	-117.96683998000	-117.96689610000	-117.96690696000	-117.96695611000	-117.96699252000	-117.96700719000	-117.96702949000	-117.96705708000	-117.96707725000	-117.96710189000	-117.96714689000	-117.96717995000	-117.96721086000	-117.96727110000	-117.96730188000	-117.95141648000	-117.93526309000	-117.93345061000	-117.92999547000	-117.92653512000	-117.92602149000	-117.92466183000	-117.92235020000	-117.92090090000	-117.91744816000	-117.91417005000	-117.91362823000	-117.91218938000	-117.91124756000	-117.91027733000	-117.91008627000	-117.91010062000	-117.91009951000	-117.91008320000
33.63211280000	33.63237639000	33.63272436000	33.63304580000	33.63504148000	33.64324829000	33.65050911000		33.65301146000	33.65670544000	33.65776453000	33.66141360000	33.66502753000	33.66862129000	33.67226642000	33.67360929000	33.67712058000	33.67953067000	33.68139535000	33.68344451000	33.68518974000	33.68679158000	33.68854504000	33.69206306000	33.69405997000	33.69589972000	33.69949711000			33.69149654000			33.69135274000		33.69136614000		33.69138514000	33.69140600000	33.69146132000	33.69151771000	33.69199266000	33.69262411000	33.69403698000	33.69572030000	33.69785706000	33.70003166000	
515	155	160	110	1520	79	101	63	1638	504	66	2300	75	2200	107	200	1616	73	1090	53	886	102	1179	1234	81	1230	1296	102	1447	200	75	2025	37	208	260	784	30	1081	24	526	547	40	1088	80	1376	110	1092
12.0	12.0	10.0	12.0	0.0	8.0	8.0	11.0	12.0	12.0	8.0	12.5	10.0	12.5	8.0	12.2	12.2	8.0	11.0	10.0	10.0	7.0	10.0	9.0	7.0	7.0	7.0	6.0	20.0	10.5	10.0	16.0	10.0	14.0	12.0	14.0	10.5	10.5	10.5	10.5	14.8	10.0	14.0	8.0	14.0	8.0	14.0
130.000	150.000	150.000	150.000	60.000	72.000	80.000	103.000	110.000	110.000	80.000	110.000	80.000	110.000	76.000	110.000	100.000	80.000	100.000	35.000	35.000	32.000	22.000	22.000	24.000	20.000	16.700	16.000	60.000	24.000	36.000	25.000	36.000	25.000	36.000	25.000	36.000	28.000	28.000	24.400	7.500	26.000	7.500	20.000	12.500	20.000	12.500
N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana
Yes	al Yes	al Yes	al Yes	Yes	Yes	N <sub>o</sub>	al No	al No	al No	No	al No	No	al No	N <sub>o</sub>	al No	al No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	h No	No	N <sub>o</sub>	No	No	No	No	No	8 N	N <sub>o</sub>	N <sub>o</sub>	8
Earth	Steel/Natural Yes	Steel/Natural Yes	Steel/Natural Yes	Earth	Concrete	Concrete	Steel/Natural No	Steel/Natural No	Steel/Natural No	Concrete	Steel/Natural No	Concrete	Steel/Natural No	Concrete	Steel/Natural	Steel/Natural No	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Earth	Concrete	Earth	Concrete	Riprap/Earth	Concrete	Concrete	Concrete	Concrete	Rip-Rap	Concrete	Rip-Rap	Concrete	Rip-Rap	Concrete	Rip-Rap
TRAP	RECT	RECT BRDG	RECT BRDG	TRAP	8-RCB	8-RCB	RECT	RECT	RECT	8-RCB	RECT	8-RCB	RECT	8-RCB	RECT	RECT	8-RCB	RECT	RECT	RECT	4-RCB	TRAP	TRAP	3-RCB	RECT	RECT	2-RCB	RECT	TRAP	3-RCB	TRAP	3-RCB	TRAP	3-RCB	TRAP	3-RCB	2-RCB	2-RCB	2-RCB	TRAP	2-RCB	TRAP	2-RCB	TRAP	2-RCB	TRAP
TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	TALBERT CHANNEL	GREENVILLE-BANNING CHANNEL	GREENVILLE-BANNING CHANNEL	GREENVILLE-BANNING CHANNEL	GREENVILLE-BANNING CHANNEL	GREENVILLE-BANNING CHANNEL	GREENVILLE-BANNING CHANNEL	GREENVILLE-BANNING CHANNEL	GREENVILLE-BANNING CHANNEL	GREENVILLE-BANNING CHANNEL	GREENVILLE-BANNING CHANNEL	GREENVILLE-BANNING CHANNEL	GREENVILLE-BANNING CHANNEL	GREENVILLE-BANNING CHANNEL	GREENVILLE-BANNING CHANNEL	GREENVILLE-BANNING CHANNEL	GREENVILLE-BANNING CHANNEL	GREENVILLE-BANNING CHANNEL	GREENVILLE-BANNING CHANNEL	GREENVILLE-BANNING CHANNEL
18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070201	18070201	18070201	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203
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Earth Channel	Metal Sheet Channel	Metal Sheet Channel	Metal Sheet Channel	Earth Channel	Underground Conduit	Underground Conduit	Metal Sheet Channel	Metal Sheet Channel	Metal Sheet Channel	Underground Conduit	Metal Sheet Channel	Underground Conduit	Metal Sheet Channel	Underground Conduit	Metal Sheet Channel	Metal Sheet Channel	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Earth Channel	Underground Conduit	Earth Channel	Underground Conduit	Riprap Channel	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Riprap Channel						
D02	D02	D02	D02	D02	D02	D02	D02	D02	D02	D02	D02	D02	D02	D02	D02	D02	D02	D02	D02	D02	D02	D02	D02	D02	D02	D02	D02	D03																		
1009	1010	1011	1012	1013	1017	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1049	1050	1051	1052	1053	1054	1055	1056	1059	1061	1062	1063	1064	1065	1066	1067	1068	1069

-117.91007012000	-117.91007664000	-117.91009867000	-117.91011036000	-117.91011693000	-118.02436886000	-117.91014553000	-117.91005880000	-117.90876746000	-117.90835332000	-117.90778519000	-117.93761126000	-117.93731082000	-117.93600176000	-117.93462867000	-117.96541471000	-117.96304071000	-117.96267792000	-117.96070068000	-117.95838203000	-117.95841213000	-117.95844780000	-117.95822514000	-117.95598291000	-117.95411261000	-117.95312243000	-117.95200376000	-117.95203519000	-117.95205420000	-117.95169169000	-117.95072171000	-117.94776682000	-117.94548078000	-117.94352621000	-117.94161001000	-117.94126502000	-117.94128090000	-117.94129834000	-117.94078380000	-117.93717512000	-117.93712657000	-117.93705223000	-117.93703531000	-117.93702011000	-117.95788334000	-117.95725009000	-117.95601843000
33.70360275000	33.70471012000	33.70715544000	33.70875825000	33.71195526000	33.73228215000	33.71516870000	33.71786376000	33.72022366000	33.72188462000	33.72350946000	33.66740922000	33.66724224000	33.66688422000	33.66409173000	33.68386605000	33.68387477000	33.68387911000	33.68389341000	33.68522029000	33.68684179000	33.68843657000	33.69035113000	33.69050920000	33.69050957000	33.69051719000	33.69224155000	33.69414760000	33.69599153000	33.69773821000	33.69779567000	33.69781671000	33.69782877000	33.69783982000	33.69844093000	33.70021269000	33.70185104000	33.70287932000	33.70374439000	33.70378242000	33.70379054000	33.70495638000	33.70614462000	33.70619354000	33.62986135000	33.63103571000	33.63452142000
100	649	1010	85	2162	30	100	1822	09	1254	20	33	154	516	544	925	100	82	1017	673	101	1031	322	1017	120	493	1215	80	1157	74	450	1267	102	1060	233	1061	100	575	180	7	21	099	∞	∞	6	116	2260
8.0	12.5	12.5	8.0	13.0	12.0	7.5	9.5	7.0	9.5	0.9	10.0	10.0	5.0	2.0	10.0	10.0	7.0	9.0	10.0	7.0	12.5	12.5	12.5	7.0	12.5	12.5	7.0	0.9	6.0	12.0	13.0	7.0	12.0	7.0	12.0	8.0	13.0	13.5	0.9	0.9	0.9	0.9	7.0	16.4	16.4	
18.000	12.000	12.000	18.000	12.000	40.000	12.000	000.9	9.000	000'9	8.000	48.000	12.000	000.9	000'9	65.000	54.000	36.000	65.000	50.000	30.000	31.000	29.000	29.000	27.000	29.000	29.000	27.000	16.000	16.000	14.000	000'9	18.000	000.9	20.000	4.000	12.000	4.000	4.000	10.000	10.000	10.000	10.000	7.000	410.000	410.000	410.000
No No	%	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	No	No	N <sub>o</sub>	N <sub>o</sub>	No	No	N <sub>o</sub>	No	No	No	No	No	No	N <sub>o</sub>	No	N <sub>o</sub>	No	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	No No	No	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	8 N	N <sub>o</sub>	8 N
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana				
N <sub>o</sub>	N <sub>o</sub>	8	N <sub>o</sub>	N <sub>o</sub>	oN c	No	No	No	N <sub>o</sub>	N <sub>o</sub>	No	No	N <sub>o</sub>	No	N <sub>o</sub>	No	N <sub>o</sub>	No	No	8 8	No	at No	at No	N <sub>o</sub>	at No	at No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	No	8	No	No	Yes	Yes	Yes						
Concrete	Rip-Rap	Rip-Rap	Concrete	Rip-Rap	Earth/Riprap	Concrete	Earth	Concrete	Earth	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete/Nat No	Concrete/Nat No	Concrete	Concrete/Nat No	Concrete/Nat No	Concrete	Rip-rap	Rip-rap	Rip-rap	Rip-rap	Concrete	Rip-rap	Concrete	Rip-rap	Concrete	Rip-rap	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Rip-rap	Rip-rap	Rip-rap
2-RCB	TRAP	TRAP	2-RCB	TRAP	TRAP BRDG	RCB	TRAP	RCB	TRAP	RCB	RECT	RCB	TRAP	TRAP	RECT	RECT	3-RCB	RECT	RECT	3-RCB	TRAP	TRAP	TRAP	3-RCB	TRAP	TRAP	3-RCB	TRAP	TRAP	TRAP	TRAP	2-RCB	TRAP	2-RCB	TRAP	RCB	TRAP	TRAP	RCB	RCB	RCB	RCB	RCP	TRAP	TRAP BRDG	TRAP
GREENVILLE-BANNING CHANNEL	WESTMINSTER CHANNEL	GREENVILLE-BANNING CHANNEL	FAIRVIEW CHANNEL	FAIRVIEW CHANNEL	FAIRVIEW CHANNEL	FAIRVIEW CHANNEL	FOUNTAIN VALLEY CHANNEL	FOUNTAIN VALLEY CHANNEL	FOUNTAIN VALLEY CHANNEL	FOUNTAIN VALLEY CHANNEL	FOUNTAIN VALLEY CHANNEL	FOUNTAIN VALLEY CHANNEL	FOUNTAIN VALLEY CHANNEL	FOUNTAIN VALLEY CHANNEL	FOUNTAIN VALLEY CHANNEL	FOUNTAIN VALLEY CHANNEL	FOUNTAIN VALLEY CHANNEL	FOUNTAIN VALLEY CHANNEL	FOUNTAIN VALLEY CHANNEL	FOUNTAIN VALLEY CHANNEL	FOUNTAIN VALLEY CHANNEL	FOUNTAIN VALLEY CHANNEL	FOUNTAIN VALLEY CHANNEL	FOUNTAIN VALLEY CHANNEL	FOUNTAIN VALLEY CHANNEL	FOUNTAIN VALLEY CHANNEL	FOUNTAIN VALLEY CHANNEL	FOUNTAIN VALLEY CHANNEL	SANTA ANA RIVER CHANNEL	SANTA ANA RIVER CHANNEL	SANTA ANA RIVER CHANNEL															
18070203	18070203	18070203	18070203	18070203	18070201	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203
Q	D	D	۵	D	O	D	O	O	D	O	D	D	D	D	D	D	D	D	D	D	O	to D	to D	O	to D	to D	D	D	O	Q	Q	D	O	D	O	D	D	D	D	D	D	D	D	Е	Е	ш
Underground Conduit	Riprap Channel	Riprap Channel	Underground Conduit	Riprap Channel	Underground Conduit	Underground Conduit	Earth Channel	Underground Conduit	Earth Channel	Underground Conduit	Concrete-Lined	<b>Underground Conduit</b>	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete Sides, Soft Botto	Concrete Sides, Soft Botto	Underground Conduit	Concrete Sides, Soft Botto	Concrete Sides, Soft Botto	Underground Conduit	Riprap Channel	Riprap Channel	Riprap Channel	Riprap Channel	Underground Conduit	Riprap Channel	Underground Conduit	Riprap Channel	Underground Conduit	Riprap Channel	Concrete-Lined	Underground Conduit	Riprap Channel	Riprap Channel	Riprap Channel				
D03	D03	D03	D03	D03	C04	D03	D03	D03	D03	D03	D04	D04	D04	D04	D05	D05	D05	D05	D05	D05	D05	D05	D05	D05	D05	D05	D05	D05	D05	D05	D05	D05	D05	D05	D05	D05	E01	E01	E01							
1070	1071	1072	1073	1074	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117

33.64112237000 -117.95398296000	117,95127066000			117.94694853000	)235000 -117.94861966000	5438000 -117.94614082000	33.67241674000 -117.94545464000	7861000 -117.94536268000	33.67654039000 -117.94419091000		3470000 -117.94231215000	3735000 -117.94223233000	33.68214626000 -117.94215005000	5953000 -117.94202272000	33.68282465000 -117.94188284000	5455000 -117.94175290000	33.68365394000 -117.94152350000	5194000 -117.94111563000	1371000 -117.94082850000	33.68528168000 -117.94068366000		5938000 -117.93908656000		3648000 -117.93671298000	7168000 -117.93601569000	3393000 -117.93733197000				5779000 -117.93375719000		9713000 -117.93013003000		33.70527969000 -117.92789748000	0801000 -117.92695470000	33.70818193000 -117.92598178000	33.70892178000 -117.92549341000	5200000 -117.92414660000	33.71278409000 -117.92294372000	5373000 -117.92184347000	33.71543066000 -117.92120018000	33.71645120000 -117.92052818000	1601000 -117.92033404000	2170000 -117.92009646000	33.71758089000 -117.91982713000	33.71797681000 -117.91959489000
33.64112	33.65062108000	33 64753636000	33.65261157000	33.66641254000	33.66010235000	33.66966438000	33.67241	33.67277861000	33.6765	33.68084566000	33.68173470000	33.68193735000	33.68214	33.68246953000	33.68282	33.68315455000	33.6836	33.68445194000	33.68501371000	33.68528	33.68610013000	33.68815938000	33.69003499000	33.69189648000	33.69297168000	33.69093393000	33.69409105000	33.69520705000	33.69592710000	33.69645779000	33.69929295000	33.70189713000	33.7033	33.70527	33.70670801000	33.70818	33.70892	33.71096200000	33.71278	33.71445373000	33.71543	33.71645	33.71674601000	33.71712170000	33.71758	33.71797
2990	23	096	1337	400	4182	1452	100	154	2612	100	80	80	80	130	80	130	230	380	30	175	25	650	380	380	280	280	280	215	185	280	579	90	1131	200	658	494	80	200	1288	100	709	150	103	230	120	200
19.5	20.2	20.2	21.7	22.5	22.0	22.5	23.0	23.0	24.0	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	28.5	28.0	27.0		25.5	25.0	26.0	24.5			23.0	20.0	20.0		17.5	14.0	14.5	14.5	17.0	14.0	14.0	21.0	22.5	22.5	22.5	22.0	21.5
400.000	370.000	375 000	370.000	365.000	365.000	365.000	365.000	365.000	365.000	246.000	246.000	246.000	246.000	246.000	246.000	246.000	246.000	246.000	246.000	246.000	241.000	246.000	246.000	246.000	246.000	246.000	246.000	236.000	246.000	246.000	160.000	160.000	160.000	160.000	160.000	160.000	160.000	160.000	160.000	160.000	160.000	160.000	160.000	160.000	160.000	160.000
8 N	N	2	2 8	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	No	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	No	No	8	No	No
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana
Yes	Yes	YPS Y	No.	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	No	8	No	N <sub>o</sub>	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	8 N	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	No	N <sub>o</sub>	No	No	N <sub>o</sub>	N <sub>o</sub>	No
Rip-rap	Rip-rap	Rin-ran	Rip-rap	Rip-rap	Rip-rap	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
TRAP	TRAP BRDG	TRAP	TRAP	TRAP	TRAP	RECT	RECT BRDG	RECT	RECT	RECT	RECT	RECT	RECT	RECT	RECT	RECT	RECT	RECT	RECT	RECT	RECT	RECT	RECT	RECT	RECT	RECT	RECT	RECT BRDG	RECT	RECT	TRAP	TRAP BRDG	TRAP	TRAP	TRAP	TRAP	TRAP BRDG	TRAP	TRAP	TRAP BRDG	TRAP	TRAP BRDG	TRAP	TRAP	TRAP	TRAP
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1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164

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1	TRAP	TRAP BRDG	TRAP	CHANNETRAP	CHANNE 3-RCB	CHANNETRAP	CHANNETRAP BRDG	CHANNETRAP	CHANNE 3-RCB	CHANNETRAP	CHANNETRAP BRDG	CHANNETRAP	CHANNETRAP	CHANNETRAP BRDG	CHANNETRAP	CHANNETRAP BRDG	CHANNETRAP	CHANNE 3-RCB	CHANNETRAP	CHANNE 3-RCB	CHANNE TRAP	CHANNETRAP BRDG	CHANNETRAP	CHANNETRAP BRDG	CHANNETRAP	2-RCB	RCB	2-RCB	2-RCB	RCB	RCB	RCB														
	SANTA ANA RIVER CHANNEL	CARBON CANYON DIVERSION CHANNETRAP	CARBON CANYON DIVERSION CHANNE 3-RCB	CARBON CANYON DIVERSION CHANNETRAP	CARBON CANYON DIVERSION CHANNETRAP BRDG	CARBON CANYON DIVERSION CHANNETRAP	CARBON CANYON DIVERSION CHANNE 3-RCB	CARBON CANYON DIVERSION CHANNETRAP	CARBON CANYON DIVERSION CHANNETRAP BRDG	CARBON CANYON DIVERSION CHANNETRAP	CARBON CANYON DIVERSION CHANNETRAP	CARBON CANYON DIVERSION CHANNETRAP BRDG	CARBON CANYON DIVERSION CHANNETRAP	CARBON CANYON DIVERSION CHANNETRAP BRDG	CARBON CANYON DIVERSION CHANNETRAP	CARBON CANYON DIVERSION CHANNE 3-RCB	CARBON CANYON DIVERSION CHANNETRAP	CARBON CANYON DIVERSION CHANNES-RCB	CARBON CANYON DIVERSION CHANNE I RAP CABBON CANXON DIVERSION CHANNETRAP	CARBON CANYON DIVERSION CHANNETBAP BRDG	CARBON CANYON DIVERSION CHANNETRAP	CARBON CANYON DIVERSION CHANNETRAP BRDG	CARBON CANYON DIVERSION CHANNETRAP	CARBON CANYON CHANNEL																						
			18070106 S	- /			18070203 S	18070203 S	18070203 S					_	_		_				_	_	_	_	_	_			18070106		_	_	18070106 C	18070106 C	18070106 C	_	18070106 C	18070106 C	_	18070106 C						
ı	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш 1	ш 1	ш	ш ,	ш ц	J LL	и п	ш	ш	ш	ш	Е	ш	ш	ш	ш	
i	Riprap Channel	<b>Underground Conduit</b>	Concrete-Lined	Concrete-Lined	Riprap Channel	<b>Underground Conduit</b>	Riprap Channel	<b>Underground Conduit</b>	Riprap Channel	Riprap Channel	Underground Conduit	Earth Channel	Underground Conduit	Earth Channel	Underground Conduit	Riprap Channel	Underground Conduit	Riprap Channel	Underground Conduit	Riprap Channel	Underground Conduit	Earth Channel	Underground Conduit																							
		1	1	1	E01	1	E01	E01	E01	E01	E01	E01	11	E01	)1	E01	E02	E02	E02	E02	E02	E02	E02	E02	E02	E02	E02	E02	E02	E02	E02	E02	E02	E02	E02 E03	E02	E02	E02	E03	0						
i	E01	E01	E01	E01	$\Xi$	E01	$\Xi$	Щ	Ш	Щ	$\Xi$	Щ	E01	Щ	E01	$\Xi$	Ш	Ш	ш	ш	Ш	Ш	Ш	Ш	Щ	Ш	Ш	Ш	Щ	ш	ш	шί			, ц	ш	ш	Ш	ш	ш	Ш	ш	ш	ш	ш	-

-117.84739339000	-117.84732604000	-117.84730495000	-117.84664281000	-117.84600665000	-117.84732623000	-117.84389126000	-117.84255243000	-117.83834059000	-117.83707583000	-117.83607434000	-117.83508548000	-117.83320185000	-117.83130304000	-117.82865044000	-117.82598466000	-117.82468807000	-117.82345420000	-117.82299257000	-117.82063111000	-117.81848078000	-117.81771698000	-117.81543536000	-117.81401485000	-117.81395916000	-117.81391711000	-117.81390500000	-117.80955426000	-117.80641351000	-117.80613969000	-117.80603514000	-117.80548715000	-117.80527597000	-117.80522526000	-117.80499841000	-117.80459686000	-117.80435293000	-117.80415942000	-117.80368616000	-117.80321635000	-117.80283156000	-117.80249078000	-117.80228889000	-117.80202141000	-117.80172107000	-117.80148441000	-117.80123669000
33.88297954000 -1	33.88319533000 -1			33.88585568000 -1	33.86761638000 -1	33.86754781000 -1	33.86756963000 -1	33.86744737000 -1	33.86722993000 -1	33.86705383000 -1	33.86679195000 -1	33.86658996000 -1	33.86661613000 -1		33.86645097000 -1	33.86635395000 -1	33.86636133000 -1	33.86634022000 -1	33.86583317000 -1	33.86549772000 -1	33.86541162000 -1	33.86516183000 -1	33.86579383000 -1	33.86610684000 -1	33.86634944000 -1	33.86640340000 -1	33.86985743000 -1	33.86985185000 -1	33.87022727000 -1					33.87275470000 -1		33.87340674000 -1	33.87355894000 -1	33.87401945000 -1	33.87449742000 -1	33.87487002000 -1	33.87543833000 -1	33.87656552000 -1	33.87734320000 -1	33.87746946000 -1	33.87759045000 -1	33.87787966000
152	23	6	718	481	1370	672	114	540	48	527	72	1031	42	1503	65	699	84	192	1183	45	341	1030	46	155	25	16	1573	211	63	203	219	62	28	179	170	81	82	345	90	09	316	462	91	73	22	191
10.0	10.0	10.0	9.0	9.0	10.0	8.5	8.5	7.5	8.0	8.0	8.0	8.5	8.0	9.5	8.0	11.5	0.9	12.0	8.5	8.0	11.0	10.5	10.5	8.0	9.5	9.5	8.0	8.0	7.0	8.0	8.0	8.0	8.0	8.0	8.0	0.9	0.9	0.9	0.9	6.7	7.0	7.0	7.0	7.0	7.0	7.0
20.000	22.000	22.000	18.000	17.000	20.000	20.000	20.000	21.000	20.000	21.000	20.000	16.000	20.000	19.000	20.000	19.000	12.000	14.000	17.000	20.000	14.000	12.000	18.900	18.000	18.900	18.900	14.000	13.000	13.000	13.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	4.000	12.000	12.000	12.000	10.700	10.700	10.700
No	N N	9 N	8 N	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	No	No	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	No	N <sub>o</sub>	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	No	N <sub>o</sub>	No	8	N <sub>o</sub>	No
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana				
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Concrete	Concrete	Concrete	Concrete	Concrete	Earth	Earth	Concrete	Earth	Concrete	Earth	Concrete	Earth	Concrete	Concrete/Nat No	Concrete/Nat No	Concrete/Nat No	Concrete	Concrete/Nat No	Earth	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
RCB	RCB	RCB	RECT	RECT	TRAP	TRAP	TRAP BRDG	TRAP	2-RCB	TRAP	2-RCB	TRAP	2-RCB	TRAP	2-RCB	TRAP	2-RCB	TRAP	TRAP	2-RCB	TRAP	TRAP	RECT	2-RCB	RECT	RECT	TRAP	RECT	RCB	RECT	RECT	RCB	RCB	RECT	RECT	2-RCB	2-RCB	2-RCB	RECT	TRAP	RCB	RCB	RCB	RCB	RCB	RCB
CARBON CANYON CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL				
18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106
ш	Е	ш	ш	Е	ш	Е	Ш	Ш	ш	Е	ш	ш	ш	tto E	Е	tto E	В	tto E	В	В	В	В	ш	ш	ш	ш	Е	Е	ш	Е	Ш	ш	ш	Е	Е	Е	Е	ш	Е	Ш	В	В	В	ш	Е	Е
Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Earth Channel	Earth Channel	Underground Conduit	Concrete Sides, Soft Botto	Underground Conduit	Concrete Sides, Soft Botto E	Underground Conduit	Concrete Sides, Soft Botto	Earth Channel	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit											
E03	E03	E03	E03	E03	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04	E04
1310	1311	1312	1313	1314	1315	1316	1317	1319	1320	1321	1322	1323	1324	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334	1335	1336	1337	1339	1340	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356	1357	1358

00098	84000	00090	123000	.70000	16000	:02000	78000	48000	:24000	55000	47000	.48000	.02000	20000	20000	32000	18000	00006	52000	25000	00068	.91000	32000	03000	00006	81000	10000	42000	00026	00066	:74000	41000	11000	.02000	:24000	:58000	45000	00086	00029	43000	45000	24000	94000	41000	:84000	01000
-117.80072936000	-117.80023284000	-117.79988606000	-117.79954823000	-117.79941670000	-117.79926916000	-117.79941502000	-117.79943928000	-117.83925448000	-117.83915624000	-117.83913455000	-117.83907647000	-117.83819748000	-117.83583402000	-117.83711150000	-117.83364320000	-117.83234822000	-117.83219718000	-117.83199490000	-117.83174352000	-117.83150925000	-117.83135089000	-117.82986791000	-117.82847532000	-117.82785003000	-117.82717090000	-117.82700481000	-117.82634510000	-117.82630142000	-117.82630897000	-117.82634899000	-117.82635874000	-117.82635641000	-117.82635711000	-117.82635702000	-117.82638424000	-117.82640458000	-117.82684845000	-117.82717098000	-117.82765967000	-117.82843643000	-117.82858845000	-117.82860124000	-117.82893294000	-117.82930241000	-117.82865384000	-117.82816301000
33.87859078000	33.87906429000	33.87933502000	33.87981037000	33.88005411000	33.88055376000	33.88101923000	33.88119548000	33.86771649000	33.86798580000	33.86817207000	33.86834169000	33.86894096000	33.87047100000	33.86964107000	33.87122344000	33.87171469000	33.87176549000	33.87183461000	33.87191928000	33.87199016000	33.87202702000	33.87232187000	33.87283830000	33.87293212000	33.87294412000	33.87294526000	33.87323066000	33.87373396000	33.87568485000	33.87825032000	33.87930269000	33.87911334000	33.87967577000	33.88025081000	33.88163104000	33.88311858000	33.88391013000	33.88441341000	33.88490292000	33.88558996000	33.88601871000	33.88652657000	33.88779486000	33.89022692000	33.89182903000	33.89220809000
387	20	235	130	64	308	15	119	84	35	95	15	655	843	160	433	22	74	09	26	38	20	831	31	352	09	32	225	110	1304	532	45	65	218	211	759	253	223	88	378	261	71	327	633	1039	113	197
7.0	7.0	7.0	0.0	7.5	7.5	9.5	7.5	10.0	10.0	11.0	11.0	10.5	13.0	10.5	13.5	9.5	14.0	9.5	12.5	9.5	9.5	11.0	9.5	10.0	10.0	8.6	8.6	8.0	9.5	9.5	9.0	9.0	9.0	8.5	8.5	8.0	9.0	8.0	9.0	8.0	8.5	8.0	8.5	8.0	7.0	6.0
10.700	10.700	10.700	11.000	10.700	10.000	10.000	10.000	000.09	60.000	48.000	48.000	20.000	20.000	33.000	20.000	27.000	28.800	27.000	28.800	27.000	27.000	17.000	27.000	17.000	17.000	24.000	22.000	18.500	16.500	16.500	15.000	15.000	15.000	15.000	15.000	15.000	9.000	15.000	9.000	9.000	14.000	9.000	14.000	9.000	10.500	12.000
8	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	N <sub>o</sub>	No	No	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	N <sub>o</sub>	No	N <sub>o</sub>	No	No	No
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana
No	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	No	N <sub>o</sub>
Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
RECT	RCB	RECT	TRAP	RCB	RCB	RCB	RCB	RECT	RECT BRDG	3-RCB	3-RCB	TRAP	TRAP	3-RCB	TRAP	3-RCB	RECT	3-RCB	RECT	3-RCB	3-RCB	TRAP	3-RCB	TRAP	TRAP	RECT	RECT	RCB	RECT	RECT	RECT BRDG	RECT	RECT	RCB	RCB	RCB	TRAP	RCB	TRAP	TRAP	RCB	TRAP	RCB	TRAP	RCB	RECT
ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	ATWOOD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL	RICHFIELD CHANNEL
18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106
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Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	<b>Underground Conduit</b>	<b>Underground Conduit</b>	Underground Conduit	<b>Underground Conduit</b>	Concrete-Lined	Concrete-Lined	<b>Underground Conduit</b>	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	<b>Underground Conduit</b>	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	<b>Underground Conduit</b>	<b>Underground Conduit</b>	<b>Underground Conduit</b>	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	<b>Underground Conduit</b>	Concrete-Lined						
E04	E04	E04	E04	E04	E04	E04	E04	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05	E05
1359	1360	1361	1362	1363	1364	1365	1366	1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380	1381	1382	1383	1384	1385	1386	1387	1388	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400	1401	1402	1403	1404	1405

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33.89340824000	33.89348083000	33.89357080000	33.89364621000	33.89453651000	33.89471351000	33.87341918000	33.87395215000	33.87448850000	33.87505425000	33.87568965000	33.87823380000	33.88086970000	33.88193237000	33.88377704000	33.88645395000	33.88765795000	33.88853934000		33.88985198000	33.89045245000	33.89108830000	33.89142234000	33.89167313000					33.80482643000	33.80537410000	33.80604540000		33.80910226000		33.81232515000		33.81571828000	33.81868335000	33.81937029000	33.81937779000	33.81931456000	33.81913804000	33.76975396000	33.76950237000	33.77927426000	33.77859131000	33.77974193000
818	84	148	63	27	106	61	328	20	251	160	1700	510	360	80	293	525	20	427	88	197	115	82	09	62	2150	179	89	73	494	74	1252	301	1290	82	1179	106	62	103	09	52	65	1545	90	45	1875	25
7.0	7.0	7.0	5.0	4.3	4.3	9.0	11.0	10.0	10.0	10.0	10.0	10.0	10.0	9.0	12.0	12.0	10.5	10.5	10.0	12.0	12.0	12.0	12.0	12.0	14.0	13.4	10.0	11.3	11.3	10.0	11.5	10.0	12.0	9.0	12.5	8.0	8.0	7.5	12.0	12.0	0.9	10.0	10.0	7.0	7.0	7.0
12.000	12.000	12.000	12.000	16.000	16.000	16.000	16.000	10.000	9.000	9.000	9.000	9.000	9.000	9.000	13.000	13.000	12.000	12.000	13.000	13.000	13.000	13.000	13.000	20.000	16.000	16.000	24.000	16.000	16.000	24.000	16.000	20.000	8.000	18.000	8.000	16.000	16.000	16.000	8.000	9.000	12.000	50.000	50.000	35.000	35.000	35.000
N <sub>o</sub>	No	No	No	No	No	No	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	8 N	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	No	No	No	No	N <sub>o</sub>	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N <sub>o</sub>	8 N	N <sub>o</sub>	No	N <sub>0</sub>
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana				
No No	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	No	No	N <sub>o</sub>	No	No	N <sub>o</sub>	No	No	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	No	N <sub>o</sub>	No	No	N <sub>o</sub>	8	No
Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Rip-rap	Rip-rap	Concrete	Rip-rap	Rip-rap	Concrete	Rip-rap	Concrete	Rip-rap	Concrete	Earth	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Earth	Earth	Soil Cement	Soil Cement	Soil Cement
RECT	RECT BRDG	RECT BRDG	RCB	2-RCB	2-RCB	RCB	RECT	RECT	RCB	RECT	RCB	RCB	RCB	RECT	RCB	RECT	RCB	RECT	TRAP	TRAP	2-RCB	TRAP	TRAP	2-RCB	TRAP	2-RCB	TRAP	2-RCB	TRAP	2-RCB	2-RCB	2-RCB	TRAP	TRAP	2-RCP	TRAP	TRAP BRDG	TRAP BRDG	TRAP	TRAP						
6 RICHFIELD CHANNEL	6 RICHFIELD CHANNEL	3 ESPERANZA CHANNEL	3 ESPERANZA CHANNEL	3 ESPERANZA CHANNEL	3 ESPERANZA CHANNEL					_	_	3 COLLINS CHANNEL			_				3 COLLINS CHANNEL	3 COLLINS CHANNEL	3 COLLINS CHANNEL	3 COLLINS CHANNEL	3 COLLINS CHANNEL	3 COLLINS CHANNEL	3 SANTIAGO CREEK CHANNEL	3 SANTIAGO CREEK CHANNEL	3 SANTIAGO CREEK CHANNEL	3 SANTIAGO CREEK CHANNEL	3 SANTIAGO CREEK CHANNEL																	
18070106	18070106	18070106	18070106	18070106	18070106	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203
Ш	ш	Е	Е	Е	Е	Е	Е	Е	Е	Ш	Е	Е	Е	Е	Е	Е	Е	Е	ш	E	E	Е	В	Е	Е	Е	ш	Е	Е	ш	Е	Е	Е	Е	Е	Е	E	ш	Е	Е	Е	Е	Е	) E	В	) E
Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	<b>Underground Conduit</b>	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	<b>Underground Conduit</b>	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Riprap Channel	Riprap Channel	Underground Conduit	Riprap Channel	Riprap Channel	Underground Conduit	Riprap Channel	Underground Conduit	Riprap Channel	Underground Conduit	Earth Channel	Underground Conduit	Underground Conduit	<b>Underground Conduit</b>	Concrete-Lined	Concrete-Lined	Underground Conduit	Earth Channel	Earth Channel	Concrete Sides, Soft Botto E	Earth Channel	Concrete Sides, Soft Botto E						
E05	E05	E05	E05	E05	E05	E06	E06	E06	E06	E06	E06	E07	E07	E07	E07	E07	E07	E07	E07	E07	E07	E07	E07	E07	E07	E07	E07	E07	E08	E08	E08	E08	E08													
1406	1407	1408	1409	1410	1411	1414	1415	1416	1418	1419	1420	1421	1422	1423	1424	1425	1426	1427	1428	1429	1430	1431	1432	1433	1438	1439	1440	1441	1442	1443	1444	1445	1446	1447	1448	1449	1450	1451	1452	1453	1454	1456	1457	1458	1459	1460

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33.66679334000 -11	33.66598116000 -11	33.66792137000 -11	33.66898360000 -11	33.66999977000 -11	33.67357527000 -11	33.67579138000 -11	33.67814965000 -11	33.67962785000 -11	33.68010594000 -11	33.68126066000 -11	33.68235970000 -11	33.68356660000 -11	33.68521157000 -11	33.68624404000 -11	33.68687720000 -11	33.72765780000 -11	33.72842857000 -11	33.72997716000 -11	33.73240629000 -11	33.73338108000 -11	33.73755507000 -11	33.74548764000 -11	33.74608288000 -11	33.74673852000 -11	33.74708433000 -11	33.74732919000 -11	33.65647378000 -11		33.65857782000 -11		33.66256250000 -11	33.66564320000 -11	33.66607831000 -11	33.65140176000 -11	33.65102651000 -11	33.65235190000 -11	33.65262124000 -11	33.65342721000 -11	33.65343380000 -11	33.65379769000 -11	33.65469340000 -11	33.65583198000 -11	33.65618103000 -11	33.65639484000 -11	33.65750226000 -11	
410	295	475	260	549	1370	1050	988	197	100	637	80	746	339	354	113	540	32	1056	501	829	193	99	438	119	248	09	528	30	1052	650	80	111	300	267	1323	477	70	70	54	1090	850	235	90	183	48	52
16.0	20.0	20.0	16.0	16.0	16.0	17.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	19.0	12.0	14.5	12.0	11.0	11.0	7.5	10.0	10.0	10.0	10.0	10.0	10.0	20.0	10.0	10.0	10.0	9.0	9.0	4.0	11.5	11.5	20.0	20.0	11.5	12.0	10.0	11.0	11.0	11.0	10.0	10.0
900.09	50.000	000.09	60.000	60.000	51.000	000.09	000.09	000.09	63.000	000.09	63.000	000.09	900.09	000.09	42.000	35.000	48.000	25.000	14.000	14.000	16.000	10.000	10.000	10.000	10.000	10.000	30.000	20.000	28.000	26.000	22.000	24.000	24.000	36.000	34.500	34.500	31.500	31.500	34.500	36.000	36.000	36.000	36.000	12.000	14.800	14.800
Yes	No	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	No	8 8	No	8 8	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	Yes	Yes	Yes	N <sub>o</sub>	Yes	Yes	Yes	Yes	Yes	Yes	No	N <sub>o</sub>	N <sub>o</sub>															
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana															
8 8	No	No	No	No	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	No	No	N <sub>o</sub>	No	No	N <sub>o</sub>	No	8 N	No	No	No																					
Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete															
3-RCB	RECT	RECT	3-RCB	3-RCB	3-RCB	RECT	RECT	RECT	3-RCB	RECT	3-RCB	RECT	RECT	RECT	RECT	TRAP	RECT	TRAP	RCB	RCB	RCB	RCP	RCP	RCP	RCP	RCP	2-RCB	TRAP	3-RCB	RCB	RCB	RCB														
SANTA ANA-DELHI CHANNEL	PETERS CANYON CHANNEL	BEE CANYON CHANNEL	BEE CANYON CHANNEL	BEE CANYON CHANNEL	BEE CANYON CHANNEL	BEE CANYON CHANNEL	BEE CANYON CHANNEL	BEE CANYON CHANNEL	AGUA CHINON CHANNEL	AGUA CHINON CHANNEL	AGUA CHINON CHANNEL	AGUA CHINON CHANNEL	AGUA CHINON CHANNEL	AGUA CHINON CHANNEL	AGUA CHINON CHANNEL	AGUA CHINON CHANNEL	AGUA CHINON CHANNEL	AGUA CHINON CHANNEL	AGUA CHINON CHANNEL	AGUA CHINON CHANNEL	AGUA CHINON CHANNEL																									
18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204		18070204		18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204
ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ч	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш.	ш	ш	ш	ш	ш	ч	ш
Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit																		
F01	F06	F17	F18																																											
1520	1521	1522	1523	1524	1525	1526	1527	1528	1529	1530	1531	1532	1533	1534	1535	1536	1537	1538	1539	1540	1541	1542	1543	1544	1545	1546	1547	1548	1549	1550	1551	1552	1553	1554	1555	1556	1557	1558	1559	1560	1561	1562	1563	1564	1565	1566

-117.73360680000	-117.73349201000	-117.76947817000	-117.76912743000	-117.76903119000	-117.76893880000	-117.76885931000	-117.76869672000	-117.76858285000	-117.76845827000	-117.76514288000	-117.76327099000	-117.69418197000	-117.69370436000	-117.69295309000	-117.69321638000	-117.69282019000	-117.69281692000	-117.69290920000	-117.69300688000	-117.69325330000	-117.69350014000	-117.69402020000	-117.69496406000	-117.81539975000	-117.65335252000	-117.62237521000	-117.74980351000	-117.88337625000	-117.88338633000	-117.88342100000	-117.92488159000	-117.84745936000	-117.76023014000	-117.76283746000	-117.87137371000	-117.87075323000	-117.87055204000	-117.87053354000	-117.87050731000	-117.87009129000	-117.86946839000	-117.86833500000	-117.86792096000	-117.88316924000	-117.88171384000	-117.88039840000
33.65758669000	33.65766197000	33.56273696000	33.56282196000	33.56284402000	33.56286574000	33.56288142000	33.56291441000	33.56294627000	33.56299087000	33.56313114000	33.56991081000	33.60755093000	33.60825892000	33.60938783000	33.60898210000	33.60978679000	33.61039240000	33.61078869000	33.61096896000	33.61123012000	33.61138011000	33.61156319000	33.61189523000	33.80215811000	33.67217535000	33.43666658000	33.66309602000	33.68752236000	33.68898777000	33.69176160000	33.70984859000	33.88258132000	33.88303395000	33.88452552000	33.79361210000	33.79437831000	33.79495308000	33.79543280000	33.79613446000	33.79705560000	33.79818397000	33.79901596000	33.79959884000	33.69418415000	33.69439892000	33.69439960000
59	451	201	13	47	14	39	64	11	75	1436	909	300	300	14	300	586	167	133	6	271	20	300	300	154	130	26	390	254	1413	1413	718	152	771	862	385	290	148	202	310	409	499	423	72	142	723	32
10.0	10.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	10.0	10.0	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	19.0	5.0	0.0	10.0	15.0	14.0			10.0	10.0	9.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	12.0	12.5	12.0
14.800	14.800	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	14.000	14.000	20.000	50.000	50.000	50.000	50.000	20.000	50.000	50.000	50.000	50.000	50.000	50.000	19.000	40.000	18.000	30.000	39.000	70.000	70.000	160.000	20.000	9.000	9.000	000.9	000.9	12.000	000.9	000'9	000.9	000.9	000.9	15.000	36.000	50.000	48.000
No	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N <sub>o</sub>	Yes	Yes	No	Yes	Yes	Yes	N <sub>o</sub>	No	No	N <sub>o</sub>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8 N	No	No
Santa Ana	Santa Ana	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	Santa Ana	Santa Ana	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana
N <sub>o</sub>	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No
Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete/Ear	Concrete/Ear	Concrete/Ear No	Concrete/Ear	Concrete/Ear No	Concrete/Ear	Concrete/Ear	Concrete/Ear	Concrete/Ear	Concrete/Ear	Concrete/Ear	Concrete/Ear	Multi-plate	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Rip-Rap	Concrete/Rip	Concrete	Rip-Rap	Concrete/Rip	Earth/Rip-Rag No	Concrete/Ear No	Concrete/Ear	Rip-Rap/Earth	Concrete	Concrete	Concrete
RCB	RCB	RECT	RCB	RECT	RCB	RECT	RECT	RCB	RECT	RCB	RCB	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	ARCH/2-RCP	TRAP BRDG	HANN RECT	3-RCB	3-RCB	5-RCB	5-RCB	TRAP	RCB	RCB	RECT	Trap	RCT	RCB	TRAP	RCT	ы	TRAP	TRAP	Trap	3-RCB	RECT	3-RCB
AGUA CHINON CHANNEL	AGUA CHINON CHANNEL	LAGUNA CANYON CHANNEL	LAGUNA CANYON CHANNEL	LAGUNA CANYON CHANNEL	LAGUNA CANYON CHANNEL	LAGUNA CANYON CHANNEL	LAGUNA CANYON CHANNEL	LAGUNA CANYON CHANNEL	LAGUNA CANYON CHANNEL	LAGUNA CANYON CHANNEL	LAGUNA CANYON CHANNEL	ALISO CREEK CHANNEL	ALISO CREEK CHANNEL	ALISO CREEK CHANNEL	ALISO CREEK CHANNEL	ALISO CREEK CHANNEL	ALISO CREEK CHANNEL	ALISO CREEK CHANNEL	ALISO CREEK CHANNEL	ALISO CREEK CHANNEL	ALISO CREEK CHANNEL	ALISO CREEK CHANNEL	ALISO CREEK CHANNEL	SANTIAGO CREEK CHANNEL	SERRANO CREEK CHANNEL	SEGUNDA DESHECHA CANADA CHANN RECT	BEE CANYON CHANNEL	SANTA ANA-DELHI CHANNEL	SANTA ANA-DELHI CHANNEL	SANTA ANA-DELHI CHANNEL	SANTA ANA RIVER CHANNEL	CARBON CANYON CHANNEL	ESPERANZA CHANNEL	ESPERANZA CHANNEL	BITTERBUSH CHANNEL	BITTERBUSH CHANNEL	BITTERBUSH CHANNEL	BITTERBUSH CHANNEL	BITTERBUSH CHANNEL	BITTERBUSH CHANNEL	BITTERBUSH CHANNEL	BITTERBUSH CHANNEL	BITTERBUSH CHANNEL	SANTA ANA-DELHI CHANNEL	SANTA ANA-DELHI CHANNEL	SANTA ANA-DELHI CHANNEL
18070204	18070204	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070203	18070204	18070301	18070204	18070204	18070204	18070204	18070203	18070106	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070204	18070204	18070204
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Underground Conduit	Underground Conduit	Concrete-Lined	<b>Underground Conduit</b>	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Concrete Sides, Soft Botto J	Concrete Sides, Soft Botto J	Concrete Sides, Soft Botto J	Concrete Sides, Soft Botto J	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	<b>Underground Conduit</b>	Concrete-Lined	<b>Underground Conduit</b>	Underground Conduit	Underground Conduit	Riprap Channel	Concrete-Lined	Underground Conduit	Riprap Channel	Concrete-Lined	Earth Channel	Concrete-Lined	Concrete-Lined	Riprap Channel	<b>Underground Conduit</b>	Concrete-Lined	Underground Conduit								
F18	F18	102	102	102	102	102	102	102	102	102	102	101	101	101	101	101	101	101	101	101	101	101	101	E08	F19	M02	F17	F01	F01	F01	E01	E03	E06	E06	E11	E11	E11	E11	E11	E11	E11	E11	E11	F01	F01	F01
1567	1568	1569	1570	1571	1572	1573	1574	1575	1576	1577	1578	1580	1581	1582	1583	1584	1585	1586	1587	1588	1589	1590	1591	1592	1595	1599	1603	1605	1606	1607	1608	1609	1610	1611	1612	1613	1614	1615	1616	1617	1618	1619	1620	1621	1622	1623

-117.87883088000	7.87 / 03854000	-117.87671597000	-117.87669070000	-117.87667316000	-117.87665441000	-117.87664295000	-117.87663184000	-117.87662593000	-117.87661490000	-117.87660697000	-117.87660605000	-117.87660522000	-117.87660078000	-117.87659368000	-117.87658974000	-117.87658468000	-117.87650107000	-117.88344689000	-117.88368021000	-117.88508981000	-117.88549612000	-117.88659504000	-117.88820408000	-117.88870864000	-117.88876782000	-117.89013451000	-117.89097765000	-117.89098952000	-117.89100806000	-117.89101842000	-117.89106407000	-117.89061911000	-117.89054376000	-117.89069279000	-117.89100839000	-117.89245218000	-117.89389543000	-117.89394187000	-117.89391696000	-117.89387744000	-117.89385036000	-117.89384086000	-117.89382939000	-117.89382758000	-117.89490292000	-117.89600738000
33.69439249000 -11			33.69999809000 -11	33.70183465000 -11	33.70367111000 -11	33.70457309000 -11	33.70544623000 -11	33.70589834000 -11	33.70673191000 -11	33.70734412000 -11	33.70746665000 -11	33.70757828000 -11	33.70817284000 -11	33.70912430000 -11	33.70965238000 -11	33.71018576000 -11	33.71557734000 -11	33.69394704000 -11	33.69665931000 -11	33.69891680000 -11	33.69934978000 -11	33.70043795000 -11	33.70237900000 -11	33.70365687000 -11		33.70546898000 -11	33.70743161000 -11	33.70856300000 -11	33.71066474000 -11	33.71198690000 -11	33.71410580000 -11	33.71622592000 -11		33.72254979000 -11	33.72348543000 -11	33.72353632000 -11	33.72362273000 -11	33.72396640000 -11	33.72474048000 -11	33.72622458000 -11	33.72722417000 -11	33.73024635000 -11	33.73359071000 -11		33.73445907000 -11	
900	727	1737	94	1171	125	534	62	175	426	142	42	12	435	220	68	281	165	80	1653	501	193	554	782	44	98	1421	82	889	822	62	1428	118	1918	593	103	738	103	48	418	587	98	2082	250	89	700	288
12.5	10.0	11.6	10.8	12.7	12.7	13.0	11.2	12.8	12.8	12.0	11.0	13.0	13.0	10.5	8.5	10.0	13.8	10.5	10.5	10.0	10.0	9.5	9.5	9.0	9.0	9.0	9.0	9.0	9.0	8.0	14.0	8.0	12.0	12.0	12.1	11.2	12.1	9.0	11.0	8.0	7.5	9.0	11.2	12.7	0.9	6.3
50.000	36.000	19.000	33.000	19.000	17.000	17.000	33.000	17.000	17.000	36.000	27.000	32.000	32.000	32.000	31.000	32.000	32.000	24.000	36.000	36.000	36.000	42.000	34.000	18.000	18.000	14.000	20.000	14.000	4.000	14.000	4.000	12.000	4.000	4.000	8.000	4.000	8.000	14.000	4.000	14.000	12.000	4.000	4.000	4.000	10.000	10.000
No No	9 2	8	8	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	No	N <sub>o</sub>	No	N <sub>o</sub>	No	No	N <sub>o</sub>	No	No	No	Yes	N <sub>o</sub>	N <sub>o</sub>	No																									
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana							
9 F	9 2	8	8	No	No	8	No	No	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	No	No	N <sub>o</sub>	No	N <sub>o</sub>	No	No	No	8 N	No	N <sub>o</sub>	No	No	No	No	No	No	N <sub>o</sub>	No	N	No	No	No						
Concrete	Concrete	Rip-rap	Concrete	Rip-rap	Rip-rap	Rip-rap	Concrete	Rip-rap	Rip-rap	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Earth	Concrete	Earth	Rip-rap	Concrete	Rip-rap	Concrete	Earth	Earth	Concrete	Earth	Concrete	Concrete	Earth	Concrete	Concrete	Rip-rap	Rip-rap	Rip-rap	Concrete	Concrete								
RECT	3-KCB	TRAP	3-RCB	TRAP	TRAP	TRAP	3-RCB	TRAP	TRAP	3-RCB	3-RCB	RECT	RECT	RECT	2-RCB	RECT	RECT	2-RCB	RECT	3-RCB	3-RCB	3-RCB	RECT	2-RCB	2-RCB	TRAP	2-RCB	TRAP	TRAP	2-RCB	TRAP	RCB	TRAP	TRAP	TRAP	TRAP	TRAP	RCB	TRAP	RCB	RCB	TRAP	TRAP	TRAP	RCB	TRAP
SANTA ANA-DELHI CHANNEL	SANTA ANA-DELHI CHANNEL	SANTA ANA-DELHI CHANNEL	SANTA ANA-DELHI CHANNEL	SANTA ANA-DELHI CHANNEL	SANTA ANA-DELHI CHANNEL	SANTA ANA-DELHI CHANNEL	SANTA ANA-DELHI CHANNEL	SANTA ANA-DELHI CHANNEL	SANTA ANA-DELHI CHANNEL	SANTA ANA-DELHI CHANNEL	SANTA ANA GARDENS CHANNEL																																			
18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070203	18070203	18070203	18070203	18070203
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Concrete-Lined	Underground Conduit	Riprap Channel	Underground Conduit	Riprap Channel	Riprap Channel	Riprap Channel	<b>Underground Conduit</b>	Riprap Channel	Riprap Channel	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Earth Channel	Underground Conduit	Earth Channel	Riprap Channel	Underground Conduit	Riprap Channel	Underground Conduit	Earth Channel	Earth Channel	Concrete-Lined	Earth Channel	Concrete-Lined	Underground Conduit	Earth Channel	Underground Conduit	Underground Conduit	Riprap Channel	Riprap Channel	Riprap Channel	Underground Conduit	Concrete-Lined
F01	7 1	F01	F01	F01	F01	F01	F01	F01	F01	F01	F01	F01	F01	F01	F01	F01	F01	F02																												
1624	5791	1626	1627	1628	1629	1630	1631	1632	1633	1634	1635	1636	1637	1638	1639	1640	1641	1642	1643	1644	1645	1646	1647	1648	1649	1650	1651	1652	1653	1654	1655	1656	1657	1658	1659	1660	1661	1662	1663	1664	1665	1666	1667	1668	1669	1670

		39000 -117.77167562000	94000 -117.76965387000	19000 -117.76761919000	20000 -117.76714506000	24000 -117.76481912000	117.76262659000	32000 -117.75960768000	28000 -117.75870154000	50000 -117.75809816000	11000 -117.75774983000	117.75729679000	32000 -117.75642311000		88000 -117.73692624000	34000 -117.73615293000	27000 -117.73435922000	117.73340683000	11000 -117.73296187000							52000 -117.81272663000		06000 -117.80820379000	97000 -117.80571541000		117.80306319000	12000 -117.80224731000	39000 -117.79992688000	33000 -117.79727636000	25000 -117.79829797000	24000 -117.79674512000	13000 -117.79604968000	04000 -117.79551856000	12000 -117.79531818000	08000 -117.79483946000	75000 -117.79406574000	30000 -117.79348271000	117.79290463000	55000 -117.79195939000	74000 -117.79087792000	36000 -117.78983993000
33.66597317000	33.66460835000	33.66394689000	33.66285694000	33.66143119000	33.66101220000	33.65735124000	33.65570149000	33.65475692000	33.65435428000	33.65409550000	33.65394611000	33.65373442000	33.65136592000	33.65050377000	33.63543338000	33.63625184000	33.63668127000	33.63603040000	33.63576711000	33.63497415000	33.63469559000	33 690779988	33.69153703000	33.69387228000	33.69615286000	33.69833962000	33.70084040000	33.70167206000	33.70374597000	33.70489549000	33.70598521000	33.70704242000	33.70915939000	33.71181653000	33.71077325000	33.71236624000	33.71308443000	33.71362804000	33.71383312000	33.71432308000	33.71476475000	33.71504180000	33.71531649000	33.71576565000	33.71629274000	33.71715986000
292	30	134	785	473	100	120	478	229	32	70	121	119	29	333	125	477	612	89	336	198	39	236	114	1734	94	2051	30	1300	144	530	138	597	82	135	142	92	87	28	168	909	87	239	195	68	279	284
		13.0	11.3	11.0	11.0	14.0	11.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	0.6	13.3	12.0	12.0	12.0	12.0	12.0	21.0	20.0	19.0	19.0	18.0	20.0	18.0	20.0	18.0	25.0	17.0	19.7	16.0	13.0	16.0	16.0	16.0	16.0	17.0	17.0	17.0	17.0	14.0	11.0	13.0
80.000	160.000	150.000	160.000	160.000	160.000	134.000	160.000	130.000	100.000	100.000	100.000	100.000	40.000	40.000	342.000	48.000	24.000	24.000	24.000	24.000	25.000	64 000	75.000	76.000	84.000	76.000	48.000	77.000	94.000	900.09	80.000	55.000	86.000	65.000	86.800	68.500	86.000	80.500	83.000	83.000	86.000	78.000	78.000	86.000	40.000	40.000
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	γργ	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	N <sub>o</sub>
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana
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Soil Cement	Soil Cement	Concrete	Soil Cement	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Rin-ran	Concrete	Rin-ran	Concrete	Rip-rap	Rip-rap	Rip-rap	Rip-rap	Rip-rap	Concrete	Concrete	Concrete	PPCB	PPCB	PPCB	Concrete	PPCB	PPCB	PPCB	Concrete	PPCB	PPCB	Concrete	Concrete	Concrete												
TRAP	TRAP	TRAP BRDG	TRAP	TRAP	TRAP BRDG	TRAP BRDG	TRAP	TRAP BRDG	TRAP	TRAP BRDG	TRAP	TRAP	TRAP	TRAP BRDG	TRAP	RECT	2-RCB	2-RCB	2-RCB	2-RCB	RCB	TRAP	RC	TRAP	TRAP BRDG	TRAP	TRAP BRDG	TRAP	TRAP BRDG	TRAP	TRAP BRDG	RECT	RECT	TRAP	RECT BRDG	TRAP	RECT	TRAP	TRAP	TRAP	RECT	TRAP	TRAP	RECT	RECT	RECT
SAN DIEGO CREEK CHANNEL	SAN DIEGO CREEK CHANNEL	SAN DIEGO CREEK CHANNEL	SAN DIEGO CREEK CHANNEL	SAN DIEGO CREEK CHANNEL	SAN DIEGO CREEK CHANNEL	SAN DIEGO CREEK CHANNEL	SAN DIEGO CREEK CHANNEL	SAN DIEGO CREEK CHANNEL	SAN DIEGO CREEK CHANNEL	SAN DIEGO CREEK CHANNEL	SAN DIEGO CREEK CHANNEL	SAN DIEGO CREEK CHANNEL	SAN DIEGO CREEK CHANNEL	SAN DIEGO CREEK CHANNEL	SAN DIEGO CREEK CHANNEL	SAN DIEGO CREEK CHANNEL	SAN DIEGO CREEK CHANNEL	SAN DIEGO CREEK CHANNEL	SAN DIEGO CREEK CHANNEL	SAN DIEGO CREEK CHANNEL	SAN DIEGO CREEK CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL
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Concrete Sides, Soft Botto F	Concrete Sides, Soft Botto F	Concrete-Lined F	Concrete Sides, Soft Botto F	Concrete Sides, Soft Botto F	Concrete Sides, Soft Botto F	Concrete Sides, Soft Botto F	Concrete Sides, Soft Botto F	Concrete Sides, Soft Botto F	Concrete Sides, Soft Botto F	Concrete Sides, Soft Botto F	Concrete Sides, Soft Botto F	Concrete Sides, Soft Botto F	Concrete Sides, Soft Botto F	Concrete Sides, Soft Botto F	Concrete Sides, Soft Botto F	Concrete-Lined F	Underground Conduit F	Underground Conduit F	Underground Conduit F	Underground Conduit F	Underground Conduit F	Rinran Channel F	Concrete Sides, Soft Botto F	Concrete Sides, Soft Botto F	Concrete Sides, Soft Botto F	Riprap Channel F	Riprap Channel F	Riprap Channel F	Riprap Channel F	Riprap Channel F	Concrete-Lined F	Concrete-Lined F	Concrete-Lined F	Concrete Sides, Soft Botto F	Concrete-Lined F	Concrete Sides, Soft Botto F	Concrete-Lined F	Concrete Sides, Soft Botto F	Concrete Sides, Soft Botto F	Concrete Sides, Soft Botto F	Concrete-Lined F	Concrete Sides, Soft Botto F	Concrete Sides, Soft Botto F	Concrete-Lined F	Concrete-Lined F	Concrete-Lined F
F05	F05	F05	F05	F05	F05	F05	F05	F05	F05	F05	F05	F05	F05	F05	F05	F05	F05	F05	F05	F05	F05	F06	F06	F06	F06	F06	F06	F06	F06	F06	F06	F06	F06	F06	F06	F06	F06	F06	F06	F06	F06	F06	F06	F06	F06	F06
1736	1737	1738	1739	1740	1741	1742	1743	1744	1745	1746	1747	1748	1749	1750	1757	1758	1759	1760	1761	1762	1763	1764	1765	1766	1767	1768	1769	1770	1771	1772	1773	1774	1775	1776	1777	1778	1779	1780	1781	1782	1783	1784	1785	1786	1787	1788

	-117.78770742000	-117.78731732000	-117.78640796000	-117.78546276000	-117.78500899000	-117.78459908000	-117.78376981000	-117.78208389000	-117.77956205000	-117.77763500000	-117.77706634000	-117.77693771000	-117.77679579000	-117.77376106000	-117.77312351000	-117.77198644000	-117.77126823000	-117.77125637000	-117.77127462000	-117.77132330000	-117.77097570000	-117.77085253000	-117.77071326000	-117.77043498000	-117.76983019000	-117.76940503000	-117.76970722000	-117.77000899000	-117.77013958000	-117.77029340000	-117.77044299000	-117.77055542000		-117.77073951000		-117.83845038000	-117.84228011000	-117.84532122000	-117.85070908000	-117.85332024000	-117.85528430000	-117.85520014000	-117.85509565000		-117.85488463000	-117.85478956000
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270	98	248	433	259	107	164	400	750	700	602	128	48	322	82	344	439	33	17	146	421	66	80	197	182	621	17	403	59	221	125	249	89	65	225	180	1555	1078	1927	84	1840	547	51	98	94	9/	64
11.0	11.0	11.0	14.0	11.0	11.0	11.0	11.0	11.0	11.0	12.0	10.0	12.0	12.0	10.0	10.0	10.0	7.5	7.5	7.5	7.5	6.5	6.5	6.5	6.5	6.5	6.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	5.8	19.0	12.0	17.0	17.0	15.0	12.0	12.0	11.7	12.0	11.7	12.0
35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	35.000	10.000	10.000	10.000	7.500	7.500	7.500	7.500	6.500	6.500	6.500	6.500	6.500	6.500	000.9	000.9	000.9	000.9	000.9	000.9	000.9	000.9	5.800	24.000	36.000	24.000	24.000	24.000	36.000	36.000	36.000	36.000	36.000	36.000
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Concrete	Concrete	Concrete	Rip-rap	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Earth	Concrete	Earth	Earth	Earth	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete														
TRAP	TRAP BRDG	TRAP	TRAP	TRAP	TRAP BRDG	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP BRDG	TRAP	TRAP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	TRAP	3-RCB	TRAP	TRAP BRDG	TRAP	3-RCB	3-RCB	3-RCB	3-RCB	3-RCB	3-RCB
PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	LANE CHANNEL	LANE CHANNEL	LANE CHANNEL	LANE CHANNEL	LANE CHANNEL	LANE CHANNEL	LANE CHANNEL	LANE CHANNEL	LANE CHANNEL	LANE CHANNEL	LANE CHANNEL																		
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Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	<b>Underground Conduit</b>	Underground Conduit	Earth Channel	Underground Conduit	Earth Channel	Earth Channel	Earth Channel	Underground Conduit																																		
F06	F06	F06	F06	F06	F06	F06	F06	F06	F06	F06	F06	F06	F06	F06	F06	F06	F06	F08	F08	F08	F08	F08	F08	F08	F08	F08	F08	F08																		
1789	1790	1791	1792	1793	1794	1795	1796	1797	1798	1799	1800	1801	1802	1803	1804	1805	1806	1807	1808	1809	1810	1811	1812	1813	1814	1815	1816	1817	1818	1819	1820	1821	1822	1823	1824	1825	1826	1827	1828	1829	1830	1831	1832	1833	1834	1835

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331	100	135	150	2292	138	295	865	235	1204	121	1928	89	1000	81	893	82	147	102	1177	312	886	283	22	111	240	33	1953	22	46	18	107	3073	86	3604	98	2507	388	797	939	84	1413	123	303	149	716	95
13.0	12.0	13.0	13.0	13.5	6.5	6.5	9.0	12.0	13.5	9.5	12.0	9.3	12.0	9.3	12.0	9.3	12.0	9.0	11.5	11.5	11.5	5.0	7.0	14.0	14.0	14.0	13.0	12.0	12.0	12.0	12.0	10.0	9.0	11.0	8.5	11.0	10.0	7.5	9.0	8.0	9.0	8.0	9.5	8.0	8.5	8.0
37.500	36.000	37.500	12.000	12.000	33.000	33.000	8.000	24.000	26.500	24.000	16.000	24.000	16.000	24.000	16.000	36.000	16.000	20.000	10.000	10.000	10.000	28.000	20.000	45.000	45.000	45.000	8.000	22.000	22.000	22.000	22.000	8.000	20.000	8.000	20.000	8.000	8.000	8.000	000.9	16.000	000.9	16.000	000.9	13.000	4.000	13.000
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Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana
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Concrete	Concrete	Concrete	Concrete	Earth	Concrete	Concrete	Concrete	Concrete	Rip-Rap	Concrete	Earth	Concrete	Earth	Concrete	Earth	Concrete	Earth	Concrete	Earth/Rip-Rag No	Earth	Earth/Rip-Rag No	Concrete	Concrete	Concrete	Concrete	Concrete	Rip-Rap	Concrete	Concrete	Concrete	Concrete	Rip-Rap	Concrete	Rip-Rap	Concrete	Rip-Rap	Concrete	Concrete	Concrete	Concrete						
RECT	3-RCB	RECT	TRAP	TRAP	3-RCB	TRAP	TRAP	2-RCB	TRAP	2-RCB	TRAP	2-RCB	TRAP	2-RCB	TRAP	3-RCB	TRAP	2-RCB	TRAP	TRAP	TRAP	2-RCB	2-RCB	3-RCB	3-RCB	3-RCB	TRAP	2-RCB	RECT2	<b>RECT2BRDG</b>	RECT2	TRAP	2-RCB	TRAP	2-RCB	TRAP	TRAP	RCB	TRAP	2-RCB	TRAP	2-RCB	TRAP	RCB	TRAP	RCB
LANE CHANNEL	LANE CHANNEL	LANE CHANNEL	LANE CHANNEL	LANE CHANNEL	LANE CHANNEL	LANE CHANNEL	LANE CHANNEL	BARRANCA CHANNEL	BARRANCA CHANNEL	BARRANCA CHANNEL	BARRANCA CHANNEL	BARRANCA CHANNEL	BARRANCA CHANNEL	BARRANCA CHANNEL	BARRANCA CHANNEL	BARRANCA CHANNEL	BARRANCA CHANNEL	BARRANCA CHANNEL	BARRANCA CHANNEL	BARRANCA CHANNEL	BARRANCA CHANNEL	BARRANCA CHANNEL	BARRANCA CHANNEL	SANTA ANA-SANTA FE CHANNEL	SANTA ANA-SANTA FE CHANNEL	SANTA ANA-SANTA FE CHANNEL			SANTA ANA-SANTA FE CHANNEL			SANTA ANA-SANTA FE CHANNEL	SANTA ANA-SANTA FE CHANNEL		SANTA ANA-SANTA FE CHANNEL		SANTA ANA-SANTA FE CHANNEL	SANTA ANA-SANTA FE CHANNEL								
18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204
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Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Earth Channel	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Riprap Channel	Underground Conduit	Earth Channel	Underground Conduit	Earth Channel	Underground Conduit	Earth Channel	<b>Underground Conduit</b>	Earth Channel	Underground Conduit	Earth Channel	Earth Channel	Earth Channel	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Riprap Channel	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Riprap Channel	Underground Conduit	Riprap Channel	Underground Conduit	Riprap Channel	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit
F08	F08	F08	F08	F08	F08	F08	F08	F09	F09	F09	F09	F09	F09	F09	F09	F09	F09	F09	F09	F09	F09	F09	F09	F10	F10	F10	F10	F10	F10	F10	F10	F10	F10	F10	F10	F10	F10	F10	F10	F10	F10	F10	F10	F10	F10	F10
1836	1837	1838	1839	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880	1881	1882

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190	305	1294	285	1559	069	495	86	543	41	150	1779	80	20	34	374	141	131	55	189	937	130	602	09	363	221	443	363	200	125	1059	91	420	009	009	220	149	340	102	548	54	291	350	150	40	721	200
8.5	17.0	14.0	14.0	14.0	14.0	14.0	11.0	11.0	0.0	8.7	16.0	11.3	16.0	16.0	16.0	16.0	15.0	15.0	14.5	13.5	15.3	14.5	14.5	15.0	10.5	10.5	12.0	12.0	11.8	11.0	9.0	9.7	9.7	6.6	10.1	8.5	8.5	8.5	8.5	8.5	8.5	5.4	5.9	7.5	5.3	5.3
4.000	65.300	61.300	61.300	42.000	000.09	42.000	54.000	54.000	50.000	44.500	25.000	25.000	25.000	20.000	25.000	20.000	20.000	50.000	50.000	25.000	49.500	25.000	48.800	50.000	49.500	49.500	50.000	34.000	28.000	28.000	20.000	16.000	14.000	12.000	10.000	18.000	18.000	18.000	18.000	18.000	18.000	14.000	10.000	14.000	14.000	12.000
N <sub>o</sub>	N <sub>o</sub>	8 8	No	No	No	N <sub>o</sub>	No	No	No	No	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	No	No	No	N <sub>o</sub>	No	No	No	No	N <sub>o</sub>	No	No	N <sub>o</sub>	% 8	No No	No	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	8 8	N <sub>o</sub>	8 8	No	N <sub>o</sub>	8 8
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana
N <sub>o</sub>	N	No	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	No	No
Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Rip-rap	Rip-rap	Rip-rap	Rip-rap	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Rip-rap	Rip-rap	Concrete	Rip-rap	Rip-rap
TRAP	RECT	5-RCB	5-RCB	TRAP	RECT	TRAP	RECT BRDG	RECT	TRAP	TRAP BRDG	TRAP	TRAP BRDG	TRAP	RECT	TRAP	RECT	RECT BRDG	RECT	RECT	TRAP	3-RCB	TRAP	3-RCB	RECT	3-RCB	3-RCB	RECT	RECT	RECT	RECT	2-RCB	TRAP	TRAP	TRAP	TRAP	2-RCB	2-RCB	2-RCB	2-RCB	2-RCB	2-RCB	TRAP	TRAP	2-RCB	TRAP	TRAP
SANTA ANA-SANTA FE CHANNEL	EL MODENA-IRVINE CHANNEL		EL MODENA-IRVINE CHANNEL		EL MODENA-IRVINE CHANNEL																																									
18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204
ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ட	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш
Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Riprap Channel	Riprap Channel	Riprap Channel	Riprap Channel	Underground Conduit	Riprap Channel	Riprap Channel	Underground Conduit	Riprap Channel	Riprap Channel					
F10	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07							
1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929

-117.81345729000	-117.81347033000	-117.81347503000	-117.81354452000	-117.81383520000	-117.81430587000	-117.81483840000	-117.81482728000	-117.81472394000	-117.81460129000	-117.81338623000	-117.81266186000	-117.81247836000	-117.81126726000	-117.81101094000	-117.81081693000	-117.81064079000	-117.81037321000	-117.80967538000	-117.80716630000	-117.80663277000	-117.80629546000	-117.80622278000	-117.80614995000	-117.80587951000	-117.80561428000	-117.80556298000	-117.80543519000	-117.80531964000	-117.80518689000	-117.80456582000	-117.80358932000	-117.80278010000	-117.80214748000	-117.80092668000	-117.80025594000	-117.84241230000	-117.84241816000	-117.84242107000	-117.84222848000	-117.84223868000	-117.84224818000	-117.84218084000	-117.83999210000	-117.83955351000	-117.83934227000	-117.83930968000
33.75673109000	33.75710146000	33.75723488000	33.75807957000	33.75930933000	33.75995101000	33.76072824000	33.76205427000	33.76359165000	33.76500009000	33.76580641000	33.76650912000	33.76675908000	33.76774925000	33.76798951000	33.77074100000	33.77349183000	33.77401120000	33.77408000000	33.77708226000	33.77811781000	33.77874267000	33.77888973000	33.77903773000	33.78079201000	33.78240507000	33.78287767000	33.78318436000	33.78329075000	33.78337532000	33.78360733000	33.78447987000	33.78505078000	33.78544470000	33.78592771000	33.78618882000	33.73375835000	33.73411565000	33.73617669000	33.73837484000	33.73912958000	33.73983295000	33.74181656000	33.74204495000	33.74218892000	33.74268448000	33.74308459000
100	40	45	200	200	133	418	489	574	399	534	48	82	143	43	1895	82	343	82	380	420	80	71	37	935	52	304	29	90	63	347	999	100	391	454	35	88	168	1340	300	250	265	1203	161	48	176	64
5.3	7.5	5.3	6.1	6.1	8.0	8.0	7.0	8.0	7.0	7.0	7.0	7.5	8.0	8.0	0.9	8.0	8.5	8.0	8.0	8.0	8.0	8.0	8.0	7.0	13.7	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	6.5	4.5	6.5	8.9	8.9	7.5	6.5	7.0	7.0	7.0	7.0	6.0	7.5
10.000	14.000	14.000	18.000	14.000	10.000	10.000	000.9	000.9	000.9	000.9	000.9	14.000	12.000	12.000	000.9	10.000	10.000	10.000	12.000	12.000	12.000	10.000	10.000	7.000	30.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.000	11.500	11.500	11.500	11.500	11.500	10.500	10.500	10.500	12.000	12.000	12.000
No No	8	No	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	9	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	No	No	No	N <sub>o</sub>	No	No	No	No	N <sub>o</sub>	No	No
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana						
N <sub>o</sub>	9	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No	N	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No	No	N	No	No	No	No	No	No	N <sub>o</sub>
Rip-rap	Concrete	Rip-rap	Rip-rap	Rip-rap	Concrete	Rip-rap	Rip-rap	Rip-rap	Rip-rap	Rip-rap	Rip-rap	Concrete	Concrete	Concrete	Earth	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Cast Iron	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
TRAP	2-RCB	TRAP	TRAP	TRAP	RCB	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	RCB	RCB	RECT	TRAP	RCB	RECT	RCB	RECT	RECT	RECT	RCB	RCB	CIPP	RECT	RCB	RCB	RECT	RCB	RECT	RECT	RECT	RECT	RCB	RCB	RCB	RECT	RECT	RECT	RCB	RCB	RCB	RCB	2-RCB	2-RCP	RECT2
EL MODENA-IRVINE CHANNEL		EL MODENA-IRVINE CHANNEL	EL MODENA-IRVINE CHANNEL	EL MODENA-IRVINE CHANNEL	EL MODENA-IRVINE CHANNEL	EL MODENA-IRVINE CHANNEL	EL MODENA-IRVINE CHANNEL	EL MODENA-IRVINE CHANNEL	EL MODENA-IRVINE CHANNEL	EL MODENA-IRVINE CHANNEL	EL MODENA-IRVINE CHANNEL	EL MODENA-IRVINE CHANNEL	EL MODENA-IRVINE CHANNEL				EL MODENA-IRVINE CHANNEL	SOUTHWEST TUSTIN CHANNEL																												
18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204
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Riprap Channel	Underground Conduit	Riprap Channel	Riprap Channel	Riprap Channel	Underground Conduit	Riprap Channel	Riprap Channel	Riprap Channel	Riprap Channel	Riprap Channel	Riprap Channel	Underground Conduit	Underground Conduit	Concrete-Lined	Riprap Channel	<b>Underground Conduit</b>	Concrete-Lined	<b>Underground Conduit</b>	Concrete-Lined	Concrete-Lined	Concrete-Lined	<b>Underground Conduit</b>	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined					
F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F07	F11																
1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976

-117.83930159000	-11/.83928398000	-117.83928013000	-117.83924130000	-117.83908890000	-117.83906360000	-117.83905259000	-117.83908049000	-117.83896729000	-117.83897295000	-117.83900272000	-117.83899813000	-117.81365788000	-117.81437480000	-117.81612717000	-117.81791360000	-117.81904324000	-117.82013411000	-117.82131301000	-117.82472414000	-117.82627438000	-117.82627390000	-117.82552693000	-117.82427649000	-117.82428665000	-117.82411943000	-117.82390352000	-117.82388217000	-117.82364475000	-117.82365178000	-117.82423450000	-117.82477680000	-117.82516603000	-117.82590457000	-117.82684786000	-117.80308578000	-117.80238572000	-117.80206212000	-117.80174246000	-117.80053843000	-117.79927055000	-117.79834505000	-117.79656415000	-117.79594314000	-117.79592904000	-117.79598876000	-117.79574997000
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33.74354435000	33./4454486000	33.74531559000	33.74562870000	33.74690067000	33.74817073000	33.75052332000	33.75282474000	33.75374775000	33.75548846000	33.75892155000	33.75813237000	33.75132109000	33.75152560000	33.75152571000	33.75152406000	33.75151554000	33.75150698000	33.75159346000	33.75187655000	33.75376202000	33.75522896000	33.75708172000	33.75837490000	33.75869861000	33.75946227000	33.76013940000	33.76099811000	33.76260754000	33.76358631000	33.76359774000	33.76452097000	33.76552071000	33.76585134000	33.76713908000	33.73736950000	33.73807581000	33.73840230000	33.73872481000	33.73993954000	33.74121864000	33.74202078000	33.74293219000	33.74362283000	33.74552078000	33.74771275000	33.74819576000
279	441	157	106	871	15	1591	36	634	652	527	17	3014	83	971	62	999	62	263	1316	870	155	1585	70	177	384	109	525	544	158	139	739	88	494	208	979	45	160	46	896	95	658	617	21	1302	350	45
7.5	7.3	0.9	0.9	7.0	4.0	6.5	0.9	0.9	0.9	0.9	0.9	9.0	9.0	9.0	9.0	9.0	8.0	9.0	8.0	8.0	8.0	8.0	7.5	8.0	7.5	8.0	8.0	6.5	6.5	6.5	0.9	0.9	5.5	4.0	10.0	8.0	10.0	2.0	9.0	0.9	6.5	6.5	7.0	6.5	6.5	7.0
10.000	10.000	10.000	10.000	10.000	10.000	7.000	7.000	7.000	7.000	7.000	7.000	8.000	15.000	8.000	15.000	8.000	16.000	8.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	6.500	6.500	6.500	000.9	000.9	5.500	4.000	22.000	20.500	22.000	27.000	18.000	12.000	7.000	7.000	13.800	000.9	000.9	12.000
oN :	No No	8	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	No
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana
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Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Rip-Rap	Concrete	Rip-Rap	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete															
RECT	KECI	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	TRAP	2-RCB	TRAP	2-RCB	TRAP	2-RCB	TRAP	RECT	RECT	RECT	RECT	RCB	RECT	RCB	RCB	RCB	RCP	RECT	2-RCB	RECT	3-RCB	RECT	RCB	TRAP	TRAP	RECT BRDG	TRAP	TRAP	RCB						
				SOUTHWEST TUSTIN CHANNEL	NORTH TUSTIN CHANNEL	NORTH TUSTIN CHANNEL	NORTH TUSTIN CHANNEL	NORTH TUSTIN CHANNEL	NORTH TUSTIN CHANNEL	NORTH TUSTIN CHANNEL	NORTH TUSTIN CHANNEL	NORTH TUSTIN CHANNEL	NORTH TUSTIN CHANNEL	NORTH TUSTIN CHANNEL	NORTH TUSTIN CHANNEL	NORTH TUSTIN CHANNEL	NORTH TUSTIN CHANNEL	NORTH TUSTIN CHANNEL	NORTH TUSTIN CHANNEL	NORTH TUSTIN CHANNEL	NORTH TUSTIN CHANNEL	NORTH TUSTIN CHANNEL	NORTH TUSTIN CHANNEL	NORTH TUSTIN CHANNEL	NORTH TUSTIN CHANNEL	NORTH TUSTIN CHANNEL	NORTH TUSTIN CHANNEL	RED HILL CHANNEL	RED HILL CHANNEL	RED HILL CHANNEL	RED HILL CHANNEL	RED HILL CHANNEL	RED HILL CHANNEL	RED HILL CHANNEL	RED HILL CHANNEL	RED HILL CHANNEL	RED HILL CHANNEL	RED HILL CHANNEL	RED HILL CHANNEL							
18070204	180/0204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204
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Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	<b>Underground Conduit</b>	Riprap Channel	Underground Conduit	Riprap Channel	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit									
F11	F11	F11	F11	F11	F11	F11	F11	F11	F11	F11	F11	F12	F12	F12	F12	F12	F12	F12	F12	F12	F12	F12	F12	F12	F12	F12	F12	F12	F12	F12	F12	F12	F12	F12	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13
1977	19/8	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1997	1998	1999	2000	2001	2002	2003	2004	2002	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025

	-117.79520791000	-117.79528139000	-117.79535903000	-117.79544707000	-117.79554766000	-117.79573391000	-117.79585605000	-117.79587777000	-117.79587197000	-117.79543737000	-117.79479176000	-117.79543087000	-117.79593003000	-117.79601922000	-117.79599807000	-117.79588567000	-117.79531566000	-117.79483513000	-117.79448809000	-117.79379893000	-117.79315947000	-117.79264228000	-117.79315773000	-117.79374728000	-117.79443337000	-117.79505051000	-117.79564505000	-117.79667775000	-117.79742082000	-117.79706576000	-117.79646082000	-117.79625751000	-117.79590337000	-117.79555690000	-117.79544777000	-117.79540622000	-117.79518697000	-117.79494707000	-117.79487674000	-117.79423046000	-117.79385369000	-117.79368513000	-117.79328571000	-117.79279381000	-117.79222863000	-117.79134011000
33.74830793000	33.74889597000	33.74962333000	33.75004039000	33.75051076000	33.75105325000	33.75205609000	33.75271173000	33.75282830000	33.75299594000	33.75362975000	33.75444074000	33.75506596000	33.75542883000	33.75559620000	33.75581746000	33.75597481000	33.75654657000	33.75702857000	33.75737666000	33.75806791000	33.75870928000	33.75971308000	33.76053283000	33.76092873000	33.76140514000	33.76183462000	33.76225124000	33.76297479000	33.76362315000	33.76434565000	33.76514392000	33.76584933000	33.76652756000	33.76714369000	33.76727384000	33.76732338000	33.76758485000	33.76787094000	33.76795481000	33.76872551000	33.76970981000	33.76996414000	33.77034138000	33.77065574000	33.77071382000	33.77118667000
47	463	20	225	115	277	468	30	28	37	200	220	333	28	127	29	93	408	7	313	330	506	358	354	284	227	28	440	372	302	309	348	145	400	46	2	15	212	47	34	663	144	75	275	26	268	400
9.0	9.0	8.5	8.0	8.0	8.0	8.0	9.0	9.0	8.0	8.0	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.0	7.5	7.5	8.0	8.0	7.5	7.0	7.0	6.5	0.9	0.9	0.9	6.0	0.0	0.9	6.0	6.0	0.9	0.9	0.9	0.9	6.5	6.5	6.5	6.5	6.5	6.5
12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	8.000	8.000	7.000	7.000	7.000	000'9	000'9	000'9	000'9	000'9	000'9	000'9	000.9	000'9	000'9	000.9	000.9	6.500	6.500	6.500	6.500	6.500	6.500
8	8	No	N <sub>o</sub>	No	N <sub>o</sub>	No	No	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No	No	8																								
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana
No	%	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	N <sub>o</sub>																					
Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Rip-Rap	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
RECT	RECT	RECT	RECT	RECT	RCB	RECT	RECT	RECT	RCB	RCB	RCB	RECT	RECT	RCB	RECT	RECT	RECT	RCB	RECT	RCB	TRAP	RCB	RCB	RCB	RCB	RCB	RCP																			
	18070204 RED HILL CHANNEL	.8070204 RED HILL CHANNEL	18070204 RED HILL CHANNEL	.8070204 RED HILL CHANNEL	18070204 RED HILL CHANNEL	.8070204 RED HILL CHANNEL	18070204 RED HILL CHANNEL	18070204 RED HILL CHANNEL	18070204 RED HILL CHANNEL	18070204 RED HILL CHANNEL	18070204 RED HILL CHANNEL	18070204 RED HILL CHANNEL	18070204 RED HILL CHANNEL	18070204 RED HILL CHANNEL	18070204 RED HILL CHANNEL																															
18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
щ	ட	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	щ	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ட	ш	ш	ш	ш	ш	ш	ш	ш	ш
Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Riprap Channel	Underground Conduit	Underground Conduit	Underground Conduit	<b>Underground Conduit</b>	Underground Conduit																				
F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13	F13
2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	202	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072

-117.79079066000	-117.79053270000	-117.79025827000	-117.78971576000	-117.83504267000	-117.83430127000	-117.83364299000	-117.83286202000	-117.83207031000	-117.83102273000	-117.82894915000	-117.82717568000	-117.82705135000	-117.82646963000	-117.82566949000	-117.82315275000	-117.82068412000	-117.81938997000	-117.81758956000	-117.81660557000	-117.81645315000	-117.81633951000	-117.81629939000	-117.81628930000	-117.81625240000	-117.81620877000	-117.81254769000	-117.81222360000	-117.81134667000	-117.76599582000	.117.82539177000	-117.79350544000	-117.81055371000	-117.81042302000	-117.81040140000	-117.81053069000	-117.81071172000	-117.81097550000	-117.81102713000	-117.81106389000	-117.81111442000	-117.81116918000	-117.81130890000	-117.81144174000	-117.81103723000	-117.81071033000	-117.80996103000
-117.7	-117.7	-117.7	-117.7	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.7	-117.8	-117.7	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8	-117.8
33.77171255000	33.77195222000	33.77220805000	33.77290276000	33.66851215000	33.66917650000	33.66976634000	33.67047405000	33.67120773000	33.67220561000	33.67426700000	33.67602756000	33.67615758000	33.67675830000	33.67757674000	33.67861974000	33.67858453000	33.67804702000	33.67670207000	33.67607876000	33.67597338000	33.67589671000	33.67587480000	33.67586909000	33.67584846000	33.67582408000	33.67331357000	33.67308887000	33.67248084000	33.65919514000	33.68952083000	33.76076782000	33.67189766000	33.67178872000	33.67142795000	33.67052963000	33.66930716000	33.66864087000	33.66851604000	33.66842715000	33.66830495000	33.66817254000	33.66783468000	33.66735360000	33.66691509000	33.66656072000	33.66639676000
101	190	110	120	297	25	550	95	623	260	1684	86	32	226	324	1460	15	764	477	63	63	51	1	10	22	17	176	45	595	1369	225	126	70	28	227	430	337	46	62	4	88	30	239	137	301	53	367
6.5	6.5	6.5	0.9	8.9	12.0	12.0	12.0	12.0	9.0	13.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	8.5	8.5	9.0	9.0	9.0	9.0	9.0	9.0	10.0	10.0	10.0	0.0	15.0	8.0	10.0	10.0	10.0	10.0	10.0	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
6.500	6.500	6.500	000.9	28.500	30.500	28.000	28.000	28.000	36.000	26.000	33.000	33.000	15.000	15.000	15.000	15.000	14.000	14.000	14.000	14.000	14.000	14.000	14.000	12.000	12.000	12.000	12.000	12.000	160.000	20.000	8.000	12.000	12.000	12.000	12.000	12.000	8.500	8.500	8.500	8.500	8.500	8.500	8.500	8.500	8.500	8.500
9 8	2	N <sub>o</sub>	8	Yes	No	N <sub>o</sub>	No	No	No	Yes	Yes	8	No	N <sub>o</sub>	8	No																														
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana															
9	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	No	N <sub>o</sub>	No	No	No	No	No	N <sub>o</sub>	No																									
Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Earth	Earth	Earth	Concrete	Earth	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Soil Cement	Rip-rap	Concrete															
RCP	RCP	RCP	RCP	3-RCB	RECT	TRAP	TRAP BRDG	TRAP	3-RCB	TRAP	3-RCB	3-RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	TRAP	TRAP	RCB	RCB	RCB	RCB	RCB	RCB	RCP									
RED HILL CHANNEL	RED HILL CHANNEL	RED HILL CHANNEL	RED HILL CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN DIEGO CREEK CHANNEL	PETERS CANYON CHANNEL	RED HILL CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL	SAN JOAQUIN CHANNEL
18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204
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Underground Conduit	Concrete-Lined	Earth Channel	Earth Channel	Earth Channel	Underground Conduit	Earth Channel	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	<b>Underground Conduit</b>	Underground Conduit	Concrete Sides, Soft Botto F	Riprap Channel	Underground Conduit																															
F13	F13	F13	F13	F14	F14	F14	F14	F14	F14	F14	F14	F14	F14	F14	F14	F14	F14	F05	F06	F13	F14																									
2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	5089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119

-117.80856443000	-117.80509717000	-117.80140210000	-117.80020806000	-117.79975842000	-117.79788452000	-117.79623566000	-117.79508416000	-117.79308803000	-117.78926834000	-117.78574229000	-117.78414292000	-117.80727896000	-117.76768314000	-117.76695237000	-117.76640351000	-117.76326025000	-117.76159296000	-117.75978256000	-117.75928391000	-117.75681762000	-117.75852793000	-117.75491452000	-117.75440329000	-117.75401714000	-117.75354279000	-117.75270992000	-117.75107548000		-117.74804871000	-117.74630634000		-117.74433852000		-117.74243376000		-117.74094439000	-117.74027847000	-117.73945850000	-117.73438967000	-117.73421204000	-117.75626343000	-117.75605020000	-117.73373956000		-117.72527691000	-117.72365192000
33.66615173000	33.66573203000	33.66520408000	33.66479428000	33.66408538000	33.66302579000	33.66188400000	33.66229227000	33.66253058000	33.66205747000	33.66123889000	33.66058186000	33.65795924000	33.66201317000	33.66291415000	33.66346581000	33.66662092000	33.66830423000	33.67012502000	33.67062919000	33.67308728000	33.67138181000	33.67498622000	33.67548529000	33.67581750000	33.67610030000	33.67644661000	33.67727172000	33.67901536000	33.68129439000	33.68350182000	33.68457918000	33.68558275000	33.68697116000	33.68804569000	33.68900637000	33.68979842000	33.69058207000	33.69154696000	33.69558867000	33.69576972000	33.65431247000	33.65548487000	33.63821595000	33.63873158000	33.64783491000	33.64899014000
475	1607	521	252	365	1044	223	299	650	1550	493	337	152	136	510	17	619	433	120	245	220	430	332	20	265	20	470	723	855	1100	448	164	712	429	372	389	346	379	329	20	95	603	130	263	36	322	844
8.5	7.8	8.0	9.0	7.0	8.0	8.0	8.0	7.0	8.0	8.0	5.0	10.6	9.0	9.0	9.0	10.5	10.0	8.0	10.0	9.0	11.0	10.5	9.0	10.0	10.0	9.0	10.0	9.0	9.0	9.0	8.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	4.0	10.0	10.0	12.0	12.0	10.0	10.0
8.500	8.500	75.000	31.000	30.000	8.000	20.000	8.000	8.000	000.9	000.9	000.9	63.300	30.000	24.000	24.000	10.000	10.000	20.000	10.000	8.000	000.9	15.000	15.000	15.000	15.000	14.000	14.000	14.000	14.000	14.000	14.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	13.500	26.000	34.000	28.000	29.000	30.000	30.000
No	No	No	No	No	No	N <sub>o</sub>	No	N <sub>o</sub>	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	No	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	No	No	No	No	No	No	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana															
No	No	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	N <sub>o</sub>															
Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete															
RCP	TRAP	TRAP	RECT	3-RCB	TRAP	2-RCB	TRAP	TRAP	TRAP	TRAP	TRAP	2-ARCH	2-RCB	2-RCB	2-RCB	TRAP	TRAP	2-RCB	TRAP	RECT	TRAP	RECT	RCB	RECT	RECT	RCB	RECT	RECT	RECT	RECT	RCB	RECT	TRAP BRDG	2-RCB	2-RCB	2-RCB	RCB	3-RCB	RECT							
SAN JOAQUIN CHANNEL	SAND CANYON CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	MARSHBURN CHANNEL	BEE CANYON CHANNEL	BEE CANYON CHANNEL	SERRANO CREEK CHANNEL	SERRANO CREEK CHANNEL	SERRANO CREEK CHANNEL	SERRANO CREEK CHANNEL											
18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204		18070204	18070204	18070204	18070204	18070204	18070204		18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204
ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ч	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ч	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш
Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined								
F14	F15	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F16	F17	F17	F19	F19	F19	F19											
2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2134	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169

-117.72240880000	-117.72138749000	-117.72032883000	-117.71712468000	-117.71396056000	-117.71292853000	-117.71175789000	-117.71070617000	-117.70961712000	-117.70855409000	-117.70744978000	-117.70679113000	-117.66046864000	-117.65971587000	-117.71529459000	-117.71442893000	-117.71394948000	-117.71370053000	-117.71359088000	-117.71342977000	-117.71315017000	-117.71274396000	-117.71241542000	-117.71223536000	-117.71212144000	-117.71190764000	-117.71161731000	-117.71139165000	-117.71082544000	-117.70967712000	-11/./0654664000	-117.67579600000	-117.66949237000	-117.66889625000	-117.66841477000	-117.66713099000	-117.66560035000	-117.73574815000	-117.73532557000	-117.73450222000	-117.73405193000	-117.73338650000	-117.73259865000	-117.73158803000	-117.73072487000
-117.7				-117.7		-117.7											-117.7																	-117.6	-117.6									
33.64985061000	33.64944618000	33.64870806000	33.64647240000	33.64426499000	33.64368734000	33.64476200000	33.64646281000	33.64781821000	33.64904345000	33.65032140000	33.65040163000	33.67000009000	33.67039636000	33.65938738000	33.65968632000	33.65989494000	33.66013600000	33.66024381000	33.66040222000	33.66068707000	33.66109217000	33.66142016000	33.66160117000	33.66171910000	33.66193313000	33.66222377000	33.66244967000	33.66295870000	33.66335360000	33.66408911000	33 68376863000	33.68325625000	33.68276213000	33.68249569000	33.68209239000	33.68201639000	33.62738335000	33.62731148000	33.62718099000	33.62711672000	33.62703559000	33.62697246000	33.62687129000	33.62730249000
09	889	147	2350	140	640	465	972	129	664	306	96	81	250	286	141	196	35	69	87	180	200	117	99	47	156	124	95	461	347	244	500	282	171	54	718	174	158	09	143	80	255	180	362	143
10.5	10.5	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.0	9.6	10.0	5.0	8.5	9.6	9.6	9.0	16.0	12.0	9.6	9.6	9.6	9.6	9.0	17.0	9.6	9.6	9.6	9.6	9.6	0.6	0.0	8.0	8.0	8.0	8.0	8.0	10.0	12.0	9.0	7.9	7.9	7.9	7.5	0.9
30.000	31.500	30.000	30.000	32.000	30.000	30.000	30.000	30.000	35.000	36.000	36.000	25.000	15.000	25.000	25.000	24.000	25.000	25.000	25.000	25.000	25.000	25.000	24.000	25.000	25.000	25.000	25.000	25.000	25.000	24.000	20,000	20.000	20.000	20.000	20.000	20.000	25.000	25.000	25.000	10.000	10.000	10.000	10.000	10.000
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Concrete	Rip-Rap	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Earth	Concrete																		
3-RCB	3-RCB	RECT	RECT	RECT	3-RCB	3-RCB	RECT	RECT	RECT	3-RCB	3-RCB	TRAP	TRAP	RECT	RECT	2-RCB	RECT	RECT	RECT	RECT	RECT	RECT	2-RCB	RECT	RECT	RECT	RECT	RECT	RECT	Z-KCB	2-BCB	2-RCB	2-RCB	2-RCB	2-RCB	2-RCB	TRAP	RCB						
SERRANO CREEK CHANNEL	BORREGO CANYON CHANNEL	<b>BORREGO CANYON CHANNEL</b>	<b>BORREGO CANYON CHANNEL</b>	<b>BORREGO CANYON CHANNEL</b>	<b>BORREGO CANYON CHANNEL</b>	BORREGO CANYON CHANNEL	BORREGO CANTON CHANNEL	BORREGO CANYON CHANNEL	CANADA CHANNEL	CANADA CHANNEL	CANADA CHANNEL	CANADA CHANNEL	CANADA CHANNEL	CANADA CHANNEL	CANADA CHANNEL	CANADA CHANNEL																												
18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204
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Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Concrete-Lined	Riprap Channel	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Earth Channel	Underground Conduit												
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F19 Unde	F19 Un	F19 C	F19 C	F19 (	F19	F20	F20	F20	F20	F20	F20	F20	F20	F20	F20	F20	F20	F20	F20	F20	F20	F20	F20	F20	F20	F20	F20	F20	F23															

-117.73022147000	-117.73010253000	-117.73007434000	-117.72966978000	-117.72813115000	-117.72685608000	-117.72537061000	-117.72350210000	-117.79887235000	-117.79893184000	-117.79887112000	-117.79890197000	-117.80163139000	-117.80006529000	-117.80231754000	-117.79029397000	-117.79007844000	-117.78979329000	-117.78946741000	-117.78907593000	-117.78818847000	-117.78653425000	-117.78409734000	-117.78263241000	-117.78248924000	-117.78212870000	-117.78151080000	-117.78109794000	-117.78047947000	-117.77986485000	-117.77954443000	-117.77899660000	-117.77859586000	-117.77269142000	-117.77301330000	-117.77284927000	-117.77254813000	-117.77151885000	-117.77038843000	-117.76779749000	-117.76895038000	-117.77001767000	-117.76737959000	-117.76688351000	-117.76583693000	000000000000000000000000000000000000000
33.62760866000	33.62769342000	33.62770277000	33.62775128000	33.62759617000	33.62747362000	33.62732325000	33.62738084000	33.63430569000	33.63386804000	33.63347838000	33.63315905000	33.63287037000	33.63286426000	33.63298468000	33.71662222000	33.71661064000	33.71642337000	33.71620935000	33.71594130000	33.71532663000	33.71417396000	33.71240572000	33.71132602000		33.71109010000	33.71090114000						33.70812425000		33.73187875000		33.73274994000		33.73551502000	33.73547388000	33.73625229000	33.73595307000	33.73513206000	33.73475445000	33.73401496000	
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0.9	0.9	0.9	5.3	5.3	4.5	5.3	5.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0	0.0	10.0	10.0	10.0	9.0	9.0	9.0	9.0	8.5	11.5	11.5	8.3	11.7	12.0	9.5	9.5	11.3	12.9	7.3	10.0	10.0	10.0	10.0	10.0	10.0	10.0	11.0	10.0	10.0	10.0	
10.000	10.000	10.000	8.000	8.000	20.000	8.000	16.000	18.000	18.000	18.000	18.000	18.000	18.000	18.000	21.000	24.000	24.000	24.000	24.000	24.000	24.000	24.000	17.000	17.000	17.000	16.000	17.000	17.000	17.000	16.000	14.000	12.000	16.000	24.000	24.000	24.000	24.000	24.000	22.000	22.000	24.000	22.000	22.000	22.000	
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Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	
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Concrete	Concrete	Concrete	Earth	Earth	Concrete	Earth	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	OG Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Earth	Rip-Rap	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	
RCB	RCB	RCB	TRAP	TRAP	2-RCB	TRAP	2-RCB	2-RCP	2-RECT BRDG	RECT	RCB	RCB	RECT	2-RCB	RECT	RECT	RECT	2-RCB	TRAP	TRAP	RCB	2-RCB																							
CANADA CHANNEL	CANADA CHANNEL	CANADA CHANNEL	CANADA CHANNEL	CANADA CHANNEL	CANADA CHANNEL	CANADA CHANNEL	CANADA CHANNEL	BOMMER CANYON CHANNEL	BOMMER CANYON CHANNEL	BOMMER CANYON CHANNEL	BOMMER CANYON CHANNEL	BOMMER CANYON CHANNEL	BOMMER CANYON CHANNEL	<b>BOMMER CANYON CHANNEL</b>	CENTRAL IRVINE CHANNEL	RATTLESNAKE CANYON CHANNEL																													
18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	
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Underground Conduit	Underground Conduit	Underground Conduit	Earth Channel	Earth Channel	Underground Conduit	Earth Channel	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Earth Channel	Riprap Channel	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	<b>Underground Conduit</b>	Underground Conduit	•												
F23	F23	F23	F23	F23	F23	F23	F23	F24	F25	F26																																			
_											2265	5266		2268	5769	2270	2271	2272	2273	2274	2275	2276	7777	2278	2279	2280		2282			2285	2286	2287	2288	5789					2294		2296			

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33.72883026000	33.72889335000	33.72889831000	33.72859716000	33.72712049000	33.72668754000 -	33.72653784000	33.72589122000 -	33.72457374000	33.62145138000 -	33.62156100000	33.62178473000 -	33.62216719000	33.62257478000	33.62305611000	33.62362891000	33.62399259000	33.62425414000	33.62451125000 -	33.62495083000	33.62557589000	33.63157153000 -	33.63280993000	33.63378959000	33.54453437000	33.54782875000	33.55000102000	33.54984280000		33.54975514000			33.54911832000 -	33.54923516000	33.54928075000	33.54943918000	33.55016018000	33.55038819000	33.55061580000 -	33.55156752000 -	33.55097572000 -	33.55182986000 -	33.55201272000 -	33.55221935000 -	33.55235265000 -	33.55246331000 -	33.55299819000
128	30	40	555	376	169	∞	461	136	32	20	150	270	176	183	299	48	218	48	458	52	55	1069	115	137	994	147	16	33	16	61	24	98	16	59	81	16	224	16	261	366	16	181	40	100	16	516
14.5	14.5	11.0	11.0	10.0	10.0	10.0	10.0	10.0	0.9	0.9	0.9	6.0	0.9	0.9	0.9	7.0	0.9	7.0	0.9	5.0	5.0	5.0	3.3	7.5	0.9	8.5	7.8	8.5	7.8	8.0	7.8	6.5	6.5	6.5	8.0	7.8	8.5	7.8	8.5	8.5	7.8	9.5	7.8	8.5	7.8	8.5
15.000	15.000	16.000	16.000	16.000	16.000	16.000	16.000	16.000	000.9	000.9	9.000	9.000	9.000	000.9	12.000	15.000	12.000	15.000	12.000	12.000	10.000	8.000	13.000	14.500	15.000	12.000	12.000	12.000	12.000	12.000	12.000	15.000	15.000	15.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000
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Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego																															
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Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete									
RECT	RECT	RCB	RCP	RCP	RCP	RCP	RCP	RCP	TRAP	RCB	TRAP	RCB	TRAP	RCB2	RCB2	TRAP	RCB2	RECT BRDG	RECT	RECT	RCB	RECT	RCB	RECT	RCB	RECT	RCB	RECT	RECT	RCB	RECT	RCB	RECT	RECT	RCB	RECT	RCB	RECT	RCB	RECT						
HICKS CANYON CHANNEL	EAST COSTA MESA CHANNEL	LAGUNA CANYON CHANNEL																																												
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Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined													
F27	G02	<b>G02</b>	G02	G02	G02	G02	G02	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102																
2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347

-117.77539311000	-117.77446526000	-117.77324916000	-117.77320124000	-117.77300952000	-117.77304203000	-117.77302988000	-117.77276466000	-117.77217450000	-117.77168610000	-117.77169150000	-117.77171327000	-117.77170211000	-117.77167420000	-117.77159296000	-117.77146606000	-117.77138212000	-117.77132713000	-117.77125283000	-117.77119808000	-117.77118450000	-117.77117493000	-117.77113814000	-117.77103715000	-117.77082735000	-117.77040910000	-117.76999350000	-117.69540606000	-117.69549699000	-117.69530754000	-117.69433212000	-117.69353933000	-117.69307771000	-117.68871634000	-117.68802707000	-117.68767628000	-117.68684243000	-117.68580355000	-117.68507014000	-117.68501546000	-117.68491708000	-117.68482779000	-117.72305573000	-117.72196082000	-117.72150403000	-117.72026816000	-117.71606666000
		33.55672126000 -1	33.55679082000 -1	33.55736529000 -1	33.55794593000 -1	33.55797682000 -1	33.55830989000 -1	33.55940063000 -1	33.56014490000 -1	33.56040489000 -1	33.56066110000 -1	33.56072545000 -1	33.56084512000 -1	33.56102622000 -1	33.56122740000 -1	33.56135484000 -1	33.56146010000 -1	33.56168641000 -1	33.56186167000 -1	33.56190513000 -1	33.56193579000 -1	33.56212343000 -1	33.56230104000 -1	33.56238565000 -1		33.56257953000 -1	33.61249172000 -1	33.61371480000 -1	33.61468627000 -1			33.61760319000 -1		33.62388707000 -1	33.62417278000 -1	33.62485565000 -1	33.62569033000 -1	33.62628198000 -1	33.62632466000 -1	33.62640139000 -1	33.62647240000 -1	33.48178358000 -1	33.48191362000 -1		33.48267723000 -1	33.49417098000 -1
99	1218	30	20	420	9	16	278	604	16	168	16	18	20	79	84	25	37	100	35	11	10	125	10	118	143	125	176	125	216	640	320	06	475	100	100	120	009	20	42	28	15	620	19	271	10	447
9.0	9.0	9.5	9.0	9.5	9.5	9.0	9.5	9.5	9.0	9.5	9.0	9.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	10.0	9.3	8.0	8.0	8.0	8.0	0.6	9.0	14.7	8.0	8.0	8.0	8.0	8.0	8.0	14.0	14.0	13.3	16.0	8.5
12.000	2.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	24.000	24.000	24.000	24.000	24.000	24.000	26.000	26.000	65.000	20.000	20.000	64.000	64.000	64.000	64.000	12.000	12.000	12.000	21.000	8.500
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San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego																											
Yes	ar No	8	No	8	N <sub>0</sub>	No	No	8	8	No	No	N <sub>0</sub>	No	No	No	Yes	Yes	Yes	Yes	No																										
Concrete	Concrete/Ear	Concrete	Concrete	Concrete	Concrete	Metal																																								
RCB	TRAP	TRAP	TRAP BRDG	TRAP	TRAP	TRAP BRDG	TRAP	TRAP	TRAP BRDG	TRAP	TRAP BRDG	TRAP	RCB	RECT	RCB	RECT	RCB	RCB	RCB	RCB	RECT	RCB	RECT	RCB	RECT	RECT	TRAP	TRAP BRDG	TRAP	TRAP	TRAP	TRAP BRDG	RECT	RECT	RECT	RECT BRDG	TRAP	TRAP	TRAP BRDG	TRAP BRDG	TRAP	RCB	RCB	ARCH	RECT	CMP
LAGUNA CANYON CHANNEL	ALISO CREEK CHANNEL	ALISO CREEK CHANNEL	ALISO CREEK CHANNEL	ALISO CREEK CHANNEL	ALISO CREEK CHANNEL	ALISO CREEK CHANNEL	ALISO CREEK CHANNEL	ALISO CREEK CHANNEL	ALISO CREEK CHANNEL	ALISO CREEK CHANNEL	ALISO CREEK CHANNEL	ALISO CREEK CHANNEL	ALISO CREEK CHANNEL	ALISO CREEK CHANNEL	ALISO CREEK CHANNEL	SALT CREEK CHANNEL	SALT CREEK CHANNEL	SALT CREEK CHANNEL	SALT CREEK CHANNEL	SALT CREEK CHANNEL																										
18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301		18070301		18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301		18070301	18070301
Underground Conduit I	ined	ined	ined	ined	ined	ined I	ined	ined	Underground Conduit	ined	Underground Conduit I	ined	Underground Conduit I	Underground Conduit I	Underground Conduit I	Underground Conduit I	ined	Underground Conduit I	ined I	Underground Conduit 1	ined	ined I	Concrete Sides, Soft Botto J	ined J	ined J	ined J	ined J	ined J	ined J	ined J	ined J	ined J	ined J	ined J	ined J	ined J	ined J	Underground Conduit K	Underground Conduit K	Underground Conduit K	ined K	Jnderground Conduit K				
Undergrou	Concrete-Lined	Undergron	Concrete-Lined	Undergron	Concrete-Lined	Undergrou	Undergron	Undergron	Undergron	Concrete-Lined	Undergron	Concrete-Lined	Undergron	Concrete-Lined	Concrete-Lined	Concrete S	Concrete-Lined	Undergron	Undergron	Undergrou	Concrete-Lined	Undergrou																								
8 102		0 102	1 102	201 2	3 102	102	5 102	99 107	7 102	8 102	9 102	20 102	1 102		3 102	102	5 102	99 107	57 102	88 102	9 102	70 102	1 102	72 102	3 102	74 102		'6 J01								101	36 J01	101 78	101	101 68	100 00	10 K01	11 K01			4 K01
2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2382	2383	2384	2385	2386	2387	2388	2389	2390	2430	2431	2432	2433	2434

-117.71730692000	11/./13306/6000	-117./1495486000	-117.68280555000	-117.68270024000	-117.68256113000	-117.68241164000	-117.68218076000	-117.68199133000	-117.68179651000	-117.68158099000	-117.68107392000	-117.68005404000	-117.67948248000	-117.67931560000	-117.67922985000	-117.67897038000	-117.67853878000	-117.67819965000	-117.67792191000	-117.67744232000	-117.67622642000	-117.67432101000	-117.67140273000	-117.66971264000	-117.66786279000	-117.66719341000	-117.66632822000	-117.66571132000	-117.66417409000	-117.66353699000	-117.66280787000	-117.66253628000	-117.66213493000	-117.66595853000	-117.66584227000	-117.66573510000	-117.66568118000	-117.66560787000	-117.66574558000	-117.66580416000	-117.66586663000	-117.66589432000	-117.66599714000	-117.66611257000	-117.66627917000	-117.66713042000
					33.46525902000	33.46595968000	33.46704180000	33.46785062000	33.46837517000	33,46889425000	33.47009883000	33.47252272000	33.47391552000	33.47441642000	33.47472136000	33.47582896000	33.47771841000	33.47920298000	33.48041758000	33.48201338000	33.48366997000	33.48490305000	33.48590147000	33.48646456000	33.48718050000	33.48762704000	33,48855483000	33.48974223000	33.49144925000	33.49182866000	33.49212960000	33.49222384000	33.49237537000	33.49045532000		33.49388350000	33.49472891000	33.49633014000	33.49724810000	33.49758858000	33.49795171000	33.49811266000	33.49871025000	33.49934276000	33.49987121000	33.50135464000
27	7T	787	163	200	200	400	400	200	200	200	006	800	275	96	129	700	700	400	200	700	700	800	800	631	319	200	559	271	30	413	114	73	200	125	1102	123	550	620	55	195	09	40	414	53	312	51
10.0	0 0			_		15.0	15.0	15.0	15.0	15.0	16.0	16.0	16.5	16.5	16.5	16.5	16.5	17.0	17.0	16.5	16.5	16.5	16.5	16.5		16.5	16.5	16.5	14.0	16.0	16.0	12.5	12.5	14.0	14.0	14.0	14.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
14.000	0.500	8.500	401.500	318.000	257.000	202.500	174.000	172.000	172.000	172.000	172.000	168.000	164.000	164.000	164.000	157.500	155.500	150.000	150.000	150.000	150.000	150.000	154.000	154.000	200.000	200.000	213.000	270.000	150.000	150.000	140.000	140.000	140.000	70.000	70.000	70.000	70.000	70.200	71.000	70.900	70.900	70.900	70.000	70.000	70.000	70.000
No S	2 :	٥ : کا	Yes	No	No	No	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	Yes																									
San Diego	ogan Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego
Concrete Yes		Concrete No	Concrete, Sof Yes	Concrete, Sof No	Concrete/Ear No	Concrete/Ear No	Concrete/Ear No	Concrete/Ear No	Concrete/Ear No	Concrete No	Concrete No	Concrete No	Concrete No	Concrete No	Concrete No	Concrete No	Concrete/Ear No	Concrete/Ear No	Concrete/Ear No	Concrete/Ear No	Concrete/Ear No	Concrete/Ear No	Concrete/Ear No	Concrete/Ear No	Concrete/Ear No	Concrete/Ear No	Concrete/Ear No	Concrete/Ear No	Concrete/Ear No	Concrete/Ear No	Concrete/Ear No	Concrete/Ear No	Concrete/Ear No	Concrete/Ear No	Concrete/Ear No	Concrete/Ear No	Concrete/Ear No	Concrete/Ear No								
RCB	CIMIP	CIMIP	RECI	TRAP	TRAP BRDG	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP BRDG	TRAP	TRAP BRDG	TRAP	TRAP BRDG	TRAP	TRAP	TRAP	TRAP	TRAP																	
SALT CREEK CHANNEL	SALI CREEN CHAININEL	SALI CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	TRABUCO CREEK CHANNEL	TRABUCO CREEK CHANNEL	TRABUCO CREEK CHANNEL	TRABUCO CREEK CHANNEL	TRABUCO CREEK CHANNEL	TRABUCO CREEK CHANNEL	TRABUCO CREEK CHANNEL	TRABUCO CREEK CHANNEL	TRABUCO CREEK CHANNEL	TRABUCO CREEK CHANNEL	TRABUCO CREEK CHANNEL	TRABUCO CREEK CHANNEL	TRABUCO CREEK CHANNEL
18070301	100/0201	180/0301	180/0301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301
	Olider ground Conduit N	Underground Conduit K	Concrete Sides, Soft Botto L	Concrete-Lined L	Concrete-Lined	Concrete-Lined	Concrete-Lined L	Concrete-Lined L	Concrete-Lined L	Concrete-Lined L	Concrete Sides, Soft Botto L	Concrete Sides, Soft Botto L	Concrete Sides, Soft Botto L	Concrete Sides, Soft Botto L	Concrete Sides, Soft Botto L	Concrete Sides, Soft Botto L	Concrete Sides, Soft Botto L	Concrete Sides, Soft Botto L	Concrete Sides, Soft Botto L	Concrete Sides, Soft Botto L	Concrete Sides, Soft Botto L	Concrete Sides, Soft Botto L	Concrete Sides, Soft Botto L	Concrete Sides, Soft Botto L	Concrete Sides, Soft Botto L	Concrete Sides, Soft Botto L	Concrete Sides, Soft Botto L	Concrete Sides, Soft Botto L	Concrete Sides, Soft Botto L	Concrete Sides, Soft Botto L	Concrete Sides, Soft Botto L	Concrete Sides, Soft Botto L														
K01	ION	K01	[0]	101	101	101	L01	L01	101	101	101	101	101	L01	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	T02	T07	T02	T07	T07	T07	L02	T07	L02	L02	L02	L02	L02
2435	2430	2437	7438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485

-117.66739259000	-117.66769005000	-117.66878907000	-117.70114996000	-117.69524696000	-117.69500724000	-117.68924196000	-117.68896894000	-117.68866310000	-117.68765814000	-117.68655794000	-117.68554802000	-117.68541513000	-117.68612031000	-117.70974450000	-117.70978447000	-117.70832145000	-117.70769760000	-117.70740066000	-117.70244979000	-117.68027193000	-117.67507042000	-117.67486149000	-117.67617191000	-117.67583972000	-117.67663028000	-117.67724375000	-117.67670355000	-117.67623978000	-117.67569528000	-117.67547932000	-117.67445635000	-117.63960804000	-117.63975249000	-117.63950860000	-117.63925452000	-117.63921105000	-117.67332386000	-117.66965030000	-117.64508226000	-117.64502867000	-117.64490182000	-117.64388868000	-117.64384245000	-117.62991542000	-117.62864726000	-117.62863043000
	33.50225444000 -1	33.50402852000 -1	33.53443464000 -1	33.54018445000 -1	33.54055666000 -1	33.54937627000 -1	33.54984185000 -1	33.55064011000 -1	33.55214886000 -1	33.55295406000 -1	33.55351525000 -1	33.55402138000 -1	33.55529388000 -1	33.55422871000 -1	33.55487694000 -1	33.55947566000 -1	33.56477901000 -1	33.58414062000 -1		33.62742927000 -1	33.54189868000 -1	33.54326870000 -1	33.55717616000 -1	33.55595062000 -1	33.55777730000 -1	33.55936507000 -1	33.56099562000 -1	33.56188831000 -1	33.56293583000 -1	33.56328725000 -1		33.64904912000 -1		33.64619295000 -1		33.64455413000 -1	33.58137166000 -1	33.60683852000 -1	33.44117116000 -1	33.44123628000 -1	33.44138288000 -1	33.44258261000 -1	33.44276320000 -1	33.47093864000 -1	33.47329242000 -1	
300	111	009	175	110	152	225	90	909	486	200	248	75	86	245	280	3060	765	153	92	32	392	20	247	674	121	1116	81	289	30	20	70	204	505	107	29	75	1113	68	21	15	54	44	26	32	63	22
13.0	13.0	13.0	7.3	8.0	7.7	5.8	5.8	5.8	4.8	4.8	4.8	4.8	5.0	12.5	12.5	9.5	9.5	13.0	10.0	0.9	11.0	11.0	11.5	0.0	12.0	12.0	11.5	11.5	7.5	15.5	15.5	4.0	4.0	4.5	8.0	8.0	9.5	8.0	10.0	10.0	12.0	9.0	9.0	8.0	8.5	8.5
70.000	70.000	70.000	9.000	10.000	9.000	5.800	5.800	5.800	4.800	4.800	4.800	4.800	5.000	14.000	14.000	14.000	14.000	21.000	20.000	30.000	34.000	34.000	54.000	50.000	40.000	39.000	48.000	48.000	36.700	70.000	70.000	4.000	4.000	4.500	8.000	8.000	18.000	10.000	23.000	23.000	20.000	20.000	20.000	11.500	10.300	10.300
Yes	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	No	No	No
San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego
ar No	ar No	No	ar No	No	ar No	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	8 N	N <sub>o</sub>	No	N <sub>o</sub>	No	No	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	No	No	No	ar No	p No	No	No	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	N <sub>o</sub>	No	No	Yes	Yes	Yes	Yes	Yes	N <sub>o</sub>	No	No
Concrete/Ear No	Concrete/Ear No	Earth	Concrete/Ear	Concrete	Concrete/Ear	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete/Ear No	Concrete/Rip No	Rip-Rap	Rip-Rap	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete							
TRAP	TRAP	TRAP	VEE	RCB	VEE	RCP	RCB	RCB	RCB	RCB	RCB	RCB	3-RCB	RECT	RECT	TRAP	TRAP	TRAP BRDG	TRAP	RECT	RECT	2-RCB	RECT	RECT	RCP	RCP	RCP	RCP	RCP	RECT	RCB	HANNEL RECT BRDG	HANNEL RECT	IANNEL RECT BRDG	IANNEL 2-RCB	HANNEL RECT2	HANNEL RCB	HANNEL RCB								
TRABUCO CREEK CHANNEL	TRABUCO CREEK CHANNEL	TRABUCO CREEK CHANNEL	SULPHUR CREEK CHANNEL	SULPHUR CREEK CHANNEL	SULPHUR CREEK CHANNEL	SULPHUR CREEK CHANNEL	SULPHUR CREEK CHANNEL	SULPHUR CREEK CHANNEL	SULPHUR CREEK CHANNEL	SULPHUR CREEK CHANNEL	SULPHUR CREEK CHANNEL	SULPHUR CREEK CHANNEL	SULPHUR CREEK CHANNEL	NARCO CHANNEL	NARCO CHANNEL	NARCO CHANNEL	NARCO CHANNEL	ALISO HILLS CHANNEL	ALISO HILLS CHANNEL	<b>ENGLISH CANYON CHANNEL</b>	OSO CREEK CHANNEL	OSO CREEK CHANNEL	OSO CREEK CHANNEL	OSO CREEK CHANNEL	OSO CREEK CHANNEL	OSO CREEK CHANNEL	OSO CREEK CHANNEL	OSO CREEK CHANNEL	OSO CREEK CHANNEL	OSO CREEK CHANNEL	OSO CREEK CHANNEL	OSO CREEK CHANNEL	OSO CREEK CHANNEL	OSO CREEK CHANNEL	OSO CREEK CHANNEL	OSO CREEK CHANNEL	LA PAZ CHANNEL	LA PAZ CHANNEL	PRIMA DESHECHA CANADA CHANNEL	PRIMA DESHECHA CANADA CHANNEL	PRIMA DESHECHA CANADA CHANNEL	PRIMA DESHECHA CANADA CHANNEL	PRIMA DESHECHA CANADA CHANNEL	PRIMA DESHECHA CANADA CHANNEL	PRIMA DESHECHA CANADA CHANNEL	PRIMA DESHECHA CANADA CHANNEL
18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301
to L	to L	_	to J	_	to J	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	to L	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ
Concrete Sides, Soft Botto L	Concrete Sides, Soft Botto L	Earth Channel	Concrete Sides, Soft Botto J	Underground Conduit	Concrete Sides, Soft Botto	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete Sides, Soft Botto L	Concrete-Lined	Underground Conduit	Riprap Channel	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit											
102	T02	T02	103	103	103	103	103	103	103	103	103	103	103	104	104	104	104	305	105	701	103	F03	F03	103	F03	F03	F03	F03	F03	F03	F03	F03	103	103	103	F03	L04	L04	M01							
2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2508	2511	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539

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		33.43171050000 -11. 33.43177066000 -11. 33.43230034000 -11. 33.43327279000 -11. 33.43335404000 -11.			33.44025729000 -11. 33.44082080000 -11. 33.44124219000 -11. 33.44235251000 -11. 33.45752671000 -11. 33.45725835000 -11.	3.45575728000 -11. 3.45304807000 -11. 3.45165324000 -11. 3.34514570000 -11. 3.34514570000 -11. 3.345129474000 -11. 3.3457572711000 -11. 3.569750676000 -11. 3.569750676000 -11. 3.56917262000 -11. 3.56917262000 -11. 3.57004829000 -11.
	0.10	61 33. 46 33. 347 33. 343 33. 25 33.	9 1			743 33. 1004 33. 720 33. 101 33. 65 33. 651 33. 107 33. 258 33. 258 33.
10.0 8.0 5.3 10.0 13.0	5.8 0.0 6.0 11.0	10.0 9.0 9.0 10.0	10.0 12.5 14.0 15.5	8.0 11.5 11.5 15.0 18.0 0.0	14.0 22.0 14.0 28.0 14.0 14.0	14.0 14.0 14.0 14.0 17.0 7.0 8.0 6.0 8.5
10.000 16.000 24.000 16.000 70.000	5.800 14.000 25.000 25.000	25.000 25.000 25.000 20.700 20.700	20.000 18.000 18.000 18.000 18.000	20.000 18.000 18.000 15.000 18.000 8.000	28.000 30.000 28.000 30.000 28.000 14.000 14.000	14.000 14.000 14.000 14.000 14.000 6.000 14.000 18.500 8.500 8.500 8.500
•		Yes Yes Yes Yes	Yes Yes Yes Yes Yes			
Santa Ana Santa Ana Santa Ana Santa Ana San Diego	San Diego San Diego San Diego San Diego	San Diego San Diego San Diego San Diego	San Diego San Diego San Diego San Diego	San Diego San Diego San Diego San Diego San Diego San Diego	San Diego San Diego San Diego San Diego San Diego San Diego San Diego	San Diego San Diego San Diego San Diego Santa Ana Santa Ana Santa Ana Santa Ana Santa Ana Santa Ana San Diego San Diego San Diego
	No No Yes	Yes Yes Yes	Yes Yes Yes Yes	, v N N N N N N N N N N N N N N N N N N	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Concrete Concrete Earth Concrete Concrete	Concrete Concrete Concrete Concrete	Concrete Concrete Concrete Concrete	Concrete Concrete Concrete Concrete	Concrete Concrete Concrete Concrete Concrete	Concrete Earth Concrete Earth Concrete Concrete Concrete	Concrete
TRAP RCB TRAP RCB TRAP	NNEL RCP RCB CANADA CHANN RECT CANADA CHANN RCB	CANADA CHANN RECT CANADA CHANN RCB CANADA CHANN RCB CANADA CHANN RCB CANADA CHANN RCC	CANADA CHANN 2-RCB CANADA CHANN RECT	CANADA CHANN 2-RCB CANADA CHANN RECT CANADA CHANN RECT CANADA CHANN RCB CANADA CHANN RCB CANADA CHANN TRAP	CANADA CHANN 2-RCB CANADA CHANN TRAP CANADA CHANN 2-RCB CANADA CHANN TRAP CANADA CHANN 2-RCB CANADA CHANN RCB CANADA CHANN RCB CANADA CHANN RCB CANADA CHANN RCB	CANADA CHANN RCB HANNEL RCB NNEL RCP RCP RCP RCP RCP RCP RCP
MARSHBURN CHANNEL MARSHBURN CHANNEL CANADA CHANNEL HICKS CANYON CHANNEL TRABUCO CREEK CHANNEL		SEGUNDA DESHECHA CANADA SEGUNDA DESHECHA CANADA SEGUNDA DESHECHA CANADA SEGUNDA DESHECHA CANADA SEGUNDA DESHECHA CANADA			SEGUNDA DESHECHA CANADA SEGUNDA DESHECHA CANADA	SEGUNDA DESHECHA CANADA EL MODENA-IRVINE CHANNEL CENTRAL IRVINE CHANNEL NARCO CHANNEL
18070204 18070204 18070204 18070204 18070301	18070301 18070301 18070301	18070301 18070301 18070301 18070301	18070301 18070301 18070301 18070301 18070301	18070301 18070301 18070301 18070301 18070301	18070301 18070301 18070301 18070301 18070301 18070301 18070301	18070301 18070301 18070301 18070301 18070301 18070204 18070204 18070204 18070301 18070301 18070301
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Concrete-Lined Underground Conduit F Earth Channel F Underground Conduit F Concrete Sides, Soft Botto L	Underground Conduit Underground Conduit Concrete-Lined Underground Conduit	Concrete-Lined Underground Conduit Underground Conduit Underground Conduit Concrete-Lined	Underground Conduit Concrete-Lined Concrete-Lined Concrete-Lined Concrete-Lined	Underground Conduit Concrete-Lined Concrete-Lined Underground Conduit Underground Conduit Concrete-Lined	Underground Conduit Earth Channel Underground Conduit Earth Channel Underground Conduit Underground Conduit Underground Conduit	Underground Conduit Underground Conduit Underground Conduit Underground Conduit Riprap Channel Underground Conduit

10000000000000000000000000000000000		Underground Conduit	-	18070301	NARCO CHANNEL	RCP	Concrete	Š	San Diego	S	9.500	9.5	26	33.56859247000	-117,70419189000
1         SIGNIDIADI MANCICIONAMILI         RCP         Choreet         No         Samp And         No         Signification	Undergrour	nd Conduit	_	18070301	NARCO CHANNEL	RCP	Concrete	8 8	San Diego	No No	9.500	9.5	292	33.56826181000	-117.70457292000
E         138070200 S ANTILAGOER CHANNELL         GARCH/PACH         Noticy PACH         ANCH/PACH         Noticy PACH         ANCH/PACH         Noticy PACH         ANCH/PACH         Noticy PACH         ANCH/PACH AND CHANNELL         GARCH         Concrete         No         Serial Anal         Yes         GGDOD         10.1         10         33.85551580000               A             13807202A             ACLAC CHINNON CHANNELL             FACE             Concrete             No             Serial Anal             Yes             GGDOD             10             31.85551580000               A             1380702DA             CALLAC CHINNON CHANNELL             FACE             Concrete             No             Serial Anal             Yes             438             33.8551532000               A             1380702DA             CALLAC CHANNELL             TAP             Concrete             No             Serial Anal             No             54.85             34.83             33.855323000               A             1380702DA             CALLAC CHANNELL             TAP             Concrete             No             Serial Anal             No             54.89             NO             55.80               A             1380702DA             CALLAC CHANNELL             TAP	Undergrou	nd Conduit	_	18070301	NARCO CHANNEL	RCP	Concrete	N <sub>o</sub>	San Diego	N <sub>o</sub>	9.500	9.5	495	33.56760238000	-117.70561184000
F         138070204A         GALGA CHUNNO CHANNELL.         G-RCB         Concrete         No         Strate Analy         Yes         G0000         10.0	Undergrou	and Conduit	ш	18070203	SANTIAGO CREEK CHANNEL	ARCH/2-RCP	Multi-plate	No	Santa Ana	No	19.300	12.3	160	33.80203756000	-117.81517754000
F         1887/02A         GARGB         Concrete         No         Simal-Ame         Yes         66,000         10.         3.         3.85557283000           A         1887/02A         GGALCHINNO GAMMEL         RECT         Concrete         No         Simal-Ame         Yes         60,000         10.         3.         3.85557328000           A         1887/02A         GALCHINNO GAMMEL         RECT         Concrete         No         Simal-Ame         Yes         60,000         10.         3.         3.8557732000           A         1887/02B         FULLETON CHANNEL         REC         Concrete         No         Simal-Ame         No         3.00         10.         3.0 <td>Undergro</td> <td>and Conduit</td> <td>ш</td> <td>18070204</td> <td>AGUA CHINON CHANNEL</td> <td>6-RCB</td> <td>Concrete</td> <td>No</td> <td>Santa Ana</td> <td>Yes</td> <td>900.09</td> <td>10.0</td> <td>140</td> <td>33.65361690000</td> <td>-117.74218197000</td>	Undergro	and Conduit	ш	18070204	AGUA CHINON CHANNEL	6-RCB	Concrete	No	Santa Ana	Yes	900.09	10.0	140	33.65361690000	-117.74218197000
F         18070204         CADACHER         FR.B         CONCRETE         NO         Santa Ana         Yes         60.000         1.0         1.0         3.83.53.53.00           A         18070204         GALAL CHINON CHANNEL         REA         CONCRETE         NO         Santa Ana         NO         1.0         9.2         3.85.527.1000           A         18070106         CHILLEYNO CHANNEL         TRAP         CONCRETE         NO         Santa Ana         NO         2.000         9.0         1.0         3.85.257.1000           A         18070106         CHILLEYNO CHANNEL         TRAP         REA         CONCRETE         NO         Santa Ana         NO         2.000         9.0         3.8         3.88257782000           A         18070106         CHILLEYNO CHANNEL         REB         CONCRETE         NO         Santa Ana         NO         2.000         9.0         3.8         3.88257782000           A         18070106         CHILLEYNO CHANNEL         REG         CONCRETE         NO         Santa Ana         NO         2.000         9.0         3.8         3.8557782000           C         18070204         NO         Santa Ana         NO         2.000         9.0         3.0	Undergro	and Conduit	ш	18070204	AGUA CHINON CHANNEL	6-RCB	Concrete	N <sub>o</sub>	Santa Ana	Yes	000.09	10.0	20	33.65365382000	-117.74191619000
F         18070206         CALLENTON CHANNEL         RECT         CORDETER         NO         Santa Ana         NE         6.00         0.0         1.8         3.8	Undergro	und Conduit	щ	18070204	AGUA CHINON CHANNEL	6-RCB	Concrete	No	Santa Ana	Yes	000.09	10.0	61	33.65367183000	-117.74178129000
A         SIRDYLOUGE FULLERTON CHANNEL         TRAP         Concrete         No         Sama Ana         No         14000         60         141         33.882137030           A         SIRDYLOUGE FULLERTON CHANNEL         TRAP         GRAPED         No         Sama Ana         No         14000         60         87         33.88237300           A         SIRDYLOUGE FULLERTON CHANNEL         TRAP         GRAPED         No         Sama Ana         No         50000         80         87         33.88237300           A         SIRDYLOUGE FULLERTON CHANNEL         TRAP         Concrete         No         Sama Ana         No         50000         80         87         33.88237300           C         SIRDYLOUGE FULLERTON CHANNEL         TRAP         Concrete         No         Sama Ana         No         5000         80         87         33.88237300           C         SIRDYLOUGH CHANNEL         TRAP         Concrete         No         Sama Ana         No         5000         80         33.4823742000           C         SIRDYLOUGH CHANNEL         TRAP         Concrete         No         Sama Ana         80         80         33.5900         90         83.3823742000           F         SIRDYLOUGH C	Concrete-Lined	Lined	ш	18070204	AGUA CHINON CHANNEL	RECT	Concrete	No	Santa Ana	Yes	000.09	0.0	192	33.65115216000	-117.75499940000
A         SIRDYIDIDE FLUILERTON CHANNEL         TRAP         Connecte         No         Sama Ana         No         1300000         S0         457         338284768000           A         18071016 FLUILERTON CHANNEL         TRAP         RPAPAD         No         Sama Ana         No         20000         80         851         3382847883000           A         18071016 FLUILERTON CHANNEL         TRAP         RPAPAD         No         5ama Ana         No         20000         80         851         3382847883000           I         18071016 FLUILERTON CHANNEL         RCB         Connecte         No         5ama Ana         No         1000         30         851         3382847882000           C         18077020 SULLANIA CHANNEL         RCB         Connecte         No         5ama Ana         No         35000         30         852         33859728200           C         18077020 SULLANIA CHANNEL         RCB         Connecte         No         5ama Ana         No         35000         30         85         33.575822000           F         18077020 SULLANIA CHANNEL         RCB         Connecte         No         5ama Ana         No         35000         0         25         33.575822000 <t< td=""><td>Concrete-Lined</td><td>Lined</td><td>⋖</td><td>18070106</td><td>FULLERTON CHANNEL</td><td>TRAP</td><td>Concrete</td><td>No</td><td>Santa Ana</td><td>No</td><td>14.000</td><td>7.5</td><td>438</td><td>33.88038571000</td><td>-117.89752249000</td></t<>	Concrete-Lined	Lined	⋖	18070106	FULLERTON CHANNEL	TRAP	Concrete	No	Santa Ana	No	14.000	7.5	438	33.88038571000	-117.89752249000
A         SIRDYOLDS CHLIERTON CHANNEL         TRAP         Rip-Rep         NO         Samta Ana         NO         20000         8.0         457         33.88281330000           A         18070105 CHLIERTON CHANNEL         TRAP         CONTERE         NO         Samta Ana         NO         5000         2.0         7.0         147         33.88281323000           I         18070105 CHLIERTON CHANNEL         RCB         CONTERE         NO         Samta Ana         NO         5000         2.0         3.0         33.88281323000           C         18070201 LAGUNA CHANNEL         RCB         CONTERE         NO         Samta Ana         NO         5000         2.0         3.0         3.5         33.8859272000           C         18070201 LAGUNA CHANNEL         RCD         CONTERE         NO         Samta Ana         NO         5000         0.0         3.0         3.5         33.8552742000           F         18070201 LAGUNA CHANNEL         RCD         CONTERE         NO         Samta Ana         NO         5000         0.0         3.0         33.8593274000           F         18070201 LAGUNA CHANNEL         RCB         CONTERE         NO         Samta Ana         NO         5000         0.0         3.0 <td>Concrete-Lined</td> <td>Lined</td> <td>⋖</td> <td>18070106</td> <td>FULLERTON CHANNEL</td> <td>TRAP</td> <td>Concrete</td> <td>N<sub>o</sub></td> <td>Santa Ana</td> <td>No</td> <td>14.000</td> <td>0.9</td> <td>141</td> <td>33.88110703000</td> <td>-117.89697238000</td>	Concrete-Lined	Lined	⋖	18070106	FULLERTON CHANNEL	TRAP	Concrete	N <sub>o</sub>	Santa Ana	No	14.000	0.9	141	33.88110703000	-117.89697238000
A         18070106 FULLERTON CHANNEL         TRAP         Rip-Rap         No         Santa Ana         No         20.00         1.0         1.0         3.88.8313300           A         18070106 FULLERTON CHANNEL         TRAP         Concrete         No         Santa Ana         No         1.0         1.0         1.0         3.88.831300           E         18070106 FULLERTON CHANNEL         RCB         Concrete         No         Santa Ana         No         1.0         1.0         1.0         3.88.831300           C         1807010 STOSIA STORMACHANNEL         RCB         Concrete         No         Santa Ana         No         1.0         3.80         9.7         1.0         3.888737000           C         18070201 STORMACHANNEL         RCB         Concrete         No         Santa Ana         No         3.50         3.3         3.385737300           F         18070201 STORMACHANNEL         RCB         Concrete         No         Santa Ana         No         3.50         0.0         0.0         3.5         3.3387373000           F         18070201 ALISO CREEK CHANNEL         RCB         Concrete         No         Santa Ana         No         3.50         0.0         0.0         0.0         3.5 <td>Earth Channel</td> <td>nnel</td> <td>⋖</td> <td>18070106</td> <td>FULLERTON CHANNEL</td> <td>TRAP</td> <td>Rip-Rap</td> <td>N<sub>o</sub></td> <td>Santa Ana</td> <td>No</td> <td>20.000</td> <td>8.0</td> <td>851</td> <td>33.88284769000</td> <td>-117.89503931000</td>	Earth Channel	nnel	⋖	18070106	FULLERTON CHANNEL	TRAP	Rip-Rap	N <sub>o</sub>	Santa Ana	No	20.000	8.0	851	33.88284769000	-117.89503931000
A         1807/1016 FULLERTON CHANNEL         RRAP         Concrete         No         Santa Ana         No         6 5000         70         104         33.883/73800           1         1807/3016 FULLERTON CHANNEL         RCB         Concrete         No         Santa Ana         No         145.00         7         10         33.883/73800           C         1807/3013 LACUNA CHANNEL         RCB         Concrete         No         Santa Ana         No         50.0         3         31.83         33.855/32000           C         1807/301 SUNDAL SETTE STORM CHANNEL         RCD         Concrete         No         Santa Ana         No         50.0         3         31.83         33.859/32000           F         1807/201 SUNDAL SETTE STORM CHANNEL         RCB         Concrete         No         Santa Ana         No         50.0         8         36.0         33.859/32000           1         1807/201 ALISO CREEK CHANNEL         RCB         Concrete         No         Santa Ana         No         50.0         0         35.7         33.859/32000           1         1807/201 ALISO CREEK CHANNEL         RT         Concrete         No         Santa Ana         No         50.0         0         35.7         33.850	Earth Channel	nnel	⋖	18070106	FULLERTON CHANNEL	TRAP	Rip-Rap	No	Santa Ana	No	20.000	8.0	457	33.88381533000	-117.89341675000
A         18070201         ACMINICAMUCIANNEL         RCB         Concrete         No         Santa Ana         No         1400         75         172         33.8839300000           E         18070201         ACMINICAMANON CHANNEL         RECT         Concrete         No         Santa Ana         No         1400         0.0         8.0         33.8859372000           C         18070201         BEFERANIZ CHANNEL         RECT         Concrete         No         Santa Ana         No         3.00         8.0         33.859352000           F         18070204         GUITHACET         RCP         Concrete         No         Santa Ana         No         3.00         8.0         33.75993743000           F         18070204         SOUTHAVEST USTIN CHANNEL         RCB         Concrete         No         Santa Ana         No         2.00         6.0         8.0         33.75993742000           J         18070204         ALISO CREEK CHANNEL         ET         Earth         No         San Diego         Yes         5.00         0.0         8.0         33.5994740000           J         18070204         ALISO CREEK CHANNEL         ET         Earth         No         San Diego         Yes         5.00 <t< td=""><td>Concrete-Lined</td><td>Lined</td><td>۷</td><td>18070106</td><td>FULLERTON CHANNEL</td><td>TRAP</td><td>Concrete</td><td>N<sub>o</sub></td><td>Santa Ana</td><td>N<sub>o</sub></td><td>000'9</td><td>7.0</td><td>104</td><td>33.88177812000</td><td>-117.89619539000</td></t<>	Concrete-Lined	Lined	۷	18070106	FULLERTON CHANNEL	TRAP	Concrete	N <sub>o</sub>	Santa Ana	N <sub>o</sub>	000'9	7.0	104	33.88177812000	-117.89619539000
1         18070201         LAGINA CHANNEL         RCB         Concrete         No.         Sant Delgo         No.         145,000         S.         33.458557000           C         18070201         ESTELETICHANNEL         RCF         Concrete         No.         Sant Data         180         3.0         9.0         9.0         3.0         33.458557000           C         18070201         ESTELETICHANEL         RCF         Concrete         No.         Sant Anal         No.         1.00         5.0         3.3458557000           F         18070204         SOUTHWEST USINI CHANNEL         RCB         Concrete         No.         Sant Anal         No.         1.00         6.0         5.0         33.458735000           J         18070204         SOUTHWEST USINI CHANNEL         RCB         Concrete         No.         Sant Delgo         Yes         2.00         0.0         33.4587433000           J         18070204         ALISO CREEK CHANNEL         FT         Earth         No.         Sant Delgo         Yes         2.00         0.0         33.458433000           J         18070204         ALISO CREEK CHANNEL         FT         Earth         No.         Sant Delgo         Yes         2.00         0.0 <td>Undergro</td> <td>und Conduit</td> <td>⋖</td> <td>18070106</td> <td>FULLERTON CHANNEL</td> <td>RCB</td> <td>Concrete</td> <td>N<sub>o</sub></td> <td>Santa Ana</td> <td>No</td> <td>14.000</td> <td>7.5</td> <td>172</td> <td>33.88799287000</td> <td>-117.89009277000</td>	Undergro	und Conduit	⋖	18070106	FULLERTON CHANNEL	RCB	Concrete	N <sub>o</sub>	Santa Ana	No	14.000	7.5	172	33.88799287000	-117.89009277000
E         1807/2020         SEPRANAZ CANNIEL         RECT         Concrete         No         Santa Ana         No         3500         35         35         338         3388582000           C         1807/2021         BESTELSTORM CHANNEL         RCP         Concrete         No         Santa Ana         No         35.00         35         33         33.7579522000           F         1807/2021         GILBERT-CERRITOS STORM CHANNEL         RCB         Concrete         No         Santa Ana         No         50.00         6.0         52.7         33.7579522000           J         1807/2024         SOUTHWEST TUSTIN CHANNEL         RCB         Concrete         No         Sant Diego         Yes         50.00         0.0         52.7         33.7579522000           J         1807/2021         ALISO CREEK CHANNEL         ET         Earth         No         Sant Diego         Yes         52.000         0.0         53.3559423000           J         1807/2021         ALISO CREEK CHANNEL         ET         Earth         No         Sant Diego         Yes         52.000         0.0         53.3559423000           J         1807/2021         ALISO CREEK CHANNEL         ET         Earth         No         Sant Diego	Undergro	und Conduit	-	18070301	LAGUNA CANYON CHANNEL	RCB	Concrete	Yes	San Diego	No	14.500	0.0	36	33.54592742000	-117.78195461000
C         18070201         GIRSTIL STONAMEL CHANNEL         RCP         Concrete         No         Santa Ana         No         3500         35         33         33         33         33,757/352000           F         18070203         GILBERT-CERRETOS STORM DRAIN         RCP         Concrete         No         Santa Ana         No         500         60         527         33,757/35200           J         18070204         SOUTHWEST TUSTIN CHANNEL         RCB         Concrete         No         Santa Ana         No         7000         60         527         33,759/352000           J         18070201         AUSO CREEK CHANNEL         FCB         Concrete         No         Sant Diego         Yes         52,000         00         33,559/350000           J         18070201         AUSO CREEK CHANNEL         FT         Earth         No         Sant Diego         Yes         52,000         00         33,559/3409000           J         18070201         AUSO CREEK CHANNEL         FT         Earth         No         Sant Diego         Yes         52,000         00         33,559/3409000           J         18070201         AUSO CREEK CHANNEL         FT         Earth         No         Sant Bank         No	Concrete-Lined	-Lined	ш	18070203	ESPERANZA CHANNEL	RECT	Concrete	N <sub>o</sub>	Santa Ana	No	9.000	9.0	862	33.88585520000	-117.76376310000
C         18070201         SIMPADOLI GIRERICERRIOS SYORNO DRAIN         RCP         Concrete         No         Santa Ana         No         5.00         5.0         5.2         33.580324300           F         18070204         SOLTHWEST TUSTIN CHANNEL         RCB         Concrete         No         Santa Ana         No         5.00         6.0         5.27         33.75802053000           J         18070204         SOLTHWEST TUSTIN CHANNEL         ET         Concrete         No         San Diego         Yes         5.00         0.0         5.0         53.758202000           J         18070301         ALISO CREEK CHANNEL         ET         Earth         No         San Diego         Yes         5.00         0.0         16.0         33.53493500000           J         18070301         ALISO CREEK CHANNEL         ET         Earth         No         San Diego         Yes         5.00         0.0         16.0         33.53493500000           J         18070301         ALISO CREEK CHANNEL         ET         Earth         No         San Diego         Yes         5.00         0.0         16.0         33.5349350000           J         L         Earth         No         San Diego         Yes         5.00	Undergro	und Conduit	U	18070201	BESTEL STORM CHANNEL	RCP	Concrete	No	Santa Ana	N <sub>o</sub>	3.500	3.5	1381	33.76778552000	-118.00487431000
F         13070204         SOUTHWEST TUSTIN CHANNEL         RCB         Concrete         No         Santa Ana         No         7000         6.0         527         33.7589023000           J         13070204         SOUTHWEST TUSTIN CHANNEL         RCB         Concrete         No         San Diego         Yes         50.00         0.0         527         33.7589023000           J         13070201         ALISO CREEK CHANNEL         ET         Earth         No         San Diego         Yes         52.00         0.0         1         6         33.7598022000           J         13070201         ALISO CREEK CHANNEL         ET         Earth         No         San Diego         Yes         52.00         0.0         1         6         33.7598022000           J         13070201         ALISO CREEK CHANNEL         ET         Earth         No         San Diego         Yes         52.00         0.0         1         33.594736000           J         13070201         ALISO CREEK CHANNEL         F         Earth         No         San Diego         Yes         52.00         0.0         1         33.594736000           J         13070201         ALISO CREEK CHANNEL         F         Earth         No	Undergro	ound Conduit	U	18070201	GILBERT-CERRITOS STORM DRAIN	RCP	Concrete	No	Santa Ana	No	8.000	8.0	3604	33.80794433000	-117.96762493000
F         18070204         South-West TUSTIN CHANNEL         RCB         Concrete         No         Santa Ana         No         500         6.0         527         33.756012700           1         18070301         ALISO CREEK CHANNEL         ET         Earth         No         San Diego         Yes         52.000         0.0         6.0         569         33.5719622000           1         18070301         ALISO CREEK CHANNEL         ET         Earth         No         San Diego         Yes         52.000         0.0         16.0         33.5945748000           1         18070301         ALISO CREEK CHANNEL         ET         Earth         No         San Diego         Yes         52.000         0.0         16.0         33.5945748000           1         18070301         ALISO CREEK CHANNEL         ET         Earth         No         San Diego         Yes         50.00         0.0         16.0         33.5945748000           1         18070301         ALISO CREEK CHANNEL         FT         Concrete         No         San Diego         Yes         20.00         0.0         13.5345749000           1         18070204         ALIC         Concrete         No         San Diego         Yes <td< td=""><td>Undergro</td><td>ound Conduit</td><td>ш</td><td>18070204</td><td>SOUTHWEST TUSTIN CHANNEL</td><td>RCB</td><td>Concrete</td><td>No</td><td>Santa Ana</td><td>No</td><td>7.000</td><td>0.9</td><td>527</td><td>33.75980258000</td><td>-117.83935903000</td></td<>	Undergro	ound Conduit	ш	18070204	SOUTHWEST TUSTIN CHANNEL	RCB	Concrete	No	Santa Ana	No	7.000	0.9	527	33.75980258000	-117.83935903000
1         18070301         ALISO CREEK CHANNEL         RCB         Concrete         No         San Diego         Yes         30,000         0.0         669         33.571665200           1         18070301         ALISO CREEK CHANNEL         ET         Earth         No         San Diego         Yes         52,000         0.0         0.0         135.93430000           1         18070301         ALISO CREEK CHANNEL         ET         Earth         No         San Diego         Yes         52,000         0.0         0.0         135.93430000           1         18070301         ALISO CREEK CHANNEL         ET         Earth         No         San Diego         Yes         52,000         0.0         0.0         135.934340000           1         18070301         ALISO CREEK CHANNEL         ET         Concrete         No         San Diego         Yes         52,000         0.0         140         33.534340000           1         18070301         ALISY CREEK CHANNEL         Earth         No         San Diego         Yes         52,000         0.0         140         33.534340000           1         18070201         ALISY CHANNEL         RCP         Concrete         No         San Diego         Yes	Undergro	ound Conduit	ш	18070204	SOUTHWEST TUSTIN CHANNEL	RCB	Concrete	No	Santa Ana	No	7.000	0.9	527	33.76001797000	-117.83963340000
j         18070301         ALISO CREEK CHANNEL         ET         Earth         No         San Diego         Yes         52,000         0.0         105         33.59313900000           j         18070301         ALISO CREEK CHANNEL         ET         Earth         No         San Diego         Yes         52,000         0.0         105         33.59433900000           j         18070301         ALISO CREEK CHANNEL         ET         Earth         No         San Diego         Yes         52,000         0.0         10         33.5943739000           j         18070301         ALISO CREEK CHANNEL         ET         Earth         No         San Diego         Yes         52,000         0.0         10         33.5943739000           j         18070301         ALISO CREEK CHANNEL         RCD         Concret         No         San Diego         Yes         52,000         0.0         10         33.5943739000           j         18070204         LANE CHANNEL         RCP         Concret         No         San Diego         Yes         50.0         10         13         33.5943739000           f         18070204         LANE CHANNEL         RECT         Concret         No         San Diego         Yes <td>Undergro</td> <td>ound Conduit</td> <td>_</td> <td>18070301</td> <td>ALISO CREEK CHANNEL</td> <td>RCB</td> <td>Concrete</td> <td>No</td> <td>San Diego</td> <td>Yes</td> <td>30.000</td> <td>0.0</td> <td>269</td> <td>33.57196522000</td> <td>-117.71658480000</td>	Undergro	ound Conduit	_	18070301	ALISO CREEK CHANNEL	RCB	Concrete	No	San Diego	Yes	30.000	0.0	269	33.57196522000	-117.71658480000
j         18070301         ALISO CREEK CHANNEL         ET         Earth         No         San Diego         Yes         52,000         0.0         163         33.5943780000           j         18070301         ALISO CREEK CHANNEL         ET         Earth         No         San Diego         Yes         52,000         0.0         141         33.59437400000           j         18070301         ALISO CREEK CHANNEL         ET         Earth         No         San Diego         Yes         52,000         0.0         141         33.5943740000           j         18070301         ALISO CREEK CHANNEL         RCB-2         Concret         No         San Diego         Yes         52,000         0.0         141         33.5943740000           j         18070301         ALISO CREEK CHANNEL         RCB         Concret         No         San Diego         Yes         160         0.0         151         33.5943740000           j         18070301         LANE CHANNEL         RCP         Concret         No         San Diego         Yes         100         0.0         13         33.5943740000           j         18070204         LANE CHANNEL         RCP         Concret         No         San Diego         Yes	Earth Channel	annel	_	18070301	ALISO CREEK CHANNEL	ET	Earth	N <sub>o</sub>	San Diego	Yes	52.000	0.0	200	33.59319932000	-117.71111720000
j         18070301         ALISO CREEK CHANNEL         ET         Earth         No         San Diego         Yes         52,000         0.0         33.5943439000           j         18070301         ALISO CREEK CHANNEL         ET         Earth         No         San Diego         Yes         52,000         0.0         141         33.5943439000           j         18070301         ALISO CREEK CHANNEL         RCB-2         Concrete         No         San Diego         Yes         10.0         0.0         151         33.59543439000           j         18070301         DAIRY FORK         CHANCH         No         San Diego         Yes         16.000         0.0         151         33.59543439000           j         18070304         LANE CHANNEL         RCB         Concrete         No         San Diego         Yes         16.00         0.0         31         33.59543439000           j         18070204         LANE CHANNEL         RCP         Concrete         No         San Diego         Yes         1.0         31         33.59543439000           j         18070204         LANE CHANNEL         RCP         Concrete         No         San Diego         Yes         1.0         31         33.595434390	Earth Channel	innel	_	18070301	ALISO CREEK CHANNEL	Ы	Earth	No	San Diego	Yes	52.000	0.0	163	33.59435800000	-117.71091094000
j         18070301         ALISO CREEK CHANNEL         ET         Earth         No         San Diego         Yes         52,000         0.0         141         33.55947349000           j         18070301         ALISO CREEK CHANNEL         RCB-2         Concrete         No         San Diego         Yes         16.00         0.0         391         33.505240300           j         18070301         ALISO CREEK CHANNEL         RCB         Concrete         No         San Diego         Yes         16.00         0.0         391         33.505240300           f         18070304         LANE CHANNEL         RCB         Concrete         No         Santa Ana         No         1.00         1.1         702         33.505820300           f         18070304         LANE CHANNEL         RECT         Concrete         No         Santa Ana         No         25.00         0.0         95         33.5954734000           f         18070304         LANE CHANNEL         RECT         Concrete         No         Santa Ana         No         25.00         0.0         95         33.5954734900           f         18070204         LANE CHANNEL         RECT         Concrete         No         Santa Ana         No	Earth Channel	nnel	$\neg$	18070301	ALISO CREEK CHANNEL	Ы	Earth	No	San Diego	Yes	52.000	0.0	302	33.59497409000	-117.71071815000
j         18070301         ALISO CREEK CHANNEL         RCB-2         Concrete         No         San Diego         Ves         24.000         0.0         165         33.60282024000           j         18070301         DAIRY FORK         RCP         Concrete         No         San Diego         No         16.000         0.0         391         33.60282024000           f         18070302         IARIY FORK         RCB         Concrete         No         San Diego         No         10.00         0.0         391         33.60282024000           f         18070302         IARIC HANNEL         RCP         Concrete         No         Santa Ana         No         20.00         0.0         395         33.6968517900           f         18070204         IARIC HANNEL         RECT         Concrete         No         Santa Ana         No         22.000         0.0         33.5958517900           f         18070204         IARCHEILD CHANNEL         RECT         Concrete         No         Santa Ana         No         22.000         0.0         33.536985171000           f         18070204         IARCHEILD CHANNEL         RECT         Concrete         No         Santa Ana         No         22.000	Earth Channel	annel	_	18070301	ALISO CREEK CHANNEL	ET	Earth	8 N	San Diego	Yes	52.000	0.0	141	33.59547349000	-117.71031101000
J         18807301         DAIRY FORK         RCP         Concrete         No         San Diego         No         8.000         0.0         331         33.59055179000           J         188073021         LANE CHANNEL         RCB         Concrete         No         Santa Ana         No         1.000         1.0         33.5         33.59055179000           F         18070204         LANE CHANNEL         RECT         Concrete         No         Santa Ana         No         2.000         0.0         35.5         33.69380173000           E         18070204         LANE CHANNEL         RECT         Concrete         No         Santa Ana         No         2.000         0.0         35.5         33.69380173000           F         18070204         LANE CHANNEL         RECT         Concrete         No         Santa Ana         No         2.000         0.0         35.3         33.8739530000           F         18070204         LANE CHANNEL         RRP         Concrete         No         Santa Ana         No         2.000         0.0         35.3         33.8739533000           F         18070204         LANE CHANNEL         RRP         Concrete         No         Santa Ana         No <td< td=""><td>Undergr</td><td>ound Conduit</td><td>_</td><td>18070301</td><td>ALISO CREEK CHANNEL</td><td>RCB-2</td><td>Concrete</td><td>N<sub>o</sub></td><td>San Diego</td><td>Yes</td><td>24.000</td><td>0.0</td><td>165</td><td>33.60282024000</td><td>-117.70269128000</td></td<>	Undergr	ound Conduit	_	18070301	ALISO CREEK CHANNEL	RCB-2	Concrete	N <sub>o</sub>	San Diego	Yes	24.000	0.0	165	33.60282024000	-117.70269128000
j         18970301         ENGLISH CANVON CHANNEL         RCB         Concrete         No         Santa Ana         16.000         0.0         151         33.62702239000           F         18070304         LANE CHANNEL         TRAP         Earth         No         Santa Ana         No         11.000         11.0         33.6688605600           F         18070304         LANE CHANNEL         RECT         Concrete         No         Santa Ana         No         25.000         0.0         33.6988605600           F         18070304         LANE CHANNEL         RECT         Concrete         No         Santa Ana         No         25.000         0.0         95         33.69867118000           F         18070304         LANE CHANNEL         TRAP         Earth         No         Santa Ana         No         25.000         0.0         95         33.6986711000           F         18070204         LANE CHANNEL         TRAP         Earth         No         Santa Ana         No         25.000         3.0         4.5         33.6986711000           F         18070204         SANTA ANA-DELHI CHANNEL         TRAP         Concrete         No         Santa Ana         No         25.00         3.0         4.5	Undergro	ound Conduit	_	18070301	DAIRY FORK	RCP	Concrete	No	San Diego	N <sub>o</sub>	8.000	0.0	391	33.59055179000	-117.71408130000
F         18070204         ANE CHANNEL         TRAP         Earth         No         Santa Ana         No         11.00         11.0         1702         33.6968056000           F         18070204         ANE CHANNEL         RECT         Concrete         No         Santa Ana         No         20.000         0.0         395         33.6968056000           E         18070204         RICHFIELD CHANNEL         RECT         Concrete         No         Santa Ana         No         25.000         0.0         395         33.6948018000           F         18070204         LANE CHANNEL         RECT         Concrete         No         Santa Ana         No         24.00         1.70         1927         33.6956711000           F         18070204         LANE CHANNEL         RCP         Concrete         No         Santa Ana         No         24.00         1.70         1927         33.6956711000           F         18070204         LANE CHANNEL         RCP         Concrete         No         Santa Ana         No         12.00         1.70         1.70         1.92         33.6958711000           F         18070204         LANTA ANA-DELHI CHANNEL         RCP         Concrete         No         Santa Ana<	Concrete-Lined	Lined	_	18070301	ENGLISH CANYON CHANNEL	RCB	Concrete	No	San Diego	Yes	16.000	8.0	151	33.62702279000	-117.67921253000
F         18070204         LANE CHANNEL         RECT         Concrete         No         Santa Ana         No         20.000         0.0         395         33.69480148000           E         18070204         CANTERIELD CHANNEL         RECT         Concrete         No         Santa Ana         No         25.000         0.0         12         33.8739630000           F         18070204         RICHFIELD CHANNEL         RECT         Concrete         No         Santa Ana         No         25.000         0.0         12         33.8739630000           F         18070204         RICHFIELD CHANNEL         RECT         Concrete         No         Santa Ana         No         4.50         4.5         33.8739630000           C         18070204         ANTA ANA-DELHI CHANNEL         RCP         Concrete         No         Santa Ana         No         4.5         33.600         13.7         33.6736601600           F         18070204         ANTA ANA-DELHI CHANNEL         RCP         Concrete         No         Santa Ana         No         4.5         33.67365000           F         18070204         SANTA ANA-DELHI CHANNEL         RCP         Concrete         No         Santa Ana         No         1.00         1	Earth Channel	annel	ш	18070204	LANE CHANNEL	TRAP	Earth	No	Santa Ana	No	11.000	11.0	1702	33.69686056000	-117.85845340000
E         18070106         RICHFIELD CHANNEL         RECT         Concrete         No         Santa Ana         No         25.000         0.0         95         33.871607138000           E         18070106         RICHFIELD CHANNEL         RECT         Concrete         No         Santa Ana         No         25.000         0.0         95         33.87295390000           F         18070202         LANE CHANNEL         RRCP         Concrete         No         Santa Ana         No         45.00         4.5         34.1         33.87295390000           C         18070202         LANE CHANNEL         RRCP         Concrete         No         Santa Ana         No         4.500         4.5         34.5         33.8739505000           F         18070204         LANE CHANNEL         RRCP         Concrete         No         Santa Ana         No         4.500         4.5         34.5         33.8739505000           F         18070204         SANTA ANA-DELHI CHANNEL         RRCB         Concrete         No         Santa Ana         No         4.500         15.0         15.0         13.0         33.67455536000           F         18070204         SANTA ANA-DELHI CHANNEL         RRCT         Concrete         No <td>Concrete-Lined</td> <td>-Lined</td> <td>ш</td> <td>18070204</td> <td>LANE CHANNEL</td> <td>RECT</td> <td>Concrete</td> <td>N<sub>o</sub></td> <td>Santa Ana</td> <td>No</td> <td>20.000</td> <td>0.0</td> <td>395</td> <td>33.69480148000</td> <td>-117.85550527000</td>	Concrete-Lined	-Lined	ш	18070204	LANE CHANNEL	RECT	Concrete	N <sub>o</sub>	Santa Ana	No	20.000	0.0	395	33.69480148000	-117.85550527000
E         18070106         RICHFIELD CHANNEL         RECT         Concrete         No         Santa Ana         No         22,000         0.0         95         33.87295390000           F         18070204         LANE CHANNEL         TRAP         Earth         No         5anta Ana         No         24,000         17.0         95         33.67966711000           F         18070204         LANE CHANNEL         RCP         Concrete         No         5anta Ana         No         4.50         4.5         34.1         33.7877970000           F         18070204         LANE CHANNEL         RCP         Concrete         No         5anta Ana         No         12.00         1.5         2.2         33.6584118000           F         18070204         LANE ANA-BELHI CHANNEL         3-RCB         Concrete         No         5anta Ana         Yes         51.00         16.0         13.0         33.67455336000           F         18070204         SANTA ANA-BELHI CHANNEL         RECT         Concrete         No         5anta Ana         No         4.0         1.0         1.0         1.0         1.3         33.67455336000           F         18070204         SANTA ANA-BELHI CHANNEL         RECT         Concrete	Concrete-Lined	-Lined	ш	18070106	RICHFIELD CHANNEL	RECT	Concrete	No	Santa Ana	N <sub>o</sub>	25.000	0.0	112	33.87160718000	-117.83254181000
F         18070204         LANE CHANNEL         TRAP         Earth         No         Santa Ana         No         24.000         17.0         1927         33.67966711000           F         18070203         No Name         RCP         Concrete         No         Santa Ana         No         4.50         4.5         34.1         33.78779705000           C         18070201         CHAPMAN-BEACH STORM DRAIN         RCP         Concrete         No         Santa Ana         No         4.50         4.5         34.1         33.78779705000           F         18070204         LANE CHANNEL         TRAP         Earth         No         5anta Ana         Yes         54.00         16.0         45.2         33.6883230700           F         18070204         SANTA ANA-DELHI CHANNEL         3.RCB         Concrete         No         Santa Ana         Yes         51.00         16.0         137.0         33.6745536000           F         18070204         SANTA ANA-DELHI CHANNEL         RCT         Concrete         No         Santa Ana         No         10.0         14.0         33.690545000           F         18070204         SANTA ANA-DELHI CHANNEL         RCT         Concrete         No         Santa Ana	Concrete-Lined	-Lined	ш	18070106	RICHFIELD CHANNEL	RECT	Concrete	N <sub>o</sub>	Santa Ana	No	22.000	0.0	92	33.87295390000	-117.82678922000
F         18070203         No Name         RCP         Concrete         No         Santa Ana         No         4500         45         341         33.78779705000           C         18070201         CHAPMAN-BEACH STORM DRAIN         RCP         Concrete         No         Santa Ana         No         45         34         33.78779705000           F         18070201         CHAPMAN-BEACH STORM DRAIN         TRAP         Earth         No         5anta Ana         No         12.00         13.5         2292         33.68833307000           F         18070204         SANTA ANA-DELHI CHANNEL         3-RCB         Concrete         No         Santa Ana         Yes         51.00         16.0         13.70         33.6745536000           F         18070204         SANTA ANA-DELHI CHANNEL         RCT         Concrete         No         Santa Ana         No         16.0         13.70         33.6745536000           F         18070204         SANTA ANA-DELHI CHANNEL         RCT         Concrete         No         Santa Ana         No         120.00         14.0         33.677553000           F         18070204         SANTAGO CREEK CHANNEL         TRAP         Earth         No         5anta Ana         No         120.00<	Earth Channel	annel	щ	18070204	LANE CHANNEL	TRAP	Earth	No	Santa Ana	No	24.000	17.0	1927	33.67966711000	-117.84886341000
C         18070201         CHAPMAN-BEACH STORM DRAIN         RCP         Concrete         No         Santa Ana         No         3.000         3.0         45         33.79016418000           F         18070204         LANE CHANNEL         TRAP         Earth         No         Santa Ana         No         12.000         13.5         2292         33.68833307000           F         18070204         SANTA ANA-DELHI CHANNEL         3-RCB         Concrete         No         Santa Ana         Yes         51.000         16.0         13.70         33.6844196000           F         18070204         SANTA ANA-DELHI CHANNEL         3-RCB         Concrete         No         Santa Ana         Yes         51.00         16.0         13.70         33.6745536000           F         18070204         SANTA ANA-DELHI CHANNEL         RCT         Concrete         No         Santa Ana         No         120.00         14.0         95.0         13.370         33.6745536000           F         18070204         SANTA ANA-DELHI CHANNEL         RCT         Concrete         No         Santa Ana         No         120.00         14.0         95.1         33.78775831000           E         18070203         SANTIAGO CREEK CHANNEL         TRAP	Undergro	ound Conduit	ш	18070203	No Name	RCP	Concrete	No	Santa Ana	N <sub>o</sub>	4.500	4.5	341	33.78779705000	-117.80073840000
F         18070204         LANE CHANNEL         TRAP         Earth         No         Santa Ana         No         12.000         13.5         2292         33.68832307000           F         18070204         SANTA ANA-DELHI CHANNEL         3-RCB         Concrete         Ves         5-100         16.0         13.70         33.65844196000           F         18070204         SANTA ANA-DELHI CHANNEL         3-RCB         Concrete         No         Santa Ana         Yes         51.00         16.0         1370         33.67166016000           F         18070204         SANTA ANA-DELHI CHANNEL         RCT         Concrete         No         Santa Ana         No         70.00         14.0         13.0         33.6715536000           F         18070204         SANTA ANA-DELHI CHANNEL         FRCT         Concrete         No         Santa Ana         No         70.00         14.0         95.1         33.6735536000           E         18070204         SANTAGO CREEK CHANNEL         TRAP         Earth         No         Santa Ana         No         100.00         14.0         95.2         33.78776831000           E         18070203         SANTIAGO CREEK CHANNEL         TRAP         Rip-rap         Rip-rap         No	Undergr	ound Conduit	J	18070201	CHAPMAN-BEACH STORM DRAIN	RCP	Concrete	N <sub>o</sub>	Santa Ana	%	3.000	3.0	45	33.79016418000	-117.98794280000
F         18070204         SANTA ANA-DELHI CHANNEL         3+CB         Concrete         Ves         Santa Ana         Ves         54,000         16.0         62         33.65844196000           F         18070204         SANTA ANA-DELHI CHANNEL         3+CB         Concrete         No         Santa Ana         Yes         51,000         16.0         1370         33.67166016000           F         18070204         SANTA ANA-DELHI CHANNEL         RECT         Concrete         No         Santa Ana         No         42.000         14.0         14.3         33.6715536000           F         18070204         SANTA ANA-DELHI CHANNEL         RECT         Concrete         No         Santa Ana         No         70.00         14.0         14.3         33.6875580000           E         18070204         SANTAGO CREEK CHANNEL         TRAP         Earth         No         Santa Ana         No         100.00         14.0         95.2         33.78776831000           E         18070203         SANTIAGO CREEK CHANNEL         TRAP         Rip-rap         Rip-rap         No         Santa Ana         No         100.00         14.0         95.2         33.78776831000           E         18070203         CALUTINEL STORM DELMI CHANNEL	Earth Channel	annel	ш	18070204	LANE CHANNEL	TRAP	Earth	No	Santa Ana	N <sub>o</sub>	12.000	13.5	2292	33.68832307000	-117.85336067000
F         18070204         SANTA ANA-DELHI CHANNEL         3-RCB         Concrete         No         Santa Ana         Ves         51.000         16.0         1370         33.67166016000           F         18070204         SANTA ANA-DELHI CHANNEL         RECT         Concrete         No         Santa Ana         Ves         51.000         16.0         1370         33.67455536000           F         18070204         SANTA ANA-DELHI CHANNEL         RECT         Concrete         No         Santa Ana         No         70.000         14.0         14.3         33.67455536000           E         18070203         SANTAGO CREEK CHANNEL         TRAP         Earth         No         Santa Ana         No         100.000         14.0         95.2         33.78776831000           E         18070203         SANTIAGO CREEK CHANNEL         TRAP         Rip-rap         No         Santa Ana         Ves         8.00         1.0         95.2         33.78776831000           E         18070203         CALLINS CHANNEL         TRAP         Rip-rap         Rip-rap         No         Santa Ana         No         3.250         3.2         33.37868231000           F         18070203         NO Name         RCP         Concrete <td< td=""><td>Undergro</td><td>ound Conduit</td><td>щ</td><td>18070204</td><td>SANTA ANA-DELHI CHANNEL</td><td>3-RCB</td><td>Concrete</td><td>Yes</td><td>Santa Ana</td><td>Yes</td><td>54.000</td><td>16.0</td><td>62</td><td>33.65844196000</td><td>-117.88416651000</td></td<>	Undergro	ound Conduit	щ	18070204	SANTA ANA-DELHI CHANNEL	3-RCB	Concrete	Yes	Santa Ana	Yes	54.000	16.0	62	33.65844196000	-117.88416651000
F         18070204         SANTA ANA-DELHI CHANNEL         3+CB         Concrete         No         Santa Ana         Yes         51.000         16.0         1370         33.674553536000           F         18070204         SANTA ANA-DELHI CHANNEL         RCT         Concrete         No         Santa Ana         No         42.000         19.0         113         33.68705800000           F         18070204         SANTA ANA-DELHI CHANNEL         TRAP         Earth         No         Santa Ana         No         17.0         14.0         14.1         33.6877559000           E         18070203         SANTIAGO CREEK CHANNEL         TRAP         Earth         No         Santa Ana         No         100.000         14.0         95.2         33.78776831000           E         18070203         SANTIAGO CREEK CHANNEL         TRAP         Rip-rap         No         Santa Ana         No         100.00         14.0         95.2         33.78776831000           F         18070203         VANDERLIP STORM DRAIN         RCP         Concrete         No         Santa Ana         No         3.250         3.3         33.75880231000           F         18070203         NO Manne         RCP         Concrete         No         San	Undergro	ound Conduit	щ	18070204	SANTA ANA-DELHI CHANNEL	3-RCB	Concrete	No	Santa Ana	Yes	51.000	16.0	1370	33.67166016000	-117.88516400000
F         18070204         SANTA ANA-DELHI CHANNEL         RECT         Concrete         No         Santa Ana         No         42.000         19.0         113         33.68705800000           F         18070204         SANTA ANA-DELHI CHANNEL         5-RCB         Concrete         No         Santa Ana         No         70.000         14.0         14.13         33.68705890000           E         18070203         SANTIAGO CREEK CHANNEL         TRAP         Earth         No         Santa Ana         No         100.000         14.0         95.2         33.78776831000           E         18070203         SANTIAGO CREEK CHANNEL         TRAP         Rip-rap         No         Santa Ana         No         100.000         14.0         95.2         33.78776831000           E         18070204         VANDERLIP STORM DRAIN         RCP         Concrete         No         Santa Ana         No         3.500         3.5         140.2         33.7589028000           F         18070203         No Name         RCP         Concrete         No         Santa Ana         No         3.500         3.5         140.2         33.67801785000           F         18070203         PAULARINO CHANNEL         RCB         Concrete         No	Undergro	ound Conduit	щ	18070204	SANTA ANA-DELHI CHANNEL	3-RCB	Concrete	No	Santa Ana	Yes	51.000	16.0	1370	33.67455536000	-117.88589001000
F         18070204         SANTA ANA-DELHI CHANNEL         5-RCB         Concrete         No         Santa Ana         No         70.000         14.0         1413         33.69375495000           E         18070203         SANTIAGO CREEK CHANNEL         TRAP         Earth         No         Santa Ana         No         100.000         14.0         952         33.78075259000           E         18070203         SANTIAGO CREEK CHANNEL         TRAP         Earth         No         Santa Ana         No         100.000         14.0         952         33.78776831000           E         18070203         COLLINS CHANNEL         TRAP         Rip-rap         No         Santa Ana         No         3.250         3.3         2379         33.75680231000           F         18070204         Vander LIP STORM DRAIN         RCP         Concrete         No         Santa Ana         No         3.500         3.5         1402         33.75880231000           F         18070203         PAULARINO CHANNEL         RCB         Concrete         No         Santa Ana         No         9.000         6.0         75         33.67801785000	Concrete-Lined	-Lined	ш	18070204	SANTA ANA-DELHI CHANNEL	RECT	Concrete	No	Santa Ana	No	42.000	19.0	113	33.68705800000	-117.88337243000
E         18070203         SANTIAGO CREEK CHANNEL         TRAP         Earth         No         Santa Ana         No         120.000         1.5         591         33.78075259000           E         18070203         SANTIAGO CREEK CHANNEL         TRAP         Earth         No         Santa Ana         No         100.000         14.0         952         33.78776831000           E         18070203         COLLINS CHANNEL         TRAP         Rip-rap         No         Santa Ana         Ves         8.000         12.0         1290         33.81212551000           F         18070204         VANDERLIP STORM DRAIN         RCP         Concrete         No         Santa Ana         No         3.500         3.5         1402         33.78972826000           F         18070203         PAULARINO CHANNEL         RCB         Concrete         No         Santa Ana         No         9.000         6.0         75         33.67801785000	Undergro	ound Conduit	щ	18070204	SANTA ANA-DELHI CHANNEL	5-RCB	Concrete	No	Santa Ana	No	70.000	14.0	1413	33.69375495000	-117.88337878000
E         18070203         SANTIAGO CREEK CHANNEL         TRAP         Earth         No         Santa Ana         Ves         100.000         14.0         952         33.78776831000           E         18070203         COLLINS CHANNEL         TRAP         Rip-rap         No         Santa Ana         Ves         8.000         12.0         1290         33.81212551000           F         18070204         VANDERLIP STORM DRAIN         RCP         Concrete         No         Santa Ana         No         3.500         3.5         1402         33.78972826000           F         18070203         PAULARINO CHANNEL         RCB         Concrete         No         Santa Ana         No         9.000         6.0         75         33.67801785000	Earth Channel	annel	ш	18070203	SANTIAGO CREEK CHANNEL	TRAP	Earth	No	Santa Ana	No	120.000	11.5	591	33.78075259000	-117.83490105000
E         18070203         COLLINS CHANNEL         TRAP         Rip-rap         No         Santa Ana         Ves         8.000         12.0         1290         33.81212551000           F         18070204         VANDERLIP STORM DRAIN         RCP         Concrete         No         Santa Ana         No         3.500         3.5         1402         33.75680231000           F         18070203         No Name         RCP         Concrete         No         Santa Ana         No         9.000         6.0         75         33.67801785000	Earth Channel	annel	ш	18070203	SANTIAGO CREEK CHANNEL	TRAP	Earth	No	Santa Ana	No	100.000	14.0	952	33.78776831000	-117.82924938000
F 18070204 VANDERLIP STORM DRAIN RCP Concrete No Santa Ana No 3.250 3.3 2379 33.75680231000 E 18070203 No Name RCP Concrete No Santa Ana No 3.500 3.5 1402 33.78972826000 F 18070203 PAULARINO CHANNEL RCB Concrete No Santa Ana No 9.000 6.0 75 33.67801785000	Riprap Channel	nannel	ш	18070203	COLLINS CHANNEL	TRAP	Rip-rap	No	Santa Ana	Yes	8.000	12.0	1290	33.81212551000	-117.85884154000
E         18070203         No Name         RCP         Concrete         No         Santa Ana         No         3.500         3.5         1402         33.78972826000           F         18070203         PAULARINO CHANNEL         RCB         Concrete         No         Santa Ana         No         9.000         6.0         75         33.67801785000	Undergr	ound Conduit	ш	18070204	VANDERLIP STORM DRAIN	RCP	Concrete	N <sub>o</sub>	Santa Ana	N <sub>o</sub>	3.250	3.3	2379	33.75680231000	-117.80965304000
F 18070203 PAULARINO CHANNEL RCB Concrete No Santa Ana No 9,000 6.0 75 33,67801785000	Undergr	ound Conduit	ш	18070203	No Name	RCP	Concrete	No	Santa Ana	No	3.500	3.5	1402	33.78972826000	-117.80129205000
	Undergro	und Conduit	ш	18070203	PAULARINO CHANNEL	RCB	Concrete	N <sub>o</sub>	Santa Ana	N <sub>o</sub>	9.000	6.0	75	33.67801785000	-117.90759925000

117 90019035000	0000000000000	-117.80323387000	-117.80367532000	-117.79596506000	-117.79588025000	-117.63863122000	-117.63806620000	-117.63724852000	-117.63437890000	-117.63329955000	-117.62773050000	-117.62832588000	-117.62850249000	-117.63823693000	-117.62809290000	-117.70172370000	-117.70212114000	-117.77782897000	-117.70457106000	-117.84363577000	-117.63612171000	-117.63546038000	-117.63577506000	-117.72647360000	-117.62861890000	-117.62860470000	-117.63153137000	-117.88269465000	-117.85940000000	-117.73194441000	-117.76103192000	-118.02858679000	-117.94219879000	-117.97062856000	-117.70169849000	-117.70488651000	-117.70184339000	-117.70281385000	-117.84764030000	-117.85274888000	-117.84450987000	-117.90781913000	-117.87122449000	-117.81329547000	-117.75140771000	117 75165804000
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cav ctac3	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego	San Diego	San Diego	Santa Ana	San Diego	Santa Ana	San Diego	San Diego	San Diego	Santa Ana	San Diego	San Diego	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego	opoid aco									
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0401040	Concrete	Concrete	Concrete	Concrete	Concrete	Comcrete	Comcrete	Concrete	Rip-Rap/Earth	Rip-Rap	Earth	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Earth	Earth	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	04040							
dvar	17 L	KECI	RECT	RECT BRDG	RCB	EL RCB	EL RCB	EL RCB	EL RCB	EL RCB	EL RCB	EL RCB	EL RCB	EL RCB	EL RCB	TRAP	TRAP	Natural	RECT	RECT	EL RCB	EL RCB	EL RCB	RECT	EL RCB	EL RCB		TRAP	TRAP	RCB	2-RCB	RCB	TRAP	RCB	RECI	RCB	RECT	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	0
EL MACDENA IBYANE CHANNEL						PRIMA DESHECHA CANADA CHANNEL	ALISO HILLS CHANNEL	ALISO HILLS CHANNEL	PETERS CANYON CHANNEL	NIGUEL STORM DRAIN	CARBON CANYON CHANNEL	PRIMA DESHECHA CANADA CHANNEL	PRIMA DESHECHA CANADA CHANNEL	PRIMA DESHECHA CANADA CHANNEL	BORREGO CANYON CHANNEL		PRIMA DESHECHA CANADA CHANNEL			-,		-		-			_	_	BORREGO CANYON CHANNEL		ARMSTRONG CHANNEL		Fairview Road Storm Drain	AIRPORT STORM CHANNEL	-	No Name										
100707001	18070204	180/0204	18070204	18070204	18070204	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070204	18070301	18070106	18070301	18070301	18070301	18070204	18070301	18070301	18070301	18070204	18070203	18070204	18070204	18070201	18070201	18070106	180/0204	18070204	18070204	18070204	18070204	18070204	18070204	18070203	18070204	18070203	18070301	.000
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toril otorio		Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Riprap Channel	Riprap Channel	Natural Watercourse	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Earth Channel	Earth Channel	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	All the second s
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201	2 2	2	F07	F13	F13	M01	105	105	F06	J03P01	E03	M01	M01	M01	F20	M01	M01	M01	F01	E08	F16	F25	C02	C04	A08	F20	F20	F20	F20	F08P07	F08S01	F08S01	F03P02	F01S01	E08P02	102P12	770701									

-117.87784897000	-117.87863849000	-117.87883156000	-118.07949348000	-118.08004491000	-118.08465877000	-118.08868377000	-117.90782921000	-117.64275011000	-118.01727640000	-118.01152362000	-118.01154724000	-117.80579664000	-117.80491225000	-117.80413301000	-117.80199466000	-117.80116358000	-117.80090227000	-117.81365572000	-117.79349163000	-117.72436705000	-117.80013365000	-117.83289118000	-117.81702594000	-117.79974130000	-117.79206324000	-118.00952570000	-117.78266230000	-118.01153072000	-118.00664203000	-118.01705725000	-118.02204722000	-118.02525392000	-118.02786447000	-118.03013807000	-118.05671982000	-118.04243296000	-118.05238077000	-118.05005991000	-118.04469018000	-118.08465338000	-118.08846872000	-118.08947913000	-118.09053400000	-118.09322179000	-118.09062540000	-117.95944099000
	33.86264019000	33.86442759000	33.78538835000	33.78504230000	33.78505708000	33.78506971000	33.68859004000	33.44249133000	33.86621600000	33.86706318000	33.86967478000	33.74598430000	33.74536599000	33.74483504000	33.74692381000	33.74293734000	33.74244890000	33.74674795000	33.76084609000	33.62123968000	33.73292727000	33.72720863000	33.71613947000	33.70392766000		33.87043754000	33.69202276000	33.86823345000	33.84658295000			33.84658023000	33.84643029000	33.84640991000	33.81651817000	33.82806134000	33.82317608000	33.82421406000	33.82803553000	33.77969371000	33.77804745000	33.77762359000	33.77719178000	33.77507069000	33.78536238000	
158	457	92	62	94	83	63	251	462	59	91	57	287	414	197	264	339	103	333	161	212	131	70	75	107	1213	866	130	80	103	1815	1216	732	885	496	1001	641	1976	159	730	128	120	246	95	153	464	09
10.0	10.0	8.5	4.0	2.0	5.0	5.0	10.0	8.0	7.0	0.9	5.5	3.0	3.0	3.0	2.0	7.0	4.2	4.5	7.0	7.0	8.5	8.9	5.0	9.0	9.0	5.5	9.0	5.5	3.0	0.9	0.9	0.9	0.9	8.0	0.9	7.0	8.3	7.0	7.0	2.0	2.0	8.0	8.0	7.0	0.9	5.0
30.000	30.000	20.000	3.500	3.500	3.500	3.500	10.000	7.000	14.000	10.000	11.000	5.000	7.000	8.000	10.000	000.9	7.000	4.000	000.9	12.000	8.500	7.000	8.000	9.000	13.500	9.500	000.9	11.000	9.500	9.000	12.000	10.000	12.000	12.000	000.9	7.000	10.500	10.500	7.000	4.200	4.700	8.000	10.000	10.000	000.9	000.9
N <sub>o</sub>	No	N <sub>o</sub>	No	No	No	No	N <sub>o</sub>	No	No	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	No	8 0
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana
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Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
RCB	3-RCB	2-RCB	RCB	RCB	RCB	RCB	RCB	RCB	2-RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCT	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCP	RCB	RCR	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB
PLACENTIA STORM CHANNEL	PLACENTIA STORM CHANNEL	PLACENTIA STORM CHANNEL	KEMPTON STORM CHANNEL	KEMPTON STORM CHANNEL	KEMPTON STORM CHANNEL	KEMPTON STORM CHANNEL	GISLER STORM CHANNEL	Cascaita Canada Storm Channel	BUENA PARK STORM CHANNEL	<b>BUENA PARK STORM CHANNEL</b>	BUENA PARK STORM CHANNEL	Tustin Heights Storm Drain	Tustin Heights Storm Drain	Tustin Heights Storm Drain	LA COLINA-RED HILL CHANNEL	LA COLINA-RED HILL CHANNEL	LA COLINA-RED HILL CHANNEL	East Tustin Storm Drain	Arroyo Storm Drain	Veeh Storm Channel	Ranchwood Storm Drain	No Name	Venta Channel	COMO STORM CHANNEL	COMO STORM CHANNEL	<b>BUENA PARK STORM CHANNEL</b>	COMO STORM CHANNEL	BUENA PARK STORM CHANNEL	La Palma Storm Drain	Cypress Retarding Basin	CYPRESS STORM CHANNEL	CYPRESS STORM CHANNEL	CYPRESS STORM CHANNEL	CYPRESS STORM CHANNEL	MONTECITO STORM CHANNEL	KEMPTON STORM CHANNEL	HOUSTON STORM CHANNEL									
18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070203	18070301	18070106	18070106	18070106	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070106	18070204	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106
В	<b>B</b>	В	C	O	S	C	Q	Σ	⋖	۷	⋖	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ட	ட	ш	ш	⋖	ш	⋖	В	В	В	В	В	В	В	В	В	В	В	ပ	S	၁	U	O	U	⋖
Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit
B01S03	B01S03	B01S03	C01S01	C01S01	C01S01	C01S01	D03S03	M01S01	A03S01	A03S01	A03S01	F07P04	F07P04	F07P04	F07S01	F07S01	F07S01	F07P01	F13P01	F23S02	F07P08	F10P02	F10S01	F06S03	F06S03	A03S01	F06S03	A03S01	B02P04	B02P04	B02P04	B02P04	B02P04	B02P04	B01B05	B01S01	B01S01	B01S01	B01S01	C01S03	C01S03	C01S03	C01S03	C01S03	C01S01	A03S02
2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824

-117.96794989000	-117.97623772000	-117.87926626000	-117.87970267000	-117.87980907000	-117.87967906000	-117.87947788000	-117.87635445000	-117.87411952000	-117.87572458000	-117.87545725000	-117.87557968000	-117.87557263000	-117.87557231000	-117.88923311000	-117.84872717000	-117.84901791000	-117.84419036000	-117.84225425000	-117.83593253000	-117.83282479000	-117.83197235000	-117.85850625000	-117.85358905000	-117.83582685000	-117.94607662000	-117.93933334000	-117.96028956000	-117.67563404000	-117.91975873000	-117.92035810000	-117.92098465000	-117.87967181000	-117.87455188000	-117.87438248000	-117.90572823000	-117.90127999000	-117.65931629000	-117.68173526000	-117.67932230000	-117.67675897000	-118.05427467000	-118.04711215000	-118.04587268000	-117.90348523000	-117.81943684000	-117.82139928000
33.85502132000	33.85832633000	33.86609370000	33.86749122000	33.87057997000	33.87396247000	33.87809257000	33.88928373000	33.88934866000	33.83347193000	33.84671184000	33.84517486000	33.84396862000	33.84360063000	33.82684569000	33.86869729000	33.81892097000	33.81906039000	33.81907095000	33.82109444000	33.82111467000	33.82112021000	33.81202264000	33.81233645000	33.81242328000	33.83755606000	33.83388732000	33.82893055000	33.66260328000	33.72422357000	33.72027786000	33.71879569000	33.87418409000	33.88932016000	33.88933153000	33.92729772000	33.92674872000	33.45086888000	33.46739435000	33.46906170000	33.46826718000	33.81832354000	33.83906371000	33.83827360000	33.84728656000	33.84784803000	33.85131271000
122	144	94	98	995	110	144	1038	114	390	299	823	55	213	939	476	157	115	1061	120	86	129	569	501	91	3270	1619	089	1184	2232	746	409	51	22	46	1140	1680	28	1808	98	583	87	147	152	1980	218	96
5.0	2.0	8.5	8.5	8.5	8.0	8.0	8.0	6.5	10.5	10.0	10.0	10.0	10.0	6.7	5.9	0.9	0.9	7.0	4.5	3.5	5.0	8.5	7.0	5.5	4.5	4.0	7.0	11.5	0.9	5.5	4.5	8.0	8.0	8.0	8.0	8.0	2.2	11.5	12.0	8.0	7.5	7.0	7.0	7.5	0.9	0.9
9:000	000.9	20.000	18.000	15.000	13.500	13.000	10.000	10.000	12.000	11.000	11.000	11.000	11.000	000.9	12.000	10.000	9.000	8.000	8.000	10.000	5.000	12.000	12.000	7.000	9.000	8.000	10.500	10.500	9.000	000.9	000'9	13.500	10.000	10.000	9.000	10.000	8.000	11.000	7.500	8.000	10.500	9.500	8.500	11.500	10.000	10.000
N N	No	No	No	N <sub>o</sub>	No	No	No	No	No	8 N	N <sub>o</sub>	No	8 N	N <sub>o</sub>	No	Yes	Yes	Yes	No	No	N <sub>o</sub>	N <sub>o</sub>	No	No	N <sub>o</sub>	No	No	No	No	No	No	8	No	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	No	No	No
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego	San Diego	San Diego	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana
N N	No	No	No	No	No	No	No	No	No	8	8	8 8	8	No	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	8	N <sub>o</sub>	No	No	No	Yes	Yes	Yes	Yes	No	No	8	No	No	No
Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
RCB	RCB	2-RCB	2-RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	JEL RCB	JEL RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB										
HOUSTON STORM CHANNEL	HOUSTON STORM CHANNEL	PLACENTIA STORM CHANNEL	PLACENTIA STORM CHANNEL	PLACENTIA STORM CHANNEL	PLACENTIA STORM CHANNEL	PLACENTIA STORM CHANNEL	PLACENTIA STORM CHANNEL	PLACENTIA STORM CHANNEL	Chantilly Storm Channel	State College Storm Drain	No Name	BUCKEYE STORM CHANNEL	BUCKEYE STORM CHANNEL	BUCKEYE STORM CHANNEL	BUCKEYE STORM CHANNEL	BUCKEYE STORM CHANNEL	BUCKEYE STORM CHANNEL	MARLBORO STORM CHANNEL	MARLBORO STORM CHANNEL	MARLBORO STORM CHANNEL	West Anaheim Storm Drain	West Anaheim Storm Drain	Broadway Storm Drain	Los Alisos Channel	No Name	No Name	No Name	PLACENTIA STORM CHANNEL	PLACENTIA STORM CHANNEL	PLACENTIA STORM CHANNEL	MEMORY GARDENS STORM CHANNEL	MEMORY GARDENS STORM CHANNEL	Estrella Storm Channel	Capistrano Beach Storm Channel	Capistrano Beach Storm Channel	Capistrano Beach Storm Channel	CYPRESS STORM CHANNEL	DAIRYLAND STORM CHANNEL	DAIRYLAND STORM CHANNEL	Raymond-La Palma Storm Drain	Deerfield Storm Channel	Deerfield Storm Channel				
18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070201	18070201	18070201	18070201	18070201	18070201	18070106	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070106	18070106	18070106	18070204	18070203	18070203	18070203	18070106	18070106	18070106	18070106	18070106	18070301	18070301	18070301	18070301	18070106	18070106	18070106	18070106	18070106	18070106
۷	A	В	В	A	В	В	В	В	Е	Ш	В	В	ш	S	Е	Е	Е	Е	Е	Е	Е	Ш	Е	Е	В	В	В	ч	Е	Е	Е	В	В	В	٧	A	Σ		_	_	В	В	В	В	Е	В
duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit	duit
Underground Conduit	Underground Conduit	Underground Conduit	<b>Underground Conduit</b>	Underground Conduit	<b>Underground Conduit</b>	<b>Underground Conduit</b>	Underground Conduit	Underground Conduit	Underground Conduit	<b>Underground Conduit</b>	Underground Conduit	<b>Underground Conduit</b>	Underground Conduit	Underground Conduit	<b>Underground Conduit</b>	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	<b>Underground Conduit</b>	Underground Conduit	Underground Conduit	Underground Conduit	<b>Underground Conduit</b>	<b>Underground Conduit</b>	Underground Conduit	<b>Underground Conduit</b>	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit									
A03S02	A03S02	B01S03	B01503	B01S03	B01503	B01503	B01503	B01503	E01502	E01S02	E01S02	E01S02	E01502	E12P01	E03S01	E07S03	E07S03	E07S03	E07S03	E07S03	E07S03	E07S01	E07S01	E07S01	B01P01	B01P01	B01P08	F19S02	E01P02	E01P02	E01P02	B01S03	B01503	B01503	A04S01	A04S01	M00501	L01S02	L01S02	L01S02	B01S01	B02S02	B02S02	B01P17	E01S04	E01S04
2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	3866	2867	5869	2870	2871	2872	2873

-117.79241317000	-117.77913642000	-117.77918936000	-117.77730583000	-117.81345522000	-117.81348093000	-117.81134571000	-117.81344593000	-117.81342672000	-117.81340949000	-117.81336040000	-117.83369584000	-117.80138726000	-117.80051171000	-117.79764481000	-117.79481599000	-117.78810243000	-117.92856375000	-117.92026767000	-117.67213778000	-118.03386687000	-117.67701139000	-118.03092304000	-118.01594655000	-118.01486314000	-118.01111801000	-118.01120942000	-117.98088976000	-117.98087570000	-117.98079731000	-117.98076826000	-117.98083601000	-117.98074745000	-118.08891089000	-118.08532232000	-118.08292711000	-118.07851803000	-118.07751839000	-118.02822634000	-118.01517822000	-117.97566598000	-117.96745300000	-117.89942901000	-117.89926295000	-117.89752241000	-118.07976257000	-118.02842323000
33.85978675000	33.85460666000	33.85133827000 -	33.84464194000	33.81904396000	33.81990802000	33.82109364000	33.81713276000 -	33.81604125000 -	33.81481267000 -	33.81086506000	33.78087421000 -	33.80654043000	33.80681930000	33.80883866000	33.80981379000	33.81430809000	33.76605248000 -	33.75623383000	33.48586118000	33.75939084000	33.48311843000 -	33.76550121000 -	33.76269124000	33.76269896000	33.76272741000	33.76800486000	33.74428283000 -	33.74369427000 -	33.73751690000	33.73455155000 -	33.73344525000 -	33.73305793000	33.76173210000 -	33.76381407000	33.76519916000	33.76776267000	33.76838128000 -	33.80666441000	33.80645163000 -	33.79510101000	33.79012319000	33.79762833000	33.79435732000 -	33.78890433000	33.77486304000	33.79940944000
129	754	81	159	524	106	1932	460	335	559	2314	577	166	9/	101	86	1854	185	128	147	101	156	09	100	26	112	82	235	193	139	107	62	69	131	115	153	132	169	282	2706	270	147	924	1193	41	125	139
9.5	8.0	6.0	8.0	4.0	2.0	4.0	4.0	4.0	0.9	6.5	3.0	8.0	4.2	9.0	9.0	9.0	7.5	4.5	5.0	4.5	7.0	4.0	3.0	3.0	3.0	4.0	5.0	5.0	7.0	7.0	3.5	7.0	7.0	7.0	6.5	6.5	4.0	7.0	7.0	7.0	7.0	0.9	0.9	2.5	5.0	7.5
20.000	14.000	14.000	20.000	7.000	3.000	7.000	7.000	8.000	8.000	7.500	4.800	10.000	14.000	7.000	7.000	24.000	12.000	11.000	10.000	9.000	8.000	000.9	7.000	000.9	000.9	7.000	4.000	10.000	14.000	14.000	5.800	14.000	10.000	12.000	8.000	8.000	8.000	9.000	9.000	10.000	10.000	10.000	11.000	6.500	8.000	12.000
8	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	No
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego	Santa Ana	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana
N <sub>o</sub>	8 N	No	N <sub>o</sub>	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	No
Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
RCB	RCB	RCB	RCB-2	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	2-RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB
EAST RICHFIELD STORM CHANNEL	Walnut Canyon Storm Channel	Walnut Canyon Storm Channel	Walnut Canyon Storm Channel	Villa Park Storm Drain	Center Street Storm Drain	Villa Park Storm Drain	LA VETA STORM DRAIN	ALAMEDA STORM DRAIN	ALAMEDA STORM DRAIN	ALAMEDA STORM DRAIN	ALAMEDA STORM DRAIN	Handy Creek Channel	Newhope Storm Channel	WEST WASHINGTON STORM DRAIN	Alipaz Strom Channel	Milan Storm Channel	Del Obispo Storm Channel	Milan Storm Channel	HUMBOLDT STORM CHANNEL	HUMBOLDT STORM CHANNEL	HUMBOLDT STORM CHANNEL	BESTEL STORM CHANNEL	<b>NEWLAND STREET STORM CHANNEL</b>	Worthy Storm Drain	<b>NEWLAND STREET STORM CHANNEL</b>	FEDERAL STORM CHANNEL	Jonathan Storm Channel	Jonathan Storm Channel	Shannon Storm Channel	Shannon Storm Channel	Spinnaker Storm Drain	Spinnaker Storm Drain	Holiday Storm Drain	BIXBY STORM CHANNEL	STANTON STORM CHANNEL											
18070106	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070201	18070201	18070301	18070201	18070301	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070106	18070106	18070106	18070106	18070106	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070106	18070201
ш	ш	ш	ш	В	В	Ш	Ш	ш	ш	ш	ш	ш	ш	ш	ш	Ш	O	C	_	U	_	C	U	U	U	O	S	S	O	O	C	C	C	C	C	C	C	O	U	U	U	U	U	O	O	O
Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit
E01S01	E01S09	E01S09	E01S09	E08P02	E08P03	E08P02	E08P02	E08P02	E08P02	E08P02	E08P01	E08S02	E08S02	E08S02	E08S02	E08S06	C05S10	C05P23	L01S06	C03S01	L01S01	C03S01	C03S02	C03S02	C03S02	C03S03	C05S01	C05S01	C05S01	C05S01	C05P24	C05S01	C01S06	C01S06	C01S06	C01S06	C01S06	C02S03	C02S03	C03S05	C03S05	C05P21	C05P21	C05P22	C01S04	C02S01
2875	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2901	2905	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924

-118.01111506000	-117.99927344000	-117.99308976000	-117.98794176000	-117.98446024000	-118.03425173000	-118.08184928000	-118.07787692000	-118.07326670000	-118.08612223000	-118.08261413000	-118.07346129000	-118.07179386000	-118.06709591000	-118.06450727000	-118.06041059000	-118.05713565000	-117.95915248000	-117.87556989000	-117.78752632000	-117.98214005000	-117.95686682000	-117.99055000000	-117.65909969000	-117.89933050000	-117.99872570000	-117.87495666000	-117.90012440000	-117.80747876000	-118.01990344000	-117.75077598000	-117.80348267000	-117.80300823000	-117.80378708000	-117.80328190000	-117.88927810000	-117.88923379000	-117.81533299000	-117.94212287000	-117.77972185000	-117.84538590000	-117.75763638000	-117.75790928000	-117.82717943000	-117.95886359000	-117.98059242000	-117.98084045000
33.79930007000	33.80094559000	33.80062283000	33.80296053000	33.80885136000	33.79565954000	33.80292597000	33.80293551000	33.80292102000	33.79514984000	33.79427095000	33.79634594000	33.79615736000	33.79932410000	33.79932609000	33.79930063000	33.79928198000	33.85468573000	33.84310084000	33.81137031000	33.81028714000	33.83971917000	33.67208047000	33.45118152000	33.79618132000	33.78068733000	33.83832264000	33.79153139000	33.69971582000	33.86603968000	33.59124960000	33.75824780000	33.75633174000	33.75237246000	33.75426550000	33.81347742000	33.82196141000	33.71930204000	33.77108548000	33.85815033000	33.81239499000	33.87792877000	33.87516651000	33.73301135000	33.82895604000	33.73027365000	33.74106342000
138	74	139	141	1104	832	414	2000	801	72	75	95	211	82	100	119	66	117	151	359	1269	1581	1297	48	135	197	3422	1160	1693	120	441	543	968	843	621	3559	2616	120	573	82	130	1669	381	437	186	156	82
4.0	6.5	7.0	7.0	5.0	7.0	8.0	8.0	8.0	9.0	8.0	4.0	4.0	4.5	4.5	5.0	5.0	5.0	10.0	9.0	4.5	4.0	8.0	3.0	6.0	7.0	11.0	0.9	7.5	7.0	8.5	6.5	6.5	6.5	5.0	8.0	8.3	4.5	7.0	7.5	0.9	9.0	10.0	4.0	0.9	8.9	0.9
12.000	8.000	8.000	11.000	9.000	7.000	12.000	10.000	12.000	5.000	5.000	000.9	000.9	7.000	7.000	9.000	9.000	000.9	11.000	24.000	8.000	6.500	8.000	5.000	10.000	7.000	12.000	12.000	12.000	12.000	8.500	6.500	7.000	7.000	8.000	8.000	006.9	8.000	8.000	10.000	8.000	8.000	8.000	7.000	10.000	14.000	14.000
No	No	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	8	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	No	No	N <sub>o</sub>	N <sub>O</sub>
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana				
8 8	No	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	8 N	No	No	Yes	No	8 N	No	No	No	No	No	No	No	No	Š	8	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	No	N <sub>o</sub>	N <sub>O</sub>
Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	2-RCB	RCB	RCB	RCR	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB
STANTON STORM CHANNEL	STANTON STORM CHANNEL	STANTON STORM CHANNEL	STANTON STORM CHANNEL	Dale-Cerritos Storm Drain	Orangewood Storm Drain	Katella Storm Channel	Katella Storm Channel	Katella Storm Channel	ROSSMOOR STORM CHANNEL		ROSSMOOR STORM CHANNEL	ROSSMOOR STORM CHANNEL	HOUSTON STORM CHANNEL	Chantilly Storm Channel	Handy Creek Channel	Dale-Cerritos Storm Drain	West Anaheim Storm Drain	Adams Storm Drain	Estrella Storm Channel	Spinnaker Storm Drain	ROSALIA STORM CHANNEL	Chantilly Storm Channel	Spinnaker Storm Drain	Valencia Storm Channel	<b>BUENA PARK STORM CHANNEL</b>	No Name	LA COLINA-RED HILL CHANNEL	State College Storm Drain	State College Storm Drain	Venta Channel	Taft Storm Drain	Walnut Canyon Storm Channel	MARLBORO STORM CHANNEL	BLUE MUD STORM CHANNEL	BLUE MUD STORM CHANNEL	No Name	Broadway Storm Drain	NEWLAND STREET STORM CHANNEL	NEWLAND STREET STORM CHANNEL							
18070201	18070201	18070201	18070201	18070201	18070201	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070201	18070203	18070201	18070106	18070201	18070301	18070201	18070201	18070201	18070201	18070204	18070106	18070301	18070204	18070204	18070204	18070204	18070201	18070201	18070204	18070201	18070203	18070203	18070203	18070203	18070204	18070106	18070201	18070201
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Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit				
C02S01	C02S01	C02S01	C02S01	C02P08	C02P01	C01S05	C01S05	C01S05	C01S02	C01S02	C01S02	C01S02	C01S02	C01S02	C01S02	C01S02	A03S02	E01S02	E08S06	C02P08	B01P01	D01P06	M00S01	C05P21	C03S04	E01S02	C05P21	F06S02	A03S01	102P12	F07S01	F07S01	F07S01	F07S01	E12P01	E12P01	F10S01	C04P12	E01S09	E07S01	E06S01	E06S01	F10P02	B01P08	C05S01	C05S01
2925	2926	2927	2928	2929	2930	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2946	2947	2948	2949	2950	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2962	5966	2967	2970	2971	2972	2973	2974	2975	2976	2977	2978

-117.91948714000	-117.96442587000	-117.93578077000	-117.84957883000	-117.87566266000	-117.87580998000	-117.87574377000	-117.87325197000	-117.80172731000	-117.95486800000	-117.91415643000	-117.92033167000	-117.92032199000	-117.87779156000	-117.77434132000	-117.80025084000	-117.82228241000	-117.68884190000	-117.91064157000	-117.91344695000	-117.80538833000	-117.82694882000	-117.81266188000	-117.81109805000	-117.81022728000	-117.80789345000	-117.79105958000	-117.79086432000	-117.79178482000	-117.78681989000	-117.78586210000	-117.80071137000	-117.82332422000	-117.81393355000	-117.81671935000	-117.63900469000	-118.00438953000	-118.00870723000	-118.01079887000	-117.87297004000	-117.92851277000	-117.85485705000	-117.86286091000	-117.78996739000	-117.78807328000	-117.78687521000	-117.76537519000
-117.91	-117.96	-117.93	-117.84	-117.87	-117.87	-117.87	-117.87.	-117.80	-117.95	-117.91	-117.92	-117.92	-117.87	-117.77.	-117.80	-117.82.	-117.68	-117.91	-117.91.	-117.80	-117.82	-117.81.	-117.81	-117.81	-117.80	-117.79	-117.79	-117.79	-117.78	-117.78	-117.80	-117.82	-117.81.	-117.81	-117.63	-118.00	-118.00	-118.01	-117.87.	-117.92	-117.85	-117.86	-117.78	-117.78	-117.78	-117.76
33.68939118000	33.82885650000	33.70453871000	33.67671237000	33.83277922000	33.82818439000	33.82137059000	33.81820768000	33.74331834000	33.93270569000	33.93910544000	33.68594077000	33.68528572000	33.59987284000	33.54070797000	33.73315167000	33.73821045000	33.52826768000	33.62146209000	33.62245031000	33.77144855000	33.77209167000	33.75344871000	33.75331308000	33.75324346000	33.74742712000	33.76388722000	33.76768054000	33.76673337000	33.76792080000	33.76888711000	33.77163347000	33.73896850000	33.72076210000	33.71786937000	33.63800036000	33.84660406000	33.84656355000	33.84654388000	33.88945434000	33.72444623000	33.89027819000	33.86650395000	33.86233752000	33.86261469000	33.86264932000	33.87127309000
1517	1833	982	1469	126	3242	1755	1526	102	714	496	99	411	418	278	47	87	126	1590	226	143	945	470	486	46	577	169	517	378	433	480	908	754	1243	1222	239	1265	1151	119	288	643	413	1602	152	375	353	88
5.0	7.0	10.0	10.0	9.5	10.5	9.5	9.5	5.5	4.0	4.5	2.4	5.0	4.5	5.0	8.5	5.5	2.8	4.3	3.5	4.3	4.0	3.8	3.0	2.8	3.5	4.0	2.5	3.0	2.0	2.0	3.3	5.0	7.0	7.3	4.0	0.9	7.0	8.9	9.5	5.5	4.5	5.0	0.9	4.5	4.8	6.5
8.000	11.500	12.000	10.000	12.000	12.000	12.000	12.000	14.000	4.000	4.500	8.000	5.000	4.500	5.000	8.500	5.500	2.750	4.250	3.500	4.250	4.000	3.750	3.000	2.750	3.500	4.000	2.500	3.000	2.000	2.000	3.250	5.000	7.000	7.250	4.000	000.9	7.000	6.750	9.500	5.500	4.500	8.000	000.9	4.500	4.750	6.500
9	8	No.	2 S	No	No	No	No	N <sub>o</sub>	No	No	N <sub>o</sub>	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	No	No	No	No	o N	No	9 8
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego	Santa Ana	Santa Ana	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana
S N	8	8	2 2	No	No	No	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	Yes	Yes	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	8	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	No	No	N <sub>o</sub>	8 N	No	No	No	No	No	8	8	N <sub>o</sub>	8 N	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	No	No
Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCB	RCP	RCP	RCP	RCP
Mesa Verde Storm Drain	Broadway Storm Drain	Southpark Storm Drain	No Name	Chantilly Storm Channel	Chantilly Storm Channel	Chantilly Storm Channel	Chantilly Storm Channel	LA COLINA-RED HILL CHANNEL	MONTE VISTA STORM DRAIN	Whittier Storm Drain	Mesa Verde Storm Drain	Mesa Verde Storm Drain	Bayside Storm Drain	Sleepy Hollow Storm Drain	Ranchwood Storm Drain	El Camino Real Storm Drain	Niguel Storm Drain	East Newport Heights Storm Drain	East Newport Heights Storm Drain	No Name	Yorba Street Storm Drain	Warren Avenue Storm Drain	Warren Avenue Storm Drain	Warren Avenue Storm Drain	Tustin Heights Storm Drain	No Name	No Name	No Name	Arroyo Storm Drain	Arroyo Storm Drain	No Name	El Camino Real Storm Drain	Venta Channel	Venta Channel	OSO DIVERSION STORM DRAIN	La Palma Storm Drain	La Palma Storm Drain	La Palma Storm Drain	No Name	Newhope Street Storm Drain	No Name	Kraemer Storm Drain	Esperanza Road Storm Drain	Esperanza Road Storm Drain	Esperanza Road Storm Drain	Yorba Park Storm Drain
18070203	18070106	18070203	18070204	18070201	18070201	18070201	18070201	18070204	18070106	18070106	18070203	18070203	18070204	18070301	18070204	18070204	18070301	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070301	18070106	18070106	18070106	18070106	18070201	18070106	18070106	18070106	18070106	18070106	18070203
٥	В	۵	, ц	В	ш	Е	Е	ш	4	4	Q	Q	G	_	ш	ш	_	g	9	ч	ч	ч	ч	ш	ш	ш	ш	ш	ш	L	ш	ч	ш	ш	_	В	В	В	В	C	Е	В	Е	ш	Е	Ш
Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit
D03P02	B01P08	E01P79	F08P07	E01S02	E01S02	E01S02	E01502	F07S01	A01P01	A01P20	D03P02	D03P02	G00P07	100P02	F07P08	F10P07	J03P01	G00P01	G00P01	F07P19	F12P04	F07S1P12	F07S1P12	F07S1P12	F07P04	F13P06	F13P06	F13P06	F13P01	F13P01	F07P19	F10P07	F10S01	F10S01	L03P18	B02P04	B02P04	B02P04	B01P23	C06P05	E03P01	B01P25	E01P14	E01P14	E01P14	E01P63
2979	2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	2990	2991	2992	2993	2994	2995	2996	2997	2998	2999	3000	3001	3002	3003	3004	3002	3006	3007	3008	3009	3010	3011	3012	3013	3014	3015	3016	3017	3018	3019	3020	3021	3023	3024	3025	3027

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	33.72032655000 -1	33.72210185000 -1	33.93908198000 -1	33.41047273000 -1	33.41103789000 -1	33.93106191000 -1	33.93282058000 -1	33.76908022000 -1	33.69174927000 -1	33.69280572000 -1	33.69353436000 -1	33.45149188000 -1	33.85886838000 -1	33.84652615000 -1	33.83169116000 -1	33.84752119000 -1	33.84727926000 -1	33.84727626000 -1		33.74840410000 -1	33.74725624000 -1	33.74658651000 -1	33.82065518000 -1	33.82422781000 -1	33.82359865000 -1	33.81792444000 -1	33.81357010000 -1	33.81333151000 -1	33.81405363000 -1	33.78783727000 -1		33.78864812000 -1	33.79050155000 -1	33.79878901000 -1	33.79879790000 -1	33.78101135000 -1	33.75623284000 -1	33.75623430000 -1	33.75623626000 -1	33.78105246000 -1	33.78210204000 -1	33.78310799000 -1	33.78378575000 -1	33.76829209000 -1	33.76804964000 -1	33.75192391000 -1
377	576	1063	217	223	337	485	634	1267	257	511	20	213	1180	882	703	1148	490	242	309	376	460	570	438	828	268	1406	619	11	79	129	336	855	1381	497	744	256	99/	41	029	406	444	342	239	231	106	187
8.5	5.5	5.5	2.0	5.5	5.0	5.8	3.3	4.0	5.0	4.0	3.5	4.5	4.5	7.3	3.0	4.8	8.5	7.0	3.3	3.3	3.3	3.3	2.5	2.0	2.0	5.0	5.5	4.5	3.5	0.9	4.5	4.0	3.8	2.0	2.0	0.9	8.0	7.5	7.5	5.5	5.8	0.9	0.9	3.8	2.5	3.5
8.500	5.500	5.500	5.000	5.500	5.000	5.750	3.250	4.000	5.000	4.000	3.500	4.500	4.500	7.250	3.000	4.750	8.500	7.000	3.250	3.250	3.250	3.250	2.500	2.000	2.000	5.000	5.500	4.500	3.500	000.9	4.500	4.000	3.750	5.000	2.000	9.000	8.000	7.500	7.500	5.500	5.750	000.9	000'9	3.750	2.500	3.500
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Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana
No.	8 8	No	%	Yes	Yes	N <sub>o</sub>	No	No	No	No	No	Yes	No	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	No	%	No	No	No	No	No	N <sub>o</sub>	No	No	No	8 N	No	N <sub>o</sub>	%	No	No	No	%	No	No	No	8 N	N <sub>o</sub>	N <sub>o</sub>	No
Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
RCP	£Ç	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP
BLUE MUD STORM CHANNEL	Newhope Street Storm Drain	Newhope Street Storm Drain	Whittier Storm Drain	Alessandro Storm Channel	Alessandro Storm Channel	MONTE VISTA STORM DRAIN	MONTE VISTA STORM DRAIN	Yorba Street Storm Drain	Times Storm Drain	Times Storm Drain	Times Storm Drain	Estrella Storm Channel	ORANGETHORPE STORM CHANNEL	La Palma Storm Drain	No Name	Raymond-La Palma Storm Drain	Raymond-La Palma Storm Drain	Raymond-La Palma Storm Drain	Purdy Storm Drain	Purdy Storm Drain	Purdy Storm Drain	Purdy Storm Drain	Center Street Storm Drain	Center Street Storm Drain	Mesa Drive Storm Drain	No Name	Wanda Storm Channel	Wanda Storm Channel	Wanda Storm Channel	El Modena Storm Drain	No Name	No Name	LA VETA STORM DRAIN	WEST WASHINGTON STORM DRAIN	WEST WASHINGTON STORM DRAIN	WEST WASHINGTON STORM DRAIN	Crawford Canyon Storm Drain	BESTEL STORM CHANNEL	BESTEL STORM CHANNEL	Newland Storm Drain						
18070203	180/0201	18070201	18070106	18070301	18070301	18070106	18070106	18070204	18070203	18070203	18070203	18070301	18070106	18070106	18070106	18070106	18070106	18070106	18070201	18070201	18070201	18070201	18070203	18070203	18070203	18070203	18070203		18070203		18070203	18070203	18070203	18070203	18070203	18070203	18070201	18070201	18070201	18070203	18070203	18070203	18070203	18070201	18070201	18070201
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Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit
E06S01	C06P05	C06P05	A01P20	M00508	M00S08	A01P01	A01P01	F12P04	D03P08	D03P08	D03P08	M00S01	A01P03	B02P04	B00P01	B01P17	B01P17	B01P17	C05P34	C05P34	C05P34	C05P34	E08P03	E08P03	E08P04	E08P47	E07S02	E07S02	E07S02	E08P06	E08P06	E08P06	E08P06	E08P07	E08P07	E08P01	C05P23	C05P23	C05P23	F07P14	F07P14	F07P14	F07P14	C03S03	C03S03	C05P27
3028	3029	3030	3031	3032	3033	3034	3035	3036	3037	3038	3039	3040	3041	3042	3043	3044	3045	3046	3047	3048	3049	3050	3051	3052	3053	3054	3055	3056	3057	3058	3059	3060	3061	3062	3063	3064	3065	3066	3067	3079	3080	3081	3082	3083	3084	3085

-117.98098466000	-117.98097459000	-117.98096845000	-117.98096001000	-117.98043119000	-117.98095474000	-117.98090062000	-117.98631242000	-117.98632178000	-117.98368549000	-117.98477165000	-117.98930891000	-117.98927168000	-117.98629353000	-117.98663842000	-117.98728415000	-117.98821942000	-117.98915099000	-117.98191540000	-117.98292211000	-117.98310357000	-118.09746340000	-118.09643637000	-118.09940985000	-118.09930716000	-117.98102839000	-118.02396895000	-117.81990452000	-117.81972867000	-117.89520964000	-117.89731404000	-117.89740229000	-117.89954662000	-117.89852966000	-117.89764239000	-117.89309314000	-117.89301037000	-117.89217260000	-117.89100942000	-118.01061640000	-117.98818050000	-117.98705920000	-118.01072305000	-117.98418578000	-117.98424054000	-117.98425620000	-117.98934551000
33.75105275000	33.74950402000	33.74841014000	33.74739406000	33.74657691000	33.74565106000	33.74468946000	33.74015239000	33.74117348000	33.74479602000	33.74478911000	33.74295907000	33.74005327000	33.73848280000	33.73749299000	33.73748879000	33.73752092000	33.73612798000		33.73383475000	33.73427250000	33.73745697000	33.73955718000	33.74467043000	33.74501157000	33.72695849000	33.81001195000	33.77030996000	33.77273677000	33.78892179000	33.78890707000	33.78890297000	33.78888944000	33.78889715000		33.78892494000	33.78892632000	33.78893052000	33.78893558000	33.80992727000	33.80264464000	33.80660233000	33.77325359000	33.79043470000	33.79382238000	33.79477496000	
447	089	116	624	325	645	61	618	125	330	330	108	2007	265	298	92	479	854	594	295	120	124	1693	500	99	381	218	64	239	1257	22	32	111	202	32	59	21	488	219	109	133	84	601	336	108	585	810
3.5	3.5	3.5	4.0	3.3	4.5	5.0	3.0	3.0	2.5	3.3	4.0	4.5	3.8	4.0	4.0	4.0	4.5	4.5	3.0	2.5	3.5	5.5	4.5	4.5	5.3	0.9	5.0	5.0	4.5	4.5	4.5	5.5	5.5	5.5	4.3	4.3	4.3	4.3	5.8	0.9	5.0	4.0	4.7	4.7	3.0	4.3
3.500	3.500	3.500	4.000	3.250	4.500	5.000	3.000	3.000	2.500	3.250	4.000	4.500	3.750	4.000	4.000	4.000	4.500	4.500	3.000	2.500	3.500	5.500	4.500	4.500	5.250	000.9	5.000	5.000	4.500	4.500	4.500	5.500	5.500	5.500	4.250	4.250	4.250	4.250	5.750	12.000	15.000	4.000	4.670	4.670	3.000	4.250
N <sub>o</sub>	N <sub>o</sub>	No	8 8	N <sub>o</sub>	No	No	No	No	N <sub>o</sub>	No	N <sub>o</sub>	No	No	No	No	No	N <sub>o</sub>	No	No	No	No	No	N <sub>o</sub>	No	N <sub>o</sub>	No	No	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	8	N <sub>o</sub>	No	8	No	No	No	No	No	No	No	No	8 8	8 N	No
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana							
No	8 N	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	No	No	N <sub>o</sub>	N <sub>o</sub>	No	No	N <sub>o</sub>	8	N <sub>o</sub>	8	8	N <sub>o</sub>	N <sub>o</sub>	Yes	Yes	Yes	Yes	No	N <sub>o</sub>	N <sub>o</sub>	8 N	N <sub>o</sub>	No	No	N <sub>o</sub>	No	No	N <sub>o</sub>	8	No	No	N <sub>o</sub>	No	No	N <sub>o</sub>	N <sub>o</sub>	8 N	No	8 N
Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete							
RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	2-RCP	3-RCP	RCP	RCP	RCP	RCP	RCP							
Newland Storm Drain	Newland Storm Drain	Newland Storm Drain	Newland Storm Drain	Purdy Storm Drain	Newland Storm Drain	Newland Storm Drain	Van Buren Storm Drain	Van Buren Storm Drain	Bolsa-Jefferson Storm Drain	Bolsa-Jefferson Storm Drain	Midway City Storm Drain	Midway City Storm Drain	Van Buren Storm Drain	Midway City Storm Drain	Worthy Storm Drain	Worthy Storm Drain	Worthy Storm Drain	Seal Beach Storm Drain	Seal Beach Storm Drain	Seal Beach Storm Drain	Seal Beach Storm Drain	EDINGER STORM CHANNEL	Cerritos Storm Drain	Prospect Storm Drain	Prospect Storm Drain	Holiday Storm Drain	Knott-Cerritos Storm Drain	STANTON STORM CHANNEL	STANTON STORM CHANNEL	No Name	Dale Street Storm Drain	Dale Street Storm Drain	Dale Street Storm Drain	CHAPMAN-BEACH STORM DRAIN												
18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070204	18070204	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201
S	J	J	S	C	C	C	C	C	S	C	S	S	S	C	C	S	C	C	C	C	S	C	C	S	S	C	ш	ш	C	C	C	C	C	C	C	C	U	J	U	C	၁	C	S	S	v	O
Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit							
C05P27	C05P27	C05P27	C05P27	C05P34	C05P27	C05P27	C05P07	C05P07	C05P32	C05P32	C05P06	C05P06	C05P07	C05P07	C05P07	C05P07	C05P06	C05P24	C05P24	C05P24	C00P02	C00P02	C00P02	C00P02	C05S05	C02P04	F12P11	F12P11	C05P22	C02P03	C02S01	C02S01	C03P01	C03P02	C03P02	C03P02	C03P04									
3086	3087	3088	3089	3090	3091	3092	3093	3094	3095	3096	3097	3098	3099	3100	3101	3104	3105	3106	3107	3108	3109	3110	3111	3112	3113	3114	3115	3116	3118	3119	3120	3121	3122	3123	3124	3125	3126	3127	3128	3129	3130	3131	3133	3134	3135	3137

-118.06317354000	-118.07785151000	-118.09109327000	-117.80928092000	-117.66155626000	-117.89979006000	-117.89955568000	-117.80886661000	-117.80590729000	-117.81354937000	-117.79621180000	-117.78886387000	-117.82207957000	-117.82228991000	-117.98419723000	-117.98420026000	-117.99252910000	-117.98422039000	-117.82199224000	-117.94212924000	-117.85632005000	-117.88921597000	-117.88919798000	-117.88920484000	-117.83179968000	-117.82442767000	-117.98720055000	-117.71335959000	-117.87885613000	-118.01463924000	-118.05006518000	-118.05006984000	-118.05009506000	-118.05015244000	-118.04764589000	-118.05426685000	-118.05512906000	-118.09418280000	-118.07836319000	-118.08134136000	-118.08287570000	-118.08387340000	-118.08779310000	-118.09011846000	-118.09163425000	-117.87809165000	-118.07948637000
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33.80698609000	33.79484237000	33.76010743000	33.82459893000	33.50504303000	33.78881281000	33.78962853000	33.82285736000	33.76462495000	33.82217916000	33.78429575000	33.76582277000	33.81333969000	33.81444952000	33.79114055000	33.79153006000	33.79019279000	33.79267577000	33.81369568000	33.76968496000	33.82951774000	33.83824822000	33.84159847000	33.84040534000	33.72841467000	33.73580871000	33.74477362000	33.52362911000	33.59993066000	33.86622706000	33.82446640000	33.82464380000	33.82560499000	33.82779141000	33.82787127000	33.81956717000	33.81832036000	33.77506679000	33.78240397000	33.78112083000	33.78045973000	33.78002983000	33.77833962000	33.77736188000	33.77594361000	33.86177165000	33.78722302000
110	42	242	167	792	29	559	198	905	671	176	929	103	252	178	107	151	726	185	446	1867	1125	423	445	1096	2198	1147	1598	258	1457	24	105	265	77	1092	845	432	432	1265	772	277	405	342	186	1070	275	127
4.0	8.0	8.0	5.0	2.0	1.8	1.8	8.0	5.8	2.5	0.9	3.5	4.5	3.5	3.5	3.5	4.0	3.5	4.5	7.0	2.5	6.3	3.5	4.8	7.0	5.5	4.0	8.0	5.0	10.0	8.3	8.3	8.3	8.0	8.0	8.5	7.5	10.0	3.5	4.0	4.6	4.8	4.2	10.0	10.0	10.0	3.1
4.000	4.500	12.000	2.000	2.000	3.000	3.000	8.000	5.750	2.500	000.9	3.500	4.500	3.500	3.500	3.500	4.000	3.500	4.500	8.000	2.500	6.250	3.500	4.750	7.000	5.500	4.000	8.000	2.000	10.000	10.500	10.500	10.500	10.500	9.000	10.500	10.500	8.000	3.000	3.000	3.000	3.000	3.000	8.000	8.000	31.500	3.000
No	No	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	8 N	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	No	N <sub>o</sub>	No	No	No	No	8 N	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	% 8	N <sub>o</sub>	No
Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana
<sup>o</sup> N	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	N <sub>o</sub>	No	re No	No	No	No	No	No	No	No	No	No
Concrete	Concrete	Concrete	Metal	Concrete	Metal	Metal	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Rip-Rap	Concrete	Earth/Concr	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Earth	Concrete	Concrete						
RCP	RCP	RCT	CMP	CP	CMA	CMA	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCB	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	TRAP	RCR	Ы	RCT	RCT	RCT	RCT	RCT	RCT	Е	RCR	RCT						
Bloomfield Storm Drain	ROSSMOOR STORM CHANNEL	FEDERAL STORM CHANNEL	Mesa Drive Storm Drain	Acjachema Storm Drain	Spinnaker Storm Drain	Spinnaker Storm Drain	Villa Park Storm Drain	Hewes Storm Drain	Center Street Storm Drain	Crawford Canyon Storm Drain	Arroyo Storm Drain	Wanda Storm Channel	Wanda Storm Channel	Dale Street Storm Drain	Dale Street Storm Drain	CHAPMAN-BEACH STORM DRAIN	Dale Street Storm Drain	Wanda Storm Channel	Taft Storm Drain	No Name	State College Storm Drain	State College Storm Drain	State College Storm Drain	No Name	No Name	Bolsa-Jefferson Storm Drain	Niguel Storm Drain	Bayside Storm Drain	BUENA PARK STORM CHANNEL	CYPRESS STORM CHANNEL	MONTECITO STORM CHANNEL		PLACENTIA STORM CHANNEL	KEMPTON STORM CHANNEL												
18070106	18070106	18070106	18070203	18070301	18070201	18070201	18070203	18070204	18070203	18070203	18070204	18070203	18070203	18070201	18070201	18070201	18070201	18070203	18070201	18070203	18070106	18070106	18070106	18070204	18070204	18070201	18070301	18070204	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106
O	C	O	ш	٦	S	U	ш	ш	ш	ட	ட	ш	ш	S	O	U	U	ш	O	ш	В	В	В	ш	ш	O	_	ŋ	Α	В	В	В	В	В	В	В	U	U	O	O	O	C	O	O	В	U
Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	<b>Underground Conduit</b>	Underground Conduit	<b>Underground Conduit</b>	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Riprap Channel	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Earth Channel	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Earth Channel	Concrete-Lined	Concrete-Lined
C01P02	C01S02	C01S06	E08P04	L05P01	C05P21	C05P21	E08P02	F07P06	E08P03	F07P14	F13P01	E07S02	E07S02	C03P02	C03P02	C03P04	C03P02	E07S02	C04P12	E10P01	E12P01	E12P01	E12P01	F10P02	F10P02	C05P32	J03P01	G00P07	A03S01	B01S01	C01S03	C01S03	B01S03	C01S01												
3138	3139	3140	3141	3142	3143	3144	3145	3146	3147	3148	3149	3150	3151	3153	3154	3155	3157	3158	3159	3160	3161	3162	3163	3164	3165	3166	3167	3168	3170	3171	3172	3173	3174	3175	3176	3177	3178	3179	3180	3181	3182	3183	3184	3185	3186	3187

-118.07957488000	-118.08093524000	-118.08314709000	-118.08668760000	-118.08934089000	-117.97700083000	-117.87994992000	-117.87972022000	-117.87982460000	-117.88001473000	-117.83175712000	-117.83486721000	-117.83349347000	-117.83242359000	-117.83636877000	-117.83995959000	-117.84594536000	-117.84709907000	-117.85470535000	-117.85595895000	-117.85749618000	-117.67672948000	-117.75696937000	-117.75703100000	-117.75693874000	-117.75685104000	-118.01168726000	-117.88003628000	-117.87931575000	-118.04823747000	-118.04648655000	-118.04350858000	-118.04082239000	-118.03960438000	-118.03848940000	-118.03760390000	-117.71097464000	-117.82021728000	-117.82182629000	-117.79239708000	-117.83221293000	-117.80235351000	-117.79833384000	-117.79623345000	-117.92886184000	-117.67216287000	-117.68083791000
33.78506153000	33.78504528000	33.78505230000	33.78506346000	33.78510259000	33.85845398000	33.86842040000	33.87286884000	33.88020579000	33.88265795000	33.82303544000	33.82110138000	33.82111033000	33.82111728000	33.81242216000	33.81244548000	33.81239066000	33.81238203000	33.81202546000	33.81202367000	33.81202305000	33.66108230000	33.88027699000	33.88072225000	33.88111625000	33.88143638000	33.86645003000	33.88451014000	33.88760021000	33.83975368000	33.83868012000	33.83679356000	33.83516989000	33.83444506000	33.83375870000	33.83321360000	33.52734674000	33.84903754000	33.85219394000	33.85870538000	33.78090486000	33.80607743000	33.80826955000	33.80935637000	33.76654784000	33.48651670000	33.48353416000
194	447	836	1150	339	329	209	989	1410	387	93	527	308	145	239	506	509	491	224	538	344	136	149	179	113	126	379	961	1370	701	324	1644	371	538	304	365	492	778	296	629	448	517	488	867	228	330	2022
3.5	3.5	3.5	3.6	4.2	6.0	8.5	9.0	8.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	9.0	9.0	9.0	9.0	5.8	8.0	8.0	7.0	7.0	7.0	8.0	7.0	7.0	8.0	8.0	5.0	0.9	11.0	8.0	0.0	4.5	4.5	7.5	0.0	0.0
3.500	3.500	4.000	4.000	4.500	5.000	15.000	13.500	12.000	11.000	12.000	5.000	5.000	10.000	14.000	14.000	16.500	16.500	12.000	12.000	12.000	25.000	8.000	10.500	12.000	15.000	000.9	11.000	11.000	9.500	8.500	7.000	000.9	7.500	000.9	000.9	10.000	4.000	4.000	20.000	4.000	13.000	13.000	13.000	12.000	20.000	4.000
8	9 N	No	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	No	N <sub>o</sub>	N <sub>o</sub>	%	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	No	N <sub>o</sub>	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	No	No	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	No	No	N <sub>o</sub>	8
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego	San Diego						
N <sub>o</sub>	8	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	No	N	No	No	No	No	No	No	No	No	No	No	No	8	No	No	No	No	No	No	8	8	8	No	No	N <sub>o</sub>
Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete						
RCT	RCT	RCT	RCT	RCT	RCT	RCR	RCR	RCR	RCR	RCR	RCT	RCT	RCR	RCR	RCR	RCR	RCR	RCB	RCR	RCR	RECT	RCR	RCR	RCR	RCR	RCT	RCR	RCB	RCT	RCT	RCR	RCT	RCR	RCR	RCR	RCR	RCB	RCT								
KEMPTON STORM CHANNEL	HOUSTON STORM CHANNEL	PLACENTIA STORM CHANNEL	PLACENTIA STORM CHANNEL	PLACENTIA STORM CHANNEL	PLACENTIA STORM CHANNEL	BUCKEYE STORM CHANNEL	BUCKEYE STORM CHANNEL	BUCKEYE STORM CHANNEL	BUCKEYE STORM CHANNEL	MARLBORO STORM CHANNEL	Los Alisos Channel	BLUE MUD STORM CHANNEL	BUENA PARK STORM CHANNEL	PLACENTIA STORM CHANNEL	PLACENTIA STORM CHANNEL	DAIRYLAND STORM CHANNEL	Niguel Storm Drain	Deerfield Storm Channel	Deerfield Storm Channel	EAST RICHFIELD STORM CHANNEL	LA VETA STORM DRAIN	ALAMEDA STORM DRAIN	ALAMEDA STORM DRAIN	ALAMEDA STORM DRAIN	Newhope Storm Channel	Alipaz Strom Channel	Del Obispo Storm Channel																			
18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070204	18070203	18070203	18070203	18070203	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070301	18070106	18070106	18070106	18070203	18070203	18070203	18070203	18070201	18070301	18070301
U	J	O	S	O	⋖	∢	⋖	В	В	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	щ	В	ш	ш	ш	⋖	В	В	В	В	В	В	В	В	В	_	ш	ш	ш	ш	В	ш	ш	U	_	_
Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined						
C01S01	C01S01	C01S01	C01S01	C01S01	A03S02	B01S03	B01S03	B01S03	B01S03	E07S03	E07S03	E07S03	E07S03	E07S01	F19S02	E06S01	E06S01	E06S01	E06S01	A03S01	B01S03	B01S03	B02S02	J03P01	E01S04	E01S04	E01S01	E08P01	E08S02	E08S02	E08S02	C05S10	L01S06	L01S01												
3188	3189	3190	3191	3192	3193	3194	3195	3196	3197	3198	3199	3200	3201	3202	3203	3204	3205	3206	3207	3208	3209	3210	3211	3212	3213	3214	3215	3216	3217	3218	3219	3220	3221	3222	3223	3227	3228	3229	3230	3231	3232	3233	3234	3235	3236	3237

117 67778975000	-118 03387325000	119 015 4038000	-118 01300310000	-118.01361417000	-118.00927633000	-117.98078245000	-118.09003866000	-118.08710408000	-118.07925381000	-117.97351024000	-117.97088235000	-117.96954950000	-117.96833765000	-118.08131114000	-118.07815129000	-118.07524111000	-118.07321577000	-118.02905860000	-118.02403887000	-118.02323765000	-118.02118946000	-118.01607177000	-118.01423803000	-118.01211858000	-118.00958678000	-118.00675871000	-118.00323784000	-118.00073005000	-117.99965599000	-117.99180916000	-117.99017337000	-117.98757033000	-117.98606804000	-118.08437005000	-118.08177864000	-118.07268706000	-118.06742900000	-118.06581365000	-118.06247501000	-118.05875643000	-118.08277150000	-118.01822801000	-118.00513415000	-118.05615215000	000000000000000000000000000000000000000
000000000000000000000000000000000000000	33 75776949000			33.76798903000	33.76800578000	33.73601234000	33.76103170000	33.76277694000	33.76733673000	33.79379026000	33.79219078000	33.79137784000	33.79064997000	33.77496188000	33.77547153000	33.77672670000	33.77759939000		33.79939797000	33.79939886000	33.79937845000	33.79934881000	33.79932540000	33.79932202000	33.79923915000	33.79925440000		33.80082964000	33.80103175000	33.80061401000	33.80062624000	33.80484273000	33.80742297000	33.79471107000		33.79634176000	33.79932699000	33.79932252000	33.79931205000	33.79928982000	33.80271842000	33.79935432000	33.79926507000	33.81831654000	000000000000000000000000000000000000000
151	1079	221	1033	1379	1093	926	723	1205	412	1355	622	394	513	820	961	1030	355	252	31	463	782	295	822	472	799	919	1116	202	170	641	352	1250	851	1039	455	378	117	694	1135	988	202	1018	89	189	
0	. r		, k	3.5	3.2	7.0	9.5	9.5	7.5	0.0	0.0	0.0	0.0	4.2	3.8	2.0	3.6	9.0	7.5	7.5	7.5	7.5	7.5	7.5	7.5	8.0	0.0	0.0	0.0	8.0	7.5	0.0	6.5	5.5	5.2	3.6	7.0	7.5	6.5	6.5	9.0	7.5	0.0	8.5	
000 8	6,000	2000	2 200	3.000	3.000	000'9	7.000	12.000	12.000	14.000	14.000	12.000	12.000	3.000	3.000	2.000	3.000	3.000	9.000	9.000	000.9	9.000	9.000	6.000	000.9	000'9	000.9	20.000	3.500	16.000	16.000	5.000	5.000	5.000	5.000	4.000	4.000	4.000	4.000	4.000	4.500	000.9	000'9	10.500	
2	2 2	2 2	2 2	2 S	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No	No	No	
Opoil aco	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	
Z	2 2	2 2	2 2	. S	No	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	No	No	N <sub>o</sub>	8 N	N <sub>o</sub>	No	N <sub>o</sub>	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	e No	No	N <sub>o</sub>	No	No	cı No	N <sub>o</sub>	No	No	No	No	No	N <sub>o</sub>							
Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Earth/Concre	Concrete	Concrete	Concrete	Concrete	RipRap/Conc	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	
Ę	RCR.		R T	RCT	RCT	RCT	RCT	RCT	RCT	RCR	RCR	RCR	RCR	RCT	RCT	RCT	RCT	RCT	RCT	RCT	RCT	RCT	RCT	RCT	RCT	RCT	RCT	RCR	RCT	RCR	RCR	Ы	RCT	RCT	RCT	RCT	TRAP	RCT	RCT	RCT	RCT	RCT	RCT	RCR	
Del Obison Storm Obsurel	Milan Storm Channel	HIMABOLDT STORM CHANNEL		BESTEL STORM CHANNEL	BESTEL STORM CHANNEL	NEWLAND STREET STORM CHANNEL	FEDERAL STORM CHANNEL	FEDERAL STORM CHANNEL	FEDERAL STORM CHANNEL	Shannon Storm Channel	Shannon Storm Channel	Shannon Storm Channel	Shannon Storm Channel	BIXBY STORM CHANNEL	BIXBY STORM CHANNEL	BIXBY STORM CHANNEL	BIXBY STORM CHANNEL	STANTON STORM CHANNEL	ROSSMOOR STORM CHANNEL	KATELLA STORM CHANNEL	STANTON STORM CHANNEL	STANTON STORM CHANNEL	CYPRESS STORM CHANNEL																						
19070201	18070201	19070701	18070201	18070201	18070201	18070201	18070106	18070106	18070106	18070201	18070201	18070201	18070201	18070106	18070106	18070106	18070106	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070201	18070201	18070106	
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Congreta Lines	Concrete-Lined		Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Earth Channel	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Riprap Channel	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	
101501	C03501	10000	C03502	C03803	C03S03	C05S01	C01S06	C01S06	C01S06	C03S05	C03S05	C03S05	C03S05	C01S04	C01S04	C01S04	C01S04	C02S01	C01S02	C01S05	C02S01	C02S01	B01S01																						
3228	3240	27.70	3244	3246	3247	3248	3250	3251	3252	3253	3254	3255	3256	3257	3258	3259	3260	3261	3262	3263	3264	3265	3266	3267	3268	3269	3270	3271	3272	3273	3274	3275	3276	3280	3281	3282	3283	3284	3285	3286	3288	3289	3290	3291	

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33.82784681000		33.77908417000	33.78891880000	33.78626095000	33.78504777000	33.81245611000	33.79941474000	33.74566384000	33.77385827000	33.74058815000	33.76448428000	33.73171375000	33.81885340000	33.82274174000	33.82184841000	33.81235812000	33.81241117000	33.81243816000	33.81904584000	33.69717948000	33.70509300000	33.70172720000	33.85056719000	33.87607859000	33.53729502000	33.53804416000	33.54131873000	33.54033855000	33.54513752000	33.54852173000	33.54706075000	33.54727413000	33.54802146000	33.54817558000	33.54827100000	33.55232953000	33.54888611000	33.55423017000	33.55754871000	33.56275646000	33.56356321000	33.56310711000	33.56436701000	33.56461257000	33.56488604000	
196	00 00	838	1238	573	31	698	1247	892	424	1647	751	606	791	121	529	1475	1142	339	1353	2113	1208	2397	472	1328	74	490	32	9/9	1310	170	100	200	70	40	30	130	110	571	73	110	200	100	100	160	95	91
8.0		4.5	2.7	3.5	3.5	0.0	7.5	0.0	7.0	0.0	9.5	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	12.0	12.0	0.0	0.0
9.000	10.300	3.000	3.000	3.000	4.000	14.000	000.9	4.000	12.000	15.000	12.000	9.000	10.000	12.000	10.500	16.500	14.000	14.000	9.000	000.9	8.000	8.000	4.000	13.000	34.000	34.000	34.000	34.000	34.000	28.000	34.000	30.000	30.000	28.000	28.000	20.000	20.000	900.99	50.000	48.000	70.000	54.000	70.000	70.000	70.000	60.000
8 8	2 :	S N	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	9 N	8 8	Yes	N <sub>o</sub>	No	No	No	No	Yes	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes														
Santa Ana	Salita Alia	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego														
8 S	€ :	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	No	No	e No	No	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	No	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	No	No	N <sub>o</sub>	8 N	N <sub>o</sub>	No	N <sub>o</sub>	r No	No	No	No	No	No	N <sub>o</sub>						
Concrete	כמוכובוב	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Earth/Concre	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Rip-Rap	Rip-Rap	Rip-Rap	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Copncrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Rip-Rap	Rip-Rap	Rip-Rap	Concrete/Ear	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete/Ear
RCR	וייין אַ	RCT	RCT	RCT	RCT	RCR	RCT	RCT	ET	RECT	RCT	RCT	RCR	RCR	RCR	RCR	RCR	RCR	RCR	TRAP	TRAP	TRAP	RCT	RCR	RECT	RECT	RECT-BRDG	RECT	RECT	RECT	RECT	RECT	RECT BRDG	RECT	RECT	TRAP	TRAP	TRAP	TRAP	RECT	RECT	RECT	RECT BRDG	RECT BRDG	RECT	TRAP
CYPRESS STORM CHANNEL	CIT INESS SI ONINI CI IMINEE	MONTECITO STORM CHANNEL	KEMPTON STORM CHANNEL	KEMPTON STORM CHANNEL	KEMPTON STORM CHANNEL	MARLBORO STORM CHANNEL	STANTON STORM CHANNEL	LA COLINA-RED HILL CHANNEL	FEDERAL STORM CHANNEL	LA COLINA-RED HILL CHANNEL	FEDERAL STORM CHANNEL	<b>NEWLAND STREET STORM CHANNEL</b>	BUCKEYE STORM CHANNEL	BUCKEYE STORM CHANNEL	<b>BUCKEYE STORM CHANNEL</b>	MARLBORO STORM CHANNEL	MARLBORO STORM CHANNEL	MARLBORO STORM CHANNEL	BUCKEYE STORM CHANNEL	COMO STORM CHANNEL	COMO STORM CHANNEL	COMO STORM CHANNEL	Deerfield Storm Channel	PLACENTIA STORM CHANNEL	OSO CREEK CHANNEL	OSO CREEK CHANNEL	OSO CREEK CHANNEL	OSO CREEK CHANNEL	OSO CREEK CHANNEL	OSO CREEK CHANNEL	OSO CREEK CHANNEL	OSO CREEK CHANNEL														
18070106	0010/001	18070106	18070106	18070106	18070106	18070203	18070201	18070204	18070106	18070204	18070106	18070201	18070203	18070203	18070203	18070203	18070203	18070203	18070203	18070204	18070204	18070204	18070106	18070106	18070301		18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301
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Concrete-Lined	כסווכובוב-דווובת	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Earth Channel	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Riprap Channel	Riprap Channel	Riprap Channel	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Riprap Channel	Riprap Channel	Riprap Channel	Concrete Sides, Soft Botto	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete Sides, Soft Botto L
B01S01	DOTTO	C01S03	C01S01	C01S01	C01S01	E07S01	C02S01	F07S01	C01S06	F07S01	C01S06	C05S01	E07503	E07S03	E07S03	E07S01	E07S01	E07S01	E07S03	F06S03	F06S03	F06S03	E01S04	B01S03	F03	F03	F03	F03	F03	103	F03	F03	103	F03	F03	F03	F03	F03	F03	F03	F03	F03	F03	F03	F03	F03
3294	2522	3296	3297	3298	3299	3300	3301	3302	3303	3304	3305	3306	3307	3308	3309	3310	3311	3312	3313	3314	3315	3316	3317	3318	3320	3321	3322	3323	3324	3325	3326	3327	3328	3329	3330	3331	3332	3333	3334	3335	3336	3337	3338	3339	3340	3341

117 66937754000	-117.66578916000	117 665000000	nnnnanec	-117.66726284000	-117.66484430000	-117.66510869000	-117.66462074000	-117.66468670000	-117.66288197000	-117.66425982000	-117.66473664000	-117.66398398000	-117.92412802000	-117.91516345000	-117.88043188000	-117.90563698000	-118.03903293000	-118.03482345000	-117.81449620000	-117.61098741000	-117.61131750000	-118.02010007000	-117.80235718000	-117.84796175000	-117.84317834000	-117.86587390000	-117.87032974000	-117.87176031000	-117.87461688000	-117.78640949000	-117.78411145000	-117.77969833000	-117.67992328000	-117.85154705000	-118.09182907000	-118.07905683000	-118.07593498000	-118.06763459000	-117.98080109000	-117.98082094000	-117.98085567000	-117.79240764000	-117.87871296000	-117.87903436000	-117.87949730000	-117.79972852000	-117.80083515000
117 66	-117 66	117.00	10./11-	-117.6	-117.6	-117.6	-117.6	-117.6	-117.6	-117.6	-117.66	-117.66	-117.92	-117.9	-117.8	-117.90	-118.0	-118.03	-117.8	-117.6	-117.6	-118.0	-117.80	-117.8	-117.8	-117.86	-117.8,	-117.8;	-117.8;	-117.78	-117.78	-117.7.	-117.6;	-117.85	-118.0	-118.0.	-118.0.	-118.0	-117.98	-117.98	-117.98	-117.75	-117.87	-117.8,	-117.8;	-117.75	-117.8(
22 57627538000	33.57027538000	33.57.512520000	33.30000042000	33.57865826000	33.58152870000	33.58093617000	33.58292528000	33.58305158000	33.58708415000	33.58428409000	33.58315424000	33.58581574000	33.92877344000	33.90825815000	33.91062220000	33.91746263000	33.86051933000	33.85870333000	33.67466449000	33.58678094000	33.57967515000	33.86544806000	33.74937571000	33.68958993000	33.69436297000	33.68596951000	33.68693529000	33.68896191000	33.68800467000	33.69461755000	33.69303140000	33.68996497000	33.46923015000	33.86840390000	33.78561240000	33.79342700000	33.79605915000	33.79602822000	33.73788685000	33.73956392000	33.74230441000	33.86116225000	33.86378457000	33.86526370000	33.86679576000	33.80740641000	33.80662958000
1001	700	27	110	115	611	160	44	26	900	852	25	280	896	575	125	20	961	1696	1330	342	1515	350	1554	2954	941	924	63	22	1352	795	1018	2214	300	1279	289	1267	1437	2401	130	1090	818	872	379	526	436	573	176
0	2.0	0. 0	0.0	0.5	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	10.0	10.0	12.0	0.0	5.5	10.0	10.0	10.0	11.0	0.0	0.0	0.0	8.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	4.2	2.0	2.0	7.0	0.9	0.9	0.9	9.0	10.0	8.5	8.5	4.5	0.9
15,000	1000	000.00	20.000	35.000	40.000	40.000	35.000	35.000	20.000	25.000	27.000	16.000	13.000	18.000	24.000	000.09	000.9	5.500	12.000	10.000	14.000	000.9	4.000	12.000	12.000	12.000	16.000	20.000	18.000	000.9	000.9	4.000	18.000	4.000	4.500	5.000	2.000	2.000	9.000	000.9	000.9	20.000	31.500	21.000	19.000	15.000	15.000
207	2 d 2 d 3 d	5 6	res	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	N <sub>o</sub>	N <sub>o</sub>	8	No	No	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	No	N <sub>o</sub>	No	No	No	No	No	N <sub>o</sub>	8 8	N <sub>o</sub>	N <sub>o</sub>	9 N	N <sub>o</sub>	N <sub>o</sub>	No	No	N <sub>o</sub>	No	N <sub>o</sub>	No	No	% 8	8	8
OpeiO acs	San Diego	San Diego	odii Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana
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Earth / Din Day No	Concrete	Earth (Concre	Editify Collicie NO	Rip-Rap	Rip-Rap	Earth	Concrete	Concrete	Rip-Rap	Earth	Rip-Rap/Earth	Rip-Rap	Concrete	Earth/Riprap	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Rip-Rap	Rip-Rap	Concrete	Concrete	Concrete	Concrete	Rip-Rap	Rip-Rap	Rip-Rap	Concrete	Earth	Concrete	Concrete	Concrete	Earth	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
TDAD	2-ACP	TDAD	IKAP	TRAP	TRAP	EI	RCT	RCT	TRAP	TRAP	TRAP	TRAP	RCB	TRAP	2-RCB	RECT BRDG	RECT	RCP	RCB	RCB-2	RCB	RCT	RCT	TRAP	TRAP	RCR	RCR	RCR	RECT	TRAP	TRAP	TRAP	RCR	13	RCT	RCT	RCT	П	RCT	RCT	RCT	RCR	RCR	RCR	RCR	RCR	RCR
OSO CBEEK CHANNEL	OSO CREEK CHANNEL	Oco Circein Circuitate	Oso Creek Criannel	OSO CREEK CHANNEL	COYOTE CREEK CHANNEL	BREA CANYON CHANNEL	LOFTUS DIVERSION CHANNEL	BREA CANYON CHANNEL	ORANGETHORPE STORM CHANNEL	ORANGETHORPE STORM CHANNEL	SAN JOAQUIN CHANNEL	CANADA CHIQUITA CHANNEL	CANADA CHIQUITA CHANNEL	BUENA PARK STORM CHANNEL	LA COLINA-RED HILL CHANNEL	ARMSTRONG CHANNEL	ARMSTRONG CHANNEL	AIRPORT STORM CHANNEL	AIRPORT STORM CHANNEL	AIRPORT STORM CHANNEL	AIRPORT STORM CHANNEL	COMO STORM CHANNEL	COMO STORM CHANNEL	COMO STORM CHANNEL	Capistrano Beach Storm Channel	No Name	KEMPTON STORM CHANNEL	ROSSMOOR STORM CHANNEL	ROSSMOOR STORM CHANNEL	ROSSMOOR STORM CHANNEL	<b>NEWLAND STREET STORM CHANNEL</b>	<b>NEWLAND STREET STORM CHANNEL</b>	<b>NEWLAND STREET STORM CHANNEL</b>	EAST RICHFIELD STORM CHANNEL	PLACENTIA STORM CHANNEL	PLACENTIA STORM CHANNEL	PLACENTIA STORM CHANNEL		ALAMEDA STORM DRAIN								
18070201	18070301	19070301	TOCOLOGI	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070106	18070106	18070106	18070106	18070106	18070106	18070204	18070301	18070301	18070106	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070301	18070106	18070106	18070106	18070106	18070106	18070201	18070201	18070201	18070106	18070106	18070106	18070106	18070203	18070203
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Earth Chappel	Underground Conduit	Farth Change	Earth Chainel	Riprap Channel	Riprap Channel	Earth Channel	Concrete-Lined	Concrete-Lined	Riprap Channel	Earth Channel	Riprap Channel	Riprap Channel	Underground Conduit	Earth Channel	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Riprap Channel	Riprap Channel	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Riprap Channel	Riprap Channel	Riprap Channel	Concrete-Lined	Earth Channel	Concrete-Lined	Concrete-Lined	Concrete-Lined	Earth Channel	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined
201	503	3 2	507	103	F03	103	F03	103	103	103	103	F03	A01	A04	A06	A04	A01P03	A01P03	F14	907	907	A03S01	F07S01	F08S01	F08S01	F01S01	F01S01	F01S01	F01S01	F06S03	F06S03	F06S03	L01S02	E03S01	C01S01	C01S02	C01S02	C01S02	C05S01	C05S01	C05S01	E01S01	B01S03	B01S03	B01S03	E08S02	E08S02
22.15	33.46	25.40	750	3348	3349	3320	3351	3352	3353	3354	3355	3356	3357	3358	3329	3360	3362	3363	3364	3365	3366	3374	3375	3376	3377	3378	3379	3380	3381	3383	3384	3385	3386	3387	3388	3390	3391	3392	3395	3396	3397	3398	3399	3400	3401	3404	3405

-118.02033878000	-117.97216673000	-118.00915313000	-117.96618058000	-118.08142074000	-118.07996354000	-118.07804103000	-118.07728661000	-118.07331229000	-117.70578106000	-117.70007001000	-117.69347984000	-117.69017871000	-117.68702551000	-117.68499827000	-117.68446606000	-117.71553810000	-117.71197658000	-117.80003729000	-117.79828733000	-117.82367427000	-117.82365040000	-117.81781073000	-117.80666158000	-117.82861229000	-117.83011340000	-117.82578910000	-117.82039567000	-117.81328062000	-117.81681681000	-117.64282880000	-117.63863303000	-117.84203644000	-117.90540778000	-117.88923148000	-117.99311872000	-117.91519365000	-117.91408017000	-117.91411150000	-118.03016152000	-118.02470699000	-117.95488267000	-117.95487180000	-117.75782275000	-117.75669003000	-117.85483889000	-117.85484955000
33.86431381000	33.85652610000	33.76273697000	33.78934505000	33.76608307000	33.76692784000	33.76805559000	33.77003964000	33.77371875000	33.51984514000	33.52460199000	33.52711007000	33.52790909000	33.52911954000	33.53132536000	33.53253959000	33.52076569000	33.52626578000	33.73356544000	33.73652185000	33.74503308000	33.74312323000	33.74579373000	33.74657815000	33.73158858000	33.73009836000	33.78786595000	33.78784465000	33.78781570000	33.78783286000	33.62938802000	33.63612235000	33.69550553000	33.62621394000	33.83241948000	33.78893496000	33.75623714000	33.75792700000	33.75965227000	33.85874755000	33.85881302000	33.93183709000	33.92919705000	33.88501659000	33.88200737000	33.88722091000	33.88901616000
516	2664	1082	811	996	112	228	1103	2675	264	3310	1418	756	1145	633	157	934	521	305	2578	533	857	2513	394	916	505	2068	1209	1441	708	4802	1316	142	930	3118	417	1533	553	703	1136	2177	83	873	1748	102	801	909
9.0	0.9	3.5	0.0	7.5	6.5	7.0	0.9	0.9	6.5	4.5	3.3	3.5	2.5	1.8	1.5	6.5	0.9	7.5	7.0	3.3	3.5	4.0	3.8	5.5	6.5	7.0	8.9	5.0	5.5	7.0	0.9	0.9	5.5	8.9	4.5	7.3	0.9	5.5	0.9	5.0	3.5	0.9	8.0	9.0	5.0	8.8
10.000	4.000	2.200	12.000	12.000	8.000	12.000	12.000	12.000	6.500	4.500	3.250	3.500	2.500	1.750	1.500	6.500	000.9	7.500	7.000	3.250	3.500	4.000	3.750	5.500	6.500	7.000	6.750	2.000	5.500	7.000	000.9	000.9	5.500	6.750	4.500	7.250	000.9	5.500	000.9	2.000	3.500	000.9	8.000	9.000	2.000	4.750
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Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana								
No.	9 8	N S	No	No	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	No									
Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Earth	Earth	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete									
RCR	RCT	RCT	RCR	RCT	RCB	RCT	Ы	Ы	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	CP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP									
BUENA PARK STORM CHANNEL		HUMBOLDT STORM CHANNEL	Shannon Storm Channel	FEDERAL STORM CHANNEL	Niguel Storm Drain	Ranchwood Storm Drain	Ranchwood Storm Drain	El Camino Real Storm Drain	El Camino Real Storm Drain	East Tustin Storm Drain	Tustin Heights Storm Drain	No Name	No Name	El Modena Storm Drain	OSO DIVERSION STORM DRAIN	OSO DIVERSION STORM DRAIN	ARMSTRONG CHANNEL	Westcliff Storm Drain	State College Storm Drain	CHAPMAN-BEACH STORM DRAIN	WEST WASHINGTON STORM DRAIN	WEST WASHINGTON STORM DRAIN	WEST WASHINGTON STORM DRAIN	ORANGETHORPE STORM CHANNEL	ORANGETHORPE STORM CHANNEL	MONTE VISTA STORM DRAIN	MONTE VISTA STORM DRAIN	BLUE MUD STORM CHANNEL	BLUE MUD STORM CHANNEL	No Name	No Name															
18070106	18070106	18070201	18070201	18070106	18070106	18070106	18070106	18070106	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070203	18070203	18070203	18070203	18070301	18070301	18070204	18070204	18070201	18070201	18070201	18070201	18070201	18070106	18070106	18070106	18070106	18070203	18070203	18070106	18070106
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Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Earth Channel	Earth Channel	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit									
A03S01	A03S02	C03S02	C03S05	C01S06	C01S06	C01S06	C01S06	C01S06	J03P01	F07P08	F07P08	F10P07	F10P07	F07P01	F07P04	F10P02	F10P02	E08P06	E08P06	E08P06	E08P06	L03P18	L03P18	F08S01	G02P02	E12P01	C03P04	C05P23	C05P23	C05P23	A01P03	A01P03	A01P01	A01P01	E06S01	E06S01	E03P01	E03P01								
		3409	3410	3411	3412	3413	3414	3415	3416	3417	3418	3419	3420	3421	3422	3424	3425	3428	3429	3430	3431	3432	3433	3434	3435	3436	3437	3438	3439	3440	3441	3442	3443	3444	3445	3446	3447	3448	3449	3450	3451	3452	3453	3454	3455	3456

-117.85099346000	-117.86794317000	-117.87086501000	-118.05576382000	-118.06317966000	-118.06316878000	-117.90775686000	-117.90779558000	-117.91985831000	-117.92033876000	-117.61722151000	-117.61889557000	-117.69949117000	-117.69716285000	-117.69942809000	-117.69635777000	-117.69593328000	-117.69444683000	-117.67475903000	-117.74375444000	-117.83695361000	-117.83757146000	-117.83999728000	-118.00795075000	-118.00308161000	-118.02650012000	-118.01092840000	-117.84444133000	-117.84454755000	-117.80574550000	-117.80549390000	-117.80480446000	-117.80615453000	-117.81912564000	-117.82022590000	-117.82037395000	-117.82234868000	-117.78930120000	-117.79346930000	-117.79213344000	-117.79160629000	-117.79196659000	-117.78774775000	-117.79225906000	-117.80922216000	-117.79691213000	-118.02369509000
33.88485568000	33.89040266000	33.88936014000	33.83162981000	33.80501366000	33.80669382000	33.67001072000	33.67396677000	33.68705722000	33.68643736000	33.42932112000	33.42691423000	33.47262197000	33.46914816000	33.46967887000	33.46858079000	33.46615657000	33.46429104000	33.46718852000	33.60204478000	33.82108777000	33.81986997000	33.81972268000	33.87111895000	33.77391649000	33.80999965000	33.80817471000	33.78814092000	33.78211697000	33.76656379000	33.76924357000	33.75929180000	33.76139446000	33.76680692000	33.76583263000	33.76377152000	33.75287187000	33.86258543000	33.78034992000	33.76563009000	33.76622523000	33.76457854000	33.76697759000	33.76239463000	33.75315445000	33.75374123000	33.80669283000
2506	1994	714	3706	1323	103	666	1881	402	536	132	1821	1764	488	417	376	1265	1300	881	446	200	861	712	84	2739	1320	1270	815	2853	209	1463	913	1451	999	1031	471	738	370	509	464	78	583	427	1238	269	873	2475
6.0	7.3	9.0	4.0	0.9	4.3	5.5	5.8	4.0	5.0	3.0	4.0	3.0	5.0	4.5	4.3	5.5	2.0	8.0	4.0	0.9	7.5	5.0	4.5	8.0	6.5	8.9	8.9	7.0	5.8	5.3	7.3	6.0	3.5	6.0	7.0	4.5	5.3	4.5	3.5	3.3	3.8	3.5	6.0	2.5	4.0	8.5
000.9	7.250	9.000	4.000	000.9	4.250	5.500	5.750	4.000	5.000	3.000	4.000	3.000	5.000	4.500	4.250	5.500	2.000	8.000	4.000	000.9	7.500	5.000	9.000	8.000	6.500	6.750	6.750	7.000	5.750	5.250	7.250	000.9	3.500	000.9	7.000	4.500	5.250	4.500	3.500	3.250	3.750	3.500	000.9	2.500	4.000	9.000
9 N	No	No	No	N <sub>o</sub>	No	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	8 8	No	No	N <sub>o</sub>	8	N <sub>o</sub>	No	N <sub>o</sub>	No	N <sub>o</sub>	No	N <sub>o</sub>	No	N <sub>o</sub>	No	N <sub>o</sub>	No	No	N <sub>o</sub>	No	No	N <sub>o</sub>	8 8	No	No	No	No	No	No	N <sub>o</sub>	No	No	No
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana				
N <sub>o</sub>	N	Š	No	N <sub>o</sub>	No	Š	No	N <sub>o</sub>	No	Yes	Yes	N <sub>o</sub>	No	No	Š	Yes	Yes	Yes	No	No	N <sub>o</sub>	No	No	No	8 N	No	No	No	N <sub>o</sub>	No	No	No	No	No	N <sub>o</sub>	No	No	N	Š	N <sub>o</sub>	8	8 N	8 N	No	N <sub>o</sub>	No
Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	2-RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCR
No Name	No Name	No Name	No Name	Bloomfield Storm Drain	Bloomfield Storm Drain	Fairview Road Storm Drain	Fairview Road Storm Drain	Mesa Verde Storm Drain	Mesa Verde Storm Drain	MARQUITA STORM CHANNEL	MARQUITA STORM CHANNEL	Golden Lantern Storm Drain	Capistrano Beach Storm Channel	No Name	<b>BUCKEYE STORM CHANNEL</b>	<b>BUCKEYE STORM CHANNEL</b>	<b>BUCKEYE STORM CHANNEL</b>	<b>BUENA PARK STORM CHANNEL</b>	Garden Grove Storm Drain	Cerritos Storm Drain	Knott-Cerritos Storm Drain	Chapman Grande Storm Drain	Chapman Grande Storm Drain	Hewes Storm Drain	Hewes Storm Drain	Hewes Storm Drain	Hewes Storm Drain	No Name	No Name	No Name	No Name	Esperanza Road Storm Drain	Crawford Canyon Storm Drain	No Name	No Name	No Name	Arroyo Storm Drain	Arroyo Storm Drain	Warren Avenue Storm Drain	No Name	Jonathan Storm Channel					
18070106	18070106	18070106	18070106	18070106	18070106	18070204	18070203	18070203	18070203	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070203	18070203	18070203	18070106	18070201	18070106	18070201	18070203	18070203	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070106	18070203	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070201
ш	В	В	В	C	O	ш	ш	٥	D	Σ	Σ	7	_	_	_	_	_	_	_	Е	Е	ш	4	S	S	C	ш	В	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	O
Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined				
E03P01	B01P23	B01P23	B00P01	C01P02	C01P02	F03P02	F03P02	D03P02	D03P02	M00507	M00507	L00P01	L00P01	L00P01	L00P01	L00P01	L00P01	L01S02	102P12	E07S03	E07S03	E07S03	A03S01	C03P17	C02P04	C02P03	E08P12	E08P12	F07P06	F07P06	F07P06	F07P06	F12P03	F12P03	F12P03	F12P02	E01P14	F07P14	F13P06	F13P06	F13P06	F13P01	F13P01	F07S1P12	F13P03	C02S03
3457	3458	3459	3460	3461	3462	3463	3464	3465	3466	3467	3468	3469	3470	3471	3472	3473	3474	3475	3476	3477	3478	3479	3480	3481	3484	3485	3486	3487	3488	3489	3490	3491	3492	3493	3494	3495	3496	3497	3498	3499	3500	3501	3502	3503	3504	3505

-117.75915753000	-117.75722987000	-117.74791932000	-117.75377050000	-117.94212239000	-117.82274561000	-117.82007933000	-117.81968966000	-117.81964237000	-117.81991820000	-117.81997930000	-117.81980560000	-117.81987685000	-117.81774406000	-117.81898574000	-117.81693042000	-117.79577645000	-117.79516496000	-117.79082318000	-117.79012645000	-117.79920780000	-117.79859486000	-117.79835846000	-117.82362626000	-117.82362643000	-118.07712394000	-117.82455653000	-117.82718211000	-117.83096913000	-117.98312129000	-117.98677062000	-117.98557043000	-117.98709855000	-117.98803227000	-117.84265646000	-117.84303914000	-117.84135920000	-117.83920494000	-117.83644829000	-117.83465267000	-117.98045045000	-117.58562712000	-117.79447879000	-117.79196904000	-117.78974789000	-117.78623298000	-117.78614716000
33.69871473000	33.70063720000 -1	33.70520548000 -:	33.70420415000 -1	33.76765182000 -:	33.76316883000	33.76787611000 -:	33.77309924000 -:	33.77318493000 -:	33.77013271000 -1	33.76927402000 -1	33.77169558000	33.77068983000	33.77342588000 -1	33.77339450000	33.77343118000 -1	33.74350293000 -1	33.74308191000 -1	33.76382192000 -1		33.75536817000 -1	33.75490439000 -1	33.75629303000	33.74004936000 -1	33.74106306000 -1	33.78981818000	33.66819307000		33.67176442000 -:	33.67828761000 -:		33.67387317000 -1	33.67210870000 -1		33.70646220000 -1	33.70575805000 -1	33.70771830000	33.70988882000	33.71263219000 -1	33.71432920000 -1	33.72871341000 -1	33.46207718000 -:	33.81029494000 -1	33.81127082000 -1	33.81189588000 -1	33.86515234000 -:	
141	1689	3022	1664	1033	1422	458	27	43	92	561	520	213	367	389	128	127	326	119	553	22	455	798	95	642	81	233	2183	306	2331	161	1322	333	236	526	139	682	1371	1237	430	966	3932	322	1383	80	848	464
10.0	9.0	9.0	11.0	7.0	7.0	0.9	5.0	3.0	0.9	0.9	5.0	5.0	5.0	5.0	5.0	4.5	4.5	4.0	3.5	3.8	3.8	3.5	4.3	4.0	10.0	0.9	8.0	9.0	9.0	9.0	10.0	0.9	5.0	0.9	5.0	0.9	7.0	5.8	5.5	8.5	5.5	4.5	4.5	0.9	3.0	4.5
12.000	14.000	14.000	16.000	8.000	7.500	000.9	5.000	7.500	000.9	000.9	5.000	5.000	5.000	5.000	5.000	4.500	4.500	4.000	3.500	3.750	3.750	3.500	4.250	4.000	10.000	4.000	4.000	4.000	9.000	10.000	9.000	10.000	10.000	10.000	10.000	10.000	7.000	5.750	5.500	000.9	5.500	13.000	11.500	11.000	3.000	4.500
N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	N <sub>o</sub>	No	No	N <sub>o</sub>	No	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	8
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana						
N <sub>o</sub>	oN di	No	No	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	No	N <sub>o</sub>	No	No	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	No	No	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>
Concrete	Concrete/Rip	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Rip-Rap	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
RCB	RCB	RCB	RCB	RCB	RCB	RCP	RCP	RCB	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCT	RCT	RCT	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCP	RCP	RCP	NEL TRAP	RCP	RCR	RCR	RCB	RCP	RCP						
No Name	No Name	No Name	No Name	Taft Storm Drain	No Name	Prospect Storm Drain	Rainbow Storm Drain	Rainbow Storm Drain	Arroyo Storm Drain	Arroyo Storm Drain	No Name	No Name	No Name	El Camino Real Storm Drain	El Camino Real Storm Drain	KEMPTON STORM CHANNEL	No Name	No Name	No Name	No Name	No Name	No Name	Adams Storm Drain	Adams Storm Drain	Barranca Storm Drain	Barranca Storm Drain	Barranca Storm Drain	Barranca Storm Drain	Barranca Storm Drain	Barranca Storm Drain	<b>NEWLAND STREET STORM CHANNEL</b>	No Name	ALAMEDA STORM DRAIN	ALAMEDA STORM DRAIN	ALAMEDA STORM DRAIN	Esperanza Road Storm Drain	Esperanza Road Storm Drain									
18070204	18070204	18070204	18070204	18070201	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070106	18070204	18070204	18070204	18070201	18070203	18070203	18070203	18070203	18070204	18070204	18070204	18070204	18070204	18070204	18070201	18070301	18070203	18070203	18070203	18070106	18070106
ш	ш	ш	ш	C	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш.	ш	ш	ш	ш	ш	ш	C	ш	ш	ш	O	٥	٥	Q	Q	ш	ш	ш	ш	ш	ш	C	Σ	ш	ш	ш	ш	ш
Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Riprap Channel	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit											
F25S05	F25S05	F25505	F25505	C04P12	F12P03	F12P11	F13P05	F13P05	F13P01	F13P01	F13P03	F13P03	F13P03	F10P07	F10P07	C01S01	F14P11	F14P11	F14P11	D01P05	D01P05	D01P05	D01P06	D01P06	F09P15	F09P15	F09P15	F09P15	F09P15	F09P15	C05S01	M02P08	E08S02	E08S02	E08S02	E01P14	E01P14									
3506	3507	3508	3209	3510	3511	3512	3513	3514	3515	3516	3517	3518	3519	3520	3521	3522	3523	3524	3525	3526	3527	3528	3529	3530	3531	3532	3533	3534	3535	3536	3537	3538	3539	3540	3541	3542	3543	3544	3545	3547	3548	3549	3550	3551	3552	3553

33 86527756000 -117 78611083000						33.70051208000 -117.80955400000	33.79211729000 -117.99893002000	33.79231272000 -117.99875281000	33.92873316000 -117.94605006000	33.86677656000 -117.85369026000	33.86838580000 -117.85364155000	33.80362181000 -117.81325380000	33.63400011000 -117.90317622000	33.57155358000 -117.70222334000	33.70293429000 -117.80670745000	33.70620703000 -117.80287716000	33.81808177000 -117.81346510000	33.82285736000 -117.80886661000	33.53045207000 -117.68500510000	33.76656379000 -117.80574550000	33.46914703000 -117.69857864000	33.46916516000 -117.69926264000	33.57203421000 -117.70083675000	33.57196660000 -117.70125191000	33.57198877000 -117.70102293000	33.65074718000 -117.95123575000	33.73890561000 -117.80407514000	33.74652477000 -117.81322373000	33.75088455000 -117.81342158000	33.74407746000 -117.80285223000	33.73830191000 -117.76801188000	33.70808325000 -117.80128683000	33.73606827000 -117.76991994000	33.75330091000 -117.81332474000	33.73956875000 -117.76570126000	33.86621643000 -118.01710850000	33.86619857000 -118.01920937000	33.86621047000 -118.01792451000	33.86765585000 -118.01152305000	33.86932790000 -118.01154726000	33.92727504000 -117.93579587000	33.92649334000 -117.93605794000		33.80196683000 -117.98849361000	33.80061045000 -117.99399754000	
33.86				~		_	102 33.79		837 33.92	8508 33.86	528 33.86		115 33.63		1300 33.70	138 33.70	231 33.81	198 33.82	33.53	509 33.76	376 33.46						125 33.73			77.8 33.74	1449 33.73			150 33.75			33.86	334 33.86	340 33.86		529 33.92		_		413 33.80	000000000000000000000000000000000000000
0	2.0 0.2		^			_	3.0 10	3.0 131	5.0 83	14.0 85		5.0 76	3.4 11	7.5 83	18.0 13	25.0 13	4.0 23	4.0 19	1.8 2	5.8 50	5.0 37	5.0 42	7.5 68	7.5 90	.5 53	~	11.8 12	10.1 550	8.5 291		9.0 14	17.0 597	_	5.9 15	8.0 305	7.0 42	10.0 33	10.0	5.0 34	5.5 75	0.0				-	
750 2						_	8.000 3.	5.000 3.	5.000 5.	28.000 14				7.500 7.	77.000 18	80.000 25	7.000 4.	7.000 4.	1.750 1.	5.750 5.	5.000 5.		7.500 7.	7.500 7.		0	28.000 13	10.000 10	18.000 8.	6.000 0.	10.000 9.			10.000 5.	8.000 8.	14.000 7.	10.000 10	10.000 10	4.000 5.	11.000 5.	9.000 0.					
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2		2 2	0 2 3			No	No	No	No	/Ear No	No	No	No	No	No	No	No	N <sub>o</sub>	No	Yes	No	onc: No	No	No	No	No	No	No	No	No	:															
Concrete	Concrete	College	Concrete	Concrete	Concrete	Rip-rap	Concrete	Concrete	Concrete	Concrete/Ear	Rip-rap	Concrete	Concrete	Concrete	Rip-rap	Concrete	Rip-rap	Concrete	Rip-rap	Concrete	Concrete	Concrete	Concrete	Concrete	Rip-rap	Concrete	Concrete	RipRap/Conc	Rip-Rap	Concrete	Concrete	Rip-Rap	Concrete	Concrete	Concrete	Concrete	0402000									
929	PCP	ר מ	ACK HD & D	TRAP	RCB2	TRAP	RCB-1	RCB-2	RCP-1	NNETRAP	UNETRAP	RCB	RCB2	RCP	TRAP	TRAP BRDG	RCB	RCB	RCP	RCP-1	RCP	RCP	RCP	RCP	RCP	TRAP BRDG	RECT	TRAP	2-RCB	RCT	RCB-1	RECT	2-RCB	TRAP	RCB-2	RCB-2	TRAP	TRAP	RCT-1	RCB-1	TRAP	RCP-1	RCT-1	RCT-1	RCT-1	
Esperanta Doad Storm Drain	Esperanza Boad Storm Drain	Esperaliza noad storm Dram	East Foothill Storm Drain	EAST COSTA MESA CHANNEL	EAST COSTA MESA CHANNEL	PETERS CANYON CHANNEL	ROSALIA STORM CHANNEL	ROSALIA STORM CHANNEL		CARBON CANYON DIVERSION CHANNETRAP		Villa Park Storm Drain	EAST COSTA MESA CHANNEL	No Name	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	Villa Park Storm Drain	Villa Park Storm Drain	Niguel Storm Drain	Hewes Storm Drain	Golden Lantern Storm Drain	Golden Lantern Storm Drain	No Name	No Name	No Name	SANTA ANA RIVER CHANNEL	EL MODENA-IRVINE CHANNEL	EL MODENA-IRVINE CHANNEL	EL MODENA-IRVINE CHANNEL	LA COLINA-RED HILL CHANNEL	East Foothill Storm Drain	PETERS CANYON CHANNEL	RATTLESNAKE CANYON CHANNEL	EL MODENA-IRVINE CHANNEL	East Foothill Storm Drain	<b>BUENA PARK STORM CHANNEL</b>	<b>BUENA PARK STORM CHANNEL</b>	<b>BUENA PARK STORM CHANNEL</b>	BUENA PARK STORM CHANNEL	BUENA PARK STORM CHANNEL	East La Habra Storm Channel	East La Habra Storm		STANTON STORM CHANNEL	STANTON STORM CHANNEL	
190707081	18070106	10070704	18070204	18070204	18070204	18070204	18070201	18070201	18070106	18070106	18070106	18070203	18070204	18070301	18070204	18070204	18070203	18070203	18070301	18070204	18070301	18070301	18070301	18070301	18070301	18070203	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070201	18070201	18070201	
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Hadararand Conduit	Underground Conduit	Oliuci gi odilia Colludit	Concrete-Lined	Concrete-Lined	Underground Conduit	Riprap Channel	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Riprap Channel	Underground Conduit	Underground Conduit	Underground Conduit	Riprap Channel	Concrete-Lined	Underground Conduit	Riprap Channel	Concrete-Lined	Riprap Channel	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Riprap Channel	Underground Conduit	Underground Conduit	Riprap Channel	Riprap Channel	Concrete-Lined	Underground Conduit	Riprap Channel	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	:								
E01017	EO1D14	FOIL 14	F26PUI	205	<b>C</b> 02	F06	C03S04	C03S04	A01P09	E02	E02	E08P02	G02	J04P04	F06	F06	E08P02	E08P02	J03P01	F07P06	L00P01	L00P01	J04P04	J04P04	J04P04	E01	F07	F07	F07	F07S01	F26P01	F06	F26	F07	F26P01	A03S01	A03S01	A03S01	A03S01	A03S01	A01P13	A01P13	C02S01	C02S01	C02S01	,000
2557	3555	0000	355/	3562	3563	3564	3585	3586	3592	3611	3612	3697	3740	3772	3773	3774	3775	3776	3793	3799	3802	3803	3804	3805	3806	3807	3822	3823	3824	3825	3831	3832	3833	3834	3835	3836	3837	3838	3839	3840	3841	3842	3843	3844	3845	0,00

-117.91877155000	-117.90865711000	-117.91408583000	-117.95482024000	-117.95484667000	-117.80620409000	-117.80149223000	-117.80139370000	-117.82986355000	-117.77808514000	-117.77439187000	-117.77462520000	-117.77507823000	-117.77434324000	-117.77304699000	-117.77388291000	-117.77285524000	-117.77246172000	-117.98057522000	-117.98072397000	-117.97907662000	-117.98051811000	-117.94881001000	-117.95469700000	-117.95747219000	-117.92621966000	-117.98290993000	-117.98497643000	-117.98741887000	-117.86230185000	-117.87772845000	-117.87749841000	-117.75674388000	-117.79249624000	-117.79260010000	-117.90672359000	-117.94604845000	-117.98909023000	-117.93695417000	-118.01154274000	-117.77475339000	-117.77942621000	-117.77960631000	-117.77898198000	-117.77916117000	-117.77808905000	-117.77573460000
33.69059821000 -11.		33.68881809000 -11.	33.92695077000 -11	33.92692218000 -117	33.79876830000 -11	33.79876693000 -11.	33.79872815000 -11	33.78088990000 -11	33.53838808000 -117	33.54016160000 -117	33.53975872000 -117	33.53900332000 -117	33.54137124000 -11	33.54243953000 -117	33.54182665000 -117	33.53046674000 -11.	33.53146119000 -11.	33.86012965000 -11	33.86251232000 -117	33.85850061000 -117	33.85910415000 -11	33.85433067000 -11		33.85441068000 -11.	33.76450821000 -11	33.72871384000 -11	33.73026658000 -11	33.73263868000 -11.	33.87357549000 -11	33.86088255000 -11	33.86025311000 -117	33.88173419000 -11	33.86420403000 -11	33.86253444000 -11	33.93006017000 -11	33.93080922000 -111	33.73739676000 -11	33.70373946000 -11.	33.86878403000 -118	33.84283375000 -11	33.85663515000 -11.	33.85784257000 -111		33.84851602000 -11		
206	255	3062	1003	666	363	56	40	484	1762	147	179	458	216	521	227	826	72	592	1156	933	158	2810	765	925	1645	1392	300	2055	1768	95	384	102	1137	159	1151	674	82	164	321	664	733	153	61	1973	515	104
14.0	12.4	10.0	5.0	3.8	5.0	3.0	3.0	8.0	5.5	4.5	5.0	3.5	4.5	4.5	4.5	7.0	7.0	0.9	0.9	0.9	5.0	5.0	6.5	5.0	10.5	7.0	5.3	7.0	0.9	10.0	10.0	9.0	6.5	6.5	7.5	4.5	2.5	4.4	2.0	5.0	8.0	9.0	8.0	8.0	8.0	0.0
14.000	18.000	18.000	5.000	3.750	5.000	3.000	3.000	4.000	5.500	4.500	5.000	3.500	4.500	4.500	5.000	7.000	7.000	5.000	9.000	14.000	000.9	8.000	8.000	8.000	12.000	4.000	5.250	4.000	000.9	31.500	30.000	20.000	20.000	20.000	8.000	4.500	2.500	6.920	4.000	14.000	8.000	8.000	14.000	12.000	20.000	20.000
N <sub>o</sub>	No	N <sub>o</sub>	No	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	No	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	2 2
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego	San Diego	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana																
8	8	N <sub>o</sub>	N <sub>o</sub>	8	No	N <sub>o</sub>	8 N	No	Yes	Yes	Yes	N	8	8	N <sub>o</sub>	8	N <sub>o</sub>	8	N <sub>o</sub>	No	No	N <sub>o</sub>	No	No	N <sub>o</sub>	No	No	8	No	No	No	N	8	8	8	8 8	N <sub>o</sub>	8 N	N <sub>o</sub>	2 2						
Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Metal	Metal	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
RCT-1	RCT-1	RCB-1	RCP-1	RCP-1	RCP-1	CMP-1	CMP-1	RCT-1	RCP-1	RCP-1	RCP-1	RCP-1	RCP-1	RCP-1	RCB-1	RCP-1	RCP-1	RCT-1	RCT-1	RCB-2	RCB-2	RCT-1	RCT-1	RCT-1	RCR-1	RCT-1	RCP-1	RCT-1	RCP-1	RCR-3	RCB-3	RCR-1	RCB-1	RCB-1	EL RCB-1	RCP-1	RCP-1	RCP-1	RCT-1	RCT-1	RCT-1	RCT-1	RCB-1	RCT-1	RCB-2	RCB-2
GISLER STORM CHANNEL	GISLER STORM CHANNEL	GISLER STORM CHANNEL	MONTE VISTA STORM DRAIN	MONTE VISTA STORM DRAIN	No Name	No Name	No Name	LA VETA STORM DRAIN	Sleepy Hollow Storm Drain	Bluebird Storm Channel	Bluebird Storm Channel	HOUSTON STORM CHANNEL	Newhope Storm Channel	EDINGER STORM CHANNEL	EDINGER STORM CHANNEL	EDINGER STORM CHANNEL	Kraemer Storm Drain	PLACENTIA STORM CHANNEL	PLACENTIA STORM CHANNEL	BLUE MUD STORM CHANNEL	EAST RICHFIELD STORM CHANNEL	EAST RICHFIELD STORM CHANNEL	MEMORY GARDENS STORM CHANNEL	No Name	Van Buren Storm Drain	Southpark Storm Drain	BUENA PARK STORM CHANNEL	Walnut Canyon Storm Channel																		
18070203	18070203	18070203	18070106	18070106	18070203	18070203	18070203	18070203	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070201	18070201	18070201	18070201	18070106	18070106	18070106	18070203	18070106	18070106	18070106	18070106	18070201	18070203	18070106	18070203	18070203	18070203	18070203	18070203	18070203	18070703
٥	D	۵	⋖	٧	Е	В	Е	Е	_	_	_	_	_	_	_	_	_	Α	٧	٨	٧	A	⋖	A	C	O	O	C	В	В	В	В	ш	В	Α	Α	O	D	٧	Ш	В	ш	ш	ш	Ш	ı
Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit						
D03S03	D03S03	D03S03	A01P01	A01P01	E08P07	E08P07	E08P07	E08P01	100P02	100P03	100P03	A03S02	C05S10	C05S05	C05S05	C05S05	B01P25	B01S03	B01S03	E06S01	E01S01	E01S01	A04S01	A01P09	C05P07	E01P79	A03S01	E01S09	E01S09	E01S09	E01S09	E01S09	E01S09	F01509												
3848	3849	3850	3851	3852	3853	3854	3855	3856	3857	3858	3859	3860	3861	3862	3863	3864	3865	3866	3867	3868	3869	3870	3871	3872	3874	3875	3876	3877	3879	3880	3881	3882	3883	3884	3885	3886	3887	3888	3889	3890	3891	3892	3893	3894	3895	3896

-117.77640395000	-117.77903997000	-117.77895670000	-118.09807053000	-118.09952831000	-118.09989687000	-118.08635071000	-117.89788158000	-117.88322028000	-117.86776338000	-117.87063430000	-117.87050671000	-117.87028228000	-117.86893665000	-117.87001641000	-117.88466253000	-117.83898524000	-117.83965963000	-117.82742302000	-117.82696496000	-117.82554453000	-117.82571666000	-117.82592737000	-117.83504200000	-117.83092124000	-117.82789483000	-117.82925047000	-117.80514411000	117.80450526000	-117.80325308000	-117.80227456000	-118.03071934000	-118.03033245000	-118.02996219000	-117.90766266000	-117.87641584000	-117.90165874000	-117.85778436000	-117.85950314000	-117.90772908000	-117.96463784000	-117.96044709000	-117.90657824000	-117.90537605000	-117.90225909000	-117.90416883000	-117.89805405000
33.84409776000	33.85226379000	33.85324713000	33.74227762000	33.74383137000	33.74325034000	33.77554207000	33.80099305000	33.68769519000	33.68604558000	33.68822746000	33.68769994000	33.68674575000	33.68629728000	33.68648259000	33.67324812000	33.62917083000	33.62939882000	33.62048224000	33.62013999000	33.61188902000	33.61420409000	33.61816389000	33.62715819000	33.62361510000	33.62083476000		33.77157881000	33.77157785000	33.77157687000	33.77163577000	33,76568081000	33.76601509000		33.62145304000		33.63541567000	33.59136862000	33.59215236000	33.62783103000	33.85416587000	33.85445631000	33.68853405000	33.68849162000	33.68850159000	33.68846706000	33.77814823000
525	602	120	1257	415	89	2293	1933	483	244	115	105	78	501	188	711	292	151	66	275	158	1534	1351	2552	1088	286	733	77	312	449	150	120	218	100	285	265	1170	1144	29	606	1995	572	512	221	648	514	3349
0.9	5.0	5.0	6.5	4.5	4.5	14.0	8.0	11.0	7.0	8.0	8.0	8.0	8.0	8.0	5.5	8.0	9.0	8.0	8.0	8.0	6.5	8.0	8.0	9.5	9.5	9.0	4.3	4.0	3.8	3.3	4.0	4.0	4.0	4.5	5.0	3.3	4.3	3.5	5.0	5.0	5.0	13.0	13.0	10.0	10.0	8.0
18.000	12.500	12.500	6.500	4.500	5.000	20.000	8.000	11.000	12.000	16.000	16.000	16.000	10.000	16.500	5.500	7.000	9.000	8.000	8.000	10.000	6.500	8.000	14.000	14.000	14.000	14.000	4.250	4.000	3.750	3.250	4.000	4.000	4.000	4.500	5.000	11.000	4.330	3.500	5.000	8.000	8.000	12.000	12.000	10.000	16.000	7.000
N <sub>o</sub>	No	8 N	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	No	N <sub>o</sub>	No	No	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	9 N	N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	No	8 N	N <sub>o</sub>	9	No	No	N <sub>o</sub>	N <sub>o</sub>	8 N	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No No
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana
No	No	8	Yes	Yes	Yes	8 N	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	No	N <sub>o</sub>	No	No	No	8	No	No	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	No	No	No	No	No	N <sub>o</sub>	No	Š	Yes	8	Yes	Yes	8	8 N	Š	8 N	8 N	No	N <sub>o</sub>	No
Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Earth	Concrete	Concrete	Concrete	Concrete	Metal	Metal	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Earth	Concrete	Concrete	Concrete	Concrete						
RCT-1	RCT-1	RCT-1	RCP-1	RCP-1	RCB-1	RCT-1	RCP-1	RCB-1	RCB-1	RCR-1	RCR-1	RCB-2	ET-1	RCR-1	RCP-1	RCB-2	RCB-2	CMP-1	CMP-1	RCB-1	RCP-1	RCP-1	RCR-1	RCR-1	RCR-1	RCR-1	RCP-1	RCP-1	RCP-1	RCP-1	RCT-1	RCB-1	RCT-1	RCP-1	RCP-1	RCB-1	RCP-1	RCP-1	RCP-1	RCT-1	RCT-1	ET-1	RCT-1	RCB-1	RCB-1	RCB-1
Walnut Canyon Storm Channel	Walnut Canyon Storm Channel	Walnut Canyon Storm Channel	Seal Beach Storm Drain	Seal Beach Storm Drain	Seal Beach Storm Drain	BIXBY STORM CHANNEL	Spinnaker Storm Drain	AIRPORT STORM CHANNEL	Baker Storm Channel	Coyote Canyon Storm Drain	No Name	No Name	No Name	No Name	Milan Storm Channel	Milan Storm Channel	Milan Storm Channel	East Newport Heights Storm Drain	Bayside Storm Drain	Irvine-Baycrest Storm Drain	No Name	No Name	Westcliff Storm Drain	HOUSTON STORM CHANNEL	HOUSTON STORM CHANNEL	GISLER STORM CHANNEL	GISLER STORM CHANNEL	GISLER STORM CHANNEL	GISLER STORM CHANNEL	LEWIS STORM CHANNEL																
18070203	18070203	18070203	18070201	18070201	18070201	18070106	18070201	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070201	18070201	18070201	18070204	18070204	18070204	18070204	18070204	18070204	18070106	18070106	18070203	18070203	18070203	18070203	18070201
ш	ш	ш	S	C	S	C	C	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ட	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	C	C	C	ŋ	ŋ	g	I	I	ŋ	A	A	٥	٥	Q	۵	U
Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Earth Channel	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Earth Channel	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit
E01S09	E01S09	E01S09	C00P02	C00P02	C00P02	C01S04	C05P21	F01S01	F01S03	F04P04	F07P19	F07P19	F07P19	F07P19	C03S01	C03S01	C03S01	G00P01	G00P07	G02P01	H00P01	H00P01	G02P02	A03S02	A03S02	D03S03	D03S03	D03S03	D03S03	C05S11																
3897	3898	3899	3900	3901	3902	3903	3904	3905	3906	3907	3908	3909	3910	3911	3912	3915	3916	3917	3918	3919	3920	3921	3922	3923	3924	3925	3926	3927	3928	3929	3930	3931	3932	3933	3934	3935	3936	3937	3938	3939	3940	3941	3942	3943	3944	3945

-117.70141836000	-117.70021831000	-117.70236898000	-117.67601819000	-117.66853316000	-117.66593527000	-117.66805598000	-117.66623116000	-117.66958466000	-117.66966493000	.117.66971213000	-117.66976153000	-117.66989822000	-117.66993964000	-117.66987166000	-117.66990619000	-117.66985313000	-117.66982415000	-117.66976252000	-117.66970808000	-117.66967954000	-117.66965920000	-117.66962118000	-117.66957505000	-117.66949490000	-117.66909867000	-117.66607795000	-117.66686645000	.117.69382814000	-117.65949580000	-117.65925581000	-117.65917893000	-117.67299585000	-117.75230286000	-117.75209199000	-117.75182781000	-117.74191555000	-117.90571118000	-117.64375382000	-117.64179035000	-117.99885710000	-117.99890808000	-117.99887949000	-117.99888431000	-117.99871892000	-117,98508983000
-117.70	-117.70	-117.70	-117.67	-117.66	-117.66	-117.66	-117.66	-117.66	-117.66	-117.66	-117.66	-117.66	-117.66	-117.66	-117.66	-117.66	-117.66	-117.66	-117.66	-117.66	-117.66	-117.66	-117.66	-117.66	-117.66	-117.66	-117.66	-117.69	-117.65	-117.65	-117.65	-117.67	-117.75	-117.75	-117.75	-117.74	-117.90	-117.64	-117.64	-117.99	-117.99	-117.99	-117.99	-117.99	-117.98
33.57071802000	33.57001500000	33.57149800000	33.62618370000	33.48686939000	33.48926510000	33.50284987000	33.48912444000	33.52504662000	33.52517562000	33.52524057000	33.52530951000	33.52552999000	33.52582409000	33.52645888000	33.52613819000	33.52663302000	33.52690025000	33.52745810000	33.52790455000	33.52800251000	33.52807016000	33.52819629000	33.52832635000	33.52842751000	33.52876816000	33.53541984000	33.53285807000	33.46135597000	33.45060978000	33.45095619000	33.45106715000	33.46656097000	33.58926293000	33.58947481000	33.58972071000	33.60401729000	33.91733005000	33.44254447000	33.44258338000	33.78839592000	33.79038680000	33.78842122000	33.78863742000	33.78032356000	33.65014254000
838	113	14	1351	146	110	383	857	79	27	28	31	151	99	71	163	99	139	268	28	15	36	29	40	49	2030	1680	359	747	190	45	48	307	161	45	195	1386	26	169	167	28	1158	42	115	89	865
5.5	4.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	3.0	3.0	3.0	8.0	2.0	0.0	0.0	3.5	12.0	7.0	8.0	4.0	4.5	4.0	5.0	7.0	12.8
5.500	4.000	8.500	20.000	160.000	180.000	70.000	60.000	50.000	000.09	60.000	60.000	000.09	60.000	70.000	100.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	50.000	50.000	60.000	5.000	8.000	8.000	000.9	8.000	8.000	14.500	21.000	3.500	000.09	7.000	7.000	7.000	2.000	10.000	000'9	7.000	80.000
8	No	N <sub>o</sub>	Yes	No	N <sub>o</sub>	Yes	No	N <sub>o</sub>	N <sub>o</sub>	No	No	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	S																					
San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	Santa Ana	San Diego	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana
2	No	No	8	ar No	ar No	ar No	ar No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	8	No	rt No	Yes	Yes	Yes	Yes	Yes	N <sub>0</sub>	No	No	No	No	Yes	Yes	No	No	No	No	N <sub>o</sub>	'al Yes
Concrete	Concrete	Concrete	Rip-Rap	Concrete/Ear No	Concrete/Ear No	Concrete/Ear No	Concrete/Ear No	Rip-Rap	Rip-Rap	Rip-Rap	Rip-Rap	Rip-Rap	Rip-Rap	Concrete	Rip-Rap	Rip-Rap	Earth	Earth	Rip-Rap/Eartl No	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Steel/Natural Yes								
RCP	RCP	RCP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	RECT	RECT	RECT BRDG	RECT	RECT BRDG	RECT BRDG	RECT BRDG	RECT BRDG	TRAP	TRAP	TRAP	NATURAL	NATURAL	TRAP	RCP	RCB	RCB	RCB	RCP	RCB	Transition	RECT	RCP	RECT BRDG	RCB	RCR	RCB	RCT	RCB	RCT	RCB	RECT
No Name	No Name	NARCO CHANNEL	ENGLISH CANYON CHANNEL	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	Trabuco Creek Channel	Trabuco Creek Channel	Trabuco Creek Channel	Trabuco Creek Channel	Trabuco Creek Channel	Trabuco Creek Channel	Trabuco Creek Channel	Trabuco Creek Channel	Trabuco Creek Channel	Trabuco Creek Channel	Trabuco Creek Channel	Trabuco Creek Channel	Trabuco Creek Channel	Trabuco Creek Channel	Trabuco Creek Channel	Trabuco Creek Channel	Trabuco Creek Channel	Trabuco Creek Channel	Trabuco Creek Channel	Trabuco Creek Channel	Trabuco Creek Channel	Trabuco Creek Channel	Golden Lantern Storm Drain	Estrella Storm Channel	Estrella Storm Channel	Estrella Storm Channel	Capistrano Beach Storm Channel	No Name	No Name	No Name	No Name	BREA CANYON CHANNEL	Cascaita Canada Storm Channel	Cascaita Canada Storm Channel	CHAPMAN-BEACH STORM DRAIN	ROSALIA STORM CHANNEL	ROSALIA STORM CHANNEL	ROSALIA STORM CHANNEL	ROSALIA STORM CHANNEL	HUNTINGTON BEACH CHANNEL
18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070106	18070301	18070301	18070201	18070201	18070201	18070201	18070201	18070703
_	_	_	_	0 L	0 L	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	Σ	Σ	Σ	_	_	_	_	_	⋖	Σ	Σ	ပ	U	C	C	O	
Underground Conduit	Underground Conduit	Underground Conduit	Riprap Channel	Concrete Sides, Soft Botto L	Concrete Sides, Soft Botto	Earth Channel	Concrete-Lined	Riprap Channel	Concrete-Lined	Riprap Channel	Riprap Channel	Natural Watercourse	Natural Watercourse	Riprap Channel	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Concrete-Lined	Underground Conduit	Metal Sheet Channel													
J04P03	J04P03	104	70r	101	101	T03	L02	L02	L02	L02	L02	L02	T02	L02	T02	T02	T03	T02	T02	T02	L02	L02	L02	L02	L02	L02	T02	L00P01	M00S01	M00S01	M00501	L01S02	102P12	102P12	102P12	102P12	A04	M01S01	M01S01	C03P04	C03S04	C03S04	C03S04	C03S04	D01
4105	4106	4110	4119	4148	4149	4150	4151	4152	4153	4154	4155	4156	4157	4158	4159	4160	4161	4162	4163	4164	4165	4166	4167	4168	4169	4170	4171	4205	4206	4207	4208	4209	4210	4211	4212	4213	4214	4216	4217	4220	4221	4222	4238	4248	4255

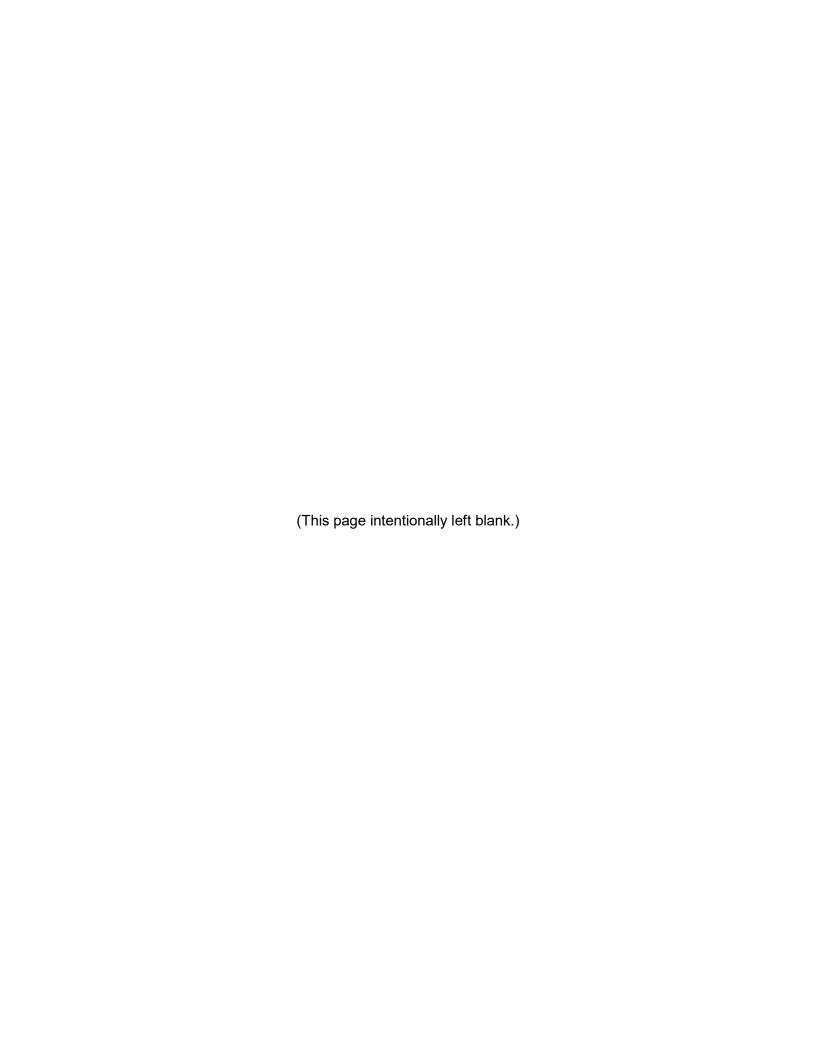
-117.90369777000 -118.05517150000	-118.04187149000	-11/./1/12/16000 -117 69634635000	-117.68058296000	-117.67233797000	-117.62436160000	-117.61744377000	-117.64394801000	-117.67691336000	-117.88153379000	-117.60083002000	-117.68261885000	-117.66685735000	-117.95844099000	-117.67343121000	-117.67344312000	-117.70388015000	-117.68470676000	-117.68447583000	-117.68500719000	-117.68504482000	-117.68519733000	-117.99772867000	-117.98412977000	-117.98400620000	-117.98392799000	-118.00761687000	-117.67913173000	-117.67836490000	-117.79028937000	-117.69384149000	-117.83539696000	-117.82600907000	-117.83142185000	-117.77586342000	-117.77319952000	-117.77359625000	-117.81346605000	-117.80015582000	-117.81704416000	-117.83279695000	-117.84240802000	-117.79335486000	-117.95300800000	-117.75703800000
-117.903	-118.041	-11/./1, -117 696	-117.680	-117.672	-117.624	-117.617	-117.643	-117.67€	-117.881	-117.600	-117.682	-117.666	-117.958	-117.673	-117.673	-117.703	-117.684	-117.684	-117.685	-117.685	-117.685	-117.997	-117.984	-117.984	-117.983	-118.007	-117.675	-117.678	-117.790	-117.693	-117.835	-117.826	-117.831	-117.775	-117.773	-117.773	-117.813	-117.800	-117.817	-117.832	-117.842	-117.793	-117.953	-117.757
33.62567334000 33.72246741000	33.75049685000	33.492631/1000	33.47126508000	33.46665576000	33.43605795000	33.42911823000	33,44244006000	33.48290113000	33.65428167000	33.45734655000	33.46498849000	33.48792771000	33.91866620000	33.58289276000	33.58305737000	33.52022099000	33.53210340000	33.53219031000	33.53016861000	33.52973852000	33.52959710000	33.77382621000	33.78840654000	33.78840745000	33.78840812000	33.76278745000	33.46900370000	33.46876602000	33.71676262000	33.46252936000	33.67820581000	33.68884235000	33.67179894000	33.72863613000	33.73150065000	33.72803820000	33.75697972000	33.78777472000	33.71606565000	33.72708495000	33.73363123000	33.76067002000	33.64446894000	33.65358048000
453 1112	86	117	900	121	575	69	202	700	901	17	200	559	1900	1113	48	929	105	26	204	111	33	295	43	33	15	173	37	461	279	111	250	751	623	1056	501	422	100	392	86	388	149	354	2990	119
5.5	10.0	χ. γ. γ. γ.	16.0	8.0	11.5	3.0	11.0		16.8			16.5	0.0	9.5	0.0	4.5	1.5	1.5	1.8	2.5	2.5	9.0	3.0	6.5	2.0	3.0	12.0	8.0	11.0				12.0	12.0	11.0	10.0	5.3	7.8	9.0	10.0	8.0	8.0	19.5	15.0
5.500	64.000	8.500	172.000	8.000	18.000	3.000	19.300	150.000	15.000	14.000	257.000	213.000	21.000	18.000	18.000	4.500	1.500	1.500	1.750	2.500	2.500	9.000	8.000	6.500	2.000	3.000	7.500	8.000	40.000	2.000	118.000	103.000	28.000	25.000	14.000	16.000	10.000	7.800	20.000	8.000	13.000	12.000	400.000	100.000
0 N S	9 2 2	0 Z	Yes	No	Yes	No	Yes	N <sub>o</sub>	Yes	No	Yes	No	No	No	No No	N <sub>o</sub>	No	No No	No	No	No	No	No	No	No No	N <sub>o</sub>	No	8	N <sub>o</sub>	N <sub>o</sub>	Yes	N <sub>o</sub>	No	No No	No	No	No	No	No	No	No	No	No	Yes
Santa Ana Santa Ana	Santa Ana	San Diego San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	Santa Ana	San Diego	San Diego	San Diego	Santa Ana	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego	San Diego	Santa Ana	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana
Yes Yes	oN S	Yes	of No	No	Yes	Yes	Yes	No	Yes	No	of Yes	ar No	No	No	N <sub>o</sub>	No	No	No	No	No	Yes	Yes	No	Yes	No	No No	No	No	No	No	No	No	No	No	No	No	Yes	No						
Concrete	Concrete	Concrete	Concrete, Sof No	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete, Sof Yes	Concrete/Ear No	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Rip-Rap	Rip-Rap	Earth	Concrete	Concrete	Concrete	Rip-rap	Concrete	Concrete	Concrete	Concrete	Concrete	Rip-rap	Soil Cement
RCP-1 RCB	4-RCB	RCP P	TRAP	RCP	INRECT	RCP	L 2-RCB	TRAP	TRAP	CHANN RCB	TRAP	TRAP	2-RCB	RECT	RECT	RCP	RCP	RCP	RCP	RCP-1	RCP-1	RCP	RCB	RCP	RCP	RCP	RCB	RCB	RECT	RCP	TRAP	TRAP	TRAP	TRAP	RCB	RCB	TRAP	RCP	2-RCB	TRAP	RCB	RCB	TRAP	TRAP
Westcliff Storm Drain SUNSET CHANNEL	ANAHEIM-BARBER CITY CHANNEL	SALI CREEK CHANNEL Golden Lantern Storm Drain	SAN JUAN CREEK CHANNEL	Capistrano Beach Storm Channel	SEGUNDA DESHECHA CANADA CHANN RECT	MARQUITA STORM CHANNEL	PRIMA DESHECHA CANADA CHANNEL	SAN JUAN CREEK CHANNEL	SANTA ANA-DELHI CHANNEL	νDA	SAN JUAN CREEK CHANNEL	SAN JUAN CREEK CHANNEL	IMPERIAL CHANNEL	LA PAZ CHANNEL	LA PAZ CHANNEL	Niguel Storm Drain	Garden Grove Storm Drain	No Name	No Name	No Name	HUMBOLDT STORM CHANNEL	Capistrano Beach Storm Channel	Capistrano Beach Storm Channel	PETERS CANYON CHANNEL	Golden Lantern Storm Drain	SAN DIEGO CREEK CHANNEL	SAN DIEGO CREEK CHANNEL	SAN JOAQUIN CHANNEL	PETERS CANYON CHANNEL	PETERS CANYON CHANNEL	HICKS CANYON CHANNEL	EL MODENA-IRVINE CHANNEL	EL MODENA-IRVINE CHANNEL	SANTA ANA-SANTA FE CHANNEL	SANTA ANA-SANTA FE CHANNEL	SANTA ANA-SANTA FE CHANNEL	RED HILL CHANNEL	SANTA ANA RIVER CHANNEL	SAN DIEGO CREEK CHANNEL					
18070204	18070201	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070204	18070301	18070301	18070301	18070106	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070301	18070201	18070201	18070201	18070201	18070201	18070301	18070301	18070204	18070301	18070204	18070204	18070204	18070204	18070204	18070204	18070204	18070203	18070204	18070204	18070204	18070204	18070203	18070204
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黄黄:	 = !	= =	t Botto l	uit	_			_	_	uit	t Botto i	t Botto		_	_	nit -	nit	uit	uit	uit	uit	uit	uit	uit	nit	nit	nit	nit Tin	_	nit .	_	_	_	_	_	uit	_	uit	uit	_	uit I	ii.	_	t Botto
Underground Conduit Underground Conduit	Underground Conduit	Underground Conduit	Concrete Sides, Soft Botto L	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete Sides, Soft Botto L	Concrete Sides, Soft Botto L	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Riprap Channel	Riprap Channel	Earth Channel	Concrete-Lined	Concrete-Lined	Underground Conduit	Riprap Channel	Underground Conduit	Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Riprap Channel	Concrete Sides, Soft Botto F						
G02P02 C07	C03	KUI LOOPO1	101	L01S02	M02	M00507	M01	101	F01	M02	101	101	A07	L04	L04	J03P01	J03P01	J03P01	J03P01	J03P01	J03P01	C03P17	C03P06	C03P06	C03P06	C03S02	L01S02	L01S02	F06	L00P01	F05	F05	F14	F06	F06	F27	F07	F07	F10	F10	F10	F13	E01	F05
4258	4260	4262	4264	4265	4266	4267	4268	4269	4272	4273	4275	4280	4284	4292	4293	4297	4298	4299	4300	4301	4302	4314	4324	4325	4326	4352	4356	4357	4364	4366	4367	4368	4370	4371	4372	4373	4374	4375	4376	4377	4378	4379	4380	4381

4382 F05	Concrete Sides, Soft Botto	ш.	18070204 SAN E	SAN DIEGO CREEK CHANNEL	TRAP	Soil Cement	8 0 8	Santa Ana	Yes	100.000	15.0 6	683 33.	33.65158010000	-117.75653345000
4383 F18	Underground Conduit	F 18070	18070204 AGUA	AGUA CHINON CHANNEL	3-RCB (	Concrete	No	Santa Ana	No	36.000 1	11.0	90 33.	33.65620091000	-117.73493244000
4384 E01	Concrete-Lined	E 18070	18070203 SANT,	SANTA ANA RIVER CHANNEL	TRAP (	Concrete	No	Santa Ana	No	160.000 2	22.5 2	230 33.	33.71740154000	-117.91993232000
4385 E01	Riprap Channel	E 18070	18070203 SANT	SANTA ANA RIVER CHANNEL	TRAP	Rip-rap	No	Santa Ana	Yes	260.000 2		3566 33.	33.77030184000	-117.89157558000
4386 E01	Riprap Channel	E 18070	18070203 SANT	SANTA ANA RIVER CHANNEL	TRAP	Rip-rap	No	Santa Ana	No	270.000 1	17.5 4	487 33.	33.78824629000	-117.88219013000
4387 E01	Riprap Channel	E 18070	18070203 SANT	SANTA ANA RIVER CHANNEL	TRAP	Rip-rap	No	Santa Ana	No	240.000 1	17.0 1	1153 33.	33.80254805000	-117.87639054000
4388 E01	Riprap Channel	E 18070	.8070203 SANT	SANTA ANA RIVER CHANNEL	TRAP	Rip-rap	No	Santa Ana	No	293.400 1	14.0 1	1450 33.	33.82487948000	-117.86693870000
4389 E01	Riprap Channel	E 18070	18070203 SANT,	SANTA ANA RIVER CHANNEL	TRAP	Rip-rap	No	Santa Ana	No	300.000 1	14.0 1	1589 33.	33.84054174000	-117.85861079000
4390 E01	Riprap Channel	E 18070	- /	SANTA ANA RIVER CHANNEL		Rip-rap	No	Santa Ana	No					-117.82445684000
	Riprap Channel	E 18070		SANTA ANA RIVER CHANNEL		Rip-rap	No	Santa Ana	No					-117.79198417000
4392 E01	Riprap Channel	E 18070		SANTA ANA RIVER CHANNEL		Rip-rap	No	Santa Ana	No					-117.76519209000
4393 E01	Riprap Channel	E 18070		SANTA ANA RIVER CHANNEL		Rip-rap	No	Santa Ana	No	_		Π.		-117.75698564000
1417 E06	Concrete-Lined	E 18070		ESPERANZA CHANNEL		Concrete	No	Santa Ana	No				33.87461234000	-117.75789155000
4394 E06	Concrete-Lined	E 18070		ESPERANZA CHANNEL	RECT	Concrete	No	Santa Ana	No		_			-117.75790528000
1318 E04	Earth Channel	E 18070		ATWOOD CHANNEL		Earth	No	Santa Ana	No				33.86760487000	-117.84093793000
4395 E04	Earth Channel	E 18070		ATWOOD CHANNEL		Earth	No	Santa Ana	No					-117.83951270000
1338 E04	Concrete-Lined	E 18070	18070106 ATWC	ATWOOD CHANNEL	TRAP	Concrete	No	Santa Ana	No	14.000 8		1017 33.	33.86742082000	-117.81307003000
4396 E04	Concrete-Lined	E 18070	.8070106 ATWC	ATWOOD CHANNEL	TRAP	Concrete	No	Santa Ana	No	14.000 8	8.0 1	1017 33.	33.86850191000	-117.81199608000
3022 E04P01	'01 Underground Conduit	E 18070	18070106 No Name	ame	RCP	Concrete	No	Santa Ana	No	4.500 4	4.5 1	1139 33.	33.86937757000	-117.81238530000
1057 D03	Riprap Channel	D 18070	18070203 GREEI	GREENVILLE-BANNING CHANNEL	TRAP	RiprapEarth	No	Santa Ana	No			324 33.	33.69138296000	-117.92028639000
4796 D03	Riprap Channel	D 18070	18070203 GREEI	GREENVILLE-BANNING CHANNEL	TRAP	Riprap/Earth	No	Santa Ana	No	25.000 13	18.0	324 33.	33.69138000000	-117.91969324000
1058 D03	Underground Conduit	D 18070	18070203 GREEI	GREENVILLE-BANNING CHANNEL	2-RCB	Concrete	No	Santa Ana	No	24.000 1		122 33.	33.69138070000	-117.91942874000
4797 D03	Underground Conduit	D 18070	18070203 GREEI	GREENVILLE-BANNING CHANNEL	2-RCB	Concrete	No	Santa Ana	No	24.000 1	10.5	122 33.	33.69138486000	-117.91919035000
1060 D03	<b>Underground Conduit</b>	D 18070	18070203 GREEI	GREENVILLE-BANNING CHANNEL	2-RCB	Concrete	No	Santa Ana	No				33.69143347000	-117.91491548000
5194 D03	<b>Underground Conduit</b>	D 18070	18070203 GREEI	GREENVILLE-BANNING CHANNEL	2-RCB	Concrete	No	Santa Ana	No	28.000 1			33.69142593000	-117.91561114000
1014 D02	Earth Channel	D 18070	18070203 TALBE	TALBERT CHANNEL	RECT BRDG	Earth	Yes	Santa Ana	No	98.000			33.63660156000	-117.96287254000
5594 D02	Earth Channel	-	.8070203 TALBE	TALBERT CHANNEL	RECT BRDG	Earth	Yes	Santa Ana	No				33.63672648000	-117.96301402000
	Earth Channel	τ,		TALBERT CHANNEL		Earth	Yes	Santa Ana	No		11.0 7		33.63749086000	-117.96387645000
5595 D02	Earth Channel		18070203 TALBE	FALBERT CHANNEL	IRR TRAP	Earth	Yes	Santa Ana	No	100.000	11.0 7		33.63861684000	-117.96492595000
5596 D02	Earth Channel			TALBERT CHANNEL	IRR TRAP	Earth	Yes	Santa Ana	No				33.63896910000	-117.96521088000
	Metal Sheet Channel		_	FALBERT CHANNEL	-,	Steel/Natural Yes	lYes	Santa Ana	No				33.63963873000	-117.96560283000
	Metal Sheet Channel	` '		TALBERT CHANNEL	RECT	Steel/Natural Yes	lYes	Santa Ana	No				33.64141652000	-117.96630309000
5598 D02	Metal Sheet Channel	` '		TALBERT CHANNEL	-,	Steel/Natural Yes	lYes	Santa Ana	No	120.000 1			33.64284114000	-117.96648155000
	Metal Sheet Channel	D 18070		TALBERT CHANNEL	-,	Steel/Natural Yes	l Yes	Santa Ana	No					-117.96654525000
	Metal Sheet Channel	D 18070	18070203 TALBE	TALBERT CHANNEL		Steel/Natural No	I No	Santa Ana	No	120.000 1		0		-117.96665211000
	Metal Sheet Channel	D 18070	_		RECT	Steel/Natural No	I No	Santa Ana	No					-117.98678176000
5600 D01	Metal Sheet Channel	D 18070	_	HUNTINGTON BEACH CHANNEL	RECT	Steel/Natural No	I No	Santa Ana	No				33.67188616000	-117.98677733000
1075 C04	Underground Conduit	C 18070	18070201 WEST	WESTMINSTER CHANNEL	TRAP BRDG	Earth	No	Santa Ana	No	48.000 1			33.73005751000	-118.04148181000
5994 C04	Underground Conduit	C 18070	18070201 WEST	WESTMINSTER CHANNEL	TRAP BRDG	Earth	Yes	Santa Ana	No	48.000 1		90 33.	33.73006205000	-118.04166056000
704 C02	<b>Underground Conduit</b>	C 18070	18070201 BOLS	BOLSA CHICA CHANNEL	TRAP BRDG	Earth	Yes	Santa Ana	Yes	54.000 1			33.75938207000	-118.04302670000
5995 C02	<b>Underground Conduit</b>	C 18070	18070201 BOLSA	BOLSA CHICA CHANNEL	TRAP BRDG	Earth	No	Santa Ana	Yes		14.0 1	100 33.	33.75951492000	-118.04302538000
3249 C01S06	.06 Earth Channel	C 18070		FEDERAL STORM CHANNEL	ET	Earth/Rip-Rag Yes	t Yes	Santa Ana	No				33.75943847000	-118.09154336000
5996 C01S06	.06 Underground Conduit	C 18070	18070106 FEDEF	FEDERAL STORM CHANNEL	CMP	Steel	No	Santa Ana	No	12.000 3.			33.75974806000	-118.09118812000
668 C01	Earth Channel	C 18070	18070106 LOS A	LOS ALAMITOS CHANNEL	TRAP	Earth	Yes	Santa Ana	No	20.000 1.	13.0 1.	1200 33.	33.76289486000	-118.09207080000
_	Earth Channel	C 1807(	18070106 LOS A	OS ALAMITOS CHANNEL	TRAP	Earth	No	Santa Ana	No	20.000			33.76459855000	-118.09221721000
359 C05	Earth Channel	C 1807	18070201 EAST	EAST GARDEN GROVE-WINTERSBURG TRAP	TRAP	Earth	Yes	Santa Ana	Yes	70.000	13.4	1610 33.	33.70941530000	-118.03501418000
6394 C05	Earth Channel	C 1807	18070201 EAST	EAST GARDEN GROVE-WINTERSBURG TRAP	TRAP	Earth	No	Santa Ana	Yes	70.000	13.4	1610 33.	33.71042522000	-118.03265985000

-117.99779667000	-117.99775173000	-117.98107732000	-117.98064137000	-117.98103927000	-117.92548579000	-117.92495272000	-117.92464783000	-117.92424579000	-117.98048365000	-117.98104157000	-117.98076095000	-117.98074885000	-117.92449550000	-117.92397758000	-117.92364658000	-117.92309776000	-117.92329869000	-117.67262179000	-118.03714851000	-118.03284146000	-118.04396873000	-118.04420500000	-118.02867139000	-118.02937803000	-118.03204026000	-118.03392909000		-118.02595311000	-118.02563115000			-118.02049721000		-118.01610406000	-118.00775650000	-118.00718965000	-117.99827989000	-117.99874323000	-117.99764629000	-117.99740440000	-117.98658406000	-117.98682583000	-117.98406380000	-117.98424041000	-117.99504077000	-117.99873291000
33.71762196000	33.71762935000	33.72645840000	33.72664305000	33.72647451000	33.75549600000	33.75647540000	33.76154374000	33.76316159000	33.72683364000	33.72646834000	33.73390550000	33.73327992000	33.75653089000	33.75650301000	33.75646904000	33.75646912000	33.75647068000	33.48549529000	33.73007424000	33.73012316000	33.73043095000	33.73039440000	33.80055029000	33.79917317000	33.75751255000	33.75617066000	33.76173629000	33.76174260000	33.76198335000	33.76173950000	33.76427516000	33.76540616000	33.76704988000	33.76853801000	33.77429268000	33.77469529000	33.78051733000	33.78021338000	33.78094658000	33.78114585000	33.78840213000	33.78824467000	33.79004186000	33.78993498000	33.78114241000	33.78107407000
37	37	276	276	276	787	787	1230	1230	414	17	363	95	300	17	186	26	25	800	2625	2625	134	134	1012	1012	1446	1446	20	20	279	279	1427	1848	1848	1848	422	422	428	428	217	217	220	220	141	141	1492	74
16.4	16.4	10.0	10.0	10.0	12.5	12.5	10.0	10.0	8.5	8.5	7.0	7.0	5.0	5.0	5.0	5.0	5.0	16.5	10.5	10.5	15.0	15.0	4.0	4.0	14.0	14.0	14.0	14.0	9.0	9.0	12.0	12.0	12.0	12.0	11.0	11.0	13.0	13.0	10.0	10.0	10.0	10.0	10.0	10.0	7.0	7.0
60.000	000.09	60.000	30.000	60.000	8.000	8.000	8.000	8.000	000.9	000.9	000.9	000.9	11.000	11.000	11.000	11.000	11.000	154.000	48.000	48.000	120.000	120.000	9.000	9.000	50.000	50.000	63.000	63.000	40.000	40.000	47.000	47.000	47.000	47.000	24.000	24.000	12.000	12.000	24.000	24.000	24.000	24.000	24.000	24.000	7.000	7.000
No	N <sub>o</sub>	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	Yes	No	No	Yes	No	No	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	No	No	N <sub>o</sub>	No	No	N <sub>o</sub>	No	No	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	8
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	San Diego	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana														
N <sub>o</sub>	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No	No	No	No	No	N <sub>o</sub>	No	No	No																					
Concrete	Concrete	Concrete	-	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Earth	Earth	Earth	Earth	Rip-Rap	Rip-Rap	Concrete	Concrete	Concrete																			
G RECT	G RECT	G RECT	G 3-RCP/4-RCB	G RECT	G TRAP	G TRAP	G TRAP	G TRAP	L RCB	L RECT	L RCT	L RCT	RCB	RCB	RCB	RCB	RCB	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	TRAP	RECT	RECT	RECT	RECT	4-RCB	4-RCB	RECT	RECT	RECT	RECT	2-RCB	2-RCB	TRAP	TRAP	2-RCB	2-RCB	2-RCB	2-RCB	2-RCB	2-RCB	RCP	RCB
EAST GARDEN GROVE-WINTERSBURG	NEWLAND STREET STORM CHANNEL	<b>NEWLAND STREET STORM CHANNEL</b>	<b>NEWLAND STREET STORM CHANNEL</b>	NEWLAND STREET STORM CHANNEL	WEST WASHINGTON STORM DRAIN	SAN JUAN CREEK CHANNEL	WESTMINSTER CHANNEL	WESTMINSTER CHANNEL	BOLSA CHICA CHANNEL	BOLSA CHICA CHANNEL	BOLSA CHICA CHANNEL	BOLSA CHICA CHANNEL	ANAHEIM-BARBER CITY CHANNEL	Lampson Storm Drain	ROSALIA STORM CHANNEL																															
18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070301	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201
U	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	_	C	C	C	S	C	C	C	C	C	C	C	C	C	C	C	U	C	U	C	C	U	S	S	S	U	C	C	S
Concrete-Lined	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Concrete-Lined	Earth Channel	Earth Channel	Earth Channel	Earth Channel	Riprap Channel	Riprap Channel	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit																	
502	C05	C05	502	C05	C05	C05	C05	C05	C05S01	C05S01	C05S01	C05S01	C05P23	C05P23	C05P23	C05P23	C05P23	L01	C04	C04	C02	C02	C02	C02	C03	C03P05	C03S04																			
884	6395	9689	2725	6397	921	8689	925	633	3546	6400	3394	6401	6402	6403	2650	6404	6405	4276	813	7194	969	7195	726	7595	738	7596	741	7601	35	7602	747	2092	748	9092	756	7607	292	2092	764	2609	692	7610	771	7994	3482	4247

-117.99873087000	-117.99874575000	-117.99873802000	-117.99876043000	-117.99879289000	-117.99877583000	-117.99881345000	-117.99882750000	-117.99884171000	-117.99883308000	-117.99850664000	-117.99612799000	-117.99772489000	-117.99498618000	-117.99487869000	-117.99443597000	-117.99354806000	-117.99391198000	-117.99313075000	-117.99278659000	-117.99148380000	-117.99068242000	-118.02098711000	-118.02255115000	-118.02371881000		-118.02005707000										-118.09486694000	-118.09484982000	-118.09210709000	-118.09229058000	-118.08918028000	-118.08607882000	-118.08784836000	-118.08382743000	-118.08399511000	-118.08877538000	-118.08901104000
33.78096492000	33.78209098000	33.78144433000	33.78316066000	33.78536969000	33.78420828000	33.78680554000	33.78782109000	33.78829536000	33.78821732000	33.78841493000	33.78843017000	33.78841994000	33.78843737000	33.78843740000	33.78844103000	33.78845122000	33.78844676000	33.78997534000	33.79019062000	33.79020835000	33.79021147000	33.76280877000	33.76291499000	33.76310429000	33.76279079000	33.76271061000	33.76272577000	33.76270919000	33.76270720000	33.75986042000	33.76498712000	33.76253851000	33.76577863000	33.75908709000	33.75922005000	33.77489676000	33.77494757000	33.78615300000	33.78571175000	33.79122878000	33.79904022000	33.79537102000	33.80287422000	33.80266606000	33.77791518000	33.77781589000
5	276	195	503	286	260	459	280	49	∞	189	684	586	6	26	213	116	105	340	2	485	2	111	879	1427	1427	51	1181	109	109	241	945	1708	650	100	100	31	31	213	213	3310	2841	123	90	90	90	71
7.0	8.0	8.0	9.0	9.0	9.0	0.9	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	4.3	4.3	3.0	3.0	12.0	12.0	3.0	4.0	3.0	3.0	4.5	4.0	4.5	2.5	13.0	13.0	14.0	14.0	14.5	14.5	0.0	0.0	0.0	9.0	9.0	4.6	4.6
7.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	7.000	7.000	7.000	5.000	5.000	5.000	5.000	5.000	4.500	4.500	4.250	4.250	8.000	000'9	47.000	47.000	3.400	4.200	3.400	000'9	4.000	4.000	4.000	2.000	32.000	32.000	11.500	11.500	9.500	9.500	135.000	182.000	70.000	7.500	7.500	3.000	3.000
8 8	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	8 N	No	N <sub>o</sub>	N <sub>o</sub>	8	No	No															
Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana	Santa Ana										
8 8	N <sub>o</sub>	No	No	No	No	N <sub>o</sub>	No	No	N <sub>o</sub>	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	No	N <sub>o</sub>	No	No	N <sub>o</sub>	No	No	No	No	No	No	No	No	No	N <sub>o</sub>	N <sub>o</sub>	No	N <sub>o</sub>	N <sub>o</sub>	No	Yes	Yes	No	No	No	No	ar No	ar No	No	N <sub>o</sub>	No	No	No
Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Earth	Earth	Earth	Earth	Earth	Earth	Concrete/Ear	Concrete/Ear	Concrete	Concrete	Concrete	Concrete	Concrete										
RCB	RCT	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCP	RCP	RCP	RCP	RCB	RCB	RECT	RECT	RCT	RCT	RCT	RCT	RCT	RCT	RCT	RCT	TRAP	RECT	TRAP	TRAP	RCT	RCT													
ROSALIA STORM CHANNEL	CHAPMAN-BEACH STORM DRAIN	HUMBOLDT STORM CHANNEL	HUMBOLDT STORM CHANNEL	ANAHEIM-BARBER CITY CHANNEL	ANAHEIM-BARBER CITY CHANNEL	No Name	HUMBOLDT STORM CHANNEL	HUMBOLDT STORM CHANNEL	HUMBOLDT STORM CHANNEL	Milan Storm Channel	Milan Storm Channel	Milan Storm Channel	Milan Storm Channel	LOS ALAMITOS CHANNEL	MONTECITO STORM CHANNEL	MONTECITO STORM CHANNEL																														
18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201	18070201				18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106	18070106
U	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	S	C	C	C	C	C	S	S	C	C	S	C	C	C	U	C	J	J	C	C	S	S	C	C	C	S	O
Underground Conduit	Concrete-Lined	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Underground Conduit	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Earth Channel	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined	Concrete-Lined													
C03S04	C03P04	C03S02	C03S02	C03	C03	C03S02	C03S02	C03S02	C03S02	C03S01	C03S01	C03S01	C03S01	C01	C01S03	C01S03																														
9662	3277	7997		3278	7999	4219		2931	8001	8005	2932	8003	8004	8002	9008	2933	8007	3370	8008	3136	6008	2900	3241	2092	8012				8014				6		_	674	8395	089	9688	78	8397	8398	684	8399	3407	8400

33.79533627000 -118.08694174000 33.79540120000 -118.08785499000 33.83894711000 -117.96324053000 33.83971673000 -117.95946237000 33.86403754000 -117.98271112000			33.7884015/000 -117.8854943/000 33.78825548000 -117.98672441000 33.78840560000 -117.98425646000 33.7840560000 -117.9842439000 33.75185457000 -117.82245290000 33.75185457000 -117.823455000		33.91799114000 -117.95639921000 33.84654086000 -118.01111157000 33.75577827000 -117.95343823000 33.866203030000 -118.01866993000 33.65770962000 -117.72021490000
444 117 1925 1925 938	466 466 215 215 1163	1163 38 38 421 421	704 71 7 7 85 85	49 125 125 313 4088 324	840 71 635 58 2800
5.5 5.5 16.5 11.2	14.0 14.0 9.0 9.0 8.5	8.5 8.5 8.5 13.0	6.5 6.5 6.5 7.0 7.0 8.0	8.0 10.0 10.0 0.0 0.0	0.0 4.0 10.0 7.0
5.000 5.000 11.000 15.000	45.000 45.000 25.000 28.000	28.000 14.000 18.000 48.000	6.500 6.500 6.500 6.500 10.000 12.000	12.000 25.000 25.000 35.000 35.000	21.000 11.000 10.000 14.000 25.000
0 0 0 0 0 0	Yes No Yes Yes	Yes No No No	2 2 2 2 2 2 2		No No No Yes
Santa Ana Santa Ana Santa Ana Santa Ana Santa Ana	Santa Ana Santa Ana Santa Ana Santa Ana Santa Ana	Santa Ana Santa Ana Santa Ana Santa Ana Santa Ana	Santa Ana Santa Ana Santa Ana Santa Ana Santa Ana Santa Ana	Santa Ana Santa Ana Santa Ana Santa Ana Santa Ana Santa Ana	Santa Ana Santa Ana Santa Ana Santa Ana
0 0 0 0 0 0		2 2 2 2 2	0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0
Concrete Concrete Concrete Concrete	Concrete Concrete Concrete Concrete	Concrete Concrete Concrete Concrete	Concrete Concrete Concrete Concrete Concrete	Concrete Earth Earth Earth Concrete	Concrete Concrete Riprap Concrete
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Attachment C

Reg. Meas. ID: 394732 Place ID: 803226

### A. Environmental Review

On May 21, 2013, the County of Orange, as lead agency, adopted an initial study/mitigated negative declaration (IS/MND) (State Clearinghouse (SCH) No. 2012111011) for the Project and filed a Notice of Determination (NOD) at the SCH on May 22, 2013. The State Water Board is a responsible agency under CEQA (Pub. Resources Code, § 21069) and in making its determinations and findings, must presume that County of Orange adopted environmental document comports with the requirements of CEQA and is valid. (Cal. Code Regs., tit. 14, § 15231) The State Water Board has reviewed and considered the environmental document and finds that the environmental document prepared by County of Orange addresses the Project's water resource impacts. (Cal. Code Regs., tit. 14, § 15096, subd. (f).) The environmental document includes the mitigation monitoring and reporting program (MMRP) developed by County of Orange] for all mitigation measures that have been adopted for the Project to reduce potential significant impacts. (Pub. Resources Code, § 21081.6, subd. (a)(1); Cal. Code Regs., tit. 14, § 15074, subd. (d).)

### B. Incorporation by Reference

Pursuant to CEQA, these Findings of Facts (Findings) support the issuance of this Order based on the Project IS/MND, the application for this Order, and other supplemental documentation, including a Mitigation Monitoring and Reporting Program (MMRP) dated February 2013.

All CEQA project impacts, including those discussed in subsection C below, are analyzed in detail in the Project Final IS/MND which is incorporated herein by reference. The Project IS/MND is available at: 300 N. Flower Street, Santa Ana, CA.

Requirements under the purview of the State Water Board in the MMRP are incorporated herein by reference.

The Permittee's application for this Order, including all supplemental information provided, is incorporated herein by reference.

### C. Findings

The IS/MND describes the potential significant environmental effects to water resources and relies on the Water Boards to mitigate those effects. Considering the whole of the record including comments received during the public review process, the State Water Board makes the following findings:

Mitigation measures have been required in the Project which avoid or mitigate to a less than significant level the potentially significant environmental effect as described in the IS/MND.

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### D. Determination

The State Water Board has determined that the Project, when implemented in accordance with the MMRP and the conditions in this Order, will not result in any significant adverse water resource impacts. (Cal. Code Regs., tit. 14, § 15096, subd (h).) The State Water Board will file a NOD with the SCH within five (5) working days from the issuance of this Order. (Cal. Code Regs., tit. 14, § 15096, subd. (i).)



# Notice of Intent (NOI) for the State Water Board Certification of Existing Flood Control Maintenance Regional General Permit No. 100

Section 1: W	ater Quality Contr	ol Board	Applicable to this	NOI							
Santa Ana W	ater Board										
San Diego W	ater Board										
State Water	Board										
Section 2: Ap	oplicant and Projec	ct Manage	er Information								
			Applicant	:	Project Manager:						
Company/ A	gency Name:										
Name of Cor	ntact:										
Title:											
Address:											
City, State, Z	ip:										
Phone Numb	per(s):										
Email Addres	ss:										
Section 3: Fa	cility Categories A	-									
Category 1		This classification includes existing concrete-lined (concrete bed and banks) channels with sparse or no vegetation cover. Sparse means no more than 20% of the total vegetation cover within the channel can be native; for example, if total cover (both native and non-native) equals 60%, native vegetation must be less than or equal to 12%. Prior to maintenance activities, the Permittee shall mark the authorized maintenance area to identify the limits of disturbance. Vegetation must not include trees, non-native or native, over 3 inches in diameter at breast height (DBH).									
Category 2			n earthen or un-g	•	under Category 1, except they possess nk or earthen or un-grouted rip-rap						
Category 3				spects defined un f Category 1 and 2	der Category 2, except native vegetation .						
Category 4		other su sensitive the facil	itable habitat for e species. These c ity list the date of	sensitive species, hannels are not au the category 4 de	support native riparian vegetation or or adjacent to suitable habitat for uthorized under this Order. Indicate on esignation. Provide documentation of Regional Water Board(s).						

Section	4: Other Agency Permits/ Lic Provide verification of no	• -		-	ence		
Agency:	Have you applied?	If yes, have you received the permit?	Permit type:	ID	number:		
CDFW Lake or SAA	Y□ N□	Y N					
Other State Permit	s Y□N□	Y□ N□					
Local Permit(s)	Y□ N□	Y□ N□					
Section 5: Proposed Fa	•				15.		
Are there new sites on		Proposed S		Proposed E			
the master facility list	No: □	date.	p to enter a	Click or ta	p to enter a date.		
Drainet Description /D.	rpose including any required		onto poodod /-	ontinus es =	ttacked researit		
Section 6: T	emporary Impacts, Permane	nt Impacts and Co	mnensatory M	itigation Info	rmation		
	Vould your project result in t						
Yes No I	, , ,	emporary impacts	outside of the	mamicenance	e baseillie :		
yes, attacir a actane.	restoration plan.						
Total temporary impac		linear feet			_		
•	: Would your project result		-				
	r each tree proposed for rem	-			•		
Species:	Common name:	Diameter B	Breast Height:	1	dicate whether		
				the tree is	'		
				Overstory	Understory		
				Overstory Overstory	Understory Understory		
				· · · · · · · · · · · · · · · · · · ·			

<sup>&</sup>lt;sup>1</sup> The maintenance baseline is a description of the physical characteristics (e.g., depth, width, length, location, configuration or design flood capacity etc.) of a flood control project authorized under this RGP.

	Longitu de								
	Latit ude								
	303d List								
	Within Coastal Zone								
	Regional Board								
rmation	Receiving Waters Beneficial Uses								
Table 1: Facilities List and Receiving Water(s) Information	Receiving Waters								
d Receiving \	Impacted Aquatic Resource Type								
ies List an	Facility Name								
1: Facilit	呈								
Table	eCRAM Watershed ID								
	Biological Survey Date								
	acility itegory								
	Facility FID Ca								

		Linear Feet											
ıation	Fill/Excavation	Cubic Yards											
uilt Capacity Inform		Acres											
porary Impact Information and As-Built Capacity Information	Temporary Impact Dimensions		As-Built Dimensions	Temporary	Total Temporary								
Table 2: Individual Tempora	Longitude												
Tal	Latitude												
	Facility ID												

				n submitted with I umentation in com	NOI npliance with RGP XX				
Check any of the	following documents	that are a	pplicable to y	our Project and a	ttach copies to your NOI:				
☐ Facility Spread	dsheet of proposed laintenance	☐ De-wa	atering Plan		☐ Copy of Maintenance Plan submitted to Corps				
☐ Riparian trees removal	proposed for		iption of Avo ation Measur		☐ Water Quality Monitoring Plan for In-water Work				
☐ Pre-project ph	☐ Deline	•	submitted to	☐ Other agency correspondence listed					
☐ Habitat Restor		pre-distu	fied Biologist Irbance asses Species Rep		☐ Additional Project description and Site Access Information and maps.				
		Section 8	: Applicant a	nd Agent Signatur	e				
	e and authorize the pro and to furnish, upon red	-	-		t on my behalf in the processing of this rt of this notice:				
Applicant Name			Applicant Signature						
I certify that the in	•	n this form	and all atta	chments related to	this project are true and accurate to the				
Applicant Name			Applicant Signature						
Project Manager Name		Project Manager Signature							

Submit the completed Notice of Intent and attachments to the State Water Board and copies to the appropriate Regional Water Board (s).

For Internal Water Board Use						
Reviewer						
Date Received						
Reg. Measure ID						
WDID						

### **Notice of Intent Instructions for Submitting Annual Work Plan**

For authorization under the General Order for OCPW County-Wide Long-Term Routine Maintenance Facilities Regional General Permit (General Order), the Permittee is required to submit a complete Notice of Intent (NOI) form to the State Water Board and to the Regional Water Board(s) with jurisdiction where the proposed maintenance activities would occur. A map showing Regional Water Board jurisdictional boundaries is available online at <a href="https://www.waterboards.ca.gov/waterboards">https://www.waterboards.ca.gov/waterboards</a> map.html

To avoid project delays, submit the NOI as early as possible but no later than May 1. Within 30 calendar days of NOI receipt the Water Board shall determine if the NOI is complete. Within 60 calendar days of receipt of a NOI, the State Water Board will issue either a Notice of Applicability (NOA), informing the discharger that the proposed activity qualifies for authorization, or a Notice of Exclusion (NOE), which informs the discharger that the proposed activity does not qualify for General Order authorization. If a NOE or NOA is not issued by Water Board staff within 60 days of receiving a NOI, the discharger may proceed with the project according to all applicable General Order conditions.

### **Definitions**

Consider the following definitions while completing your NOI:

**Permanent aquatic resource impacts** mean permanent loss of aquatic resource area or resource function resulting from a discharge of dredged or fill material that changes an aquatic area to dry land or changes the bottom elevation or dimensions of a waterbody or changes the surface elevation or dimensions of a wetland. Permanent aquatic resource impacts are not authorized under RGP 100

**Temporary aquatic resource impacts** means impacts to aquatic resources from maintenance activities within the maintenance baseline (e.g. impacts necessary to maintain conveyance of floodwaters as designed) and impacts to aquatic resources outside of the maintenance baseline that are short-term (e.g., waters temporarily filled, excavated, or drained where the area of the impacted aquatic resource, including the original contours and uses, is typically restored to preproject conditions within one year of disturbance).

**Temporal loss i**s the loss of resource functions and values not restored within one year of project activities.

### Form Instructions

Please note, if there are more than five (5) facilities, provide a spreadsheet containing the required information. The information below is required pursuant to California Water Code section 3861(c)(3).

### **Section 1: Water Quality Control Board**

Identify each Regional Water Board in which the proposed maintenance activities will occur. NOIs must be submitted to the State Water Board and to the Regional Water Board with jurisdiction where the proposed maintenance activities would occur.

### **Section 2: Applicant and Project Manager Information**

**County Agency, Contact Name and Title:** Provide the full, legal name of the applicant or responsible party. Most commonly, the applicant is the property and/or facility owner. -If the applicant is an agency, company, corporation or other organization, a contact name (First, Middle Initial, Last) of the main representative of the company and their title must be provided. The applicant will be the entity or individual responsible for compliance with the Clean Water Act, California Water Code, applicable Water Quality Control Plans and General Order Conditions.

**Applicant Contact Information:** Telephone number, email address, and the County Agency mailing address (not the project address) including the street, city, state and zip code must be provided.

**Project Manager Company, Contact Name and Title:** The Project Manger role is to oversee the processing of the NOI and to make the day-to-day decisions regarding the NOI. It is not a requirement to have a Project Manager. If you choose to appoint a Project Manager, include their information in Section 2 of this form. If you choose to not be represented by a Project Manager, leave this section blank.

**Contact Information:** Telephone number, email address, and the mailing address (not the project address) including the street, city, state and zip code must be provided.

### **Section 3: Facility Categories**

Indicate the appropriate classification for the flood control facility that is being proposed for maintenance. Please note that this section will need to be completed for each facility that is being proposed under the NOI. Submit this information in a spreadsheet containing the columns in Section 6, Table 1 of this document.

# <u>Section 4: Other Agency Permits/ Licenses/ Agreements/ Plans/ Notices/Email</u> <u>Correspondence</u>

Provide the following information for each agency:

**Permit required:** Check yes (Y) if a permit is needed from any of the listed agencies.

If yes, have you received the final permit or authorization: If received, check yes (Y) and attach the permit or authorization? If not yet received, check no (N) and attach the permit application or notice of maintenance activities.

**Permit type:** List the type(s) of other state and/or local permits that are required.

**ID number:** If the agency issued an identification (ID) number for the project, list it here.

<u>Section 5: Proposed Facility Information - Please note that this section will need to be completed for each facility that is being proposed under the NOI. This information may be included as supplemental information attached to this form.</u>

**Facility Name:** Give the Facility Name that corresponds to one of the facilities listed in Attachment B of the General Order.

**Facility ID:** Give the Facility Identification number that corresponds with the facility name, above. Note that each facility should have a unique facility name and facility ID.

**Facility Classification/Category:** Give the channel category as described in the Order. Note that maintenance activities in Category 4 channels are not permitted under this Order. List all channels in Category 4 and the date of the category designation.

**Facility Classification/Category Determination:** Give the date of the biological survey, the name of the qualified biologist, and a brief report on the biological survey findings. This report may be provided in an additional document.

**Coordinates:** Indicate the latitude and longitude, in decimal degrees, at which the maintenance activity will take place (approximate location is acceptable).

**Project Address:** Provide the street address of the project location. If the proposed project does not have a physical street address, be as descriptive as possible in the street address line. For example, "Leisure Town Rd., 5.5 miles south of the intersection of I-80 and Leisure Town Rd".

**Routine Maintenance Timeframe:** Provide the estimated start and end dates for the proposed maintenance.

**Project Description/ Purpose:** Provide a detailed, technically accurate narrative description of the proposed routine maintenance activities, design, all activities planned to complete the design, and total impacts, including area of ground disturbance and areas of impact to all aquatic resources on the site (i.e., any and all streams, wetlands, lakes, ponds, beaches, shorelines, etc.). Note that if the U.S. Army Corps of Engineers has declined jurisdiction for any aquatic resource impacts proposed in the NOI, the Project is disqualified for this certification of the RGP, and individual Waste Discharge Requirements may be required.

**Avoidance and Minimization:** Describe steps taken to avoid impacts to waters and measures incorporated into the project design to minimize loss of, or significant adverse impacts to, beneficial uses of waters of the state, including on-site restoration of the area. For example, indicate if the planned activities have been reduced because part of the maintenance has been conducted in previous years, or if maintenance proposed results in the removal of invasive species only. Include the qualified biologist recommendations for avoidance and minimization for each site.

### <u>Section 6: Temporary Impacts, Permanent Impacts and Temporary Impact</u> <u>Mitigation Information<sup>1</sup></u>

**Temporary Impacts:** Check yes if your project results in temporary impacts to waters of the state. Provide the total temporarily impacted area in acres, to the nearest thousandths of an acre. Also state linear feet of impacts, to the nearest whole foot; this quantity must match the sum of temporary impact quantities listed in Table 2. If applicable, attach a restoration plan meeting all General Order conditions with your NOI. Please note, a restoration plan be will needed for each facility that is being proposed under the NOI that results in temporary impacts that will be restored to pre-project conditions. This information may be included as supplemental information attached to this form.

The restoration plan shall provide plans for long-term stabilization methods, planting palette of species of species native to the area and appropriate for the site, seed collection or procurement location, planning schedule and method, monitoring schedule and qualitative success criteria. Provide the following information:

**Riparian Tree Removal:** Check yes if your project results in the removal of mature riparian trees and attach a table listing tree(s) scientific name(s); common name(s); diameter(s) at breast height (DBH); and whether the removed trees are part of the riparian overstory or understory, or both.

**Permanent Impacts:** Please note, that if routine maintenance activities may result in a permanent impact, the activity is disqualified from this General Order, and an individual Water Quality Certification or Waste Discharge Requirements may be required.

Table 1: Facilities List and Receiving Water(s) Information: List each facility in Table 1.

**Facility ID:** Identify the flood control facility with a Facility ID; Facility IDs should correspond to those used in maps, other agency application materials, and Attachment B of the General Order.

**Facility Category:** Channel category as described in the General Order.

Biological Survey Date: The date the Qualified Biologist determines facility Category

**eCRAM ID:** If a California Rapid Assessment Method (CRAM) assessment has been performed at this location, provide the CRAM assessment area ID and attach the CRAM score sheet.

**Watershed ID:** The watershed ID corresponds to the name of the watershed. The names and ID are listed in Attachment B page 6 Watershed ID table.

**Water Board Hydrologic Units:** Identify the Water Board basin plan hydrologic unit (HU). Note that the Basin Plan HU is *not* the same as a U.S. Geological Survey (USGS) Hydrologic Unit

<sup>&</sup>lt;sup>1</sup> Alternative restoration sites or methods of compensatory mitigation may be proposed for temporal loss including the purchase of credits from approved mitigation banks or in-lieu fee programs.

Code (HUC). If unknown, indicate UNK and this information will be completed by Water Board staff.

**Facility Name:** Facility Name that corresponds to one of the facilities listed in Attachment B of the General Order.

**Impacted Aquatic Resource Type:** For each impact Site ID, identify the impacted aquatic resource type from the following list: Lake, Ocean, Riparian Zone, Stream Channel, Vernal Pool or Wetland. (More refined or precise resource classifications may be used in plans and related documents.)

**Receiving waters:** List the first downstream waterbody with beneficial use designation in the Water Board Basin Plan. If unknown, indicate UNK and this information will be completed by Water Board staff.

**Receiving Waters Beneficial Uses:** List the beneficial use designation. If unknown, indicate UNK and this information will be completed by Water Board staff.

Regional Board: Indicate which Water Board Region the facility is located within.

Within Coastal Zone: Is the facility within the coastal zone? Indicate Yes or No.

**303d Listing Pollutant:** List pollutants for receiving waters that have a 303d impairment designation, if the water is not listed indicate NA. If unknown, indicate UNK and this information will be completed by Water Board staff.

Latitude: Decimal degrees

Longitude: Decimal degrees

Table 2: Individual Temporary Impact Information and As-Built Capacity Information

Impact Site ID: Identify the Facility ID; Facility IDs should correspond to those used in Table 1.

Latitude and Longitude: Provide the coordinate for each facility in decimal degrees.

**Temporary Impact Dimensions:** Provide the area, length, and volume of material excavated or filled to the nearest cubic yard. When the project impacts a shoreline, record the length of shoreline impacted. When a project impacts a channel, bed, banks, or adjacent riparian area, record the length of channel impacted in the direction of flow. For polygonal projects that do not have a clear linear aspect (such as detention basins), record the distance of the longest line that can be drawn across or through the site. For activities that don't include excavation or filling (such as road grading), enter NA for cubic yards.

**As-Built Capacity Dimensions:** Provide the area and length of the facility that is being proposed for maintenance. The as-built capacity dimensions should correspond with dimensions/quantities that are indicated in Attachment B of the General Order and Engineering Drawings submitted with the NOI.

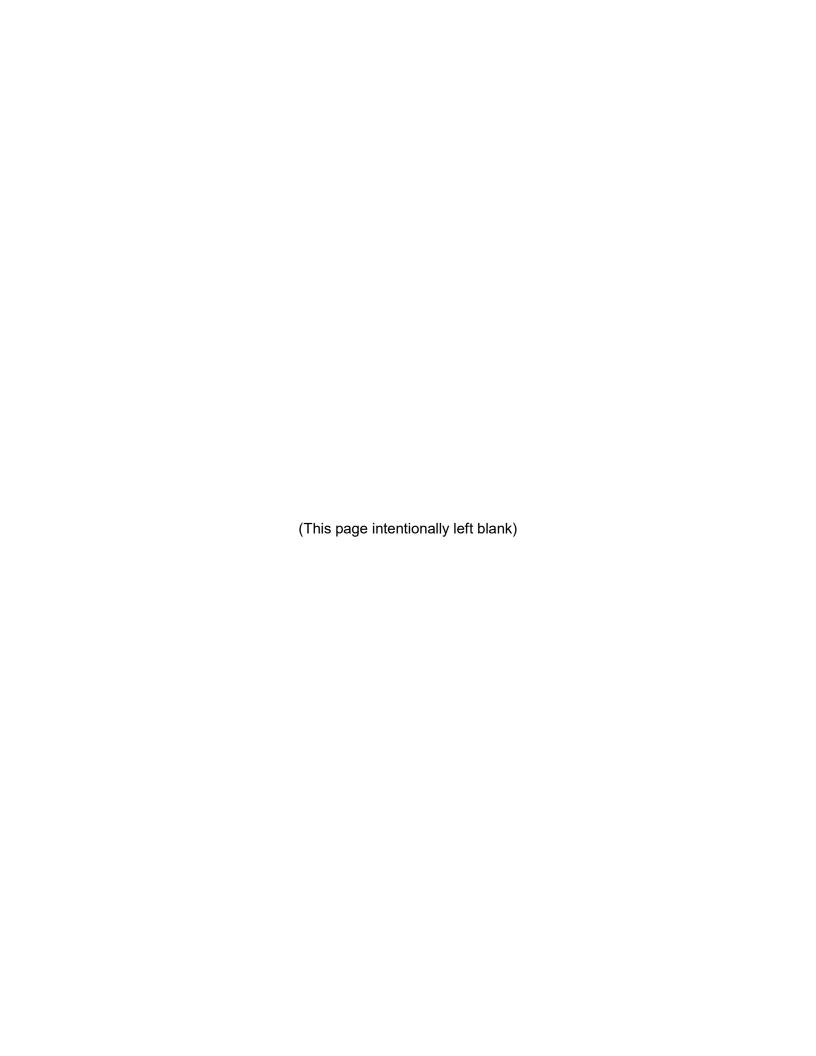
### **Section 7: Documentation**

**Attach the following documents to your NOI:** Use this checklist to confirm the necessary documentation is attached to your NOI. If you determine one of the listed items does not pertain to your project write NA in the corresponding box:

- a. Other agency correspondence (NOI Section 4)
- b. Delineation report submitted to the Corps
- c. Supplemental information for multiple facilities (NOI Section 3, 5 & 6)
- d. De-watering plan
- e. Mature riparian trees proposed for removal (NOI Section 6)
- f. Engineering drawings indicating as-built dimensions/capacity
- g. Temporary impact restoration and monitoring plan (NOI Section 6)
- h. Map(s) (NOI Section 7) Submit maps of sufficient detail to clearly illustrate all project elements, site characteristics, and impacts, with a scale of at least 1:24000 (1" = 2000'). Acceptable map formats, listed in order of preference, are:
  - i. GIS shapefiles: Shapefiles must depict the boundaries of all project areas, site characteristics, and extent of aquatic resources impacted or avoided. Each shape should be attributed with the extent/type of aquatic resources impacted. Features and boundaries should be accurate to within 33 feet (10 meters). Identify datum/projection used and if possible, provide map with a North American Datum of 1983 (NAD 83) in the California Teale Albers projection in feet
  - ii. **KML files:** Saved from on-line mapping services. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. Include URL(s) of maps. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.
  - iii. Other electronic format: (CAD or illustration format) that provides a context for location (inclusion of landmarks, known structures, geographic coordinates, or USGS DRG or DOQQ). Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. If this format is used include a table with the object ID and attributed with the extent/type of aquatic resources impacted.
  - iv. Aquatic resource maps marked on paper USGS 7.5 minute topographic maps or Digital Orthophoto Quarter Quads (DOQQ); Original or legible copies are acceptable. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.
- i. Pre-project photographs: Include a unique identifier, date stamp, written description of photo details, and latitude/longitude (in decimal degrees) or map indicating location of photo. Successive photos should be taken from the same vantage point to compare pre/post construction conditions.
- **j.** Attach additional pages as needed: For example, if the requested information does not fit in the space provided on the form, or if you would like to provide supplemental information not requested on the NOI.

### **Section 8: Applicant Signature**

Please sign and submit to the State Water Board and the appropriate Regional Boards. An original signature is required; electronic signatures are not accepted.



Reg. Meas. ID: 394732
Attachment E Place ID: 803226

### **Copies of this Form**

In order to identify your project, it is necessary to include a copy of the Project specific Cover Sheet below with your report: please retain for your records. If you need to obtain a copy of the Cover Sheet you may download a copy of this Order as follows:

- 1. Go to: http://www.waterboards.ca.gov/water issues/programs/cwa401/certifications.shtml
- 2. Find your Order in the table based on Applicant, Date, and Subject headers.

## **Report Submittal Instructions**

- 1. Check the box on the Report and Notification Cover Sheet next to the report or notification you are submitting.
  - Part A (Annual Report): This report will be submitted annually September 1 from the anniversary of Project effective date until a Notice of Project Complete Letter is issued.
  - Part B (Project Status Notifications): Used to notify the State Water Board of the status of the Project schedule that may affect Project billing.
  - Part C (Conditional Notifications and Reports): Required on a case by case basis for accidental discharges of hazardous materials, violation of compliance with water quality standards, notification of in-water work, or other reports.
- 2. Sign the Report and Notification Cover Sheet and attach all information requested for the Report Type.
- 3. Electronic Report Submittal Instructions:
  - Submit signed Report and Notification Cover Sheet and required information via email to: stateboard401@waterboards.ca.gov and cc: Catherine.Woody@waterboards.ca.gov
  - Include in the subject line of the email:
     Subject: ATTN: Catherine Woody; Reg. Measure ID: 394732\_Report

## **Definition of Reporting Terms**

- 1. <u>Active Discharge Period:</u> The active discharge period begins with the effective date of this Order and ends on the date that the Permittee receives a Notice of Completion of Discharges Letter or, if no post-construction monitoring is required, a Notice of Project Complete Letter. The Active Discharge Period includes all elements of the Project including site construction and restoration, and any Permittee responsible compensatory mitigation construction.
- 2. Request for Notice of Completion of Discharges Letter: This request by the Permittee to the State Water Board staff pertains to projects that have post construction monitoring requirements, e.g. if site restoration was required to be monitored for 5 years following construction. State Water Board staff will review the request and send a Completion of Discharges Letter to the Permittee upon approval. This letter

Reg. Meas. ID: 394732
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will initiate the post-discharge monitoring period and a change in fees from the annual active discharge fee to the annual post-discharge monitoring fee.

- 3. Request for Notice of Project Complete Letter: This request by the Permittee to the State Water Board staff pertains to projects that either have completed post-construction monitoring and achieved performance standards or have no post-construction monitoring requirements, and no further Project activities are planned. State Water Board staff will review the request and send a Project Complete Letter to the Permittee upon approval. Termination of annual invoicing of fees will correspond with the date of this letter.
- 4. <u>Post-Discharge Monitoring Period</u>: The post-discharge monitoring period begins on the date of the Notice of Completion of Discharges Letter and ends on the date of the Notice of Project Complete Letter issued by the State Water Board staff. The Post-Discharge Monitoring Period includes continued water quality monitoring or compensatory mitigation monitoring.
- **5. Effective Date:** Date of Order issuance.

### **Map/Photo Documentation Information**

When submitting maps or photos, please use the following formats.

### 1. Map Format Information:

Preferred map formats of at least 1:24000 (1" = 2000') detail (listed in order of preference):

- **GIS shapefiles**: The shapefiles must depict the boundaries of all project areas and extent of aquatic resources impacted. Each shape should be attributed with the extent/type of aquatic resources impacted. Features and boundaries should be accurate to within 33 feet (10 meters). Identify datum/projection used and if possible, provide map with a North American Datum of 1983 (NAD38) in the California Teale Albers projection in feet.
- Google KML files saved from Google Maps: My Maps or Google Earth Pro. Maps must show the
  boundaries of all project areas and extent/type of aquatic resources impacted. Include URL(s) of maps.
  If this format is used include a spreadsheet with the object ID and attributed with the extent/type of
  aquatic resources impacted.
- Other electronic format (CAD or illustration format) that provides a context for location (inclusion of landmarks, known structures, geographic coordinates, or USGS DRG or DOQQ). Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.
- Aquatic resource maps marked on paper USGS 7.5 minute topographic maps or Digital Orthophoto
  Quarter Quads (DOQQ) printouts. Maps must show the boundaries of all project areas and extent/type
  of aquatic resources impacted. If this format is used include a spreadsheet with the object ID and
  attributed with the extent/type of aquatic resources impacted.
- 2. <u>Photo-Documentation:</u> Include a unique identifier, date stamp, written description of photo details, and latitude/longitude (in decimal degrees) or map indicating location of photo. Successive photos should be taken from the same vantage point to compare pre/post construction conditions.

Attachment E

Reg. Meas. ID: 394732 Place ID: 803226

# REPORT AND NOTIFICATION COVER SHEET

Orange County Public Works (OCPW) County-Wide Long Term Routine Project:

Maintenance Program RGP 100

County of Orange, Department of Public Works Permittee:

Reg. Meas. ID: 394732 **Place ID:** 803226

**Order Effective Date:** Click here to enter a date

	Report Type Submitted
	Part A – Project Reporting
Report Type 1	☐ Annual Monitoring Report
	Part B - Project Status Notifications
Report Type 2	□ Commencement of Construction
Report Type 3	☐ Request for Notice of Completion of Discharges Letter
Report Type 4	☐ Request for Notice of Project Complete Letter
	Part C - Conditional Notifications and Reports
Report Type 5	☐ Accidental Discharge of Hazardous Material Report
Report Type 6	☐ Violation of Compliance with Water Quality Standards Report
Report Type 7	☐ In-Water Work/Diversions Water Quality Monitoring Report
Report Type 8	☐ Modifications to Project Report
Report Type 9	☐ Transfer of Property Ownership Report
Report Type 10	☐ Transfer of Long-Term BMP Maintenance Report

Attachment E

Reg. Meas. ID: 394732 Place ID: 803226

"I certify under penalty of law that I have personally exa in this document and all attachments and that, based or responsible for obtaining the information, I believe that t aware that there are significant penalties for submitting imprisonment."	n my inquiry of those individuals immediately the information is true, accurate, and complete. I am
Print Name <sup>1</sup>	Affiliation and Job Title
Signature	Date
<sup>1</sup> STATEMENT OF AUTHORIZATION (include i application was submitted)  I hereby authorize to a submittal of this report, and to furnish upon requisibmittal.	act in my behalf as my representative in the
Permittee's Signature	Date
*This Report and Notification Cover Sheet must b representative and included with all written subm	

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# Part A – Project Reporting

Report Type 1	Annual Monitoring Report
Report Purpose	Notify the State Water Board staff of Project status during both the active discharge and post-discharge monitoring periods.
When to Submit	Annual reports shall be submitted each year on September 1. Annual reports shall continue until a Notice of Project Complete Letter is issued to the Permittee.
Report Contents	<ul> <li>Mitigation, maintenance, and monitoring reporting for each temporary impact shall include but is not limited to the following:</li> <li>Identify specific site boundaries and time period for which the monitoring report is applicable for each site;</li> <li>The list of names, titles, and employers of all persons who prepared the content of the annual report and participated in monitoring activities;</li> <li>Compiled data, summary statistics and graphs;</li> <li>Survival, % cover, and height of both tree and shrub species;</li> <li>Methods used to assess these parameters;</li> <li>Number by species of plants replaced;</li> <li>Progress photographs taken from the same vantage point as baseline photographs; and</li> <li>Detailed remedial maintenance to be performed.</li> </ul>
	Annual Report Topics
Annual Report Topic 1	Mitigation for Temporary Impacts Status
When to Submit	With the annual report during both the Active Discharge Period and Post- Discharge Monitoring Period.
Report Contents	<ol> <li>Planned date of initiation and map showing locations of mitigation for temporary impacts to waters of the state and all upland areas of temporary disturbance which could result in a discharge to waters of the state.</li> <li>If mitigation for temporary impacts has already commenced, provide a map and information concerning attainment of performance standards contained</li> </ol>
	in the restoration plan.

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# Part B – Project Status Notifications

Report Type 5	Request for Notice of Project Complete Letter
Report Purpose	Notify State Water Board staff that construction and/or any post-construction monitoring is complete, or is not required, and no further Project activity is planned.
When to Submit	Must be received by State Water Board staff within thirty (30) days following completion of all Project activities.
Report Contents	<ol> <li>Part A: Mitigation for Temporary Impacts</li> <li>A report establishing that the performance standards outlined in the restoration plan have been met for Project site upland areas of temporary disturbance which could result in a discharge to waters of the state.</li> <li>A report establishing that the performance standards outlined in the restoration plan have been met for restored areas of temporary impacts to waters of the state. Pre- and post-photo documentation of all restoration sites.</li> </ol>
	3. Report status and functionality of all post-construction BMPs.

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# Part C – Conditional Notifications and Reports

Report Type 6	Accidental Discharge of Hazardous Material Report
Report Purpose	Notifies State Water Board staff that an accidental discharge of hazardous material has occurred.
When to Submit	Within five (5) working days following the date of an accidental discharge.  Continue reporting as required by State Water Board staff.
Report Contents	<ol> <li>The report shall include the OES Incident/Assessment Form, a full description and map of the accidental discharge incident (i.e. location, time and date, source, discharge constituent and quantity, aerial extent, and photo documentation). If applicable, the OES Written Follow-Up Report may be substituted.</li> <li>If applicable, any required sampling data, a full description of the sampling methods including frequency/dates and times of sampling, equipment, locations of sampling sites.</li> <li>Locations and construction specifications of any barriers, including silt curtains or diverting structures, and any associated trenching or anchoring.</li> </ol>

Report Type 7	Violation of Compliance with Water Quality Standards Report
Report Purpose	Notifies State Water Board staff that a violation of compliance with water quality standards has occurred.
When to Submit	The Permittee shall report any event that causes a violation of water quality standards within three (3) working days of the noncompliance event notification to State Water Board staff.
Report Contents	The report shall include: the cause; the location shown on a map; and the period of the noncompliance including exact dates and times. If the noncompliance has not been corrected, include: the anticipated time it is expected to continue; the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance; and any monitoring results if required by State Water Board staff.

Report Type 8	In-Water Work and Diversions Water Quality Monitoring Report
Report Purpose	Notifies State Water Board staff of the completion of in-water work.
When to Submit	Within three (3) working days following the completion of in-water work.  Continue reporting in accordance with the approved water quality monitoring plan.
Report Contents	As required by the approved water quality monitoring plan.

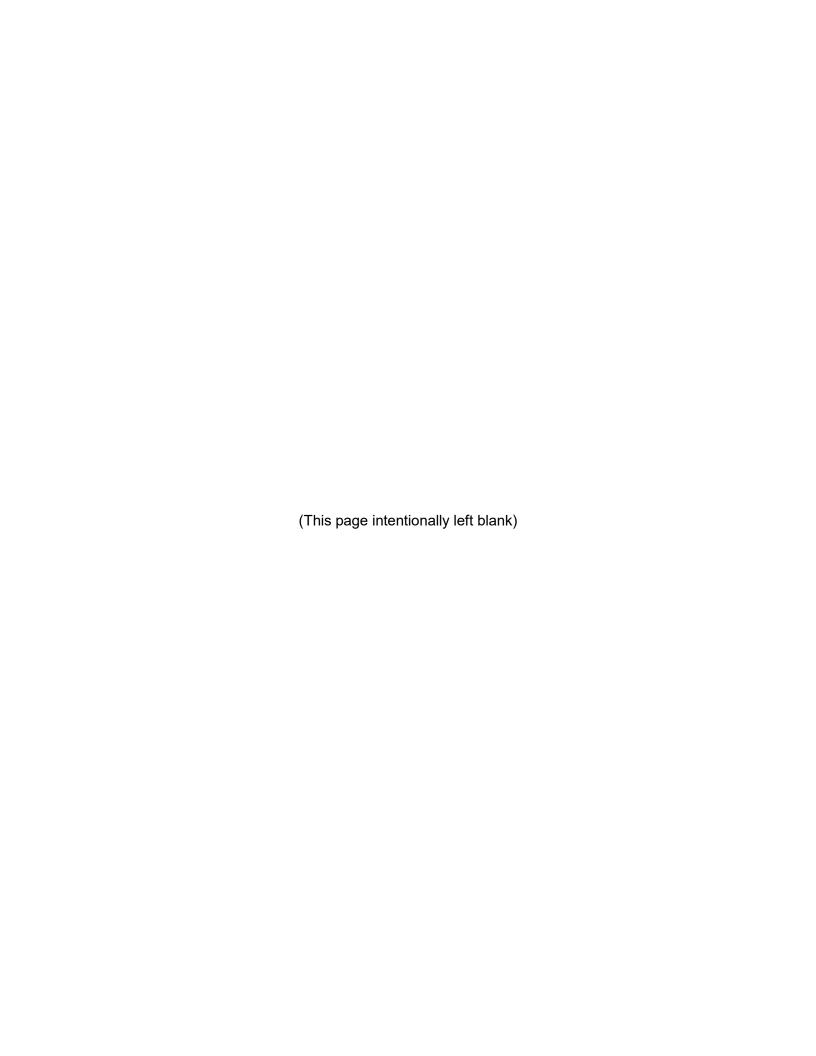
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Report Type 9	Modifications to Project Report
Report Purpose	Notifies State Water Board staff if the Project, as described in the application materials, is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority.
When to Submit	If Project implementation as described in the application materials is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority.
Report Contents	A description and location of any alterations to Project implementation.  Identification of any Project modifications that will interfere with the Permittee's compliance with the Order.

Report Type 10	Transfer of Property Ownership Report
Report Purpose	Notifies State Water Board staff of change in ownership of the Project or Permittee-responsible mitigation area.
When to Submit	At least 10 working days prior to the transfer of ownership.
Report Contents	<ol> <li>A statement that the Permittee has provided the purchaser with a copy of this Order and that the purchaser understands and accepts:         <ul> <li>a. the Order's requirements and the obligation to implement them or be subject to administrative and/or civil liability for failure to do so; and</li> <li>b. responsibility for compliance with any long-term BMP¹ maintenance plan requirements in this Order.</li> </ul> </li> <li>A statement that the Permittee has informed the purchaser to submit a written request to the State Water Board to be named as the permittee in a revised order.</li> </ol>

Report Type 11	Transfer of Long-Term BMP Maintenance Report
Report Purpose	Notifies State Water Board staff of transfer of long-term BMP maintenance responsibility.
When to Submit	At least 10 working days prior to the transfer of BMP maintenance responsibility.
Report Contents	A copy of the legal document transferring maintenance responsibility of post-construction BMPs.

<sup>1</sup> Best Management Practices (BMPs) is a term used to describe a type of water pollution or environmental control.



OCPW County-Wide Long Term Routine Maintenance Program RGP 100

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Attachment F

### **Certification Deviation Procedures**

### Introduction

These procedures are put into place to preclude the need for Order amendments for minor changes in the Project routing or location. Minor changes or modifications in project activities are often required by the Permittee following start of construction. These deviations may potentially increase or decrease impacts to waters of the state. In such cases, a Certification Deviation, as defined in Section XIII – K of the Order, may be requested by the Permittee as set forth below:

## **Process Steps**

Who may apply: The Permittee or the Permittee's duly authorized representative or agent (hereinafter, "Permittee") for this Order.

How to apply: By letter or email to the 401 staff designated as the contact for this Order.

<u>Certification Deviation Request:</u> The Permittee will request verification from the State Water Board staff that the project change qualifies as a Certification Deviation, as opposed to requiring an amendment to the Order. The request should:

- 1. Describe the Project change or modification:
  - a. Proposed activity description and purpose;
  - b. Why the proposed activity is considered minor in terms of impacts to waters of the state and the environment;
  - c. How the Project activity is currently addressed in the Order; and,
  - d. Why a Certification Deviation is necessary for the Project.
- 2. Describe location (latitude/longitude coordinates), the date(s) it will occur, as well as associated impact information (i.e., temporary or permanent, federal or non-federal jurisdiction, water body name/type, estimated impact area, etc.) and minimization measures to be implemented.
- 3. Provide all updated environmental survey information for the new impact area.
- 4. Provide a map that includes the activity boundaries with photos of the site.
- 5. Provide verification of any mitigation needed according to the Order conditions.
- 6. Provide verification from the CEQA Lead Agency that the proposed changes or modifications do not trigger the need for a subsequent environmental document, an addendum to the environmental document, or a supplemental EIR. (Cal. Code Regs., tit. 14, §§ 15162-15164.)

<u>Action by State Water Board on Request</u>: State Water Board staff will make a determination on the Certification Deviation request within 10 working days from receipt of a complete request and notify the Permittee via email of the staff determination. Determination of whether a Certification Deviation request is complete is at the discretion of State Water Board staff.

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## Post-Discharge Certification Deviation Reporting:

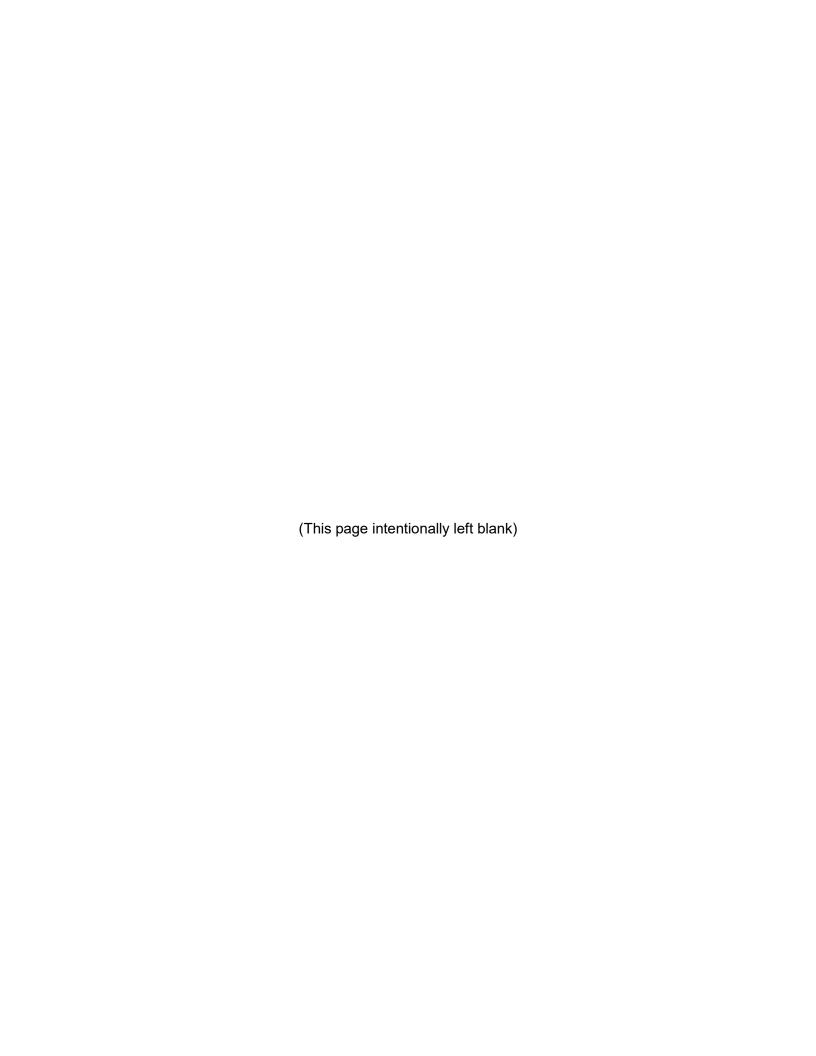
- 1. Within 30 calendar days of completing the approved Certification Deviation activity, the Permittee will provide a post-discharge activity report that includes the following information:
  - a. Activity description and purpose;
  - b. Activity location, start date, and completion date;
  - c. Erosion control and pollution prevention measures applied;
  - d. The net change in impact area by water body type(s) in acres, linear feet and cubic yards;
  - e. Mitigation plan, if applicable; and,
  - f. Map of activity location and boundaries; post-construction photos.

Action by Water Board on Post-Discharge Activity Report: State Water Board staff will review the post-discharge Certification Deviation Report within 15 working days from receipt of a complete report. State Water Board staff will determine, in consultation with the Permittee and other regulatory agencies, if applicable, whether additional mitigation will be required. If additional mitigation is required, State Water Board staff will inform the Permittee within the 15-day review period. Determination of whether a post-discharge activity report is complete is at the discretion of State Water Board staff.

## **Annual Summary Deviation Report:**

- 1. Until a Notice of Completion of Discharges Letter or Notice of Project Complete Letter is issued, include in the Annual Project Report (see Construction Notification and Reporting attachment) a compilation of all Certification Deviation activities through the reporting period with the following information:
  - a. Site name(s).
  - b. Date(s) of Certification Deviation approval.
  - c. Location(s) of authorized activities.
  - d. Impact area(s) by water body type prior to activity in acres, linear feet and cubic yards, as originally authorized in the Order.
  - e. Actual impact area(s) by water body type in, acres, linear feet and cubic yards, due to Certification Deviation activity(ies).
  - f. The net change in impact area by water body type(s) in acres, linear feet and cubic yards;
  - g. Mitigation to be provided (approved mitigation ratio and amount).

Action by State Water Board on Annual Certification Deviation Report: Following issuance of a Notice of Completion of Discharges Letter or Notice of Project Complete Letter, the State Water Board will amend the Order to reflect all approved Certification Deviations and the amended Order will serve as a record of actual Project activities.



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#### SIGNATORY REQUIREMENTS

All Documents Submitted In Compliance With This Order Shall Meet The Following Signatory Requirements:

- 1. All applications, reports, or information submitted to the State Water Resources Control Board (State Water Board) must be signed and certified as follows:
  - a) For a corporation, by a responsible corporate officer of at least the level of vice-president.
  - b) For a partnership or sole proprietorship, by a general partner or proprietor, respectively.
  - c) For a municipality, or a state, federal, or other public agency, by either a principal executive officer or ranking elected official.
- 2. A duly authorized representative of a person designated in items 1.a through 1.c above may sign documents if:
  - a) The authorization is made in writing by a person described in items 1.a through 1.c above.
  - b) The authorization specifies either an individual or position having responsibility for the overall operation of the regulated activity.
  - c) The written authorization is submitted to the State Water Board Staff Contact prior to submitting any documents listed in item 1 above.
- 3. Any person signing a document under this section shall make the following certification:

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