

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN DIEGO REGION**

2375 Northside Drive, Suite.100, San Diego, CA 92108  
Phone (619) 516-1990 • Fax (619) 516-1994  
<http://www.waterboards.ca.gov/sandiego/>

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

---

**PROJECT: Routine Maintenance of Storm Water Facility Maps  
36 & 37 (Mission Bay High School and Pacific Beach  
Dr./Olney St. Channels)  
Certification Number R9-2014-0077  
WDID: 9000002733**

Reg. Meas. ID: 397243 Place ID: 807678 Party ID: 547569 Person ID: 547570
------------------------------------------------------------------------------------

**APPLICANT: City of San Diego  
Transportation and Storm Water Department  
2781 Caminito Chollas, MS 44  
San Diego, CA 92108**

**ACTION:**

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

**PROJECT DESCRIPTION**

An application dated July 9, 2014 was submitted by City of San Diego (hereinafter Applicant), for Water Quality Certification pursuant to section 401 of the Clean Water Act (33 U.S.C. § 1341) for the proposed Storm Water Facilities Maps 36 and 37, Mission Bay High School and Pacific Beach Dr./Olney St. Channels, Project (Project). The California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) deemed the application to be complete on August 7, 2014. The Applicant proposes to discharge dredged or fill material to waters of the United States and/or State associated with construction activity at the Project sites. The Applicant has also applied for a Clean Water Act section 404 permit from the United States Army Corps of Engineers for the Project (USACE File No. SPL-2014-00417-MBS).

The Project is located within the Pacific Beach area of the City of San Diego, in San Diego County, California at the intersection of Quincy Street and Thomas Avenue along the western boundary of Mission Bay High School and along Pacific Beach Drive west of Olney Street. The Project center reading is located at latitude 32.7841139 and longitude 117.1148167. The Applicant has paid all required fees for this Certification in the amount of \$24,889.00. On July 15, 2014, the San Diego Water Board provided public notice of the Project application pursuant to California Code of Regulations, title 23, section 3858 by posting information describing the Project on the San Diego Water Board's web site and providing a period of twenty-one days for public review and comment. No comments were received.

The Applicant is proposing to maintain the Mission Bay High School, Map 36 (MBHS) and Pacific Beach Dr./Olney St., Map 37 (PBO) channels through periodic removal of trash, debris, vegetation, and accumulated sediment. The ongoing maintenance will restore the channel to its original design flow capacity and provide flood protection to the adjacent homes, roadways, and school property. The maximum cubic yards (CY) of material that is allowed to be removed from both channels is 400 CY annually.

The MBHS channel is a concrete-lined, trapezoidal channel that is 1,075 linear feet (LF) in length, 10 ft. wide at the top and 4 ft. wide at the bottom, and 5 to 6 feet deep. The channel contains 0.5 to 1.0 feet of accumulated sediment and freshwater marsh vegetation.

The PBO channel is an earthen channel that is 897 LF in length, 20 to 26 feet wide at the top and 3 to 5 feet wide at the bottom, and 5 to 6 feet deep. The channel contains 0.5 to 1 feet of sediment beyond the design build of the channel and freshwater marsh vegetation. Low flows are conveyed into the Mission Bay Sewage Interceptor System located at the terminus of the PBO channel just upstream of Mission Bay. The low flow interceptor directs non-storm water discharges to the sewer system.

The Applicant will use a Vactor truck to remove standing water in the channel and then position a Vactor truck at the upstream and downstream ends to capture any incoming and outgoing flows. The Applicant will install a temporary sand bag berm at the downstream end of both MBHS and PBO when conducting work in these channels. The Applicant will remove temporary BMPs and suspend all channel excavation maintenance activities in the event of forecasted wet weather, as indicated in the City of San Diego's *Water Pollution Control Plan for Mission Bay High School and Pacific Beach Drive/Olney Channels Maintenance Project*, Weather Triggered Action Plan section, dated May 30, 2014.

Maintenance work includes mechanized removal of sediment and vegetation using heavy equipment, including equipment that is equivalent to, or smaller in size/type than, the following equipment items: gradall, excavator, skid steer, dump trucks, backhoe, street sweeper, and vactor trucks. Maintenance work will remove excavated materials from approximately 1,972 LF of MBHS and PBO channels. One equipment access point and loading area (MB1) will be utilized for the maintenance activities at MBHS. One equipment access point (PB1) and several loading areas (PB1 and PB2), located along the length of the PBO Project area, will be utilized for the maintenance activities at PBO (Attachment 3, Project Figures).

The Project's maintenance activities will not include any modification that changes the character, scope, or size of the original design of the two channels. The maintenance activities will not increase the conveyance capacity of either facility beyond its as-built condition. The routine maintenance activities will not substantially affect aquatic resource functions and services.

The Project application includes a description of the design objective, operation, and degree of treatment expected to be attained from equipment, facilities, or activities (including construction BMPs) to treat waste and reduce runoff or other effluents which may be discharged. Compliance with the Certification conditions will help ensure that construction and

post-construction discharges from the Project will not cause on-site or off-site downstream erosion, damage to downstream properties, or otherwise damage stream habitats in violation of water quality standards in the *Water Quality Control Plan for the San Diego Basin (9)* (Basin Plan).

Project maintenance activities will impact 0.31 acre (1,972 LF) of freshwater marsh waters of the United States and/or State. The Applicant reports that the Project purpose cannot be practically accomplished in a manner which would avoid or result in less adverse impacts to aquatic resources considering all potential practicable alternatives, such as the potential for alternate available locations, designs, reductions in size, configuration or density.

Compensatory mitigation for impacts to 0.31 acre of jurisdictional waters will be achieved through the establishment of 0.18 acre and enhancement of 0.31 acre of waters of the United States and/or State. All waters of the United States and/or State receiving temporary discharges of fill material will be restored upon removal of the fill. Mitigation for impacts to waters of the United States and/or State will be completed by the Applicant at the El Cuervo Del Sur Mitigation Site (establishment) and the Los Peñasquitos Canyon Preserve (enhancement) located in the Peñasquitos Hydrologic Unit (HU 906) in the Los Peñasquitos Canyon Preserve at a minimum compensation ratio of 1:1 (area mitigated: area impacted) for impacts to freshwater marsh within the concrete lined channel and a minimum compensation ratio of 2:1 for the impacts to freshwater marsh within the soft bottom channel.

Detailed written specifications and work descriptions for the compensatory mitigation project including, but not limited to, the geographic boundaries of the project, timing, sequence, monitoring, maintenance, ecological success performance standards and provisions for long-term management and protection of the mitigation areas are described in the *Final El Cuervo Del Sur Wetland Habitat Mitigation and Monitoring Plan, February 25, 2015* and *Final Los Peñasquitos Canyon Preserve Conceptual Wetland Enhancement Plan, February 27, 2015* (hereinafter referred to collectively as the Mitigation Plans). San Diego Water Board acceptance of the Mitigation Plans applies only to the Project described in this Certification and must not be construed as approval for other current or future projects that are planning to use additional acreage at the site for mitigation. The Mitigation Plans are incorporated in this Certification by reference as if set forth herein. The Mitigation Plans provide for implementation of compensatory mitigation which offsets adverse water quality impacts attributed to the Project in a manner that protects and restores the abundance, types and conditions of aquatic resources and supports their beneficial uses. Implementation of the Mitigation Plans will reduce significant environmental impacts to resources within the San Diego Water Board's purview to a less than significant level. Based on all of these considerations, the Mitigation Plans will adequately compensate for the loss of beneficial uses and habitat within waters of the United States and/or State attributable to the Project.

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

## TABLE OF CONTENTS

<b>I.</b>	<b>STANDARD CONDITIONS .....</b>	<b>5</b>
<b>II.</b>	<b>GENERAL CONDITIONS.....</b>	<b>5</b>
<b>III.</b>	<b>CONSTRUCTION BEST MANAGEMENT PRACTICES.....</b>	<b>8</b>
<b>IV.</b>	<b>PROJECT IMPACTS AND COMPENSATORY MITIGATION .....</b>	<b>10</b>
<b>V.</b>	<b>MONITORING AND REPORTING REQUIREMENTS.....</b>	<b>12</b>
<b>VI.</b>	<b>NOTIFICATION REQUIREMENTS .....</b>	<b>15</b>
<b>VII.</b>	<b>CALIFORNIA ENVIRONMENTAL QUALITY ACT COMPLIANCE .....</b>	<b>17</b>
<b>VIII.</b>	<b>SAN DIEGO WATER BOARD CONTACT PERSON.....</b>	<b>18</b>
<b>IX.</b>	<b>WATER QUALITY CERTIFICATION .....</b>	<b>18</b>

### Attachments:

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

## I. STANDARD CONDITIONS

Pursuant to section 3860 of title 23 of the California Code of Regulations, the following three standard conditions apply to all water quality certification actions:

- A. This Certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to section 13330 of the Water Code and chapter 28, article 6 (commencing with title 23, section 3867), of the California Code of Regulations.
- B. This Certification action is not intended and shall not be construed to apply to any discharge from any activity involving a hydroelectric facility and requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent Certification application was filed pursuant to California Code of Regulations title 23, section 3855 subdivision (b), and that application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
- C. This Certification action is conditioned upon total payment of any fee required under title 23, chapter 28 (commencing with section 3830) of California Code of Regulations and owed by the applicant.

## II. GENERAL CONDITIONS

- A. **Term of Certification.** Water Quality Certification No. R9-2014-0077 (Certification) shall expire upon a) the expiration or retraction of the Clean Water Act section 404 (33 U.S.C. §1344) permit issued by the U.S. Army Corps of Engineers for this Project, or b) five (5) years from the date of issuance of this Certification, whichever occurs first.
- B. **Duty to Comply.** The Applicant must comply with all conditions and requirements of this Certification. Any Certification noncompliance constitutes a violation of the Water Code and is grounds for enforcement action or Certification termination, revocation and reissuance, or modification.
- C. **General Waste Discharge Requirements.** The requirements of this Certification are enforceable through Water Quality Order No. 2003-0017-DWQ, *Statewide General Waste Discharge Requirements for Discharges of Dredged or Fill Material that have Received State Water Quality Certification* (Water Quality Order No. 2003-0017-DWQ). This provision shall apply irrespective of whether a) the federal permit for which the Certification was obtained is subsequently retracted or is expired, or b) the Certification is expired. Water Quality Order No. 2003-0017-DWQ is accessible at:

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

- D. Project Conformance with Application.** All water quality protection measures and BMPs described in the application and supplemental information for water quality certification are incorporated by reference into this Certification as if fully stated herein. Notwithstanding any more specific conditions in this Certification, the Applicant shall construct, implement and comply with all water quality protection measures and BMPs described in the application and supplemental information. The conditions within this Certification shall supersede conflicting provisions within the application and supplemental information submitted as part of this Certification action.
- E. Project Conformance with Water Quality Control Plans or Policies.** Notwithstanding any more specific conditions in this Certification, the Project shall be constructed in a manner consistent with the Basin Plan and any other applicable water quality control plans or policies adopted or approved pursuant to the Porter Cologne Water Quality Act (Division 7, commencing with Water Code Section 13000) or section 303 of the Clean Water Act (33 U.S.C §1313.) The Basin Plan is accessible at:  
  
[http://www.waterboards.ca.gov/sandiego/water\\_issues/programs/basin\\_plan/index.shtml](http://www.waterboards.ca.gov/sandiego/water_issues/programs/basin_plan/index.shtml)
- F. Project Modification.** The Applicant must submit any changes to the Project, including Project operation, which would have a significant or material effect on the findings, conclusions, or conditions of this Certification, to the San Diego Water Board for prior review and written approval. If the San Diego Water Board is not notified of a significant change to the Project, it will be considered a violation of this Certification.
- G. Certification Distribution Posting.** During Project construction, the Applicant must maintain a copy of this Certification at the Project site. This Certification must be available at all times to site personnel and agencies. A copy of this Certification shall also be provided to any contractor or subcontractor performing construction work, and the copy shall remain in their possession at the Project site.
- H. Inspection and Entry.** The Applicant must allow the San Diego Water Board or the State Water Resources Control Board, and/or their authorized representative(s) (including an authorized contractor acting as their representative), upon the presentation of credentials and other documents as may be required under law, to:
1. Enter upon the Project or Compensatory Mitigation site(s) premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Certification;
  2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Certification;
  3. Inspect, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Certification; and

4. Sample or monitor, at reasonable times, for the purposes of assuring Certification compliance, or as otherwise authorized by the Clean Water Act or Water Code, any substances or parameters at any location.
- I. **Enforcement Notification.** In the event of any violation or threatened violation of the conditions of this Certification, the violation or threatened violation shall be subject to any remedies, penalties, process or sanctions as provided for under State law. For purposes of section 401(d) of the Clean Water Act, the applicability of any State law authorizing remedies, penalties, process or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this Certification.
  - J. **Certification Actions.** This Certification may be modified, revoked and reissued, or terminated for cause including but not limited to the following:
    1. Violation of any term or condition of this Certification;
    2. Monitoring results indicate that continued Project activities could violate water quality objectives or impair the beneficial uses of Mission Bay or its tributaries;
    3. Obtaining this Certification by misrepresentation or failure to disclose fully all relevant facts;
    4. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge; and
    5. Incorporation of any new or revised water quality standards and implementation plans adopted or approved pursuant to the Porter-Cologne Water Quality Control Act or section 303 of the Clean Water Act.
- The filing of a request by the Applicant for modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any Certification condition.
- K. **Duty to Provide Information.** The Applicant shall furnish to the San Diego Water Board, within a reasonable time, any information which the San Diego Water Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Certification or to determine compliance with this Certification.
  - L. **Property Rights.** This Certification does not convey any property rights of any sort, or any exclusive privilege.
  - M. **Petitions.** Any person aggrieved by this action of the San Diego Water Board may petition the State Water Resources Control Board (State Water Board) to review the action in accordance with the California Code of Regulations, title 23, sections 3867 and following. The State Water Board must receive the petition by 5:00 p.m., 30 days after the date of this Certification. Copies of the law and regulations applicable to filing

petitions may be found on the Internet at:  
[http://www.waterboards.ca.gov/public\\_notices/petitions/water\\_quality](http://www.waterboards.ca.gov/public_notices/petitions/water_quality) or will be provided upon request.

### III. CONSTRUCTION BEST MANAGEMENT PRACTICES

- A. **Approvals to Commence Construction.** The Applicant shall not commence Project construction until all necessary federal, State, and local approvals are obtained.
- B. **Personnel Education.** Prior to the start of the Project, and annually thereafter, the Applicant must educate all personnel on the requirements in this Certification, pollution prevention measures, spill response measures, and BMP implementation and maintenance measures.
- C. **Spill Containment Materials.** The Applicant must, at all times, maintain appropriate types and sufficient quantities of materials on-site to contain any spill or inadvertent release of materials that may cause a condition of pollution or nuisance if the materials reach waters of the United States and/or State.
- D. **Water Pollution Control Plan.** The Project must be designed to comply with the City of San Diego's *Water Pollution Control Plan for Mission Bay High School and Pacific Beach Drive/Olney Channels Maintenance Project*, dated May 30, 2014, prepared by the City of San Diego.
- E. **General Construction Storm Water Permit.** Prior to start of Project construction, the Applicant must, as applicable, obtain coverage under, and comply with, the requirements of State Water Resources Control Board Water Quality Order No. 2009-0009-DWQ, the *General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activity*, (General Construction Storm Water Permit) and any reissuance. If Project construction activities do not require coverage under the General Construction Storm Water Permit, the Applicant must develop and implement a runoff management plan (or equivalent construction BMP plan) to prevent the discharge of sediment and other pollutants during construction activities.
- F. **Waste Management.** The Applicant must properly manage, store, treat, and dispose of wastes in accordance with applicable federal, state, and local laws and regulations. Waste management shall be implemented to avoid or minimize exposure of wastes to precipitation or storm water runoff. The storage, handling, treatment, or disposal of waste shall not create conditions of pollution, contamination or nuisance as defined in Water Code section 13050. Upon Project completion, all Project generated debris, building materials, excess material, waste, and trash shall be removed from the Project site(s) for disposal at an authorized landfill or other disposal site in compliance with federal, state and local laws and regulations.
- G. **Waste Management.** Except for a discharge permitted under this Certification, the dumping, deposition, or discharge of trash, rubbish, unset cement or asphalt, concrete,



grout, damaged concrete or asphalt, concrete or asphalt spoils, wash water, organic or earthen material, steel, sawdust or other construction debris waste from Project activities directly into waters of the United States and or State, or adjacent to such waters in any manner which may permit its being transported into the waters, is prohibited.

- H. **Downstream Erosion.** Discharges of concentrated flow during construction or after Project completion must not cause downstream erosion or damage to properties or stream habitat.
- I. **Construction Equipment.** All equipment must be washed prior to transport to the Project site and must be free of sediment, debris, and foreign matter. All equipment used in direct contact with surface water shall be steam cleaned prior to use. All equipment using gas, oil, hydraulic fluid, or other petroleum products shall be inspected for leaks prior to use and shall be monitored for leakage. Stationary equipment (e.g., motors, pumps, generator, etc.) shall be positioned over drip pans or other types of containment.
- J. **Process Water.** Water containing mud, silt, or other pollutants from equipment washing or other activities, must not be discharged to waters of the United States and/or State or placed in locations that may be subjected to storm water runoff flows. Pollutants discharged to areas within a stream diversion must be removed at the end of each work day or sooner if rain is predicted.
- K. **Surface Water Diversion.** All surface waters, including ponded waters, must be diverted away from areas of active grading, construction, excavation, vegetation removal, and/or any other activity which may result in a discharge to the receiving water. Diversion activities must not result in the degradation of beneficial uses or exceedance of the receiving water quality objectives. Any temporary dam or other artificial obstruction constructed must only be built from materials such as clean gravel which will cause little or no siltation. Normal flows must be restored to the affected stream immediately upon completion of work at that location.
- L. **Re-vegetation and Stabilization.** All areas that have 14 or more days of inactivity must be stabilized within 14 days of the last activity. The Applicant shall implement and maintain BMPs to prevent erosion of the rough graded areas. After completion of grading, all areas must be re-vegetated with native species appropriate for the area. The re-vegetation palette must not contain any plants listed on the California Invasive Plant Council Invasive Plant Inventory, which can be accessed at <http://www.cal-ipc.org/ip/inventory/>.
- M. **Hazardous Materials.** Except as authorized by this Certification, substances hazardous to aquatic life including, but not limited to, petroleum products, unused cement/concrete, asphalt, and coating materials, must be prevented from contaminating the soil and/or entering waters of the United States and/or State. BMPs must be implemented to prevent such discharges during each Project activity involving hazardous materials.

- N. **Vegetation Removal.** Removal of vegetation must occur by hand, mechanically, or through application of United States Environmental Protection Agency (USEPA) approved herbicides deployed using applicable BMPs to minimize adverse effects to beneficial uses of waters of the United States and/or State. Discharges related to the application of aquatic pesticides within waters of the United States must be done in compliance with State Water Resources Control Board Water Quality Order No. 2004-0009-DWQ, the *Statewide General National Pollution Discharge Elimination System Permit for the Discharge of Aquatic Weed Control in Waters of the United States*, and any subsequent reissuance as applicable.
- O. **Limits of Disturbance.** The Applicant shall clearly define the limits of Project disturbance to waters of the United States and/or State using highly visible markers such as flag markers, construction fencing, or silt barriers prior to commencement of Project construction activities within those areas.
- P. **Beneficial Use Protection.** The Applicant must take all necessary measures to protect the beneficial uses of waters of Mission Bay and its tributaries. This Certification requires compliance with all applicable requirements of the Basin Plan. If at any time, an unauthorized discharge to surface waters (including rivers or streams) occurs or monitoring indicates that the Project is violating, or threatens to violate, water quality objectives, the associated Project activities shall cease immediately and the San Diego Water Board shall be notified in accordance with Notification Requirement VI.A of this Certification. Associated Project activities may not resume without approval from the San Diego Water Board.

#### IV. PROJECT IMPACTS AND COMPENSATORY MITIGATION

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

Table 1

	Impacts (acres)	Impacts (linear ft.)	Mitigation for Impacts (acres) <sup>1</sup>	Mitigation Ratio (area mitigated :area impacted)	Mitigation for Impacts (linear ft.)	Mitigation Ratio (linear feet mitigated :linear feet impacted) <sup>2</sup>
<b>Permanent Impacts</b>						
Freshwater Marsh – Concrete Lined Channel	0.13	1,075	0.13 <sup>1,2</sup> Enhancement	1:1	NA <sup>3</sup>	NA <sup>3</sup>
Freshwater Marsh – Soft bottom Channel	0.18	897	0.18 <sup>1,2</sup> Establishment 0.18 <sup>1,2</sup> Enhancement	2:1	NA <sup>3</sup>	NA <sup>3</sup>

1. Fresh water marsh establishment and enhancement offsite in the Los Penasquitos Canyon Preserve.
2. Permanent impacts will be mitigated through the use of mitigation from the El Cuervo Del Sur and Los Penasquitos Canyon Preserve mitigation sites. Mitigation provided from the El Cuervo Del Sur and Los Penasquitos Canyon Preserve mitigation sites is required to be protected and maintained in perpetuity by the City of San Diego according to the conditions of Water Quality Certification No. R9-2013-0116.
3. The amount of mitigation provided from the mitigation sites is not reported in terms of linear feet of mitigation.

**C. Compensatory Mitigation Plans.** The Applicant must fully and completely implement the Mitigation Plans; any deviations from, or revisions to, the Mitigation Plans must be pre-approved by the San Diego Water Board.

**D. Mitigation Use Ledger.** The Applicant shall establish and maintain a mitigation use ledger for the El Cuervo Del Sur Mitigation Site and the Los Penasquitos Canyon Preserve Mitigation Site. The mitigation use ledgers shall show all mitigation use transactions from each mitigation site and shall show the beginning and current balance of available mitigation for each type, all additions and subtractions of mitigation, and any other changes in mitigation availability, such as additional mitigation released or suspended mitigation transfers. The mitigation use ledger shall include at a minimum:

1. Mitigation site(s) name;
2. Mitigation site(s) water quality certification number;
3. Total amount (acres) of each type of mitigation;
4. Project name to expend mitigation;
5. Project contact name and phone number;
6. Date of mitigation expenditure;
7. Type(s) of mitigation expended;

8. Amount of mitigation expended for the Project; and
9. Balance (acres) of each type of mitigation remaining.

- E. **Mitigation Use Ledger Submittal.** The Applicant shall submit updated mitigation use ledgers for the El Cuervo Del Sur and Los Penasquitos Canyon Preserve mitigation sites to the San Diego Water Board within 30 days of the issuance of this Certification. Additionally, the Applicant shall submit updated mitigation use ledgers with each water quality certification application submitted by the Applicant that proposes to use compensatory mitigation for project impacts from the El Cuervo Del Sur Mitigation Site and/or the Los Penasquitos Canyon Preserve Mitigation Site.
- F. **Performance Standards.** Compensatory mitigation required under this Certification shall be considered as achieved once it has met the ecological success performance standards contained in the Mitigation Plans (Section 6.2, Table 15 for the *El Cuervo Del Sur Wetland Habitat Mitigation and Monitoring Plan* and Section 6.2, Table 10 for the *Los Penasquitos Canyon Preserve Conceptual Wetlands Enhancement Plan*) and Water Quality Certification No. to the satisfaction of the San Diego Water Board. The construction of these permittee-responsible mitigation sites was permitted by the San Diego Water Board under Water Quality Certification No. R9-2013-0116.
- G. **Temporary Project Impact Areas.** The Applicant must restore all areas of temporary impacts and all other areas of temporary disturbance which could result in a discharge or a threatened discharge of pollutants to waters of the United States and/or State. Restoration must include grading of disturbed areas to pre-project contours and re-vegetation with native species. The Applicant must implement all necessary BMPs to control erosion and runoff from areas associated with the Project.
- H. **Timing of Mitigation Site Construction.** Construction of the proposed mitigation must begin no later than 9 months following the start of Project construction. Delays in implementing mitigation must be compensated for by an increased mitigation implementation of 10% of the cumulative compensatory mitigation for each month of delay.

## V. MONITORING AND REPORTING REQUIREMENTS

- A. **Representative Monitoring.** Samples and measurements taken for the purpose of monitoring under this Certification shall be representative of the monitored activity.
- B. **Monitoring Reports.** Monitoring results shall be reported to the San Diego Water Board at the intervals specified in section V of this Certification.
- C. **Monitoring and Reporting Revisions.** The San Diego Water Board may make revisions to the monitoring program at any time during the term of this Certification and may reduce or increase the number of parameters to be monitored, locations monitored, the frequency of monitoring, or the number and size of samples collected.

**D. Records of Monitoring Information.** Records of monitoring information shall include:

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

**E. Annual Project Progress Reports.** The Applicant must submit annual Project progress reports describing status of BMP implementation and compliance with all requirements of this Certification to the San Diego Water Board prior to **March 1** of each year following the issuance of this Certification, until the Project has reached completion. The monitoring period for each Annual Project Progress Report shall be January 1<sup>st</sup> through December 31<sup>st</sup> of each year. The report must include the following information:

1. The names, qualifications, and affiliations of the persons contributing to the report;
2. The status, progress, and anticipated schedule for completion of Project construction activities including the installation and operational status of best management practices project features for erosion and storm water quality treatment;
3. A description of Project construction delays encountered or anticipated that may affect the schedule for construction completion; and
4. A description of each incident of noncompliance during the annual monitoring period and its cause, the period of the noncompliance including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

**F. Final Project Completion Report.** The Applicant must submit a Final Project Completion Report to the San Diego Water Board **within 45 days of completion of the Project**. The final report must include the following information:

1. Date of construction initiation;
2. Date of construction completion;
3. BMP installation and operational status for the Project;

4. As-built drawings of the Project, no bigger than 11”X17”; and
5. Photo documentation of implemented post-construction BMPs and all areas of permanent and temporary impacts, prior to and after project construction. Photo documentation must be conducted in accordance with guidelines posted at [http://www.waterboards.ca.gov/sandiego/water\\_issues/programs/401\\_certification/docs/StreamPhotoDocSOP.pdf](http://www.waterboards.ca.gov/sandiego/water_issues/programs/401_certification/docs/StreamPhotoDocSOP.pdf). In addition, photo documentation must include Global Positioning System (GPS) coordinates for each of the photo points referenced.

**G. Reporting Authority.** The submittal of information required under this Certification, or in response to a suspected violation of any condition of this Certification, is required pursuant to Water Code section 13267 and 13383. Civil liability may be administratively imposed by the San Diego Water Board for failure to submit information pursuant to Water Code sections 13268 or 13385.

**H. Electronic Document Submittal.** The Applicant must submit all reports and information required under this Certification in electronic format via e-mail to [SanDiego@waterboards.ca.gov](mailto:SanDiego@waterboards.ca.gov). Documents over 50 megabytes will not be accepted via e-mail and must be placed on a disc and delivered to:

California Regional Water Quality Control Board  
San Diego Region  
Attn: 401 Certification No. R9-2014-0077: PIN 807678  
2375 Northside Drive, Suite 100  
San Diego, California 92108

Each electronic document must be submitted as a single file, in Portable Document Format (PDF) format, and converted to text searchable format using Optical Character Recognition (OCR). All electronic documents must include scanned copies of all signature pages; electronic signatures will not be accepted. Electronic documents submitted to the San Diego Water Board must include the following identification numbers in the header or subject line: Certification No. R9-2014-0077: PIN 807678.

- I. Document Signatory Requirements.** All applications, reports, or information submitted to the San Diego Water Board must be signed as follows:
1. For a corporation, by a responsible corporate officer of at least the level of vice president.
  2. For a partnership or sole proprietorship, by a general partner or proprietor, respectively.
  3. For a municipality, or a state, federal, or other public agency, by either a principal executive officer or ranking elected official.
  4. A duly authorized representative may sign applications, reports, or information if:

- a. The authorization is made in writing by a person described above.
- b. The authorization specifies either an individual or position having responsibility for the overall operation of the regulated activity.
- c. The written authorization is submitted to the San Diego Water Board Executive Officer.

If such authorization is no longer accurate because a different individual or position has responsibility for the overall operation of the Project, a new authorization satisfying the above requirements must be submitted to the San Diego Water Board prior to or together with any reports, information, or applications, to be signed by an authorized representative.

- J. **Document Certification Requirements.** All applications, reports, or information submitted to the San Diego Water Board must be certified as follows:

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

## VI. NOTIFICATION REQUIREMENTS

- A. **Twenty Four Hour Non-Compliance Reporting.** The Applicant shall report any noncompliance which may endanger health or the environment. Any such information shall be provided orally to the San Diego Water Board within **24 hours** from the time the Applicant becomes aware of the circumstances. A written submission shall also be provided within five days of the time the Applicant becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The San Diego Water Board, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.
- B. **Hazardous Substance Discharge.** Except for a discharge which is in compliance with this Certification, any person who, without regard to intent or negligence, causes or permits any hazardous substance or sewage to be discharged in or on any waters of the State, shall as soon as (a) that person has knowledge of the discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other emergency measures, immediately notify the City of San Diego, in accordance with California Health and Safety Code section 5411.5 and the California Office of Emergency Services of the discharge in accordance with the spill reporting provision of the State toxic disaster contingency plan adopted pursuant to

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

- C. **Oil or Petroleum Product Discharge.** Except for a discharge which is in compliance with this Certification, any person who without regard to intent or negligence, causes or permits any oil or petroleum product to be discharged in or on any waters of the State, or discharged or deposited where it is, or probably will be, discharged in or on any waters of the State, shall, as soon as (a) such person has knowledge of the discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other emergency measures, immediately notify the California Office of Emergency Services of the discharge in accordance with the spill reporting provision of the State oil spill contingency plan adopted pursuant to Government Code Title 2, Division 1, Chapter 7, Article 3.7 (commencing with section 8574.1). This requirement does not require reporting of any discharge of less than 42 gallons unless the discharge is also required to be reported pursuant to Clean Water Act section 311, or the discharge is in violation of a Basin Plan prohibition.
- D. **Anticipated Noncompliance.** The Applicant shall give advance notice to the San Diego Water Board of any planned changes in the Project or the Compensatory Mitigation project which may result in noncompliance with Certification conditions or requirements.
- E. **Transfers.** This Certification is not transferable in its entirety or in part to any person or organization except after notice to the San Diego Water Board in accordance with the following terms:
1. **Transfer of Property Ownership:** The Applicant must notify the San Diego Water Board of any change in ownership of the Project area. Notification of change in ownership must include, but not be limited to, a statement that the Applicant has provided the purchaser with a copy of the Section 401 Water Quality Certification and that the purchaser understands and accepts the certification requirements and the obligation to implement them or be subject to liability for failure to do so; the seller and purchaser must sign and date the notification and provide such notification to the San Diego Water Board **within 10 days of the transfer of ownership.**
  2. **Transfer of Mitigation Responsibility:** Any notification of transfer of responsibilities to satisfy the mitigation requirements set forth in this Certification must include a signed statement from an authorized representative of the new party (transferee) demonstrating acceptance and understanding of the responsibility to comply with and fully satisfy the mitigation conditions and agreement that failure to comply with the mitigation conditions and associated requirements may subject the transferee to enforcement by the San Diego Water Board under Water Code section 13385, subdivision (a). Notification of transfer of responsibilities meeting the above



conditions must be provided to the San Diego Water Board **within 10 days of the transfer date.**

3. **Transfer of Post-Construction BMP Maintenance Responsibility:** The Applicant assumes responsibility for the inspection and maintenance of all post-construction structural BMPs until such responsibility is legally transferred to another entity. At the time maintenance responsibility for post-construction BMPs is legally transferred the Applicant must submit to the San Diego Water Board a copy of such documentation and must provide the transferee with a copy of a long-term BMP maintenance plan that complies with manufacturer specifications. The Applicant must provide such notification to the San Diego Water Board within **10 days** of the transfer of BMP maintenance responsibility.

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

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

## VII. CALIFORNIA ENVIRONMENTAL QUALITY ACT COMPLIANCE

- A. The City of San Diego is the Lead Agency under the California Environmental Quality Act (CEQA) (Public Resources Code section 21000, et seq.) section 21067, and CEQA Guidelines (California Code of Regulations, title 14, section 15000 et seq.) section 15367, and has filed a Notice of Determination dated October 28, 2011 for the Final Environmental Impact Report (FEIR) titled *Master Storm Water System Maintenance Program* (State Clearing House Number 2004101032). The Lead Agency has determined the Project will have a significant effect on the environment and mitigation measures were made a condition of the Project.
- B. The San Diego Water Board is a Responsible Agency under CEQA (Public Resources Code section 21069; CEQA Guidelines section 15381). The San Diego Water Board has considered the Lead Agency's FEIR and finds that the Project as proposed will have a significant effect on resources within the San Diego Water Board's purview.
- C. The San Diego Water Board has required mitigation measures as a condition of this Certification to avoid or reduce the environmental effects of the Project to resources within the Board's purview to a less than significant level.
- D. The Lead Agency has adopted a mitigation monitoring and reporting program pursuant to Public Resources Code section 21081.6 and CEQA Guidelines section 15097 to ensure that mitigation measures and revisions to the Project identified in the FEIR are implemented. The Mitigation Monitoring and Reporting Program (MMRP) is included and incorporated by reference in Attachment 5 to this Certification. The Applicant shall implement the Lead Agency's MMRP described in the FEIR, as it pertains to resources

within the San Diego Water Board's purview. The San Diego Water Board has imposed additional MMRP requirements as specified in sections IV and V of this Certification.

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

#### VIII. SAN DIEGO WATER BOARD CONTACT PERSON

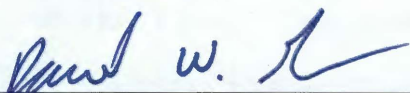
Staff Name, Alan Monji  
Telephone: 619-521-3968  
Email: [Alan.Monji@waterboards.ca.gov](mailto:Alan.Monji@waterboards.ca.gov)

#### IX. WATER QUALITY CERTIFICATION

I hereby certify that the proposed discharge from the **Routine Maintenance of Storm Water Facility Maps 36 & 37 (Mission Bay High School and Pacific Beach Dr./Olney St. Channels)** (Certification No. R9-2014-0077) will comply with the applicable provisions of sections 301 ("Effluent Limitations"), 302 ("Water Quality Related Effluent Limitations"), 303 ("Water Quality Standards and Implementation Plans"), 306 ("National Standards of Performance"), and 307 ("Toxic and Pretreatment Effluent Standards") of the Clean Water Act. This discharge is also regulated under State Water Board Order No. 2003-0017-DWQ, "*Statewide General Waste Discharge Requirements for Dredged or Fill Discharges that have Received State Water Quality Certification (General WDRs)*," which requires compliance with all conditions of this Water Quality Certification. Please note that enrollment under Order No. 2003-017-DWQ is conditional and, should new information come to our attention that indicates a water quality problem, the San Diego Water Board may issue individual waste discharge requirements at that time.

Except insofar as may be modified by any preceding conditions, all Certification actions are contingent on (a) the discharge being limited to, and all proposed mitigation being completed in strict compliance with, the applicants' Project description and/or the description in this Certification, and (b) compliance with all applicable requirements of the Basin Plan.

I, David W. Gibson, Executive Officer, do hereby certify the forgoing is a full, true, and correct copy of Certification No. R9-2014-0077 issued on March 5, 2015.

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

5 March 2015  
Date

# ATTACHMENT 1

## DEFINITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

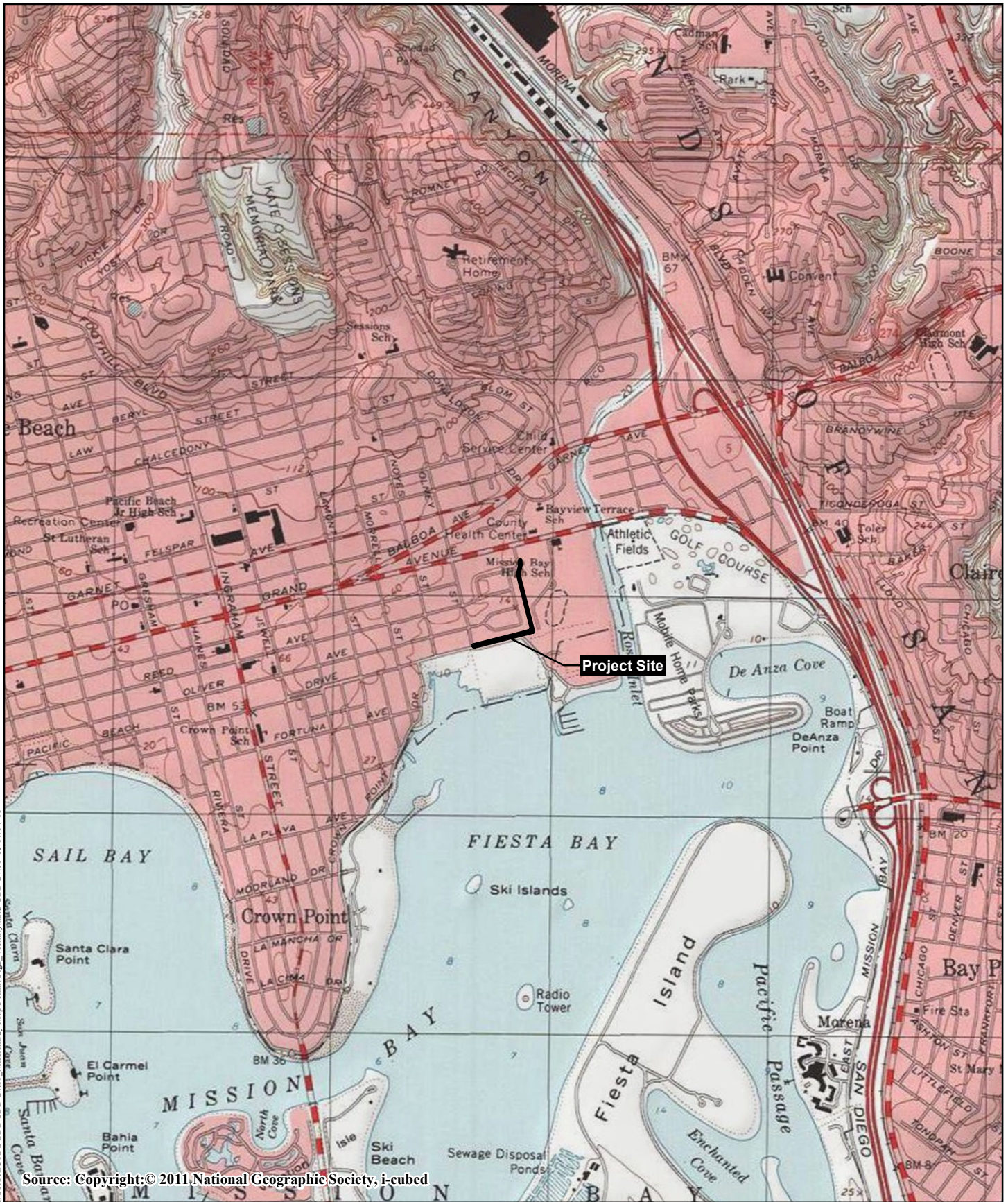
**Uplands** - means non-wetland areas that lack any field-based indicators of wetlands or other aquatic conditions. Uplands are generally well-drained and occur above (i.e., up-slope) from nearby aquatic areas. Wetlands can, however, be entirely surrounded by uplands. For example, some natural seeps and constructed stock ponds lack aboveground hydrological connection to other aquatic areas. In the watershed context, uplands comprise the landscape matrix in which aquatic areas form. They are the primary sources of sediment, surface runoff, and associated chemicals that are deposited in aquatic areas or transported through them.

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

## **ATTACHMENT 2**

### **LOCATION MAPS AND FIGURES**

1. Helix Environmental Planning, Figure 2, Project Vicinity Map
2. Helix Environmental Planning, Figure 3, Aerial Photograph



I:\PROJECTS\SDD\SDD-24.01\_MissionBayMap\Permit\Fig\_Vicinity.mxd SDD-24.01\_05-07-14 JP

Source: Copyright: © 2011 National Geographic Society, i-cubed

## Project Vicinity Map

MISSION BAY MAPS 36 AND 37

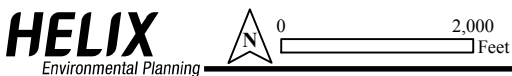


Figure 2



I:\PROJECTS\SS\SSD-2401\_MissionBay\Map\Permit\Fig3\_Aerial.mxd SSD-2401\_05/07/14 -JP

## Aerial Photograph

MISSION BAY MAPS 36 AND 37

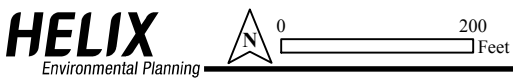




Figure 3

### **ATTACHMENT 3**

#### **PROJECT FIGURES**

1. Helix Environmental Planning, Individual Maintenance Plan
2. Helix Environmental Planning, Figure 5, Waters of the U.S. and Maintenance Area
3. City of San Diego, Plans for Improvement of Pacific Beach Dr. and Olney St. 2 pages
4. City of San Diego, Drain Easement in Lots 1, 2, 18 and Closed St. Adjacent to Blk A, Mission Bay Park Tract Subdivision
5. City of San Diego, Construction of Drainage Facilities in Grand Avenue and Lots 1, 2, 15, 16, 17, and 18, Block A, Mission Bay Park Tract



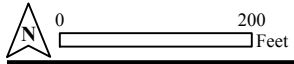
-  Equipment Access and Loading Area (per MMP)
-  Maintenance Area

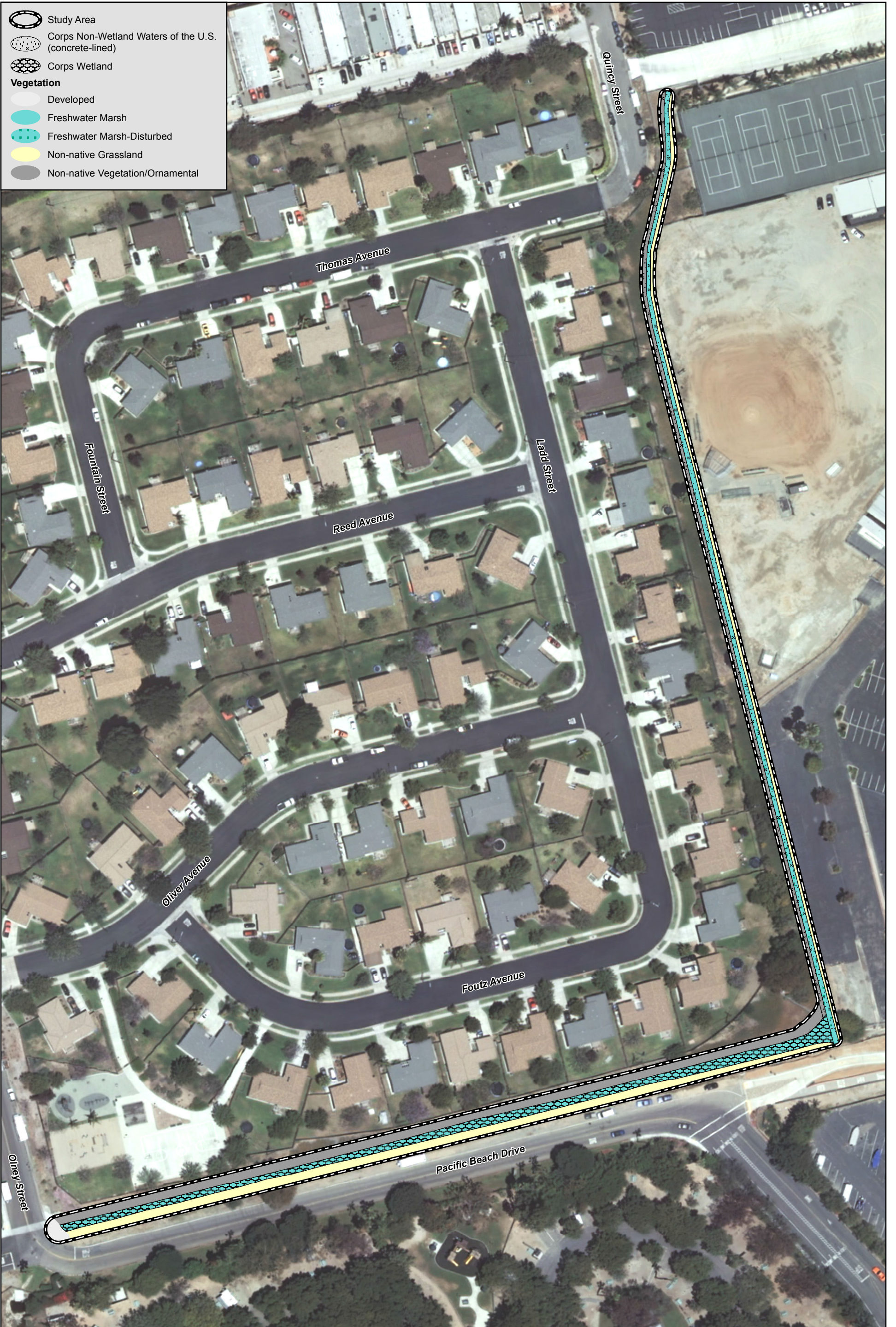


I:\PROJECTS\SDD\SDD-24.01\_MissionBay\Map\Misc\MaintenancePlan\_2014\_0707.mxd SDD-24.01\_07/07/14-JP

## Individual Maintenance Plan

STORM WATER FACILITY MAPS 36 & 37 (MISSION BAY HIGH SCHOOL AND PACIFIC BEACH DRIVE/OLNEY STREET CHANNELS)



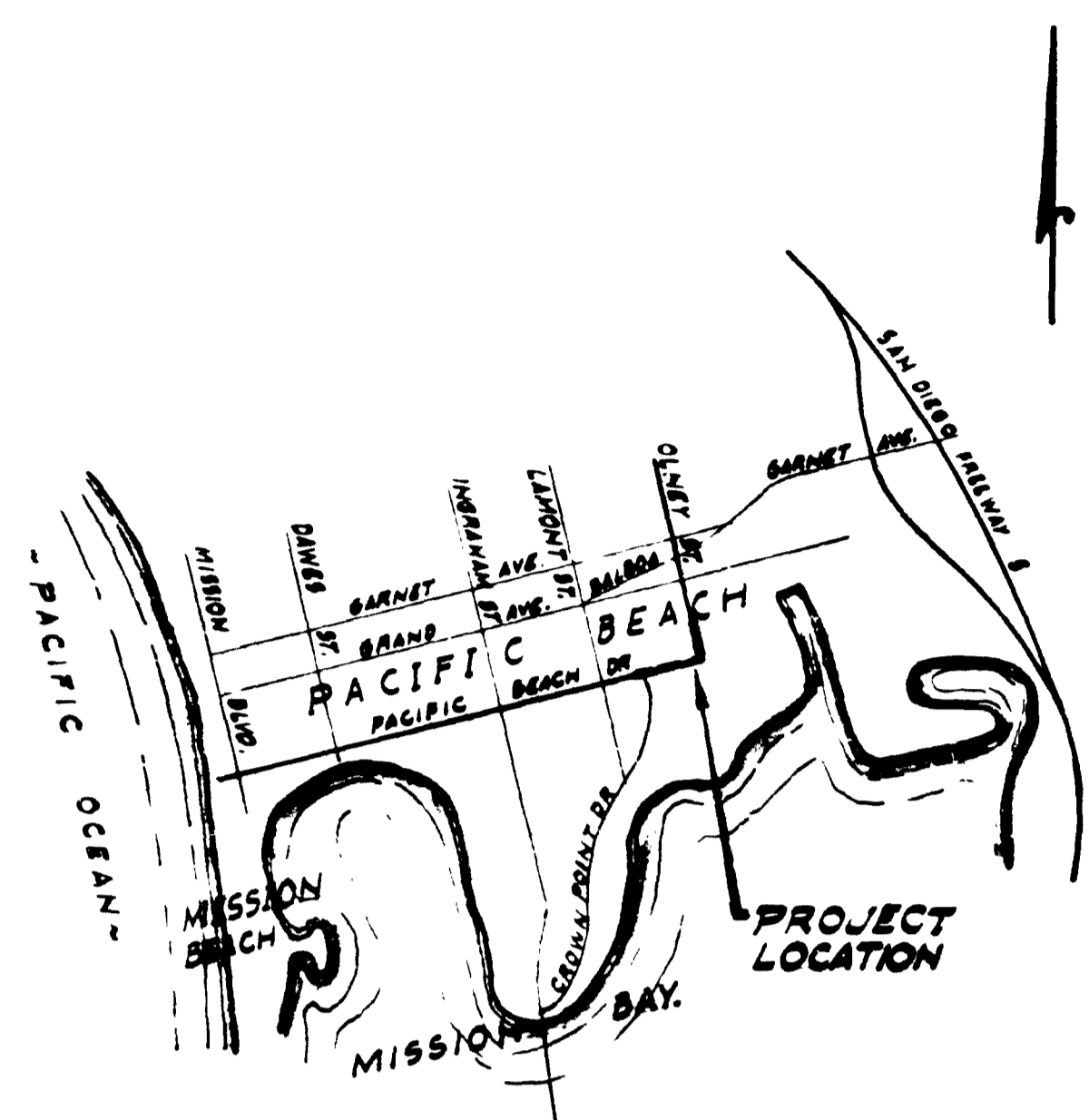


○ Study Area  
 ○ Corps Non-Wetland Waters of the U.S. (concrete-lined)  
 ○ Corps Wetland  
**Vegetation**  
 ○ Developed  
 ○ Freshwater Marsh  
 ○ Freshwater Marsh-Disturbed  
 ○ Non-native Grassland  
 ○ Non-native Vegetation/Ornamental

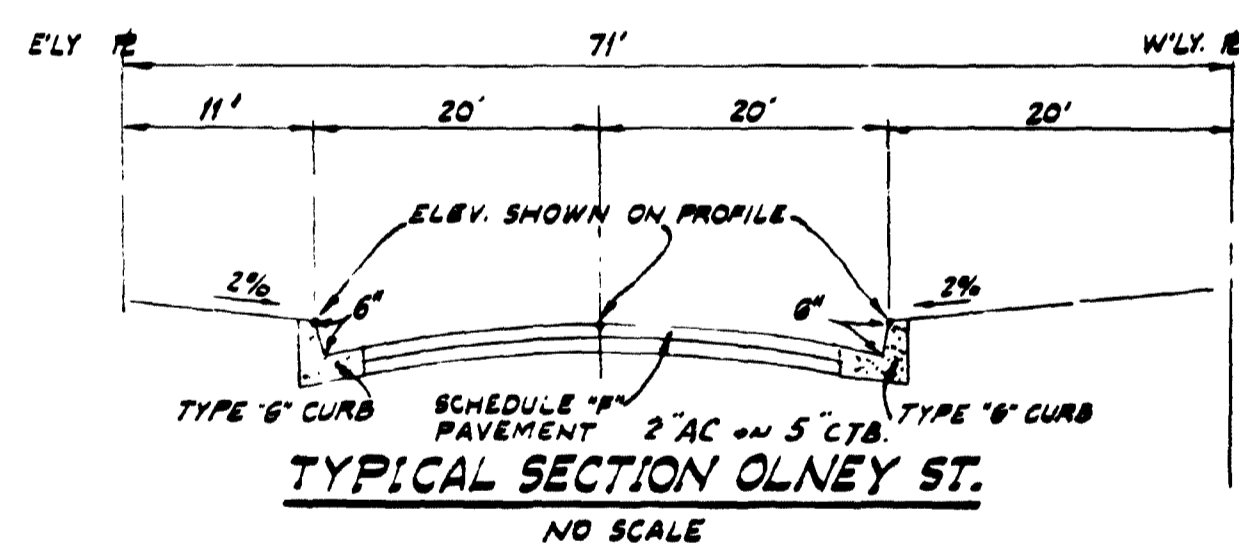
I:\PROJECTS\SDD\SDD-24.01\_Mission Bay\Map\Permit\Fig\_USACE.mxd SDD-24.01\_052014\_RK

**Waters of the U.S. and Maintenance Area**

MISSION BAY MAPS 36 AND 37



**LOCATION MAP**  
NO SCALE.



**TYPICAL SECTION OLNEY ST.**  
NO SCALE

**SPECIFICATIONS**

STANDARD SPECIFICATIONS PART I FILED APRIL 9, 1958 INCLUDING AMENDMENT FILED APRIL 8, 1959 AND NOV. 29, 1962 PART II FILED MARCH 4, 1966. SPECIAL CONDITIONS P-18 REVISED OCT 25, 1967. ALSO STANDARDS SPECIFICATIONS PART II FILED DEC. 14, 1966. AND PART II FILED MAY 23, 1958. PART I, SECTION I, FILED APRIL 5, 1967.

**REFERENCE DRAWINGS**

12220-2-D, 7935-W, 7936-W, 10916-L & 10668-1-D.

**NOTES**

- ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNERS OR OTHERS AND THOSE SHOWN ON THE RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE EXISTING UTILITIES OR STRUCTURES SHOWN, AND ANY OTHER UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK. BEFORE EXCAVATING FOR THIS CONTRACT VERIFY LOCATION OF UNDERGROUND UTILITIES.  
 PACIFIC TELEPHONE & TELEGRAPH 298-0595  
 SAN DIEGO GAS & ELECTRIC CO. 234-4252-EXT.  
 SEWER & WATER 236-5600
- PRIOR TO MIXING WITH CEMENT AND WATER ALL MINERAL AGGREGATE USED FOR PRODUCTION OF CEMENT TREATED BASE SHALL HAVE A SAND EQUIVALENT OF NO LESS THAN 30 WHEN TESTED BY CALIFORNIA DIVISION OF HIGHWAY TEST METHOD N9 CALIFORNIA 217.

**WORK TO BE DONE**

IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE IN ACCORDANCE WITH THESE PLANS AND THE STANDARD DRAWINGS AND SPECIFICATIONS OF THE CITY OF SAN DIEGO.

ITEM	STD. DWGS.	LEGEND
EXCAVATION & EMBANKMENT		
PREPARATION OF SUBGRADE & A.C. PAVT.	6-56-67-7	
TYPE "G" CURB	6-45-65	
A.C. SURFACING		
V.C. SEWER MAIN	5-1-59	V.C.
CONC. MANHOLE	5-8-63, M-23-57	M.H. 1
A.C. WATER MAIN	W-6-58, W-61-60	8" A.C.
4" BLOW OFF VALVE	W-8-61	4" B.O.
A.C. BERM	6-21-64	6" BERM
EXISTING IMPROVEMENTS	P-1-56	
R.C.R. STORM DRAIN	D-3-58, D-21-64	RCP
CURTAIN WALL	D-28-56	Curtain wall
CONC. SEWER ENCASEMENT	5-5-57	CONC. ENCASEMENT
1" AIR VALVE	W-13-61	1" A.V.
GATE VALVES	W-12-61	8" G.V.

WATER CONNECTION #1 - \$320.00  
 WATER CONNECTION #2 - \$320.00

**BENCH MARK:**  
 BRASS PLUG AT S.W. CORNER OF OLNEY AVE. & OLNEY ST. ELEV. 10.78' (MEAN SEA LEVEL DATUM)

**ENGINEER OF WORK**  
 Raymond J. Guthrie, R.C.E. 15745  
 DATE: Mar 26, 1968  
 EDWARDS, ORAN, BALTHUS & NOTHOMBS  
 1309 "B" ST. SAN DIEGO, CALIF. 92108

CITY ENGINEER APPLICATION # 1597-1  
 PRIVATE CONTRACT P-5603

**PLANS FOR THE IMPROVEMENT OF PACIFIC BEACH DR. & OLNEY ST.**

CITY OF SAN DIEGO, CALIFORNIA  
 ENGINEERING DEPARTMENT  
 SHEET 1 OF 2 SHEETS

*E. J. Gahndorn* 4/23/68  
 CITY ENGINEER

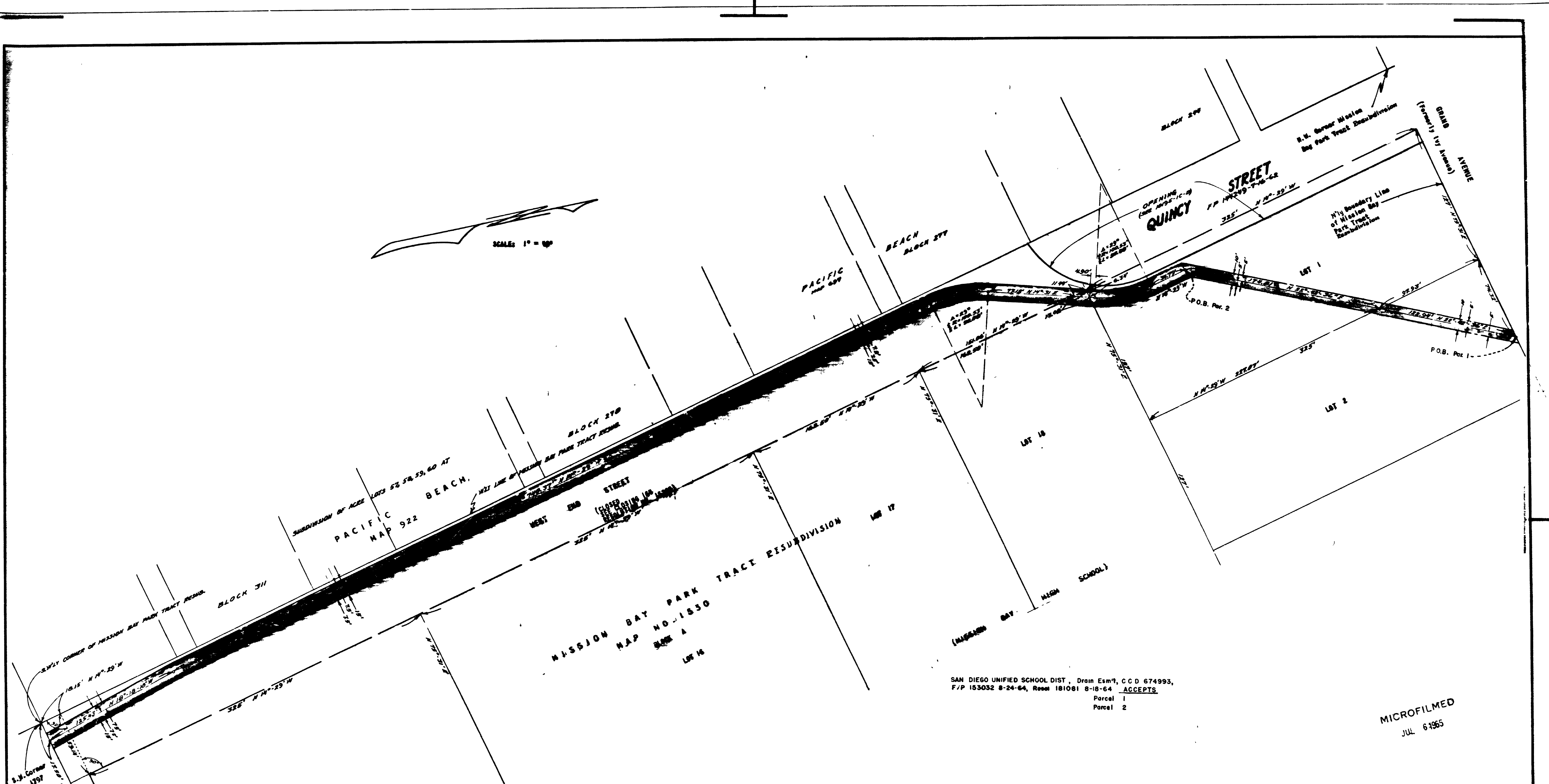
W.O. NO. 20020

DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL				
1. BUILT			11/11/68	

230-1697  
 LICENSED PROFESSIONAL ENGINEER

CONTRACTOR: *HANSEN* DATE STARTED: *4-1-68*  
 INSPECTOR: *HANSEN* DATE COMPLETED: *5-1-68* 13195-1-D

**AS BUILT**



- NOTES:**
1. Drain easement is shown shaded.
  2. For construction see framing 11223-2-D
  3. Basis of Bearings: City Boundary line of Block A, Mission Bay Park Tract Resubdivision, Map No. 1530 I.P. 8-17-28' S

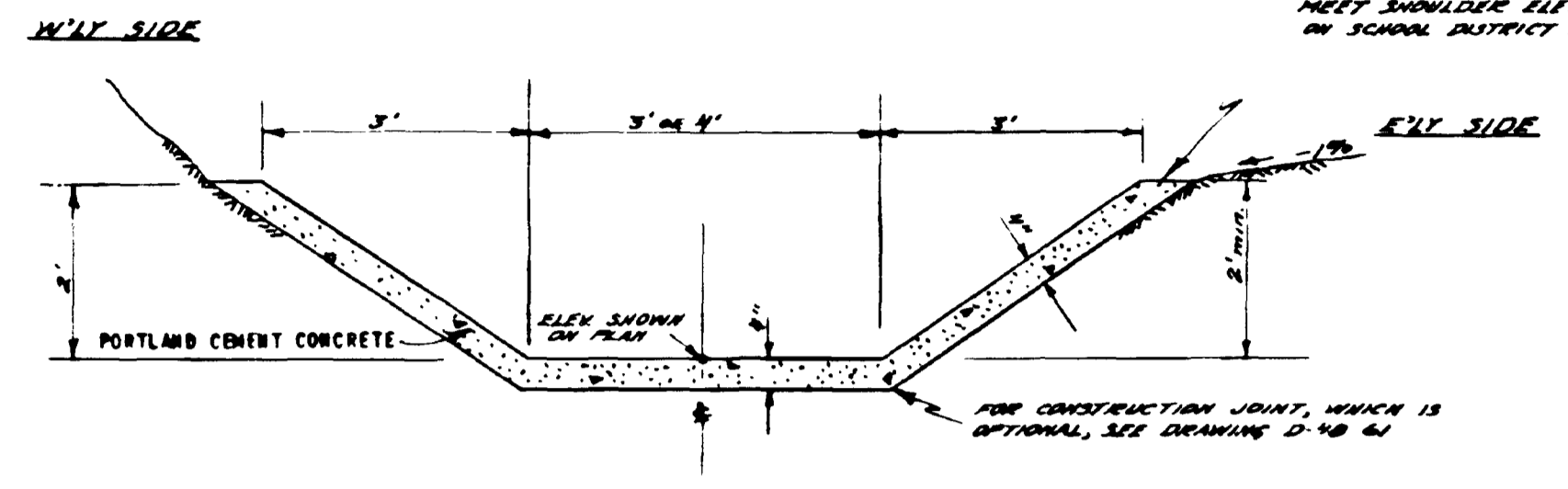
ACQUIRED

MICROFILMED  
JUL 6 1965

CITY OF SAN DIEGO ENGINEERING DEPARTMENT				SHEET 1 OF 1 SHEET		WS 62977
CHANGE	BY	DATE	APPROVAL	DATE	DATE	DATE
			<i>E. J. Johnson</i>	6/19/63		
CITY ENGINEER				APPROVAL FOR		
WATER				SEWERAGE		
PLANNING (P. 11-03-62)				DRAINAGE		
CONSTRUCTION ENGINEER				HIGHWAY		
ELECTRICAL				GRADING		
STRUCTURAL				TRAFFIC		
CONTR. (P. 11-03-62)				CONTR. (P. 11-03-62)		
FIELD BOOK C-15 May 9, 1963				RECORDS - Clearing/110		11223-7-B

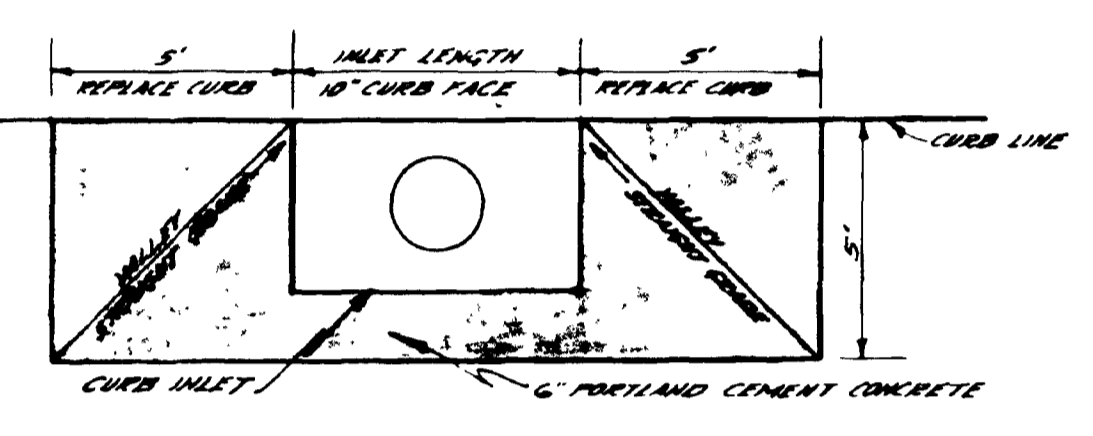
MICROFILMED  
JUL 24 1965

10195-10-D

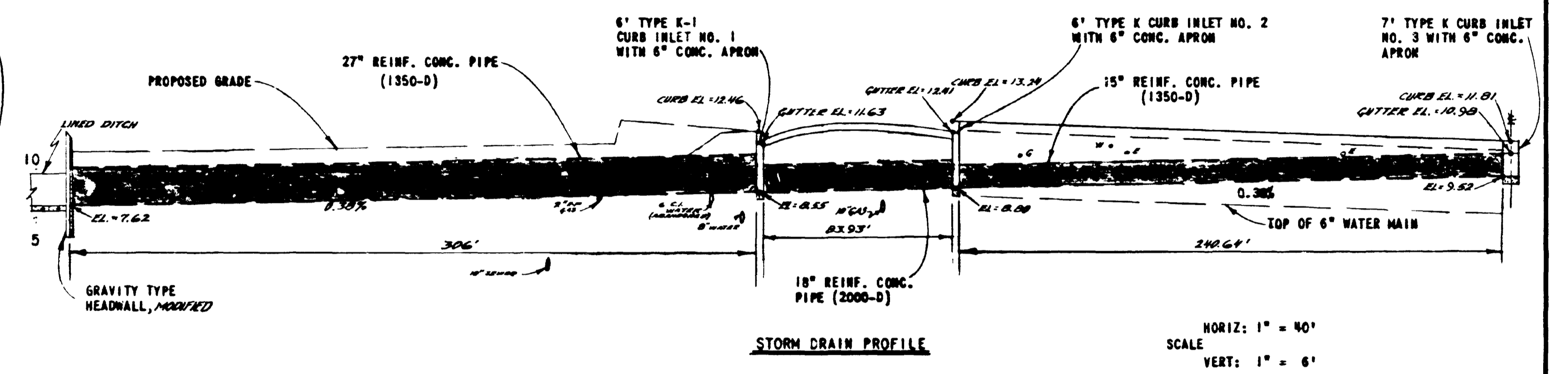


TYPICAL SECTION OF LINED DITCH - LOOKING UP-STREAM  
No Scale

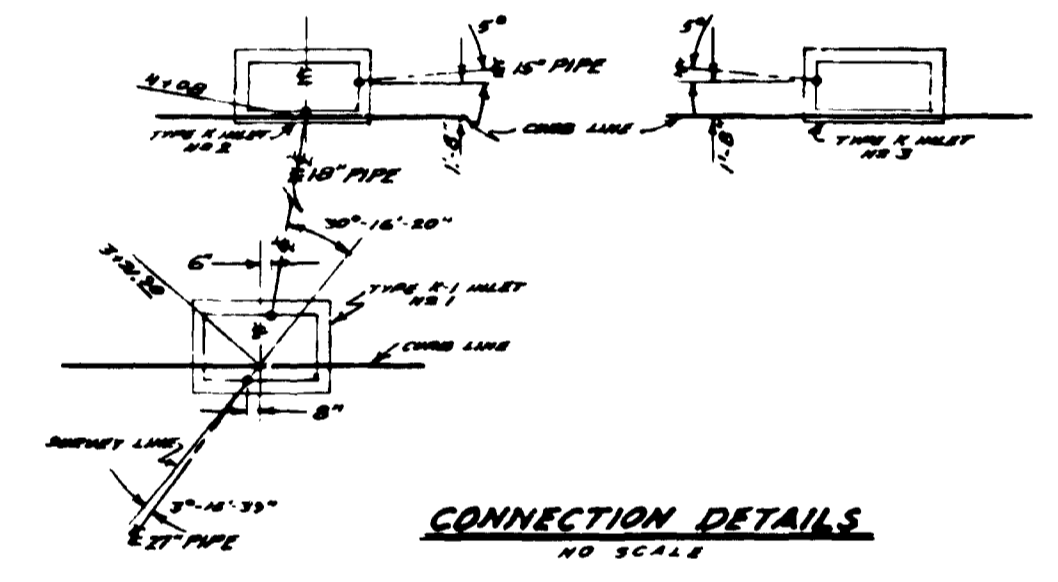
NOTE:  
ELEVATIONS EVERY 50 FEET



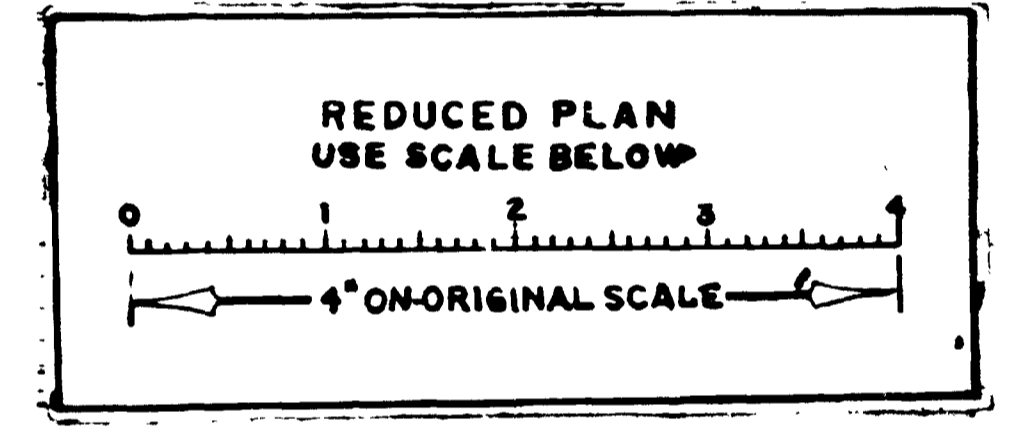
TYPICAL DETAIL OF CURB INLET APRON  
No Scale



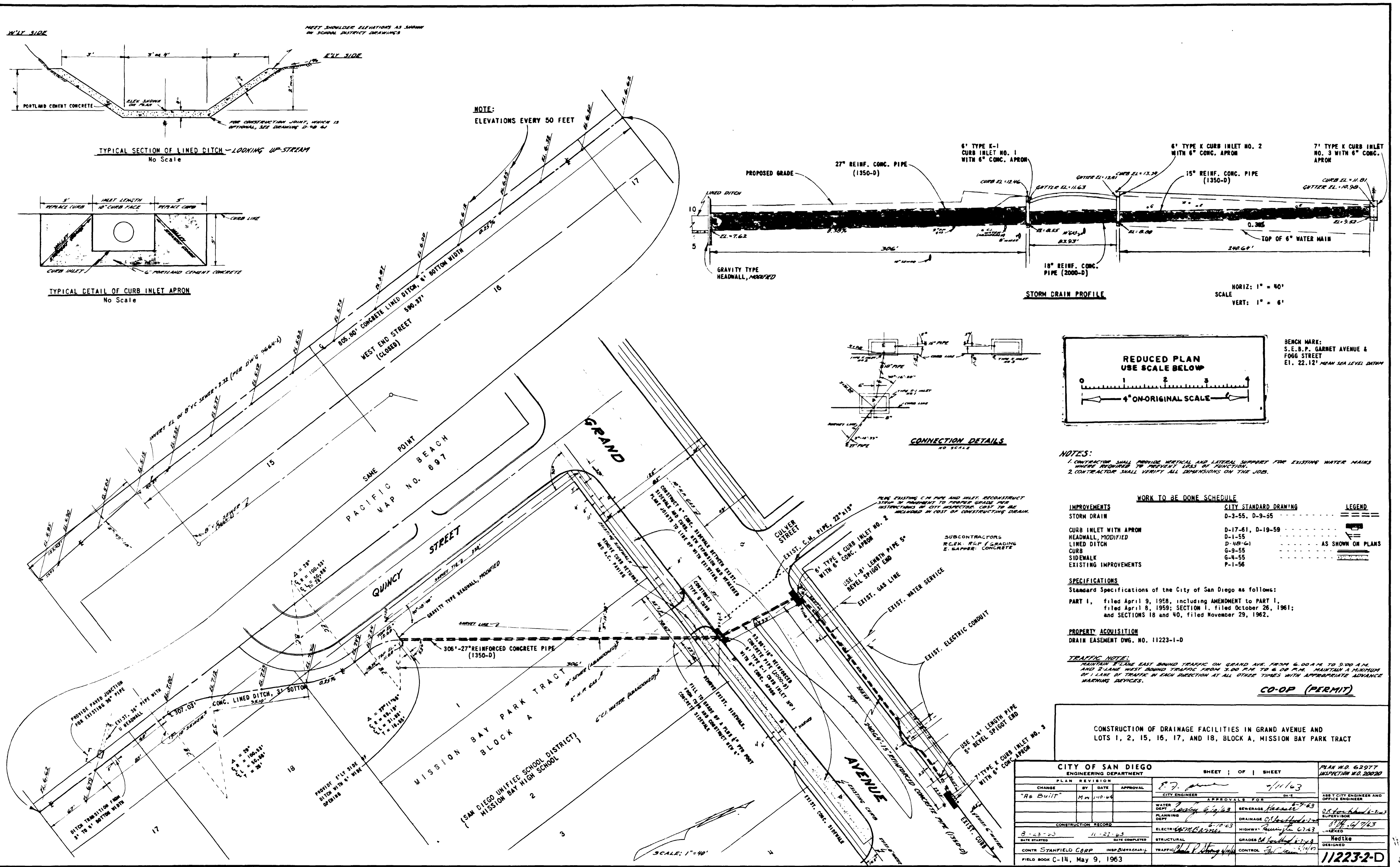
HORIZ: 1" = 40'  
SCALE  
VERT: 1" = 6'



CONNECTION DETAILS  
NO SCALE



BENCH MARK:  
S.E. B.P. GARNET AVENUE &  
FOGG STREET  
E1. 22.12' MEAN SEA LEVEL DATUM



NOTES:  
1. CONTRACTOR SHALL PROVIDE VERTICAL AND LATERAL SUPPORT FOR EXISTING WATER MAINS  
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON THE JOB.

IMPROVEMENTS	CITY STANDARD DRAWING	LEGEND
STORM DRAIN	D-3-55, D-9-55	---
CURB INLET WITH APRON	D-17-61, D-19-59	---
HEADWALL, MODIFIED	D-1-55	---
LINED DITCH	D-18-61	---
CURB	G-9-55	---
SIDEWALK	G-4-55	---
EXISTING IMPROVEMENTS	P-1-56	---

SPECIFICATIONS  
Standard Specifications of the City of San Diego as follows:  
PART 1, filed April 9, 1958, including AMENDMENT TO PART 1,  
filed April 8, 1959; SECTION 1, filed October 26, 1961;  
and SECTIONS 18 and 40, filed November 29, 1962.

PROPERTY ACQUISITION  
DRAIN EASEMENT DWG. NO. 11223-1-D

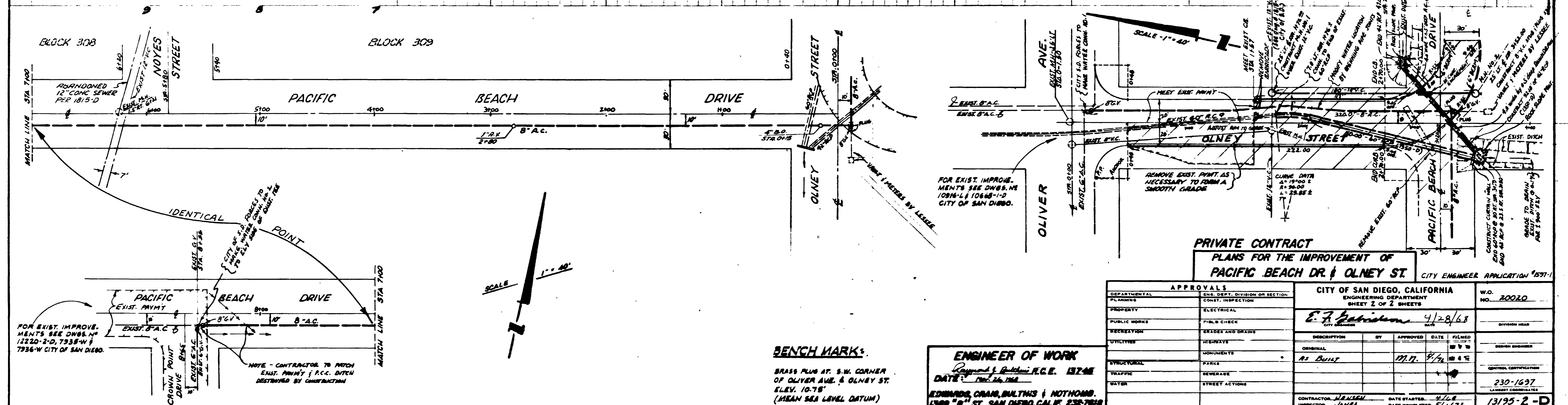
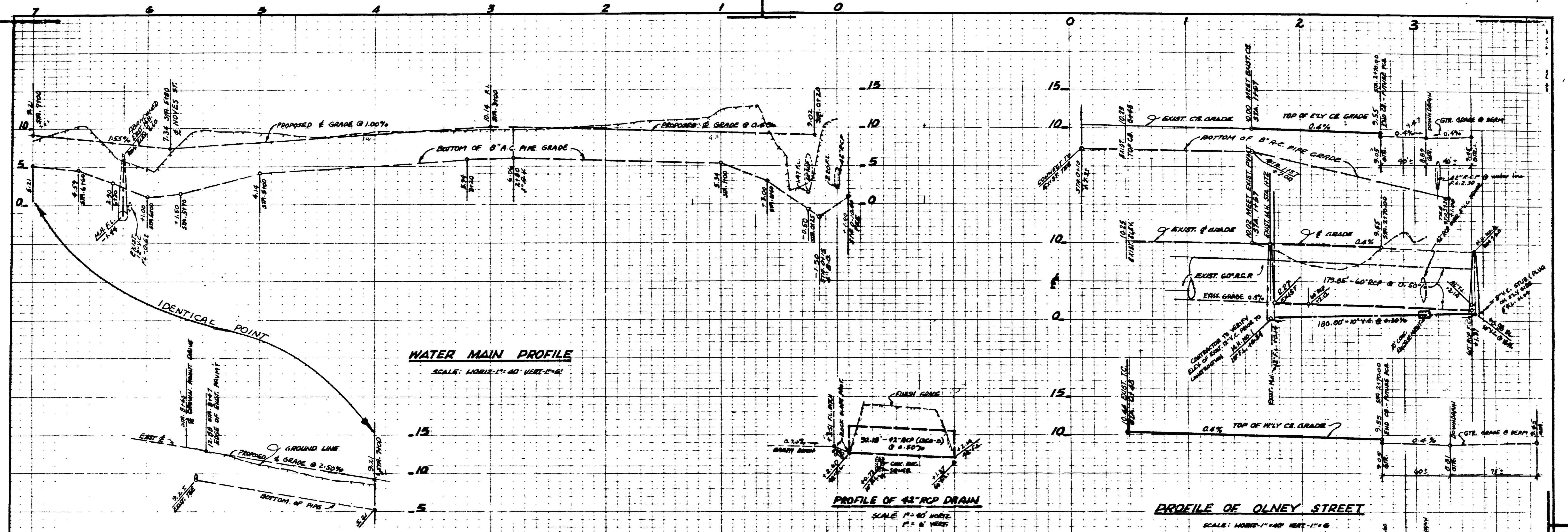
TRAFFIC NOTE:  
MAINTAIN FREEWAY EAST BOUND TRAFFIC ON GRAND AVE. FROM 6:00 A.M. TO 5:00 P.M.  
AND 2-LANE WEST BOUND TRAFFIC FROM 3:00 P.M. TO 6:00 P.M. MAINTAIN A MINIMUM  
OF 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL OTHER TIMES WITH APPROPRIATE ADVANCE  
WARNING DEVICES.

CO-OP (PERMIT)  
CONSTRUCTION OF DRAINAGE FACILITIES IN GRAND AVENUE AND  
LOTS 1, 2, 15, 16, 17, AND 18, BLOCK A, MISSION BAY PARK TRACT

CITY OF SAN DIEGO ENGINEERING DEPARTMENT		SHEET 1 OF 1 SHEET	PLAN NO. 62977 INSPECTION NO. 20020
CHANGE	BY DATE APPROVAL	APPROVALS FOR	
"As Built"	M.M. 11-27-63	CITY ENGINEER	ASS'T CITY ENGINEER AND OFFICE ENGINEER
CONSTRUCTION RECORD		SUPERVISOR	
DATE STARTED	DATE COMPLETED	WATER DEPT. 11-27-63	SEWERAGE DEPT. 11-27-63
CONTR. STANFIELD CORP.	INSPECTION DATE	PLANNING DEPT. 11-27-63	DRAINAGE DEPT. 11-27-63
FIELD BOOK C-14, May 9, 1963	TRAFFIC CONTROL	ELECTRIC DEPT. 11-27-63	HIGHWAY DEPT. 11-27-63
		STRUCTURAL	DESIGNED
		CONTROL	11223-2-D

AS BUILT

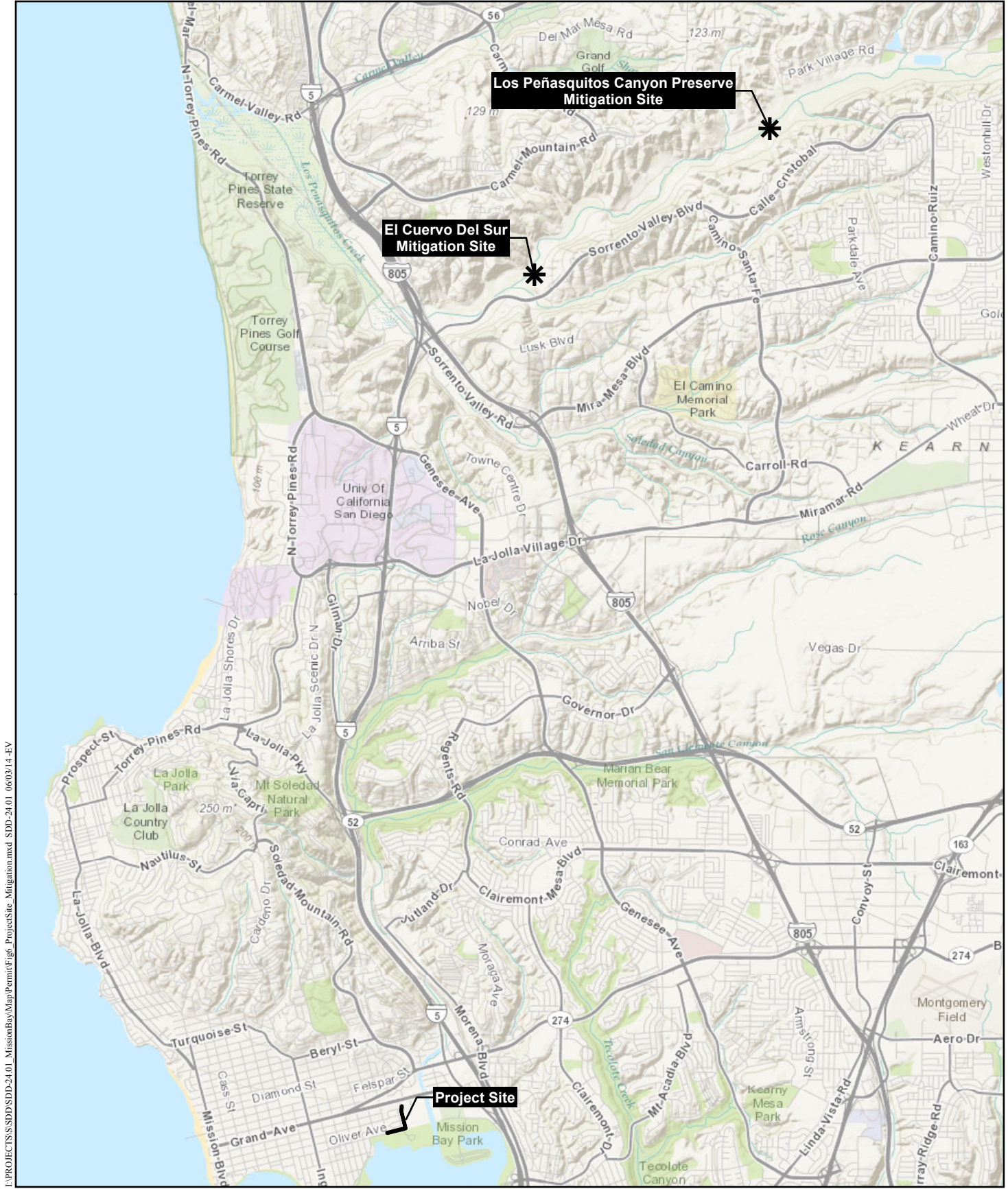
MICHAEL MEYER  
PUBLIC IMPROVEMENT APP. 4-10-62



## **ATTACHMENT 4**

### **MITIGATION FIGURES**

1. Helix Environmental Planning, Figure 6, Project Site and Mitigation Locations
2. URS, Figure 1, Regional Map El Cuervo Del Sur HMMP Master Storm Water Maintenance Program City of San Diego
3. URS, Figure 3, Regional Vicinity Map El Cuervo Del Sur HMMP City of San Diego
4. URS, Figure 8A, Conceptual Mitigation Design El Cuervo Del Sur HMMP City of San Diego
5. URS, Figure 3, Functional Assessment Areas Enhancement Opportunities Los Penasquitos Canyon Preserve Conceptual Wetland Enhancement Plan



I:\PROJECTS\SDD\SDD-24\01\_MissionBay\Map\Permit\Fig6\_ProjectSite\_Mitigation.mxd SDD-24\01\_060314-14-EV

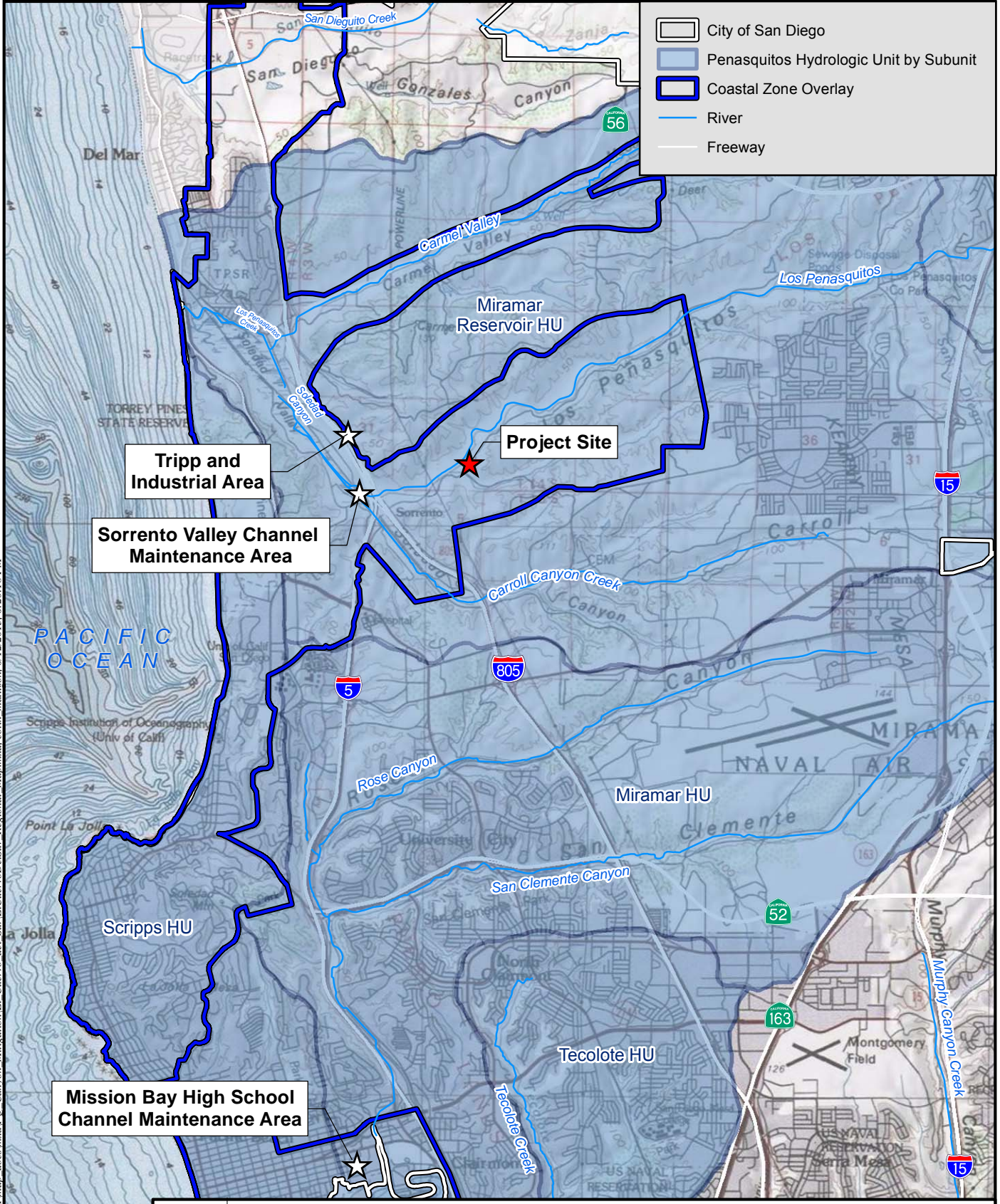
## Project Site and Mitigation Locations

MISSION BAY MAPS 36 AND 37



Figure 6





- City of San Diego
- Penasquitos Hydrologic Unit by Subunit
- Coastal Zone Overlay
- River
- Freeway

**Trip and Industrial Area**

**Sorrento Valley Channel Maintenance Area**

**Project Site**

**Mission Bay High School Channel Maintenance Area**



SOURCES: City of SD (SANDAG, 2008), Coastal Zone, Hydrologic Unit, Freeways, Rivers, (SanGIS, 2011), USGS Topo (NGS, 2011).

**REGIONAL MAP  
EL CUERVO DEL SUR HMMP  
MASTER STORM WATER MAINTENANCE PROGRAM  
CITY OF SAN DIEGO**



0.75 0 0.75 1.5 Miles  
SCALE: 1" = 1.5 miles (1:95,040)  
SCALE CORRECT WHEN PRINTED AT 8.5x11

CREATED BY: DA

DATE: 6/12/2013

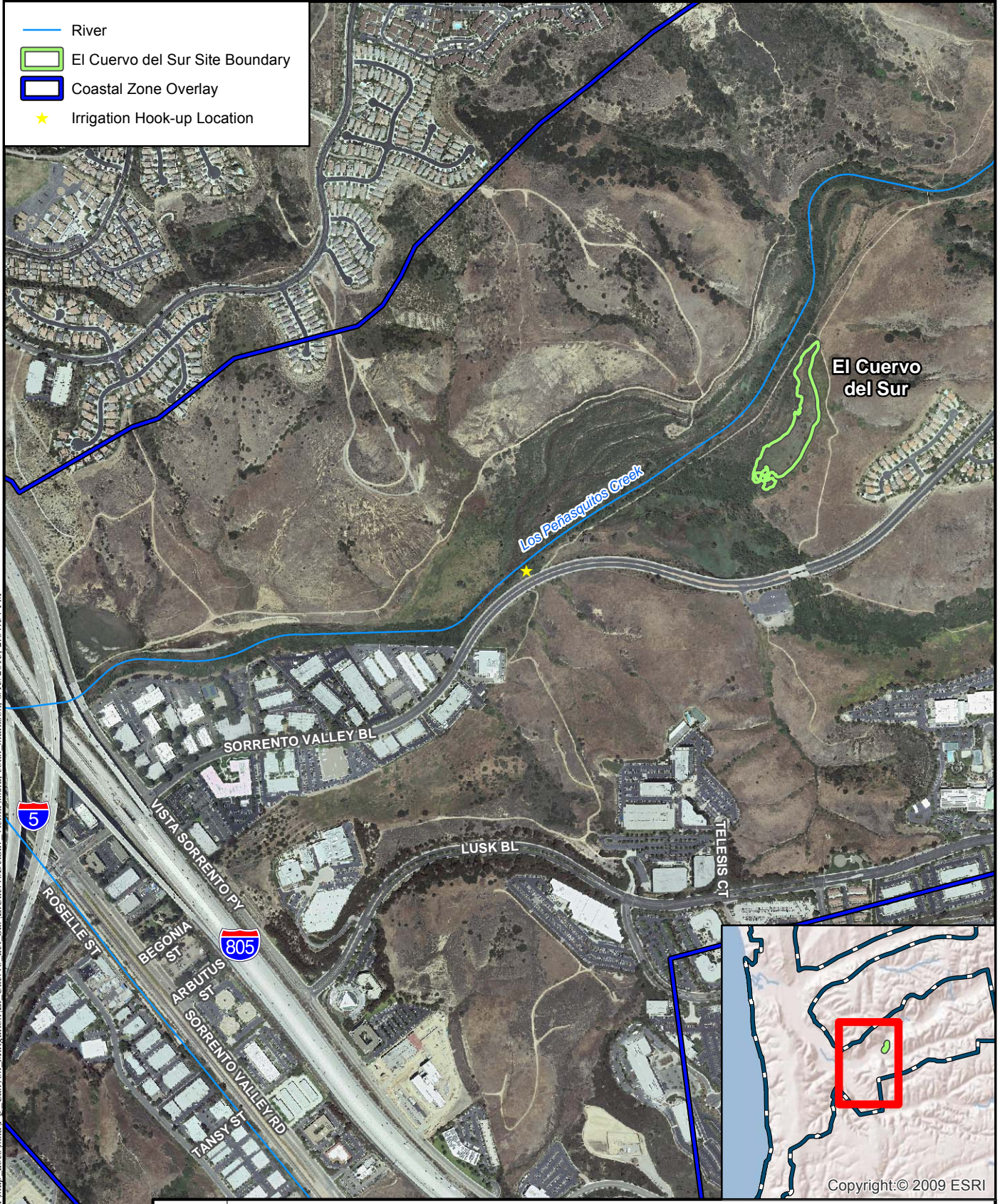
FIG. NO:

PM: BE

PROJ. NO: 27679954.08300

1

Path: G:\gis\projects\1577-27679954\map\_docs\mxd\PO\_Canyon\_Mitigation\El\_Cuervo\_del\_Sur\ElCuervoDelSur\_Regional\_Map.mxd, colin\_mattison, 6/12/2013, 6:20:18 PM



- River
- El Cuervo del Sur Site Boundary
- Coastal Zone Overlay
- ★ Irrigation Hook-up Location

Path: G:\gis\projects\1577\_2767995\map\_docs\mxd\PO\_Canyon\_Mitigation\El\_Cuervo\_del\_Sur\ElCuervoDelSur\_Vicinity.mxd, colin\_mattison, 6/13/2013, 2:04:34 PM

Copyright: © 2009 ESRI

	SOURCES: Site Boundary (URS, 2013). Roads, Rivers, Coastal Zone (SanGIS, 2011). Aerial Imagery (SanGIS, 2012).		<b>VICINITY MAP</b> <b>EL CUERVO DEL SUR HMMP</b> <b>CITY OF SAN DIEGO</b>	
		CREATED BY: DA	DATE: 6/13/2013	FIG. NO:
	SCALE: 1" = 1,000' (1:12,000) SCALE CORRECT WHEN PRINTED AT 8.5x11	PM: BE	PROJ. NO: 27679954.08300	3

- El Cuervo del Sur Site Boundary (Phase I)
  - El Cuervo del Sur Site Boundary (Phase II - not a part of this mitigation plan)
  - Potential Soil Disposal Area
  - Phase I Soil Disposal (with upland seed mix)
  - Proposed Road Fill
  - Expected USACE jurisdiction following implementation
- Planting Zones**
- Herbaceous Wetland
  - Riparian Scrub
  - Riparian Transitional

Proposed road fill continues north please refer to figure 8B for full extent

**Phase II**  
(not a part of this mitigation plan)

Phase I soil disposal with upland seed mix

Eucalyptus  
Existing Shrubs to Remain

**Phase I**

Proposed road fill continues south please refer to figure 8B for full extent

Palm Trees

Not Impacted

Planting Zones	Phase I	Phase II
Herbaceous Wetland	1.00	0.41
Riparian Scrub	0.94	0.55
Riparian Transitional	0.36	0.46
<b>Total</b>	<b>2.30 acres</b>	<b>1.42 acres</b>



SOURCES: Site Boundary, Buffer, Vegetation, Soil Disposal Area (URS, 2013). Soil (SSURGO, USDA, 2007). Aerial Imagery (SanGIS, 2012).

**CONCEPTUAL MITIGATION DESIGN  
EL CUERVO DEL SUR HMMP  
CITY OF SAN DIEGO**



45 0 45 90 Feet  
SCALE: 1" = 90' (1:1,080)  
SCALE CORRECT WHEN PRINTED AT 11X17

CREATED BY: LR

DATE: 2/25/2015

FIG. NO:

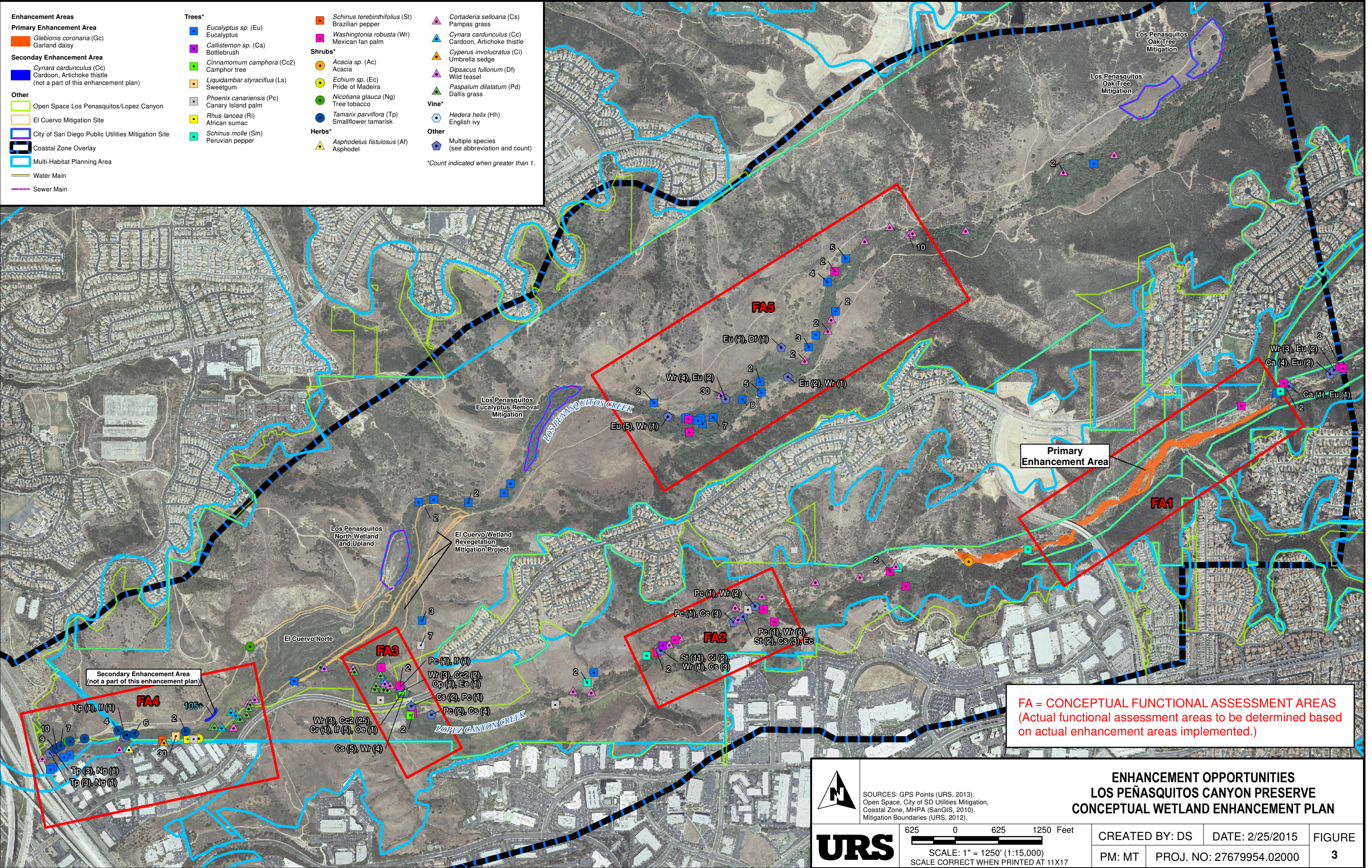
PM: BE

PROJ. NO: 27679954.08300

**8A**

Path: C:\gis\projects\15727679954\map\_docs\msd\PO\_Canyon\_Mitigation\El\_Cuervo\_del\_Sur\ElCuervoDelSur\_ConceptualDesign\_phase2\_with\_filters.mxd, Paul\_Moreno, 2/25/2015, 12:44:33 PM

Path: G:\gis\projects\1572767905\map\_docs\map\PO\_Canyon\_Mitigation\Wetland\_Enhancement\_Plan\Penasquitos\_Canyon\_Enhancement\_Opportunities.mxd, daniel\_arsillano, 2/25/2015, 6:00:10 PM



- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Enhancement Areas</b><br><b>Primary Enhancement Area</b><br>Glebionis coronaria (Gc)<br>Garland daisy<br><b>Secondary Enhancement Area</b><br>Cynara cardunculus (Cc)<br>Cardoon, Artichoke thistle<br>(not a part of this enhancement plan)<br><b>Other</b><br>Open Space Los Peñasquitos/Lopez Canyon<br>El Cuervo Mitigation Site<br>City of San Diego Public Utilities Mitigation Site<br>Coastal Zone Overlay<br>Multi-Habitat Planning Area<br>Water Main<br>Sewer Main | <b>Trees*</b><br>Eucalyptus sp. (Eu)<br>Eucalyptus<br>Callistemon sp. (Ca)<br>Bottlebrush<br>Cinnamomum camphora (Cc2)<br>Camphor tree<br>Liquidambar styraciflua (Ls)<br>Sweetgum<br>Phoenix canariensis (Pc)<br>Canary Island palm<br>Rhus lancea (Rl)<br>African sumac<br>Schinus molle (Sm)<br>Peruvian pepper | Schinus terebinthifolius (St)<br>Brazilian pepper<br>Washingtonia robusta (Wr)<br>Mexican fan palm<br><b>Shrubs*</b><br>Acacia sp. (Ac)<br>Acacia<br>Echium sp. (Ec)<br>Pride of Madeira<br>Nicotiana glauca (Ng)<br>Tree tobacco<br>Tamarix parviflora (Tp)<br>Smallflower tamarisk<br><b>Herbs*</b><br>Asphodelus fistulosus (Af)<br>Asphodel | Cortaderia selloana (Cs)<br>Pampas grass<br>Cynara cardunculus (Cc)<br>Cardoon, Artichoke thistle<br>Cyperus involucreatus (Ci)<br>Umbrella sedge<br>Dipsacus fullonum (Df)<br>Wild teasel<br>Paspalum dilatatum (Pd)<br>Dallis grass<br><b>Vine*</b><br>Hedera helix (Hh)<br>English ivy<br><b>Other</b><br>Multiple species<br>(see abbreviation and count)<br>*Count indicated when greater than 1. |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**FA = CONCEPTUAL FUNCTIONAL ASSESSMENT AREAS**  
 (Actual functional assessment areas to be determined based on actual enhancement areas implemented.)

	SOURCES: GPS Points (URS, 2013). Open Space, City of SD Utilities Mitigation, Coastal Zone, MHPA (SanGIS, 2010). Mitigation Boundaries (URS, 2012).		<b>ENHANCEMENT OPPORTUNITIES</b> <b>LOS PEÑASQUITOS CANYON PRESERVE</b> <b>CONCEPTUAL WETLAND ENHANCEMENT PLAN</b>	
	625 0 625 1250 Feet 	CREATED BY: DS PM: MT	DATE: 2/25/2015 PROJ. NO: 27679954.02000	FIGURE 3