Appendix H3

FINAL

CONCEPTUAL WETLAND MITIGATION PLAN
for
2015/16 EMERGENCY CHANNEL MAINTENANCE

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EXECUTIVE SUMMARY

This Conceptual Mitigation Plan (Plan or mitigation plan) outlines mitigation to meet the Regional Water Quality Control Board (RWQCB) and City of San Diego (City) Development Services Department (DSD) requirements for eight (8) emergency channel maintenance projects performed at sites during the winter of 2015/16 by the City of San Diego Transportation & Storm Water Department (T&SWD). The mitigation is designed to meet RWQCB requirements as stated in emails from staff regarding enrollment of each project in the General Certification of Army Corps of Engineers (ACOE) Regional General Permit 63 (SWRCB ID: SB13006IN).

Emails provided by San Diego RWQCB staff state that "consistent with the San Diego Water Board's approach in certifying routine channel maintenance projects and in accordance with section VI of Clean Water Act Section 401 Water Quality Certification for ACOE Reauthorization of Regional General Permit 63 for Repair and Protection Activities in Emergency Situations, SB13006IN (RGP-63 Certification), the City of San Diego will be required to provide compensatory mitigation for permanent impacts that result in a loss of functions in the amount of 2:1 (area mitigated : area impacted)." For most channel maintenance areas, enhancement is required to fulfill the entire ratio. For one channel, rehabilitation is required at a 1:1 ratio with the remainder required as enhancement. Based on actual impacts that were recorded at each of the eight (8) emergency channel maintenance locations and the ratios required by the RWQCB, a total of 2.72 acres of enhancement and 0.02 acre of rehabilitation is required. Per discussion with RWQCB, rehabilitation may count as mitigation for enhancement requirements.

This Plan identifies a total of 2.92 acres of mitigation, consisting of 1.01 acres of enhancement, 0.02 acre of re-establishment, and 1.89 acres of rehabilitation. A total 0.31 acre of enhancement and 0.02 acre of re-establishment has already been initiated, as part of authorized channel maintenance during the winter 2015/16 period or as part of additional giant reed (*Arundo donax)* removal which occurred in Summer 2016. An additional 0.18 acre of mitigation acreage beyond the required 2.74 acres is identified to meet the mitigation requirements for all eight (8) emergency authorizations, with excess areas identified as a contingency and potentially eligible as mitigation for City SDP requirements. The proposed mitigation occurs in four (4) separate project areas: two (2) of the project areas were authorized, either in their entirety or only a section, for emergency maintenance under RGP 63 and have mitigation requirements fulfilled by this Plan and two (2) project areas are not associated with any emergency maintenance.

This Plan includes a summary of the mitigation requirements for eight (8) authorized channel maintenance projects, baseline information for each of the four (4) mitigation areas, a work plan and implementation description, maintenance plan, performance standards, and monitoring requirements.

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1 PROJECT DESCRIPTION

1.1 Responsible Parties

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1.2 Project Background

City of San Diego (City) Transportation & Storm Water Department (T&SWD) operates the storm drain and drainage channel systems throughout the City of San Diego (Figure 1). This system is intended to be a conduit for transporting both baseline runoff flow, as well as peak runoff from precipitation events through the City efficiently and safely.

Over time, conditions can develop which reduce the access, capacity and hydraulic efficiency of the storm water systems. These reduced efficiencies can occur in the form of accretion of sediment, trash and other debris within channels and pipelines, growth of both native and non-native vegetation within channels, obstruction of storm drain inlets from sediment or debris, and reduced hydraulic efficiency from cracked or broken pipes and channel surfaces.

In preparation for a predicted above-average rainfall year during the winter of 2015/16, the T&SWD reviewed storm water infrastructure, and prioritized maintenance needs thereof. T&SWD submitted several requests for authorization of RGP 63 to the ACOE and RWQCB for emergency activities. Table 1 lists ACOE and RWQCB permit numbers for projects associated with this Plan as well as additional emergency authorizations during the 2015/16 time-period that did not require mitigation (Figures 1 through 3). Appendix A contains copies of the permit authorizations, RWQCB emails, and a summary of impact and mitigation calculations.

Table 1
Emergency Maintenance Authorizations

Channel	MMP Map No(s).	Watershed	ACOE RGP 63 Authorization #	RWQCB Reference #	Total Acreage RWQCB Mitigation Req.[a]
Authorized with Mitigation Occurring Under this Plan					
Auburn Creek	70	Pueblo	SPL-2015-00945-MBT	R9-2016-0043:821318;lhonma	0.10[b]
Auburn Creek	77	Pueblo	SPL-2016-00211-RAG	R9-2016-0084;822782;lhonma	0.06
Chollas Creek	71	Pueblo	SPL-2015-00924-MG	R9-2015-0212:820311:lhonma	0.04[a]
Chollas Creek	91 and 93	Pueblo	SPL-2015-00887-RAG	R9-2015-0198:820036:lhonma	2.06
Cottonwood	120 and 121	Pueblo	SPL-2015-00900-WSZ	R9-2015-0203:820160:lhonma	0.24
Jamacha	115	Pueblo	SPL-2015-00944-RAG	R9-2016-0016;820685;lhonma	0.10
Washington	84	Pueblo	SPL-2016-00012-RAG	R9-2016-0045;821330;lhonma	0.04
Parkside	122	Sweetwater	SPL-2015-00909-RAG	R9-2015-0208:820215:lhonma	0.10
				Total	**2.74[a]**
Authorized without Mitigation Required					
Auburn Creek	67 and 68	Pueblo	SPL-2015-00862-RAG	R9-2015-0192;819895;lhonma	0.00
Friars Rd.	n/a	San Diego	SPL-2016-00039-MG	R9-2016-0024: 820968	0.00
Titus	n/a	Pueblo	-	R9-2016-0030;821649;lhonma	0.00
Carroll Canyon	n/a	Los Penasquitos	SPL-2016-00035-MG	R9-2016-0057;821245;lhonma	0.00
Lobrico	n/a	Pueblo	SPL-2015-00649-MG	R9-2015-0149;818163;lhonma	0.00
Authorized with Mitigation Occurring Under a Separate Mitigation Plan					
Via de la Bandola	130a (proposed)	Tijuana River	SPL-2015-00850-RAG	R9-2015-0187;819596;lhonma	0.38
Smythe	130	Tijuana River	SPL-2015-00942-RAG	R9-2016-0014;820683;lhonma	1.77
Nestor Creek	134	Otay	SPL-2016-00011-MBT	R9-2016-0044;821320;lhonma	TBD

[a] Mitigation requirement for Chollas Creek 71 consists of 0.02 acre rehabilitation and 0.02 acre enhancement. All other acreage requirements consist of enhancement only.

[b] Mitigation requirements are provided in emails from RWQCB for all area except Auburn Creek 70 where the requirement is stated in the ACOE RGP 63 authorization. ACOE staff (Rose Galer) has indicated that mitigation for this area can be provided in conjunction with other areas where only the RWQCB required mitigation.

All projects listed in Table 1 were reviewed by the RWQCB and ACOE as emergency activities that result in permanent impacts. Therefore, future impacts within the same project footprint are not expected to require additional mitigation beyond what was required under the emergency authorizations.

The first eight (8) projects listed in the first section of Table 1, were projects where mitigation was required by the RWQCB and are proposed to be mitigated by implementation of this Plan. Only one (1) of the eight (8) projects also required mitigation as stated by the ACOE. Projects listed in the second section of Table 1 were authorized but do not require mitigation. The final section of Table 1 lists Smythe Channel (MMP Map 130), Via de la Bandola Channel (MMP Map 130a), and Nestor (MMP Map 134), which do require mitigation, but are being mitigated through implementation of a separate mitigation plan. All of these projects are listed at the request of RWQCB staff to provide a comprehensive list of emergency maintenance that was authorized and occurred during the 2015/16 season. As stated above, it is expected that future impacts within the same authorized footprint would not require additional mitigation, as these areas have already been reviewed by RWQCB and it was determined that permanent impacts of maintenance do not require mitigation.

In the case of this mitigation effort, RWQCB has requested that the planted/irrigated sites be classified as rehabilitation. Because the City allows for rehabilitation to be counted as creation, the mitigation strategy outlined herein provides the minimum 1:1 creation for the City's mitigation requirement, as well as meeting the no-net-loss requirement for RWQCB. It is for these reasons that the proposed mitigation compensates for ongoing, permanent impacts.

Emails provided by San Diego RWQCB staff state that "consistent with the San Diego Water Board's approach in certifying routine channel maintenance projects and in accordance with section VI of Clean Water Act Section 401 Water Quality Certification for ACOE Reauthorization of Regional General Permit 63 for Repair and Protection Activities in Emergency Situations, SB13006IN (RGP-63 Certification), the City of San Diego will be required to provide compensatory mitigation for permanent impacts that result in a loss of functions in the amount of 2:1 (area mitigated : area impacted)." With the exception of Chollas Creek 71, all of the projects mitigated under this plan require mitigation in the form of enhancement only. For Chollas Creek 71, rehabilitation is required at a 1:1 ratio with the remainder required as enhancement.

According to post-project documentation submitted or in preparation for each of these eight (8) projects, maintenance activities resulted in permanent impacts to 1.37 acres of wetlands (mitigation required) and 0.67 acre of non-wetland area (no mitigation required) identified by the RWQCB (Table 1, Figure 3, Appendix A). Based on RWQCB mitigation requirements, a total of 2.72 acres of enhancement and 0.02 acre of rehabilitation are required to fully mitigate permanent impacts associated with the authorized channel maintenance area at the eight (8)

locations listed in Table 1. There are no mitigation requirements for five (5) additional maintenance locations listed in the second section of Table 1. Mitigation for the Smythe Channel (MMP Map 130) and Via de la Bandola Channel (MMP Map 130a) is being provided by a separate mitigation plan. Mitigation for Nestor Creek (MMP Map 134) is being implemented at the Hollister Quarry Mitigation Site, as outlined in *Draft HMMP Quarry Mitigation Site*, which is being prepared by Helix, Final Draft ETA March 2018.

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2 OBJECTIVES

The goal of this mitigation program is to provide mitigation for RWQCB jurisdictional aquatic resources impacted during implementation of 2015/16 emergency channel maintenance by the City of San Diego T&SWD and to partially satisfy SDP requirements associated with the emergency maintenance. Mitigation is primarily completed through removal and control of non-native vegetation. The initial removal of invasive non-native vegetation is often conducted as part of authorized channel maintenance itself. While authorized channel maintenance may remove invasive non-native vegetation, by their nature, these species persist and often expand in coverage. Additional measures are proposed under this Plan to actively control and eradicate non-native vegetation within the proposed mitigation areas.

Specific objectives of the mitigation include:

- Provide increased functions and services within the mitigation areas through removal of non-native vegetation (i.e., enhancement) or the removal of soils that have converted waters to upland condition (i.e., re-establishment).
- Maintain the quality of the mitigation areas through control of invasive non-native vegetation throughout the subsequent five-year maintenance and monitoring period.
- If feasible, provide native plant restoration (i.e., rehabilitation) in areas not likely to be subject to future infrastructure maintenance, through hydroseed application, hand seeding, or erosion control Best Management Practices (BMPs) if necessary.

2.1 Mitigation Areas

Mitigation acreage is proposed at four (4) separate sites, as listed in Table 2, totaling 2.92 acres of mitigation credit. This acreage includes 0.18 acre of mitigation beyond the 2.74 acres required by the RWQCB. This additional acreage is proposed as potential mitigation for SDP requirements or as a contingency to provide additional mitigation if required (and authorized) by resource agencies for additional impacts, or in the event of mitigation conflicts or underperformance of mitigation at other locations. The acreage of each area will be verified upon implementation; mitigation areas may be added or removed through amendments to this mitigation plan, as approved by the resource agencies.

Table 2
Mitigation Acreage by Watershed and Site

Channel	MMP Map No(s).	Watershed	Mitigation Credit				No Mitigation Credit			
			Enhancement Initiated (acres)	*Additional Proposed Rehab (acres)*	*Re-establishment Initiated (acres)*	*Additional Proposed Enhancement (acres)*	*Additional Non-Natives Removed (Non-Credit Area)*	*Additional Non-Natives Planned for Removal (Non-Credit Area)*	*Re-Establishment Initiated (Non-Credit Area)*	*Rehabilitation Proposed (Non-Credit Area)*
Chollas Creek	91 and 93	Pueblo	0.02	0	0.02	0.01	0.03	0	0.02	0
South Chollas Creek	95/97/97a/98/98a/104	Pueblo	0.14	0.57	0	0.69	0.10	0.69	0	0.01
Washington	84	Pueblo	0.15	0	0	0	0.02	0	0	0
Paradise Canyon Open Space	NA	Pueblo	0	1.32	0	0	0	0.43	0	0
		Subtotals	*0.31*	*1.89*	*0.02*	*0.70*	*0.15*	*1.12*	*0.02*	*0.01*
		Totals	**Mitigation: 2.92**				**No Mitigation Credit: 1.30**			

3 BASELINE INFORMATION

3.1 Locations

The proposed mitigation areas are concentrated in the central portion of the City of San Diego within the Pueblo watershed. Overall locations are shown on Figures 1 and 2.

3.2 Mitigation Areas

Enhancement has been initiated as a function of the channel maintenance work in the form of non-native vegetation removal shown on Figures 4-1, 4-2 and 4-3. In addition, re-establishment was initiated at Chollas Creek 91 and 93, as shown on Figure 4-2. An additional 0.70 acre of enhancement and 1.89 acres of rehabilitation is proposed, with 0.01 acre of enhancement proposed at Chollas Creek Channel (MMP Map 93; Figure 4-2), 0.69 acre of enhancement and 0.57 acre of rehabilitation within the South Chollas Creek Channel (MMP Maps 95, 97, 97a, 98, 98a, 104; Figures 4-3 to 4-7), and 1.32 acres of rehabilitation within Paradise Canyon Open Space; Figure 4-8).

Rehabilitation generally involves eradication of existing invasive non-native vegetation and replanting of native species with temporary irrigation. The goal of rehabilitation areas is to restore native plant communities where current conditions support monotypic stands of invasive non-native vegetation.

The single re-establishment area involves the restoration of hydrologic conditions through channel grading in former disturbed uplands. The goal of re-establishment areas is to restore natural hydrology where conditions supported uplands.

Enhancement involves the eradication and ongoing control of invasive non-native vegetation. Due to the location of these areas, including proximity to existing infrastructure (e.g., sewer lines), replanting is not proposed. The goal of enhancement is to eradicate invasive non-native vegetation that cause adverse impacts within the watershed.

More specifically, the proposed enhancement within Washington Channel and 20-foot sewer buffers on Washington Channel, Chollas Creek, South Chollas Creek, and Paradise Canyon, are subject to potential future channel maintenance and sewer repair activities. In the case of Washington Channel, maintenance would involve removal of accumulated vegetation and sediment and is estimated to be required once every approximately 8-10 years. In the 20-foot sewer buffer areas, sewer repairs are not expected, but if required could result in short-term temporary impacts from excavation and backfilling of sewer trenches. While sewer buffer areas will be maintained consistent with the non-native vegetation removal and enhancement approaches outlined herein, they will not be considered

mitigation credit, and are subject to potential, future maintenance associated with the sewer infrastructure. Impacts associated with these potential future maintenance activities occurring within the designated sewer buffers would not affect the acreage or success of this mitigation program, as no credits are proposed within the sewer buffer areas.

Washington Channel (Figure 4-1; MMP Map 84)

The Washington channel mitigation area (MMP Map 84) is located east of Interstate 5 (I-5), south of Keating St., and north of West Washington St. within the City of San Diego's Uptown Community Planning Area. This mitigation area is outside of the coastal zone and outside of the City's Multiple Species Conservation Program Multi-Habitat Planning Area (MHPA) (City of San Diego 1997; City of San Diego 2008). The channel is located within the City of San Diego street right-of-way (ROW) and is primarily concrete-lined with a small earthen-bottom section at the west/downstream end (City of San Diego 2016b). Land uses adjacent to the channel include residential and commercial properties as well as open space (Figure 5-1). I-5 freeway is also located directly to the west. The maintenance area extended 2,505 feet; the channel bottom width varies between approximately 5 feet in the concrete-lined portion to 60 feet in the earthen portion.

The site does not support potential for special-status plant or wildlife species, with the exception of raptors, which may nest in the area (no active nests were detected during January 2016 emergency maintenance).

Portions of the channel were cleared of accumulated vegetation and sediment that was scattered throughout the maintenance reach during emergency maintenance in January 2016. Enhancement initiated as part of the maintenance consisted of the removal of a 0.17 acre stand of giant reed in the earthen bottom section located in the west end of the channel (Figure 4-1). Of the acreage of giant reed removed, 0.15 acre of mitigation credit is being given, as 0.02 acre falls within a sewer easement buffer, and is not eligible for mitigation credit under this Plan. Maintenance in the form of sediment (and hence vegetation) removal is estimated to be required once every approximately 8–10 years. There is very limited adjacent native vegetation that would benefit from native revegetation of the channel/basin. Therefore, revegetation of the enhancement area is not proposed. Naturally recruited vegetation would be maintained free of non-native species, thus removing this area as a source of non-native species materials. For this site, the entirety of the giant reed removal area, with the exception of the sewer buffer easement, is being considered enhancement mitigation, due to the downstream benefits that invasive non-native vegetation eradication will have, in the form of reduction of source propagules from the watershed.

Chollas Creek (Figure 4-2; MMP Map 91 and 93)

The Chollas Creek channel (MMP Maps 91 and 93) is located approximately between National Ave. and Ocean View Blvd. within the City of San Diego's Southeastern San Diego Community Planning Area. This mitigation area is outside of the coastal zone and outside of the MHPA (City of San Diego 1997; City of San Diego 2008). This channel section is located within both City and California Department of Transportation (Caltrans) ROW and consists of both earthen and concrete-lined sections. The proposed mitigation areas are within City-owned parcels. The channel was cleared during emergency maintenance conducted from December 2015 to January 2016. Maintenance is estimated to be required every 10 years in the earthen section of Maps 91 and 93). Access is expected to be taken from National Avenue and is located outside of the proposed mitigation areas. A potential secondary access and flood protection area is identified adjacent to Logan Avenue in an area of proposed enhancement. Non-native vegetation treatment in this secondary access/flood protection area is being proposed as a non-credit enhancement area due to the potential for future maintenance impacts.

Land uses adjacent to the channel include open space, commercial, and industrial on both east and west sides of the earthen channel section and residential on the west side of the concrete channel section. In addition, I-15 freeway is located to the east of both channel sections and I-5 freeway is located to the south (Figure 5-2). The maintenance area extends north to south for 2,899 linear feet and has an average bottom width of approximately 50 feet.

All accumulated sediment and vegetation was removed from the channel in order to restore the as-built conditions (i.e., 100% capacity). A 0.05 acre stand of invasive giant reed, located along the west bank of the channel just above where it converts from a concrete-lined to an earthen bottom, was removed. Of the acreage of giant reed removed, 0.02 acre would be maintained/controlled as enhancement mitigation, and 0.03 acre falls within a sewer easement buffer and is not eligible for mitigation credit under this Plan (Figure 4-2). An additional 0.04 acre area of earthen slope encroachment, supporting 100% cover of Hottentot-fig/ice plant *(Carpobrotus edulis)* and located on the western bank of the channel upstream of National Ave., was excavated to re-establish open water jurisdictional aquatic habitat. Of this re-establishment area, 0.02 acre of mitigation credit is being given, as 0.02 acre falls within a sewer easement buffer and is not eligible for mitigation credit under this Plan. The Plan proposes an additional 0.01 acre of enhancement mitigation through removal of the giant reed stands along the east bank of the channel just above where it converts from a concrete-lined to an earthen bottom Excluding sewer buffer easements and maintenance areas, 0.03 acre of enhancement mitigation credit, 0.02 acre of re-establishment mitigation credit will be obtained from this site (Table 2).

Due to the adjacency of the channel to San Diego Bay and the presence of open mudflats and freshwater marsh habitat (prior to 2016 emergency maintenance), it was determined that California least tern (*Sterna antillarum browni*) and Ridgeway's rail (*Rallus obsoletus*) have a moderate potential to occur in the mitigation areas within Chollas Creek, MMP Maps 91 and 93. These species were not observed during the emergency maintenance in 2016 (City of San Diego, 2016a); however, it is recommended that any additional activities within the mitigation areas occur outside of the nesting season for these species to avoid any potential impacts.

The initiated re-establishment and enhancement areas would continue to be evaluated and maintained under this Plan. The re-establishment area will be evaluated for potential sedimentation or establishment of invasive non-native vegetation. Non-native vegetation would be removed and controlled; excess sedimentation may be addressed through authorized channel maintenance or other means approved by the resource agencies. Within the enhancement areas, invasive non-native vegetation areas would be maintained. If additional areas of invasive non-native vegetation are identified and treated in the area, in accordance with this mitigation plan, those areas may be added to the enhancement acreage.

South Chollas Creek (Figures 4-3 to 4-7; MMP Maps 95, 97, 97a, 98, 98a, and 104)

The South Chollas Creek channel (MMP Maps 95, 97, 97a, 98, 98a*, and 104 [*note, Map 98a is not part of the final MMP, but was subsequently numbered for tracking purposes. This site is included in the MMP Conceptual Wetland Restoration Plan analyzed in Program Environmental Impact Report.]) is located east of I-5, south of Ocean View Blvd., and is intersected by South 38th St., South 40th St., and National Ave. The channel area is within the City of San Diego's Southeastern San Diego Community Planning Area. This mitigation area is outside of the coastal zone and outside of the MHPA (City of San Diego 1997; City of San Diego 2008). This concrete-lined channel and earthen section is located within City-owned lands supporting open space, vacant land, and parks; City street ROW; and within City easements on privately owned vacant and residential lands. The channel extends approximately 9,481 linear feet southwest with an average bottom width of approximately 40 feet and a bank-to-bank width of approximately 75-80 feet. Land use surrounding the channel mitigation area is primarily residential with the I-5 freeway to the west (Figures 5-3 to 5-7).

This channel was not maintained during the 2015/16 maintenance period, however, giant reed was removed and select palm trees were cut at the base and removed by equipment located outside of the channel on a section of MMP Map 95 (Figure 4-3) in September 2016 (enhancement initiated). A total of 0.14 acre of enhancement was obtained from this effort. An additional 0.69 acre of enhancement and 0.57 acre of rehabilitation is proposed through

removal of the giant reed stands that are present intermittently throughout the remaining lengths of this channel (Figures 4-4 to 4-7).

While giant reed is proposed to be removed within the entire channel segment (bank-to-bank), the bottom width of the channel within most South Chollas Creek segments may be subject to future maintenance; estimated at every 6-8 years, with the next maintenance currently planned for Fall 2019. This is based on the potential for sediment and vegetation to accumulate in the bottom of the channel, decreasing the capacity of the channel and increasing flood risk of adjacent residential properties and public roadways. Therefore, any giant reed removal that occurs within the channel bottom will not be included in the overall enhancement mitigation acreage for the channel and instead will be counted as a Non-Credit Area. All giant reed-removal opportunities along the banks of the channel are included in the "Additional Proposed Enhancement" acreage of this Plan (Table 2).

Through the reach of channel between the pedestrian foot bridge upstream to National Avenue (Figure 4-4), a portion of the giant reed and other non-native vegetation present occurs on private property without appropriate City easements. The City does not have authority to conduct work on private property without an easement; therefore, no work is planned in these areas. If the City is able to obtain an easement in the future, they may seek credit for these areas.

Due to the adjacency of the channel to San Diego Bay and the presence of freshwater marsh habitat, it was determined that Ridgeway's rail has a moderate potential to occur in the mitigation areas within Chollas Creek, MMP Maps 95 and 97 primarily (potential is low in MMP Maps 97a, 98, 98a, and 104) (City of San Diego 2016a). It is recommended that any additional activities within the mitigation areas occur outside of the nesting season for these species to avoid any potential impacts.

The segment of South Chollas Creek between Marketplace Avenue and Imperial Avenue, shown in the northern portion of the map of Figure 4-6, is proposed for rehabilitation and would receive container plantings (Table 4), in conjunction with the application of the seed mixes shown in Tables 3 and 5 following non-native vegetation removal and initial control. To support newly installed container plants, temporary irrigation in the form of hand watering or an above-ground irrigation system may be utilized. For the remainder of South Chollas Creek (i.e., enhancement areas), the condition of substrate, patch size, flood control risk, and proximity to infrastructure (e.g., sewer lines) will be evaluated. If the substrate is not suitable for planting, the patch size is too small (e.g., less than 500 square feet), or if the channel conditions are such that flood risk from additional plantings would be high or infrastructure (or access to infrastructure) could be compromised, then only erosion control seed mixes shown in Tables 3 and 5 would be utilized.

Paradise Canyon Open Space (Figure 4-8; No Associated MMP Map)

The City owns the majority of the Paradise Canyon Open Space between Woodman Street and Arrowwood Drive (Figures 4-8 and 5-8). Although downstream portions of Paradise Canyon Open Space are located within the MHPA, the potential mitigation areas identified herein are located outside the MHPA on City-owned land. No channel maintenance was performed within this reach of Paradise Canyon Open Space in association with the 2015/16 emergency channel maintenance. Furthermore, this area has not been subject to historical channel/flood control maintenance and has not currently been identified as an area that may require channel maintenance in the future.

The canyon is shallow with an incised channel that is 6–8 feet wide and 3–5 feet deep, with side slopes rising steeply to the north and south where existing residential lots are present. The canyon supports a mixture of native and non-native vegetation. Wetlands are sparse and intermittent through this reach of the canyon, but generally increase in density to the west. Upland vegetation is present immediately outside of the low flow channel and sometimes within the channel. The distribution of vegetation types is indicative of the limited hydrology within the canyon that is available to support wetland vegetation. Increasing wetlands vegetation near Woodman Avenue suggests that hydrology may be suitable for wetlands formation if water velocity and infiltration are effectively addressed in the project design (Dudek 2013; Merkel 2003).

Soils observed on the canyon side slopes appear to consist of cobbly clay. It is assumed that this cobbly material underlies areas adjacent to the channel.

An existing sewer line parallels the canyon bottom, crossing under the channel in several locations. There are three lateral sewer lines that tie into this main sewer line. There are several storm drain pipes that end on the sides of the canyon. One of these pipes outlets is at a concrete headwall. City access roads supporting access to sewer maintenance and providing pedestrian trails through the canyon are also present. This Plan proposes non-native plant species control in areas of existing utility access routes, or within the sewer maintenance easement (10 feet on either side of the sewer lines and associated infrastructure) in order to effectively engage the rehabilitation sites, where polygons of non-native plant species to be removed extend into the sewer buffer zones. The Plan proposes 0.43 acre of non-native plant species control where non-native species within the access routes and easements will be removed as part of this project, however, no mitigation credit will be given for these areas. Approximately 1.32 acres of wetlands rehabilitation credit is identified within this canyon, as shown in Figure 4-8 and Table 2, outside of City access routes and sewer buffers.

For this site, container plantings are proposed where feasible (Table 4), in conjunction with the application of the seed mixes shown in Tables 3 and 5 following non-native vegetation removal and initial control. To support newly installed container plants, temporary irrigation in the form of hand watering or an above-ground irrigation system may be utilized.

3.3 Biological Functions and Services Created by Mitigation Implementation

The proposed mitigation activities will reduce the presence of invasive non-native vegetation, with the majority by acreage, comprised of giant reed. Other invasive non-native plant species addressed in lesser numbers include palms, castor bean (*Ricinus communis*), salt cedar (*Tamarix ramosissima*) and various herbaceous wetland and upland annual and perennial weeds. Initial removal, will be followed up by control of non-native vegetation during the five-year maintenance and monitoring period. Control of these species will remove propagules from the channels, which have the potential to colonize downstream areas, displacing native habitat. The addition of seeding in specified areas will provide erosion control and competition for non-native species.

The area of wetland re-establishment identified at the Chollas Creek Map 93 site was previously occupied by invasive Hottentot-fig/ice plant. Sloughing of the creek bank in that area resulted in a loss of wetland area and function. As described under Section 3.2, this area was excavated during emergency maintenance activities to re-establish the channel bed and banks and rehabilitate open water jurisdictional habitat. This open water habitat provides numerous functions including increased flow conveyance and aquatic habitat. Future maintenance may occur in this area to remove accumulated sediment and maintain the open water habitat re-established under this plan.

At the Paradise Canyon Open Space site, rehabilitation will consist of removal and subsequent control of invasive non-native plant species such as various palms, acacia (*Acacia* spp.), Brazilian pepper tree (*Schinus terebinthifolius*), salt cedar and other species in lesser numbers. The rehabilitation areas will receive treatment with seed mixes shown in Tables 3 and 5, and container plants as shown in Table 4, as appropriate.

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4 SITE SELECTION CRITERIA

Site selection followed an exhaustive search for mitigation within and in close proximity to the channel maintenance footprints, with the intent of providing an efficient means of meeting mitigation requirements. There are no active mitigation banks with service areas covering the watersheds where impacts occurred. The City of San Diego Public Utilities Department Stadium Mitigation Site is the nearest source of mitigation, but credits are not planned for release until Spring 2018. Rancho Jamul Mitigation Bank includes a service area that would cover all project impacts, but mitigation credits are not currently available, and the next credit release is also not expected until late 2018. Development of any new mitigation site(s) would likely require 2–4 years of planning and approvals prior to implementation. In contrast, the emergency channel maintenance areas are within the purview of T&SWD to manage on an immediate basis. Therefore, the selected sites provide the most expeditious form of mitigation available.

T&SWD has a broad mission to not only reduce flood risk but also improve water quality. The proposed mitigation has been evaluated by T&SWD to ensure that commitments made to improve habitat conditions within these facilities can be maintained over the long-term. The proposed mitigation helps T&SWD accomplish its goal of reducing flood risk. Providing mitigation within channel areas that have been subject to maintenance ensures that mitigation directly benefits the resource conditions where the maintenance impacts occurred, including reduction in the number of invasive non-native plant species propagules and seed within the watershed. Non-native vegetation presence can contribute to altered hydrology and hydraulic conditions, which often result in poor drainage, flooding of urban areas, and releases of pollutants. Invasive non-native vegetation also can contribute to economic blight. Restoration of these urban streams, by contrast, will improve habitat, water quality, and potentially socioeconomic conditions. This approach is supported by stakeholders as a means to improve urban stream channel conditions.

Multiple sites were considered for the additional enhancement not already initiated as part of emergency channel maintenance actions. T&SWD's purview extends to most but not all drainage channels throughout the City; potential mitigation areas were initially selected from existing drainages that are managed by T&SWD for flood control risk. Since most of the impacts requiring mitigation occur within the Pueblo watershed, that watershed was selected for mitigation.

Within the central and southern portion of the Pueblo watershed, numerous restoration sites have been identified in the Chollas Creek Enhancement Program (City of San Diego 2002). Five of the proposed mitigation sites are located within the Chollas Creek Enhancement Program area (Figure 4). The program calls for habitat restoration, rehabilitation, and reconstruction (in hardscape areas). Non-native plant species removal and control is a component of each of these program elements.

Projects within the program are being implemented incrementally by numerous entities. The City continues to cooperate with public agencies, non-profits, and for-profit mitigation banking entities and may implement additional mitigation through these efforts.

The primary drainage within the Pueblo watershed is Chollas Creek, which includes the Auburn Creek, Encanto Creek, and South Chollas Creek branches. RGP 63 authorizations were granted for the upper (Maps 67 and 68), middle (Map 70), and lower reaches (Map 77) of Auburn Creek. Additional non-native vegetation is present between Map 67/68 but largely occurs within a concrete-lined trapezoidal channel that will likely require additional maintenance and possible improvements in the future. Therefore, Maps 67/68 were excluded. The only other large stand of non-native vegetation occurs within Map 70. However, Map 70 is proposed for routine maintenance in Fiscal Year 19, and these future activities may impact any proposed mitigation. Therefore, Auburn Creek is not proposed as enhancement mitigation in this plan.

South Chollas Creek was evaluated for presence of non-native vegetation. The upper watershed (east of I-805) supports relatively sparse occurrences of non-native vegetation, with the exception of a narrow segment adjacent to Federal Ave. The greatest concentration occurs between I-5 and I-805 and, therefore, this area was targeted for mitigation. Maps 95, 97, 97a, 98, 98a, and 104 are accessible, the removal of non-native vegetation would reduce flood risk, and the channel is earthen bottom (except for Map 104) with some adjacent native vegetation, thus providing a relatively high likelihood for overall functional gains to be accomplished through the proposed mitigation.

Encanto Creek drains into South Chollas Creek. Jamacha Channel (Maps 113, 114, and 115) represents the upper portion of Encanto Creek. Jamacha Channel occurs in an area of relatively wide City ownership/right-of-way due to the past planned transportation element in that location. This additional land allows for the potential development of additional mitigation; however, significant flood risks are also present and require analysis before a mitigation plan for stream expansion can be proposed. The City Public Works Department is undertaking this analysis. This current mitigation plan does not include mitigation at the Jamacha Channel.

The downstream portion of Chollas Creek (Maps 91 and 93) were authorized for emergency channel maintenance. Re-establishment (open water creation) and enhancement (non-native vegetation removal) was already initiated as mitigation as described previously in this Plan. Farther upstream, the channel is mostly concrete-lined up to Federal Boulevard, except for a segment that is under Caltrans management. From Federal Boulevard northeast to 54th Street, the channel is largely in a natural condition, with relatively sparse non-native vegetation cover and limited access. Upstream of 54th Street, the channel is largely piped or in a concrete-lined channel, with the exception of a segment upstream of College Avenue that includes Map 71.

The Paradise Canyon Open Space site was identified as potential mitigation in studies conducted by Merkel and Associates in 2003 and 2006 (Merkel 2003; Merkel 2006), and by Dudek in 2013 (Dudek 2013). It is located outside the Chollas Creek sub-watershed, but within the larger Pueblo watershed. All open space associated with the Paradise Canyon drainage is located within City of San Diego Park and Recreation ownership. The Merkel and Dudek reports included evaluation of opportunities throughout the City's ownership. The proposed enhancement and rehabilitation holistically addresses all stands of non-native vegetation within the open space associated with this drainage.

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5 WORK PLAN

Implementation and maintenance activities will be conducted as outlined herein at the proposed mitigation areas to promote successful compensatory mitigation in satisfaction of RWQCB and DSD regulatory requirements.

5.1 Project Implementation Personnel

5.1.1 Permittee/Project Manager

City of San Diego T&SWD is the permittee and as such will oversee mitigation implementation and will be responsible for the successful completion of this mitigation and monitoring program. Project management will be provided by T&SWD, who shall be financially responsible for implementation and management of this project.

5.1.2 Project Biologist

The Project Biologist will review all aspects of pertinent project documents, including, but not limited to, site mapping, submittals, scheduling of formal site observations, and lines of communication, prior to project implementation.

The Project Biologist will oversee and coordinate implementation of this mitigation plan, interpret said plans, conduct field monitoring of project implementation, and perform biological monitoring throughout the maintenance and monitoring period. The Project Biologist shall possess specific knowledge and demonstrate experience with mitigation projects. The Project Biologist shall possess at least five years of habitat restoration experience in Southern California.

The Project Biologist will inform all project personnel prior to implementation of this mitigation plan of all on-site environmental and regulatory restrictions and conditions. The Project Biologist will inform all project personnel of the presence or potential presence of sensitive species and vegetation communities within or adjacent to the project areas, as well as any potential dangers on site. Information about federal, state, and local laws relating to these biological resources will be discussed as part of personnel education. Access and staging areas will be established outside of environmentally sensitive areas.

Biological monitoring will occur throughout the mitigation implementation. Monitoring time may increase or decrease as required by field conditions and implementation activities. During implementation, the Project Biologist, via the T&SWD project manager, will have authority to stop work in situations where biological resources not authorized to be impacted are in imminent danger of impacts from adjacent construction activities. Each site visit will be documented in a

site observation report that will note restoration installation activities relating to the restoration plan and any project deficiencies.

The Project Biologist shall conduct on-site monitoring visits throughout the maintenance and monitoring period to assess progress, document project deficiencies, and provide recommendations for remedial measures. Each monitoring visit will include a qualitative assessment of maintenance work and will include remedial recommendations as necessary to help ensure each year's performance criteria are met. Monitoring of the restoration program will be performed in accordance with the resource agency requirements and this Plan.

5.1.3 Restoration Contractor

T&SWD will serve as the Restoration Contractor or will hire a qualified Restoration Contractor to implement the mitigation and maintenance. If implemented by a contractor, mitigation activities and associated labor shall be provided by a contractor possessing a valid California landscape contractor's license, who has previous experience with native habitat restoration in the region, and who can demonstrate at least three successful similar restoration projects in Southern California. The contractor must be able to identify California native plants and common weed species and demonstrate knowledge of habitat restoration techniques. Alternatively, T&SWD may designate a non-profit entity or perform the work through T&SWD department labor.

The contractor will be responsible for conformance to (1) this mitigation plan, and (2) regulatory agency permit requirements. The contractor's responsibility for installation will continue until successful completion and final acceptance by T&SWD and the Project Biologist at the end of the initial implementation effort. The contractor will not be released from contractual obligations for installation until written notification is received from T&SWD that all required implementation tasks as defined in the implementation contract, this mitigation plan, and the project requirements have been successfully completed.

After initial implementation, T&SWD will provide five years of maintenance services or will contract for such services to be performed by a qualified contractor that specializes in native habitat restoration or maintenance designee of their direction. Maintenance work shall be performed as indicated herein and per the Project Biologist's recommendations. T&SWD may choose to hire a maintenance contractor that is separate from the implementation contractor, designate a non-profit entity, or utilize T&SWD crews.

6 MITIGATION IMPLEMENTATION

While many of the mitigation areas were subject to non-native vegetation removal during authorized emergency channel maintenance, invasive non-native plant species are likely to have re-established in most, if not all, of these sites. Therefore, this Plan for initial removal applies to all mitigation areas, although greater volumes of biomass will need to be removed from those sites that were not previously maintained.

The one area of wetland re-establishment located at Chollas Creek Map 93 was initiated during emergency channel maintenance for that project area. At the time of this report, that area is self-sustaining as open water/wetland habitat, so no additional site preparation/installation is recommended.

6.1 Initial Invasive Non-Native Species Removal

The contractor will be responsible for performing adequate biomass removal of invasive non-native species within the mitigation areas, as directed by the T&SWD project manager and the Project Biologist. Invasive non-native vegetation control will focus on giant reed and other non-native species in lesser numbers throughout the work areas as directed by the Project Biologist. Initial removal and control will include use of hand tools such as machetes, chainsaws, string trimmers, or other hand tools and be followed with treatments of appropriate herbicides on the cut stumps as determined by the T&SWD project manager and the Project Biologist. Specific herbicide application rates and methods will be based on manufacturer specifications and will follow the general guidelines summarized below.

- Herbicides will be applied in a manner that ensures that each plant receives a comprehensive and fully effective treatment, and that re-sprouting from root materials is minimal. Application methods will follow manufacturer specifications regarding application and safety procedures. Herbicide application will only be performed by licensed applicators and comply with state and local regulations. All application tasks will be performed by or under supervision of a licensed applicator with the Pest Control Business License issued by the State of California Department of Parks and Recreation (DPR) and registered with the County Agricultural Commissioner.
- Application will consist of: (1) spot applications to individual plants where weed coverage is sparse and (2) broadcast applications to dense patches of weed species. Applications should be on a spray-to-wet basis and coverage should be uniform and complete. Contact with native shrub and grass species should be avoided as much as possible; in the event of gusty winds or winds in excess of five miles per hour (mph), all work will be temporarily discontinued to protect applicators and adjacent natural

resources. Treatments should also be temporarily discontinued in the event of rainfall since rainfall reduces the effectiveness of the herbicide.

- Sprayed vegetation should be left undisturbed for seven days to allow the herbicide to be distributed throughout the entire plant. Visible effects of herbicide application consist of wilted foliage, brown foliage, and disintegrated root material.
- All treated plant materials should be removed by a string trimmer or other appropriate equipment and disposed of off-site within a landfill or other approved facility.
- Herbicide application will not occur if wind speeds on site are greater than five mph or 48 hours prior to predicted rain. In the event that rain does occur, herbicide application will not resume again until 72 hours after rain.
- If necessary, the steps listed above should be repeated two to three times every two to three weeks following the initial treatment to remove seedling weed species.

Crews shall work in a manner that will avoid incidental release of slash or propagules downstream. All cut biomass shall be removed from the channel and surrounding work site, and disposed of appropriately off-site.

While slash may be temporarily stockpiled in staging areas adjacent to the channel work sites, any slash present must be removed if a significant precipitation event is forecasted, and the slash is at risk of being washed into the channel.

6.2 Native Seed Mix

Mitigation areas determined by the Project Biologist to be vulnerable to erosion may be vegetated with native species shown in Table 3 and 5. In general, all areas where non-native vegetation removal takes place shall be seeded where feasible, with the exception of the Washington 84 site, due to on-going sedimentation, and in locations where non-native vegetation removal overlaps with existing sewer easements/access routes.

The seed mix shown in Table 3 is intended for application on lower channel slopes associated with other native vegetation. If not all species shown in Table 3 are available at the time of application, species may be substituted in consultation with the Project Biologist. Some species may not be available as seed at the time of initial project installation. If some species are not available at the time of installation, they will be obtained when available, and applied at a later date under direction of the Project Biologist. Substitutions for appropriate alternative native species may also be utilized as approved by the Project Biologist.

Table 3
Transitional Wetland Treatment Seed Mix

Seed Mix			
Botanical Name	*Common Name*	*Minimum Pure Live Seed (PLS)*	*Pounds Per Acre*
Ambrosia psilostachya	*western ragweed*	*6*	*6*
Distichlis spicata	salt grass	70	6
Elymus triticoides	creeping wild rye	80	7
Encelia californica	California brittlebush	25	5
Isocoma menziesii	coast goldenbush	15	5
		Total Pounds per Acre	**29**

It is not appropriate to apply seed to the bottom of the channels as all of the mitigation areas are subject to dry weather flows and are generally located where there is a high degree of sediment accretion. It is unlikely that seed applied to the bottom of the channels would germinate. The natural condition within the bottom of most channel areas is an unvegetated stream channel with varied composition of cobbles, gravel, sand, and clay. In addition, establishment of additional plants within the channel bottom could potentially reduce the desired flood control capacity of the channels.

6.3 Native Seed Installation

Labels for each seed delivered to the site will be inspected and approved by the Project Biologist prior to mixing and application. Seed shall be hand broadcast and raked into the top 0.5 inch of the soil surface.

All seeds will be clearly labeled showing type of seed, test date, the name of the supplier, and percentage of the following: pure seed, crop seed, inert matter, weed seed, noxious weeds, and total germination content. All material will be delivered to the site in original, unopened containers bearing the manufacturer's guaranteed analysis. All seed mixes will be stored in a dark, cool place and not be allowed to become damp.

Installation between the months of October to January is ideal for allowing establishment during the cooler and wetter time of the year. However, with the implementation of supplemental watering, installation at any time of the year is possible, if necessary.

Prior to installation of native seed in specified areas, the soil surface shall be cleared of any existing weeds or thatch, so that mineral soils are exposed. The surface shall be raked/roughened as-necessary to provide optimal soil-seed contact and adhesion. Additional site preparation activities may be specified by the Project Biologist on a site-specific basis.

Once specified sites have been prepared appropriately for installation of seed, seeding may occur under direction of the Project Biologist. Seed may be applied by hydroseed mix application or by hand broadcast depending on site conditions and accessibility, per the Project Biologist's recommendations.

Additional seed may be hand broadcast if the seed of selected species is not available at the time of initial seed installation. The contractor should consult the Project Biologist in the event that a given species on the plant palette will not be available for inclusion into the initial seed mix installation.

6.4 Container Plant Installation at Paradise Canyon Open Space and South Chollas Creek (Rehabilitation Areas)

In addition to the utilization of seed mixes shown in Tables 3 and 5, container plants (Table 4) are proposed within areas proposed as rehabilitation. These areas include the Paradise Canyon Open Space mitigation site, in the polygons shown in purple on Figure 3-8 (in the vicinity of Deep Dell Road) and at the South Chollas Creek channel, in the polygons shown in the northern portion of Figure 3-6 (between Imperial and Marketplace Avenues).

Table 4
Container Plant Palette

Container Plants				
Botanical Name	*Common Name*	*Container Plants*	*Average Spacing (feet on center)*	*Number of Individuals*
Baccharis salicifolia	mulefat	1 gallon	8	TBD
Elymus condensatus	giant wild rye	1 gallon	6	TBD
Pluchea sericea	arrowweed	1 gallon	10	TBD
Rosa californica	California wildrose	1 gallon	5	TBD
Rubus ursinus	California blackberry	1 galloon	5	TBD
Sambucus nigra caerulea	blue elderberry	5 gallon	15	TBD
			Total Individuals	**TBD**

Exact quantities and locations of container plant installation will be determined upon completion of non-native vegetation removal, when the as-built footprint of the enhancement polygons are finalized.

All container plants will be checked for viability and general health upon arrival at the Mitigation Site by the Project Biologist. Plant materials not meeting acceptable standards of health as visually determined by the Project Biologist will be rejected. Reasons for rejection of plant material may include: root-bound in the container, damaged foliage or stalks, diminutive

stature, or signs of disease or pests. Plant species and quantities will be confirmed after delivery by the Project Biologist.

Planting design and container plant layout shall be randomly patterned (as opposed to rows), to create a natural patchiness that is typical within the target plant community. The installation contractor shall lay out container plants in groupings by species, ranging from three to six plants per grouping. The Project Biologist shall inspect the locations and adjust placement of groupings, if necessary.

Standard planting procedures will be employed for installing container plants. Holes approximately twice the width of the rootball of the plant and the same depth will be dug using a post hole digger or power auger. If no soil moisture is present, holes will be filled with water and allowed to drain immediately prior to planting. Backfill soil containing amendments (per formal soils analysis recommendations and as directed by the Project Biologist) will be placed in every planting hole following soaking, and container plants will be installed so that the root ball is below grade with the crown one inch above grade. Plants will be thoroughly watered in to settle backfill around the plant rootball.

Supplemental irrigation is recommended to support container plant survival and establishment at the South Chollas Creek Channel planting area and at Paradise Canyon Open Space. Supplemental irrigation may be in the form of an above-ground temporary irrigation system or by hand watering. If installation of a temporary above-ground irrigation system is selected, a construction document shall be prepared, depicting the system component lay-out, including identification of feasible point(s) of connection.

For any areas over, or immediately adjacent to utilities or utility easements, the seed mix shown in Table 5 may be utilized for erosion control as necessary, as it does not consist of any deep-rooting plants which may impact buried utilities. This is required in order to comply with Section 3.3.3.1 of the Sewer Design Guide (PUD 2015), which states that:

a. No trees shall be planted within 10 feet of any sewer main or lateral.
b. No shrubs that mature over 5 feet in height shall be planted within 5 feet of any sewer main or lateral.

6.5 Erosion Control BMPs

Based on specific site conditions, the Project Biologist may also specify erosion control BMPs, such as 100% degradable fiber rolls or silt fences, to be used where determined necessary in order to effectively reduce the mobilization and transport of sediments and pollutants from the mitigation sites during initial implementation and during the maintenance and monitoring period.

With the exception of silt fences, erosion control BMPs shall be made of 100% biodegradable materials. No plastic netting for straw wattles or fiber blankets is allowed due to wildlife entrapment potential.

A ready-made native erosion control seed mix is recommended for areas not proposed as mitigation credit (e.g., within utility easements). An example is the "Basic Native Erosion Control Mix" by S&S Seeds, shown in Table 5, which can be found at: http://www.ssseeds.com/product/Basic-Native-Erosion-Control-Mix.aspx. A similar substitute may be used per consultation with the Project Biologist. Seed is recommended to be broadcast at 32 pounds per acre. This is a general, non-habitat forming native erosion control seed mix appropriate for either upland or transitional areas (e.g., upper bank slope or top of the bank), as well as over utility easements, due to its shallow rooting. A non-habitat forming seed mix is required so as not to reduce the flood conveyance capacity of the facility.

Table 5
Erosion Control Treatment Seed Mix (See S&S website for specific details)

Seed Mix			
Botanical Name	*Common Name*	*Minimum PLS*	*Pounds Per Acre*
Bromus carinatus "Cucamonga"	Cucamonga brome	NA	NA
Festuca microstachys	small fescue	NA	NA
Trifolium ciliolatum	tree clover	NA	NA
		Total Pounds per Acre	**32**

6.6 Project Implementation Completion Verification

T&SWD and the Project Biologist shall review the sites upon completion of the initial non-native vegetation biomass removal, herbicide control and native seed/ erosion control BMP installation (if applicable). The site review shall evaluate compliance with the initial implementation effort with methods outlined in this Plan. Upon acknowledgement from T&SWD and the Project Biologist that the initial implementation has been satisfactorily completed, the project will begin its five-year maintenance and monitoring period.

7 MAINTENANCE PLAN

Following completion of initial implementation efforts, a five-year maintenance and monitoring period will occur, which will include trash removal, non-native plant species control, and additional seeding if warranted. Sediment removal may also be required in order to maintain the re-establishment acreage at the Chollas Creek Map 91 and 93 site. Monitoring will occur by the Project Biologist, which will include site observation reports with maintenance recommendations to the contractor. Annual reports will be provided for years one through five of the maintenance and monitoring period.

Although some initial non-native vegetation removal occurred at some locations, follow up maintenance has not been conducted on a regular schedule; however, it has occurred in some cases, as crews have been available. For purposes of implementing this mitigation plan, Year 1 will begin for all sites following approval of this mitigation plan.

7.1 Maintenance Guidelines

Site maintenance shall occur regularly throughout the maintenance and monitoring period, as directed by the Project Biologist. A minimum maintenance schedule is shown in Table 6; however, regular monitoring will occur through the five years, and the monitors may recommend that maintenance occur more often. In summary, the sites will be visited by monitors every two months following initial treatment for the first year. Monitors will advise maintenance crews on maintenance requirements, which will be implemented in between bimonthly monitoring visits. Monitoring will then occur quarterly, with recommended maintenance occurring in between quarterly monitoring visits. In general, it is expected that regular (bimonthly) follow-up herbicide treatments will be required following the initial non-native vegetation removal for approximately one year. Quarterly re-applications of herbicide are expected to be needed in Year 2 and possibly Year 3. Following 2-3 years of regular herbicide application, re-sprouts are expected to be minimal and could likely be addressed through annual or biannual (every six months) maintenance. All maintenance performed throughout the year must comply with applicable wildlife restrictions, such as the Migratory Bird Treaty Act (MBTA). If the Project Biologist determines that certain maintenance activates cannot be performed in compliance, work must be postponed until conditions allow, or until the restrictive period has ended for the season.

Table 6
Schedule of Minimum Maintenance and Monitoring

Tasks	Year 1	Year 2	Year 3	Year 4	Year 5
Maintenance Tasks					
Weed Abatement	Bimonthly	Quarterly	Quarterly	As-Needed	As-Needed
Erosion Control	As-Needed	As-Needed	As-Needed	As-Needed	As-Needed
Site Cleanup and Maintenance	Bimonthly	Quarterly	Quarterly	As-Needed	As-Needed
Revegetation Monitoring	Bimonthly	Quarterly	Quarterly	Quarterly	Quarterly

7.1.1 Weed Control

Non-native plant control measures will include the following: (1) hand removal, (2) cutting with mechanical devices, and (3) herbicide application. Weeds should be controlled when plants are 6–12 inches tall or when they can be positively identified, and prior to the formation of seed heads or significant biomass.

The maintenance contractor should coordinate with the Project Biologist to identify weeds for removal if necessary. Chemical herbicide control will be used for perennial species that are low growing and are difficult to remove. Any herbicide treatment must be applied by a licensed pest control applicator. Additional weed control description is also found in Sections 6.1.

7.1.2 General Site Maintenance

Pruning or clearing of native vegetation will generally not be allowed within the mitigation areas. Dead biomass and plant litter will not be removed and will be left in place under the scope of this task unless it poses a flooding hazard. If dead vegetation accumulates in such a way as to block a culvert or pipe or pose a flooding hazard, it may be removed under direction of the Project Biologist. Trash will be removed from the mitigation areas by hand on a regular basis. Trash consists of all anthropogenic materials, equipment, or debris dumped, thrown, washed, blown, and left within the mitigation areas.

As described in Section 6.5, erosion control BMPs will be used where necessary to reduce erosion. In addition, areas identified on the final construction documents as having higher than average erosion potential due to flow velocities or associated terrain should be vigilantly monitored following storm flow events. If specific erosion issues are noted, additional erosion control BMPs may be deployed, in coordination with the Project Biologist.

7.2 Potential Flood Control Maintenance Activities

A description of each mitigation site's relation to future flood control activities is discussed in Section 3.2. The Washington Channel mitigation area would be subject to direct impacts from channel maintenance. Other mitigation areas are adjacent to channel maintenance areas and may be impacted directly (such as for access) or indirectly. Mechanized channel maintenance in these areas shall be monitored by a Project Biologist to ensure that the integrity of the mitigation site to remain free of invasive non-native vegetation is maintained. This would include avoidance of channel maintenance within mitigation areas, where feasible. Where infeasible, channel maintenance should be minimized and limited to removal of non-native vegetation and trash/debris only. If sediment or native vegetation removal is required, the mitigation areas should be re-assessed for impacts to native vegetation, mitigation function, and erosion control risk. If the mitigation site is adversely affected, replacement mitigation and/or adaptive management measures should be implemented, in coordination with the resource agencies. Invasive non-native plant species recruitment may increase following channel maintenance and therefore the maintenance schedule may need to be adjusted to provide more visits for removal and treatment.

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8 ECOLOGICAL PERFORMANCE STANDARDS

The overall goal of this mitigation plan is to 1) provide enhancement in the form of invasive non-native vegetation biomass removal and subsequent control, 2) establish native plant species in rehabilitation areas, and 3) re-establish jurisdictional area to provide additional flow conveyance area and associated functions. To assess these goals and monitor the progress of the mitigation sites, qualitative biological monitoring is proposed. Performance criteria will focus on measuring these objectives.

To assess the non-native vegetation control effort, the Project Biologist shall review the sites on a quarterly basis throughout years one through five. Percentage of cover by invasive non-native plant species shall be visually estimated and recorded. Progress of the control efforts shall be presented in each year's annual report. In addition, the re-establishment area will be assessed to ensure that it remains a jurisdictional stream channel in terms of ACOE hydrology indicators (e.g., surface water, aquatic invertebrates, drainage patterns). As long as the channel morphology is maintained, the area is expected to continue to receive both tidal and upstream flows and support open water habitat. Performance criteria for enhancement, rehabilitation, and re-establishment sites are shown in Tables 7, 8, and 9 respectively.

Table 7
Enhancement Site Performance Criteria

Year	Maximum Percent Annual Non-Native Plant Species Cover	Maximum Percent Perennial Non-Native Plant Cover
1	25	15
2	20	10
3	15	5
4	10	0
5	5	0

Table 8
Rehabilitation Site Performance Criteria

Year	Minimum Percent Native Plant Cover	Maximum Percent Annual Non-Native Plant Species Cover	Maximum Percent Perennial Non-Native Plant Cover
1	15	25	15
2	30	20	10
3	40	15	5
4	50	10	0
5	60	5	0

Table 9
Re-Establishment Site Performance Criteria

Year	ACOE Hydrologic Indicators (Must maintain at least 1 primary OR 2 secondary indicators in any given year)	
	Primary Hydrology Indicator[1]	*Secondary Hydrology Indicator*[2]
1	1 required	2 required
2	1 required	2 required
3	1 required	2 required
4	1 required	2 required
5	1 required	2 required

1 Primary indicators include surface water, high water table, saturation, surface soil cracks, inundation visible on aerial imagery, water-stained leaves, salt crust, biotic crust, aquatic invertebrates, hydrogen sulfide odor, oxidized rhizospheres along living roots, presence of reduced iron, or thin muck surface

2 Secondary indicators include water marks, sediment deposits, drift deposits, drainage patterns, dry-season water table, crayfish burrows, saturation visible on aerial imagery, shallow aquitard, FAC-neutral test

9 MONITORING REQUIREMENTS

The Project Biologist will conduct quarterly inspections during years one through five. Recommendations by the Project Biologist for maintenance efforts will be based upon site observations and will include assessment of and recommendations to improve or repair project items, including those listed below. Additional maintenance visits may be recommended if interim performance criteria are not being met.

9.1 Biological Monitoring

Monitoring will consist of qualitative field monitoring visits conducted by the Project Biologist to assess performance criteria as outlined in Section 8.

Qualitative monitoring will be conducted quarterly by the Project Biologist to determine if the site is meeting interim and final performance standards. If mitigation efforts fail to meet the performance standards in any given year, the Project Biologist will recommend remedial actions to bring the site into compliance.

Monitoring activities will include regular evaluation of weed species establishment. No plant species listed as problematic and/or invasive by the California Native Plant Society (CNPS), the California Invasive Plant Council, or the State of California shall be allowed to naturalize or persist in the mitigation site. No plant species listed as a "noxious weed" by the State of California or the U.S. Federal Government shall be planted or allowed to naturalize or persist within the mitigation site.

In addition to assessments of performance criteria outlined in Section 8, photo documentation of all mitigation sites shall occur, as outlined in the *San Diego Water Board Stream Photo Documentation Procedures for 401 Water Quality Certifications Standard Operating Procedures (SOP)* (RWQCB 2001). This SOP is included as Appendix B.

Following each site visit, the Project Biologist shall generate a brief Site Observation Report, detailing the condition of the site and any maintenance and/or remedial actions recommended to support the project in meeting its annual performance goals. Copies of the Site Observation Report shall be provided to T&SWD and the contractor.

9.2 Monitoring Schedule

Following the completion of implementation, the mitigation effort should be qualitatively assessed quarterly, during years one through five, to determine performance of the project. Annual reports will be produced at the end of each year (Table 10).

Table 10
Monitoring Site Visit Schedule

Year	Frequency	Annual Report
1	Quarterly	December
2	Quarterly	December
3	Quarterly	December
4	Quarterly	December
5	Quarterly	December

9.3 Data Collection Methods

Monitoring visits during all years will be conducted to evaluate project performance, and prescribe any necessary remedial measures. Qualitative evaluation will assess general condition and repair of the sites and be communicated to the maintenance contractor. Percent cover of native and non-native plant species will be assessed by visual estimate. The hydrology portion of a jurisdictional delineation will be conducted for the re-establishment site. No quantitative data collection, such as transects or quadrats, is proposed.

9.4 Annual Reports

An annual biological monitoring report outlining the results of the progress of the mitigation sites will be submitted to T&SWD to be shared with applicable permitting regulatory agencies at the end of each year on the anniversary date of completion of project installation, or at the end of the calendar year (December). The annual monitoring reports will include the following: a description of the existing conditions of the mitigation sites derived from qualitative data, a comparison of annual success criteria with field conditions, any shortcomings of the mitigation program, and recommended remedial measures necessary for the successful completion of the mitigation project. Each annual report will provide a summary of the accumulated data.

Per RWQCB reporting requirements, annual reports shall include:

1. Names, qualifications, and affiliations of the persons contributing to the report.
2. An evaluation, interpretation, and tabulation of the parameters being monitored, including the results of the Mitigation Plan monitoring program, and all qualitative data collected in the field.
3. Monitoring data interpretations and conclusions as to how the compensatory mitigation project(s) is progressing towards meeting performance standards and whether the performance standards have been met.

4. Comparisons of current mitigation conditions with preconstruction conditions and previous mitigation monitoring results.
5. Results from the Stream Photo Documentation effort (See Section 8 and Appendix B).

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10 COMPLETION OF MITIGATION

When monitoring indicates the project has met the final performance criteria, T&SWD will notify the RWQCB, ACOE, and DSD upon submitting the last annual report.

Following final project acceptance by permitting regulatory agencies, the sites will receive periodic monitoring and maintenance on an as-needed basis to maintain the integrity of the mitigation sites in compliance with the intended objectives of this Plan. Ongoing monitoring and maintenance will occur as part of T&SWD's overall mission and areas of responsibility. As long as the mitigation sites continue to meet performance standards outlined in this plan, the sites will be considered as continuing to provide mitigation for impacts outlined herein.

10.1 Regulatory Agency Confirmation

Following receipt of the notification of completion, RWQCB, ACOE, and DSD may visit the mitigation sites to confirm the completion of the mitigation effort and to verify compliance requirements.

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11 ADAPTIVE MANAGEMENT PLAN

If the final success criteria are not met due to unforeseen changes in site conditions or other components of the mitigation plan, the Project Biologist in consultation with T&SWD will prepare an analysis of the cause(s) of failure(s) and propose remedial actions to correct the problems. An additional 0.18 acre of mitigation beyond the required acreage is proposed as contingency to provide additional mitigation if required (and authorized) by resource agencies or in the event of mitigation conflicts or underperformance of mitigation at other locations. If the minimum mitigation acreage has not met the performance criteria, T&SWD maintenance and monitoring obligations will continue until final project approval/ confirmation is obtained.

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12 REFERENCES

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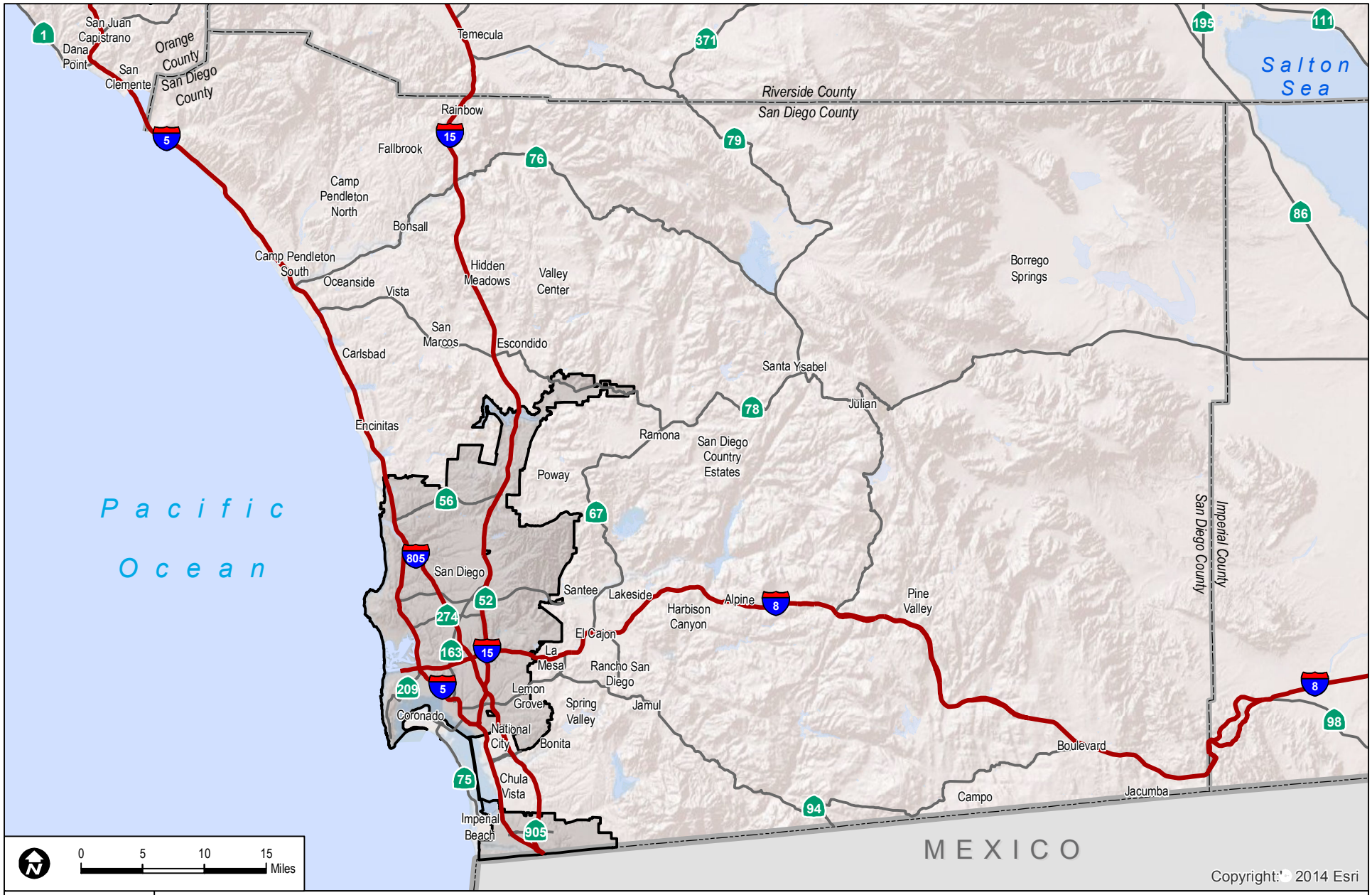

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FIGURE 1

Regional Map

Wetlands Mitigation Plan for 2015/16 Emergency Channel Maintenance - City of San Diego

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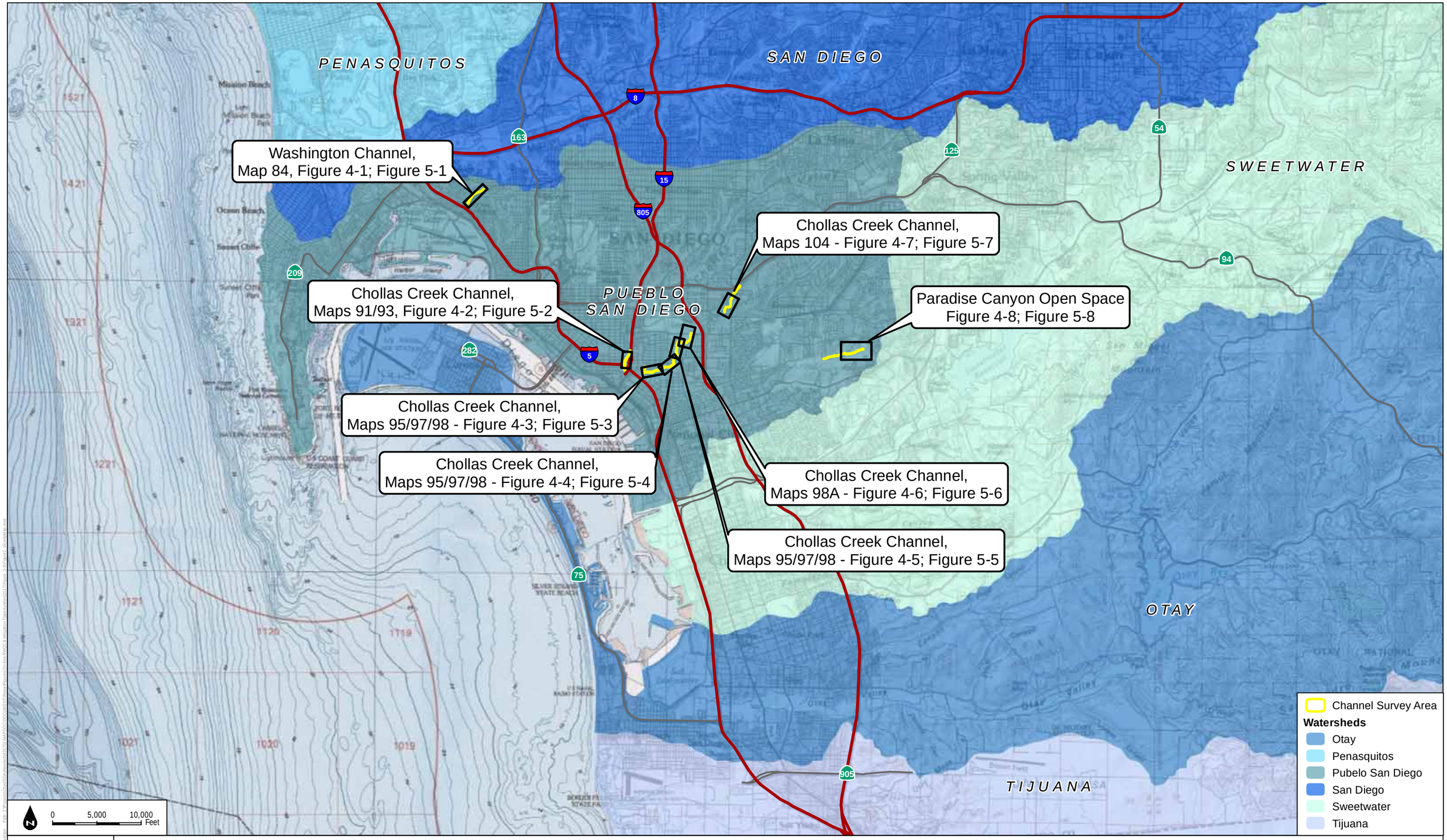

SOURCE: USGS, 2016; SANGIS, 2015.

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FIGURE 2

Vicinity Map/Index Map

Wetlands Mitigation Plan for 2015/16 Emergency Channel Maintenance - City of San Diego

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Washington Channel
MMP Map No.:84

Chollas Creek
MMP Map No.:71

Auburn Creek
MMP Map No.:77

Auburn Creek
MMP Map No.:70

Jamacha
MMP Map No.: 115

Chollas Creek
MMP Map No.: 91, 93

Cottonwood Creek
MMP Map No.: 120, 121

Parkside
MMP Map No.:122

Authorized Emergency Impact Areas

Watersheds

- OTAY
- PUEBLO SAN DIEGO
- SAN DIEGO
- SWEETWATER

0 0.5 1 Miles

SOURCE: USGS, 2017; Bing, 2017.

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FIGURE 3

Emergency Maintenance Authorization Locations

Wetlands Mitigation Plan for 2015/16 Emergency Channel Maintenance - City of San Diego

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SOURCE: City of San Diego 2018; SanGIS 2018; SANDAG Imagery 2017

Figure 4-1

Washington Channel, Map 84 - Wetlands Mitigation Areas

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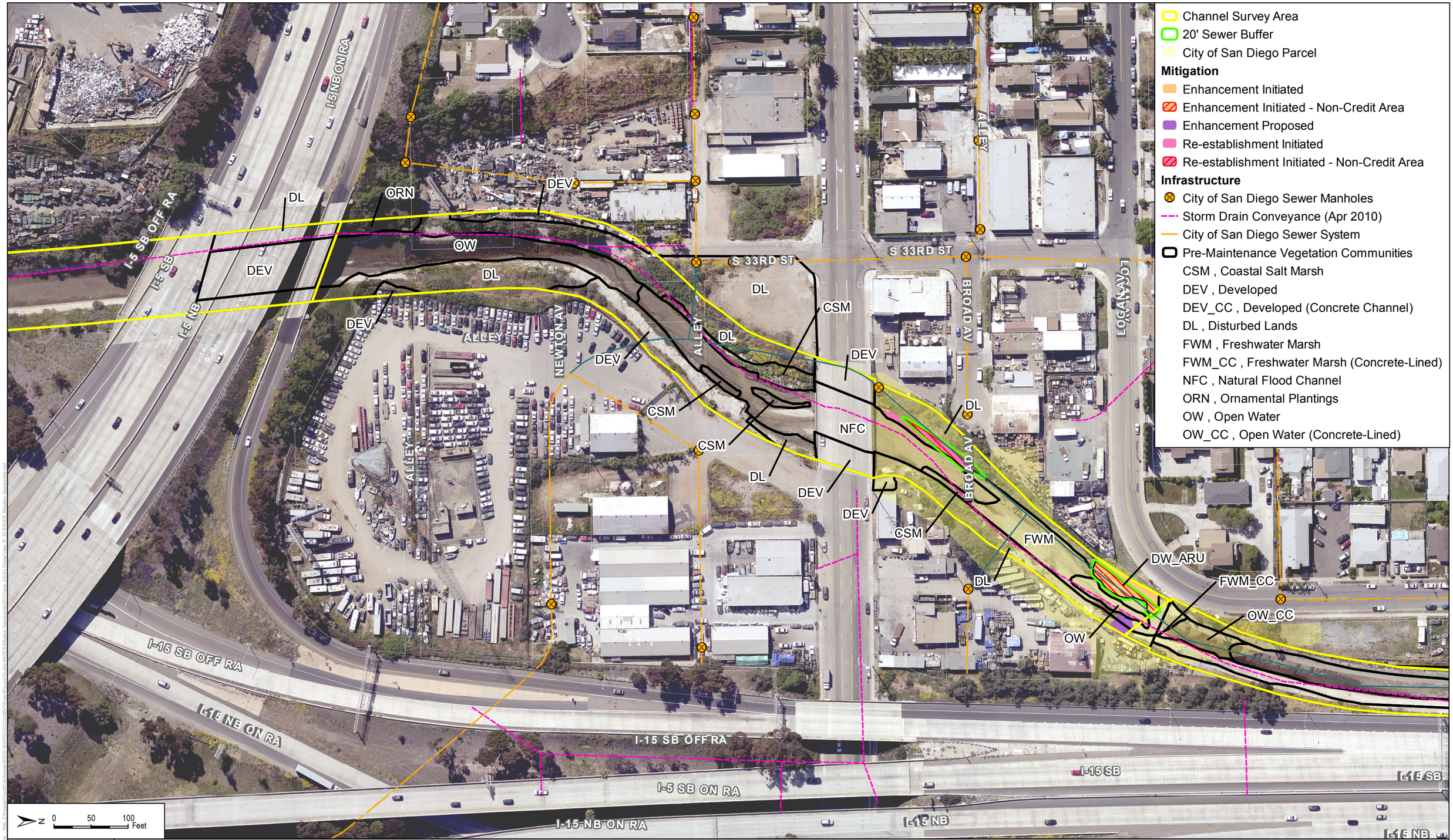

SOURCE: City of San Diego 2018; SanGIS 2018; SANDAG Imagery 2017

Figure 4-2

Chollas Creek Channel, Maps 91/93 - Wetlands Mitigation Areas

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SOURCE: City of San Diego 2018; SanGIS 2018; SANDAG Imagery 2017

Figure 4-3

South Chollas Creek Channel, Maps 95/97/98 - Wetlands Mitigation Areas

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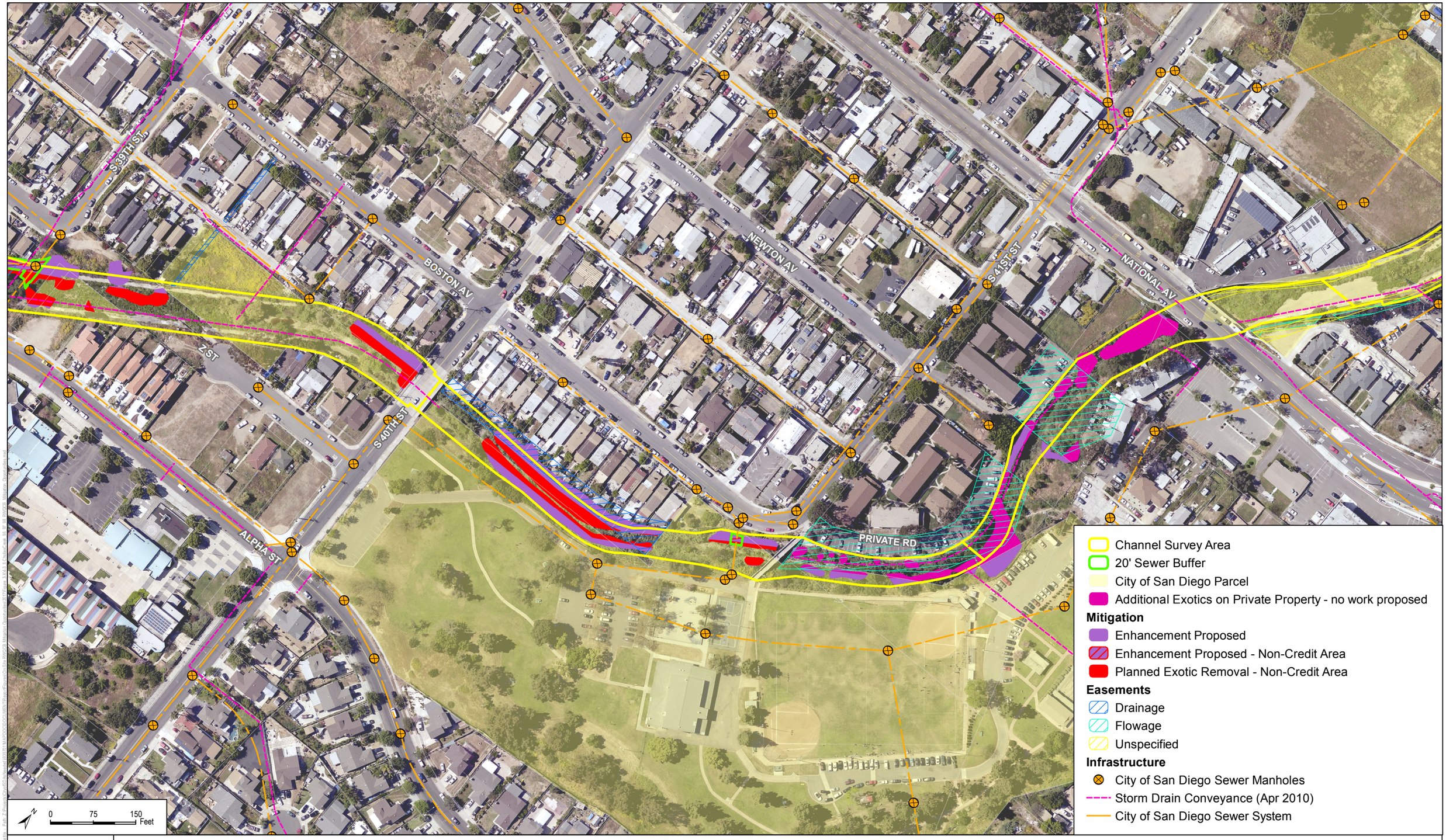

SOURCE: City of San Diego 2018; SanGIS 2018; SANDAG Imagery 2017

Figure 4-4

South Chollas Creek Channel, Maps 95/97/98 - Wetlands Mitigation Areas

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SOURCE: City of San Diego 2018; SanGIS 2018; SANDAG Imagery 2017

Figure 4-5

South Chollas Creek Channel, Maps 95/97/98 - Wetlands Mitigation Areas

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SOURCE: City of San Diego 2018; SanGIS 2018; SANDAG Imagery 2017

Figure 4-6

Chollas Creek Channel, Maps 98A - Wetlands Mitigation Areas

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SOURCE: City of San Diego 2018; SanGIS 2018; SANDAG Imagery 2017

Figure 4-7

Chollas Creek Channel, Maps 104 - Wetlands Mitigation Areas

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Document Path: Z:\Projects\City\of\SDA\Wetlands\080370\MAPDOC\DOCUMENT\Report\Figures\On-Site RWQCB Mitigation Opportunities\2017\Figure 3-XX-8 Pueblo Paradise Canyon_MitData.mxd

SOURCE: City of San Diego 2018; SanGIS 2018; SANDAG Imagery 2017

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Figure 4-8

Paradise Canyon Open Space - Wetlands Mitigation Areas

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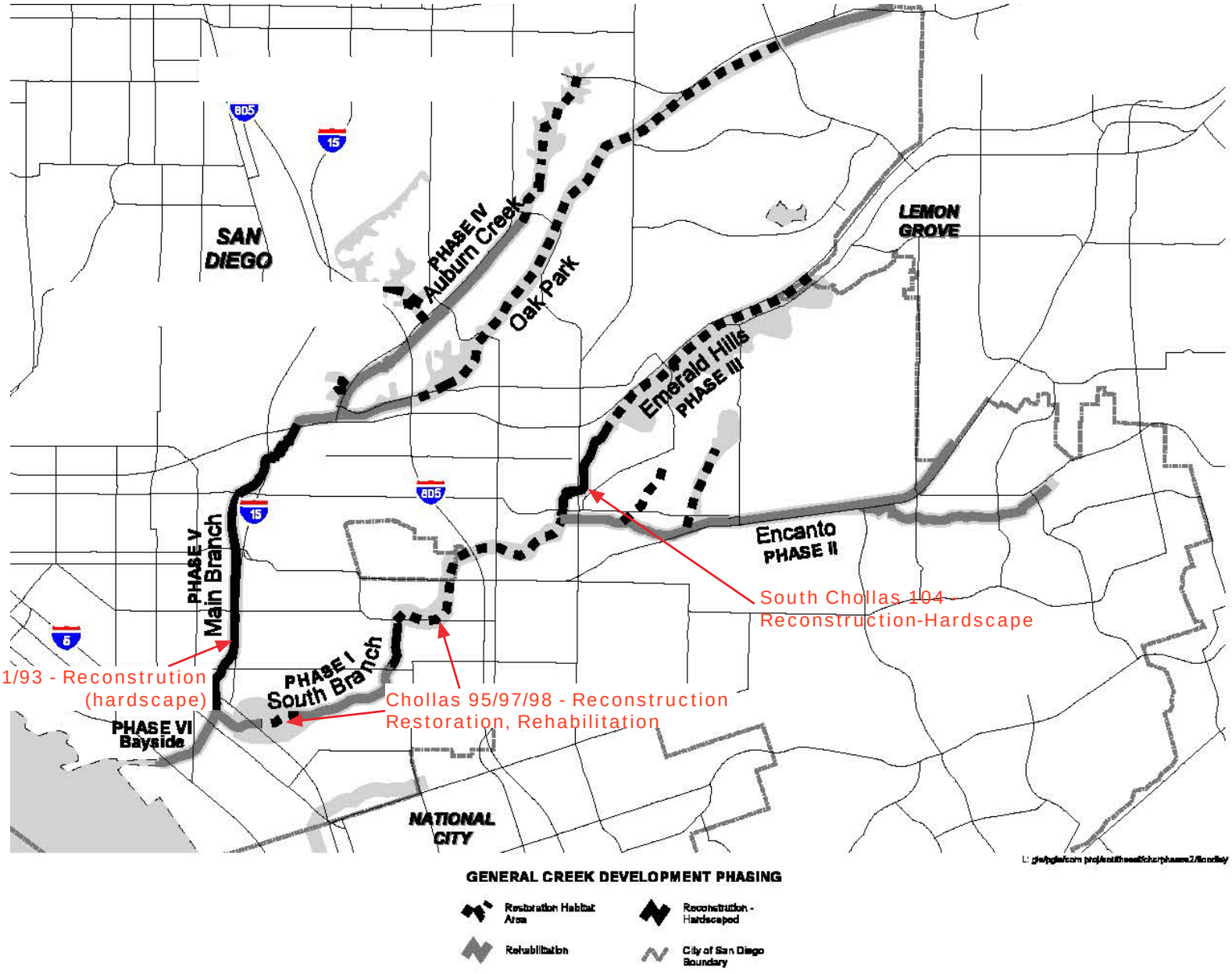

SOURCE: Chollas Creek Enhancement Program (City of San Diego 2002)

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FIGURE 5

Proposed Mitigation Sites within Chollas Creek Enhancement Program

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SOURCE: SANDAG, 2016; SANGIS, 2016.

Figure 5-1

Washington Channel, Map 84 - Ownership and Land Use

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SOURCE: SANDAG, 2016; SANGIS, 2016.

Figure 5-2

Chollas Creek Channel, Maps 91/93 - Ownership and Land Use

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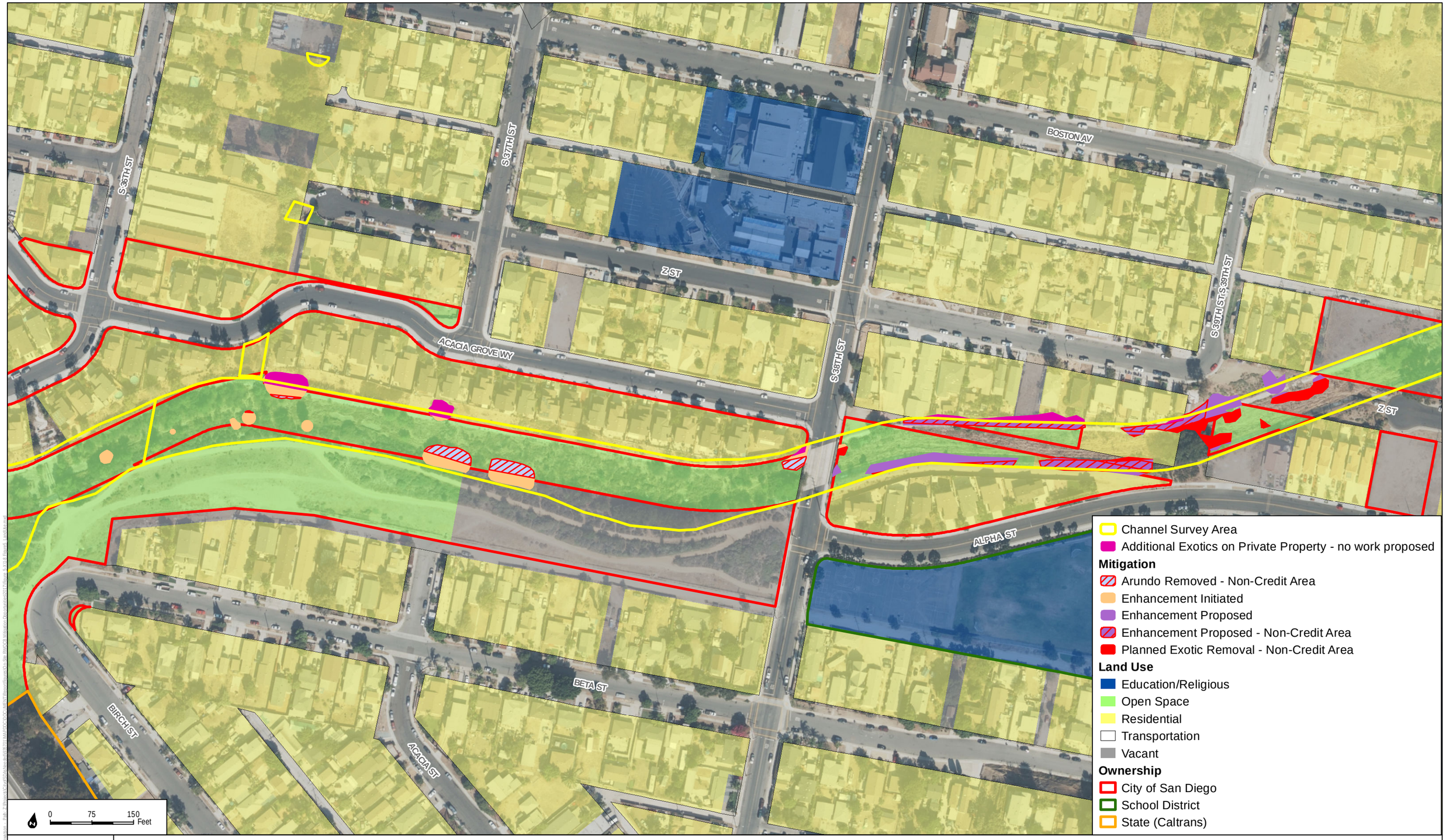

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SOURCE: SANDAG, 2016; SANGIS, 2016.

Figure 5-3

South Chollas Creek Channel, Maps 95/97/98 - Ownership and Land Use

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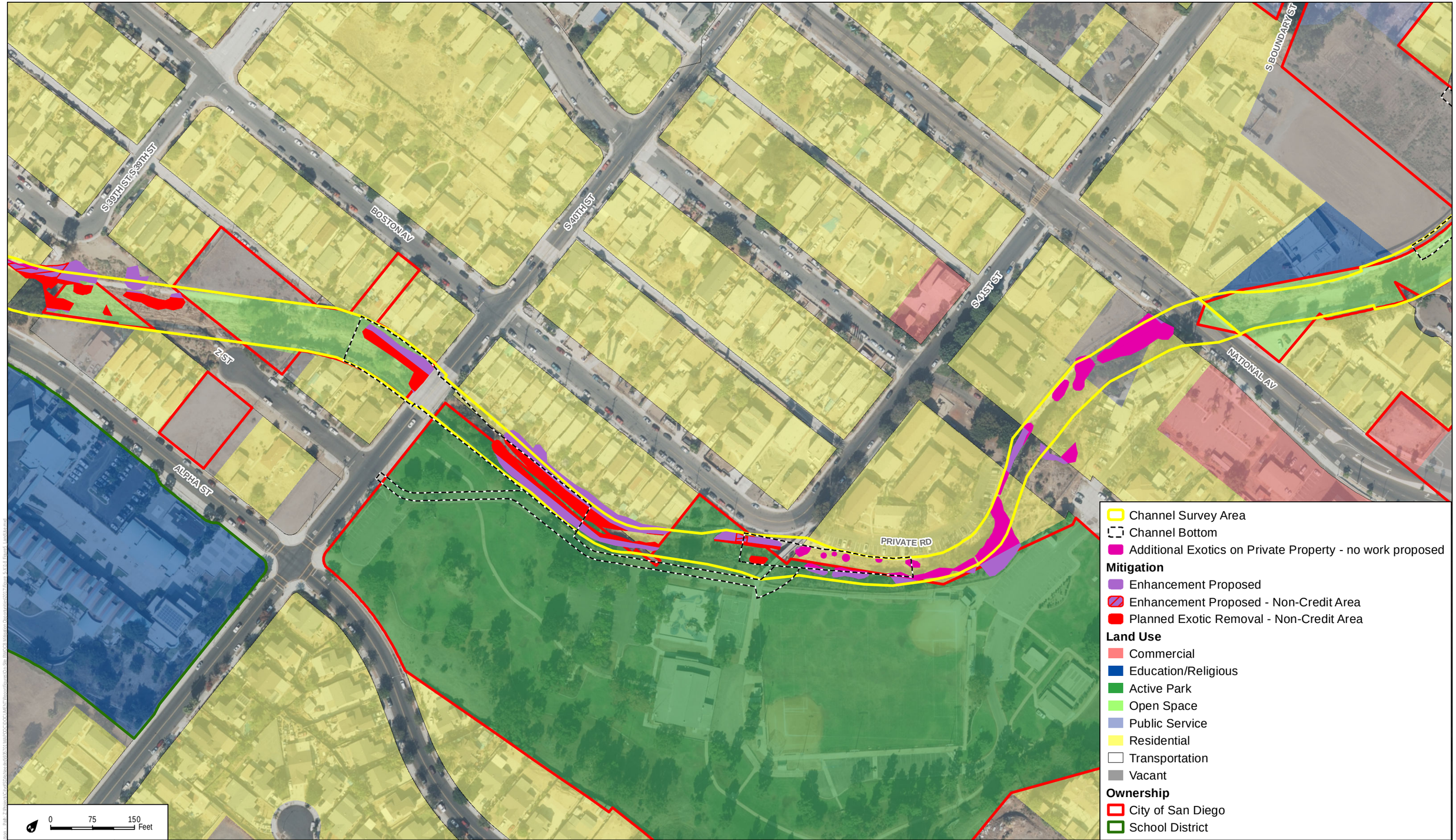

SOURCE: SANDAG, 2016; SANGIS, 2016.

Figure 5-4

South Chollas Creek Channel, Maps 95/97/98 - Ownership and Land Use

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SOURCE: SANDAG, 2016; SANGIS, 2016.

Figure 5-5

South Chollas Creek Channel, Maps 95/97/98 - Ownership and Land Use

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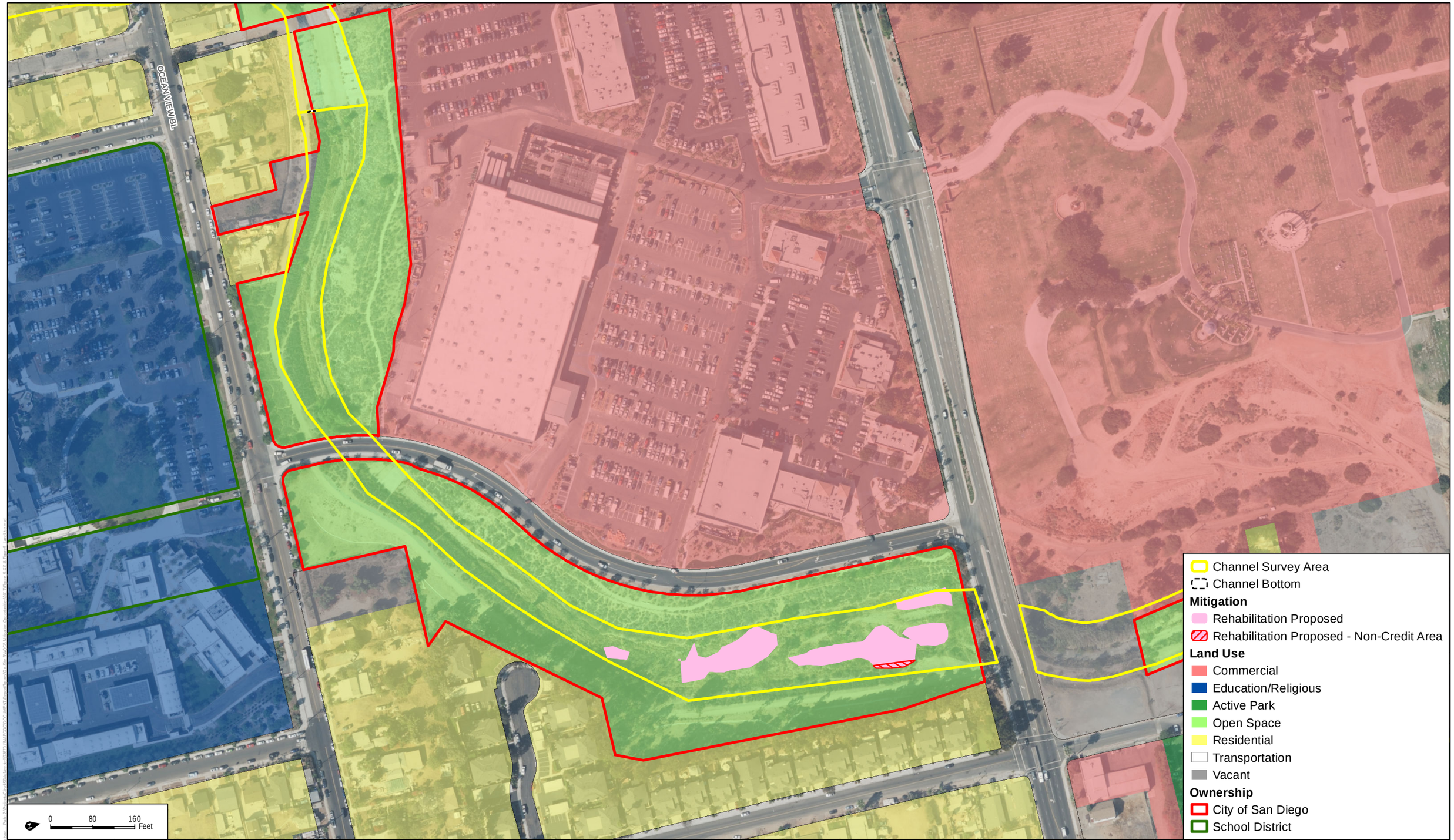

SOURCE: SANDAG, 2016; SANGIS, 2016.

Figure 5-6

South Chollas Creek Channel, Maps 98A - Ownership and Land Use

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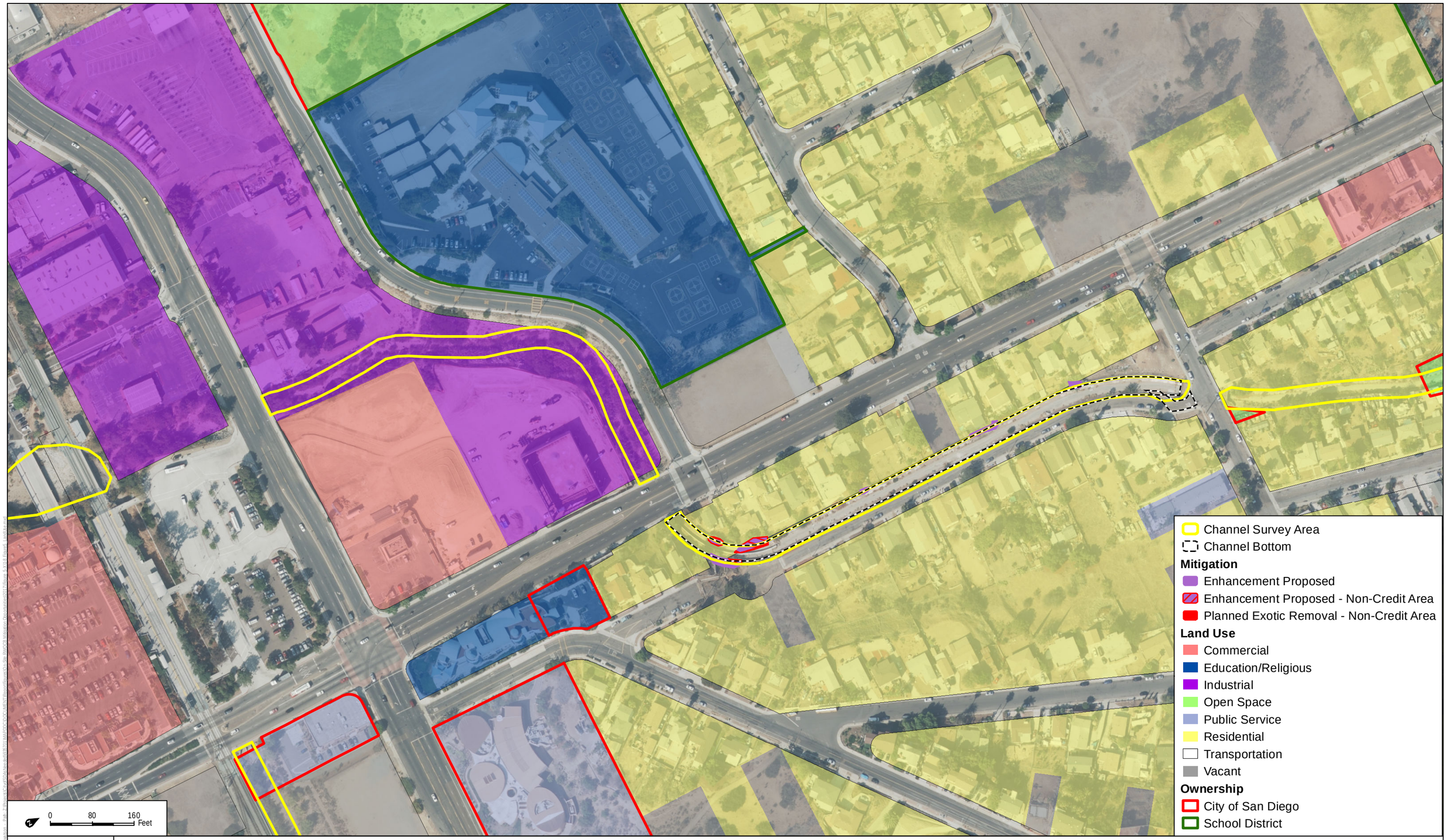

SOURCE: SANDAG, 2016; SANGIS, 2016.

Figure 5-7

South Chollas Creek Channel, Maps 104 - Ownership and Land Use

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Channel Survey Area
City Utility Access Route

Mitigation
Planned Exotic Removal - Non-Credit Area
Rehabilitation Proposed
Rehabilitation Proposed - Non-Credit Area

Infrastructure
City of San Diego Sewer Manholes
City of San Diego Sewer System
Water Mains (Apr 2013)
Storm Drain Conveyance (Apr 2010)

Hydrography
Stream

Ownership
City of San Diego
School District

TERRA COTTA RD
AQUAMARINE RD
S SIENA ST
DEEP DELL RD
WOODBINE WAY
APN 583-391-1600
SHADYGLADE LN
WOODSHAWN DR
APN 582-381-2000
APN 582-072-04
BULLOCK DR
LEDGEWOOD PL
RIDGECREST DR
LEDGEWOOD LN
SUNSWEPT ST

0 100 200 Feet

BASEMAP SOURCE: BING MAPPING SERVICE

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Figure 5-8
Paradise Canyon Open Space - Ownership and Land Use

Wetlands Mitigation Plan for 2015/16 Emergency Channel Maintenance - City of San Diego

Z:\Projects\City\of\SD\ASN\Needed\6035701\MAPDOC\DOCUMENT\Report\Figures\Op-Site RWQCB Mitigation Opportunities\2017\Figure 5-X\8 Paradise Canyon.mxd

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APPENDIX A

2015/16 Emergency Channel Maintenance Authorization and Mitigation Requirement Documentation

Appendix A
City of San Diego Transportation Storm Water Department
2015/16 Emergencies

Channel	MMP Map No(s).	Watershed	Mitigation Plan	ACOE RGP 63 Authorization #	RWQCB Reference #	Regional Board Requirements	ACOE Requirements	Additional Notes/Questions	Impacts Requiring Mitigation	Ratio	Total Mitigation Required (acres)
Auburn Creek	70	Pueblo	Conceptual Mitigation Plan for the City of San Diego 2015/16 Emergency Channel Maintenance	SPL-2015-00945-MBT	R9-2016-0043:821318;lhonma	–	The Permittee shall submit a mitigation proposal for impacts to waters of the U.S. according to Section VI of RFP 63. The mitigation plan shall include, specifically, measures to address the 0.05 acre of permanent impact to waters of the U.S. (southern willow scrub).	Requirement stated in ACOE RGP 63 Authorization, but ACOE staff have indicated that it can be mitigated consistent with other mitigation being provided to RB only. Assumed 2:1 enhancement consistent with most requirements.	0.05 ac of southern willow scrub	2:1	0.10
Auburn Creek	77	Pueblo	Conceptual Mitigation Plan for the City of San Diego 2015/16 Emergency Channel Maintenance	SPL-2016-00211-RAG	R9-2016-0084;822782;lhonma	2:1 in wetland **enhancement** for the removal of 0.03 acre disturbed southern willow scrub and 0.001 acre southern willow scrub.	–	The 0.001 acre of southern willow scrub was not impacted.	0.03 ac of disturbed southern willow scrub	2:1	0.06
Chollas Creek	71	Pueblo	Conceptual Mitigation Plan for the City of San Diego 2015/16 Emergency Channel Maintenance	SPL-2015-00924-MG	R9-2015-0212:820311:lhonma	2:1 in wetland **rehabilitation** (1:1) and wetland **enhancement** (1:1) for the removal of 0.11 acre southern willow scrub and 0.02 acre of wetland	–	Permit acreages are erroneous. Actual impacts are 0.02 acre southern willow scrub and 0.11 disturbed wetland (palm-dominated). It is assumed that mitigation is not required for palm-dominated wetland.	0.02 ac of disturbed southern willow scrub	2:1 (1:1 rehabilitation and 1:1 enhancement)	0.04
Chollas Creek	91 and 93	Pueblo	Conceptual Mitigation Plan for the City of San Diego 2015/16 Emergency Channel Maintenance	SPL-2015-00887-RAG	R9-2015-0198:820036:lhonma	2:1 (area mitigated:area impacted) in wetland **enhancement** for the removal of freshwater marsh	–	–	0.80 ac of freshwater marsh (concrete) 0.23 ac of freshwater marsh (earthen)	2:1	2.06
Cottonwood	120 and 121	Pueblo	Conceptual Mitigation Plan for the City of San Diego 2015/16 Emergency Channel Maintenance	SPL-2015-00900-WSZ	R9-2015-0203:820160:lhonma	2:1 in wetland **enhancement** for the removal of wetland, disturbed freshwater marsh, and disturbed southern willow scrub.	–	Disturbed wetland removed as part of project was palm dominated and are assumed to not require mitigation. .	0.06 ac of disturbed freshwater marsh (concrete) 0.06 ac of disturbed southern willow scrub (concrete)	2:1	0.24
Jamacha	115	Pueblo	Conceptual Mitigation Plan for the City of San Diego 2015/16 Emergency Channel Maintenance	SPL-2015-00944-RAG	R9-2016-0016;820685;lhonma	2:1 (area mitigated:area impacted) in the form of enhancement for the removal of disturbed wetlands and impacts to the existing natural channel	–	–	0.01 ac of disturbed wetland 0.04 ac of natural flood channel	2:1	0.10
Washington	84	Pueblo	Conceptual Mitigation Plan for the City of San Diego 2015/16 Emergency Channel Maintenance	SPL-2016-00012-RAG	R9-2016-0045;821330;lhonma	2:1 in wetland **enhancement** for the removal of freshwater marsh.	–	–	0.02 ac of freshwater marsh	2:1	0.04
Parkside	122	Sweetwater	Conceptual Mitigation Plan for the City of San Diego 2015/16 Emergency Channel Maintenance	SPL-2015-00909-RAG	R9-2015-0208:820215:lhonma	2:1 in **wetland enhancement** for the removal of freshwater marsh and disturbed wetland	–	Disturbed wetland removed as part of project was palm dominated and are assumed to not require mitigation. Palm removal is being used as enhancement mitigation for impacts .	0.03 ac of disturbed freshwater marsh (concrete) 0.02 ac of freshwater marsh (concrete)	2:1	0.10
Nestor Creek	134	Otay	Draft HMMP Quarry Mitigation Site	SPL-2016-00011-MBT	R9-2016-0044;821320;lhonma	No RB email sent.	RGP 63 authorization included non-discretionary Special Condition No. 6 - The Permittee shall submit a mitigation proposal for impacts to waters of the U.S. or justification for why this is not necessary according to Section VI of Regional General Permit Number 63. The mitigation plan shall include, specifically, consideration of the 0.02 acre of permanent impact to waters of the U.S. (freshwater marsh).	–	–	–	TBD
Auburn Creek	67 and 68	Pueblo	Not Required	SPL-2015-00862-RAG	R9-2015-0192;819895;lhonma	Email from Lisa Honma received on 12/14/2016 confirmed enrollment, however no mitigation was required.	RGP 63 verification letter included measures requested by RB to restore natural stream conditions similar to pre-construction conditions.	–	N/A		0
Friars Rd.	N/A	San Diego	Not Required	–	R9-2016-0024	–	–	–	–	–	0
Titus	N/A	Pueblo	Not Required	–	R9-2016-0030:821649;lhonma	–	–	–	–	–	0
Carroll Canyon	N/A	San Dieguito	Not Required	SPL-2016-00035-MG	R9-2016-0057:821245;lhonma	–	–	–	–	–	0
Lobrico	N/A	Pueblo	Not Required	SPL-2015-00649-MG	R9-2015-0149;818163;lhonma	–	–	–	–	–	0
Via de la Bandola	130a (proposed)	Tijuana River	8-acre Tijuana River Restoration Area	SPL-2015-00850-RAG	R9-2015-0187	2:1 (area mitigated:area impacted) in **wetland enhancement** for the removal of southern willow scrub and freshwater marsh	–	–	0.10 ac disturbed freshwater marsh 0.09 ac southern willow scrub	2:1	0.38
Smythe	130	Tijuana River	8-acre Tijuana River Restoration Area	SPL-2015-00942-RAG	R9-2016-0014;820683;lhonma	3:1 in **mitigation credits** for the removal of freshwater marsh and southern willow scrub	3:1 in **mitigation credits** at ACOE-approved mitigation bank	–	0.20 ac freshwater marsh 0.39 ac southern willow scrub	3:1	1.77
										TOTAL **(Conceptual Mitigation Plan for City of San Diego 2015/16 Emergency Channel Maintenance)**	**4.87 acres enhancement** **0.02 acre rehabilitation**

Alan Monii	San Diego County – North*	(619) 521-3968
Environmental Scientist		Alan.Monii@waterboards.ca.gov
Lisa Honma	San Diego County – South*	(619) 521-3367
Environmental Scientist		Lisa.Honma@waterboards.ca.gov

*San Diego County - North is defined as the area north of the San Diego River Watershed to Camp Pendleton, while San Diego County – South is defined as the area including the San Diego River Watershed south to the border.

AUBURN CREEK
(MMP MAP 70)

ACOE RGP 63 Authorization
RWQCB 401 Certification Email (None)
RWQCB Attachment E

DEPARTMENT OF THE ARMY
LOS ANGELES DISTRICT, U.S. ARMY CORPS OF ENGINEERS
5900 LA PLACE COURT, SUITE 100
CARLSBAD, CALIFORNIA 92008

January 21, 2016

Ms. Stephanie Bracci
City of San Diego
Storm Water Division
2781 Caminito Chollas, MS 44
San Diego, California 92105

DEPARTMENT OF THE ARMY REGIONAL GENERAL PERMIT NO. 63

Dear Ms. Bracci:

I am responding to your request (SPL-2015-00945-MBT) for a Department of the Army permit for your proposed project, Auburn Creek Maintenance. The proposed project is located in the Auburn Creek Channel segment, adjacent to 4425 Home Avenue and 2281 Fairmont Avenue, in the City of San Diego, San Diego County, California (Latitude 32.72918°N and Longitude -117.09848°W) (Figures 1 and 2). The proposed work would include the removal of sediment and vegetation from a 279 foot long section of concrete and earthen lined channel in Auburn Creek southeast of the intersection of Home and Fairmont Avenues, as shown in Figure 3. The staging and access for the excavation work would occur in the parking area that surrounds the channel. Excavators will work within the channel to push the material upstream to the access/staging area where it will be scooped out and deposited into trucks to be transported directly to Miramar Landfill for disposal. All work will be monitored by a qualified biologist. A sandbag berm and water pump may be installed within the channel in order to divert flow. Machines may be used to remove water from ponding areas. Existing land cover and vegetation to be impacted consists of 0.04 acres of non-wetland waters, 0.01 acres of riparian scrub (disturbed mulefat scrub), and 0.05 acres of riparian scrub (southern willow scrub).

Because this project would result in a discharge of dredged and/or fill material into waters of the United States, a Department of the Army permit is required pursuant to Section 404 of the Clean Water Act (33 USC 1344; 33 CFR parts 323 and 330).

I have determined construction of your proposed project, if constructed as described in your application, would comply with Regional General Permit (RGP) No. 63 - Repair and Protection Activities in Emergency Situations. Specifically, and as shown in Figure 3, you are authorized to:

1. Permanently impact approximately 0.1 acre (279 linear feet) of the earthen-lined section of Auburn Creek by excavating accumulated sediment and vegetation estimated to be 170 cubic yards of material.

2. Temporarily impact Auburn Creek by placing fill consisting of a sand bag berm approximately 3 feet high, 2 ½ feet deep (2 rows) and 16 feet across (bottom width of concrete channel) during maintenance activities to prevent upstream flows from entering the work area.

For this RGP verification letter to be valid, you must comply with **all of the terms and conditions of RGP No. 63** - Repair and Protection Activities in Emergency Situations, available at http://www.spl.usace.army.mil/Missions/Regulatory/RegionalGeneralPermits.aspx. **Furthermore, you must comply with the following non-discretionary Special Conditions:**

1. The work authorized by this RGP must be underway no later than fourteen (14) calendar days from date of issuance of this letter of verification. All work must be completed no later than 90 days from the date of this letter. If the Permittee is unable to complete the authorized work by this date, the Permittee must request, in writing, an extension from the U.S. Army Corps of Engineers (Corps) Regulatory Division prior to the deadline.

2. The sandbag berm and all equipment shall be removed within one week of completed work.

3. All work shall be monitored by a qualified biologist and equipment removed from the site upon completion of the work.

4. As directed in RGP No. 63, any work authorized by this RGP must be the minimum necessary to alleviate the immediate emergency, unless complete reconstruction does not result in significantly increased impacts to aquatic resources and logistical concerns indicate such reconstruction is as expedient considering the condition of the project site and is limited to in-kind replacement or refurbishment.

5. The Permittee shall submit a mitigation proposal for impacts to waters of the U.S. according to Section VI of Regional General Permit Number 63. The mitigation plan shall include, specifically, measures to address the 0.05 acre of permanent impact to waters of the U.S. (southern willow scrub).

6. As directed in RGP No. 63, you shall provide a written report to this office (within 45 days of completing the project) after completion of any action conducted under this RGP. **PROVIDING THIS REPORT IS MANDATORY**. At a minimum the Report shall include the following:
    a. The name, address, and telephone number of the applicant and the applicant's agent (if appropriate).
    b. Full description of the activity including:
        i. Description of the emergency and the potential for loss of life or property;
        ii. Purpose of the activity;
        iii. Final goal of the entire activity;
        iv. Location (e.g., latitude/longitude or UTM coordinates; section/township/range on appropriate USGS topographic map; Thomas Guide map, or other source to accurately portray project location);

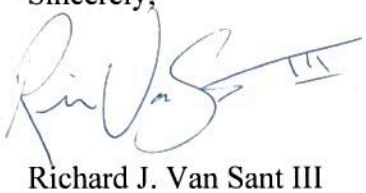
v. Size and description of project area (include maps or drawings showing the areal and lineal extent of the project, and pre- and post-construction photographs); and
vi. Quantities of materials used.

c. Information on receiving waterbody impacted including:
   i. Name of waterbody;
   ii. Type of receiving waterbody (e.g., river/streambed, lake/reservoir, ocean/estuary/bay, riparian area, wetland type, etc.);
   iii. Temporary/permanent adverse impact(s) in acres/cubic yards/linear feet;
   iv. Compensatory mitigation in acres/cubic yards/linear feet; and
   v. Other mitigation steps (to avoid, minimize, compensate).
d. Information on federally listed or proposed endangered species or designated or proposed critical habitat including:
   i. Temporary/permanent adverse impacts;
   ii. Compensatory mitigation; and
   iii. Other mitigation steps (to avoid, minimize, compensate).

A general permit does not grant any property rights or exclusive privileges. Also, it does not authorize any injury to the property or rights of others or authorize interference with any existing or proposed Federal project. Furthermore, it does not obviate the need to obtain other Federal, State, or local authorizations required by law.

Thank you for participating in the regulatory program. If you have any questions, please contact Melanie Tymes at 760-602-4841 or via e-mail at Melanie.B.Tymes@usace.army.mil. Please help me to evaluate and improve the regulatory experience for others by completing the customer survey form at http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey.

Sincerely,



Richard J. Van Sant III
Acting Team Lead
South Coast Branch

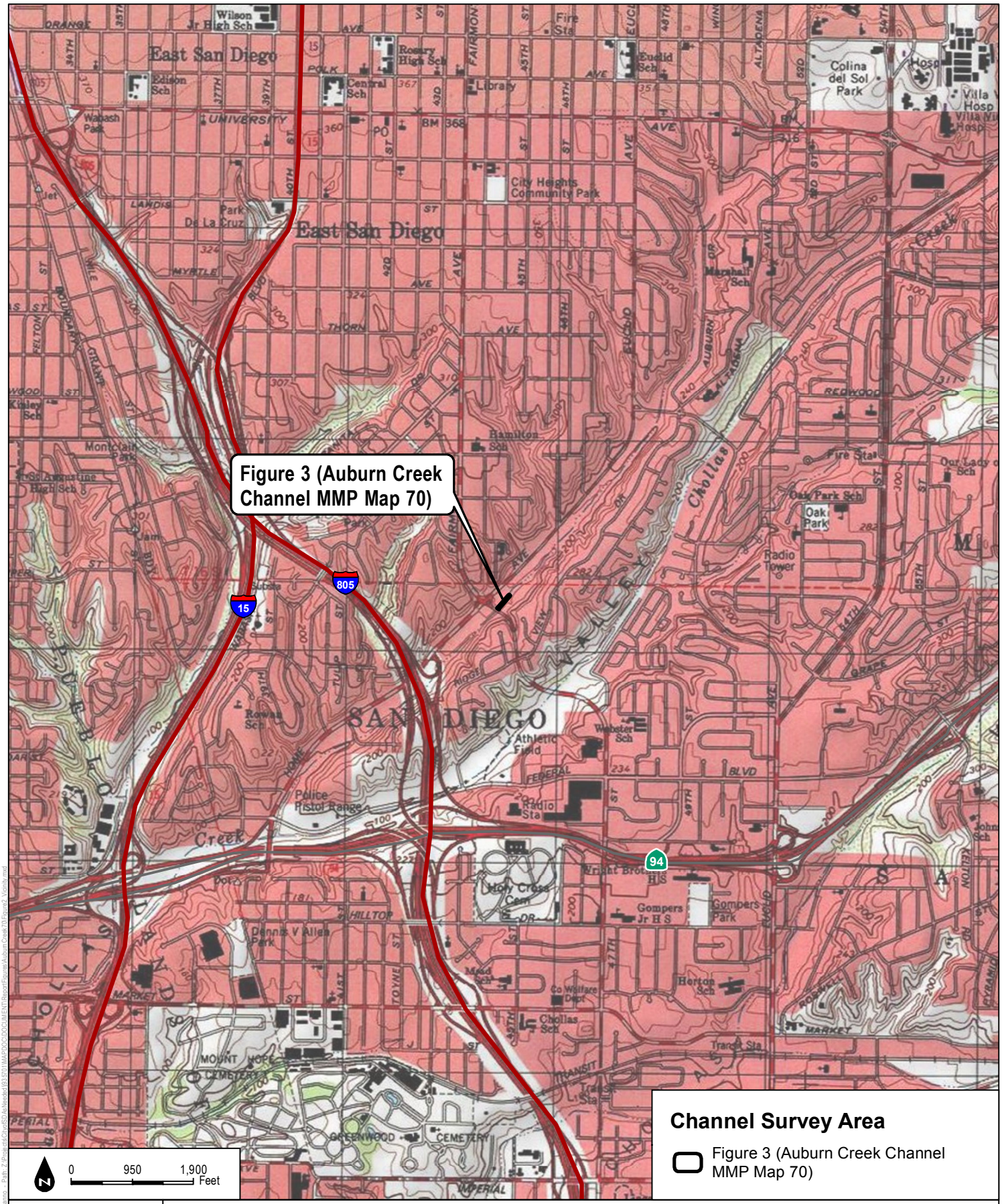
Enclosures

DUDEK

FIGURE 1

Regional Map

Auburn Creek Channel (MMP Map 70) - Emergency Channel Maintenance



SOURCE: USGS 7.5-Minute Series - National City Quadrangle.

FIGURE 2

Vicinity Map

DUDEK

Auburn Creek Channel (MMP Map 70) - Emergency Channel Maintenance

Date: 1/29/2015 - Last saved by: hgarcia - Path: Z:\Projects\City\SD\AuNeville\JOB\GIS\MAPDOC\DOCUMENT\Report\Figure\AuburnCreek70\Figure2_Vicinity.mxd

DUDEK

SOURCE: SANDAG Imagery 2015; Helix 2015; City of San Diego 2015

MMP Map 70; Figure 3

Auburn Creek Channel Biological Resources and Impacts

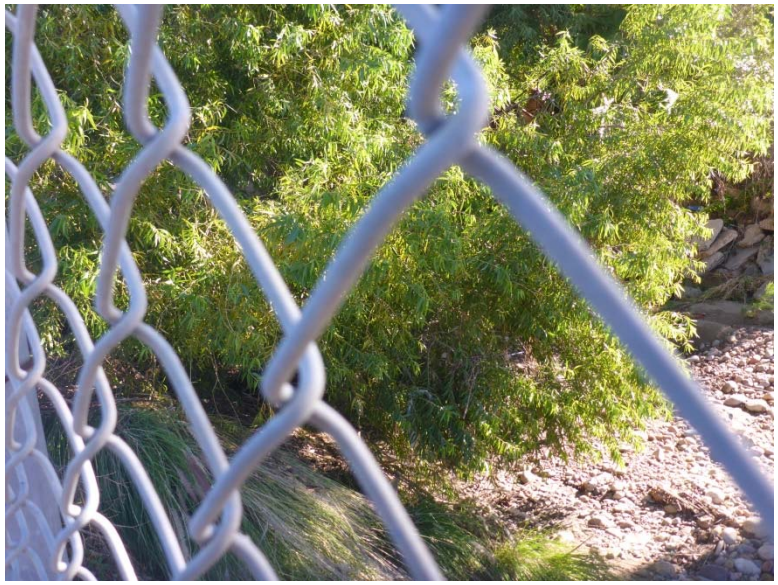
Auburn Creek Channel (MMP Map 70) - Emergency Channel Maintenance

ATTACHMENT A

Auburn Creek Channel Emergency Channel Maintenance, MMP Map 70

Photograph Log

Photograph 1: Looking upstream (east) from the north side of the channel on the east end of MMP Map 70; Figure 3.



(November 11, 2015; 9:22am)

Photograph 2: Sediment deposits from recent flooding of 4425 Home Ave. parking lot at the east end of MMP Map 134; Figure 3.

(November 11, 2015; 9:25am)

Photograph 3: Looking west at sediment deposits from recent flooding of 4425 Home Ave. parking lot at the east end of MMP Map 134; Figure 3. (November 11, 2015; 9:23am)	**Photograph 3:** Looking downstream (west) into the channel from approximately the center of MMP Map 70; Figure 3. (November 11, 2015; 9:25am)

FINAL REPORT FORM FOR REGIONAL GENERAL PERMIT 63 FOR REPAIR AND PROTECTION ACTIVITIES IN EMERGENCY SITUATIONS (RGP 63)

Instructions for Attachment E

Attachment E must be submitted electronically as a pdf with a valid signature within 45 calendar days of completion of any emergency actions conducted under RGP 63. Attachment E must be submitted to the State Water Resources Control Board (State Water Board) and the applicable Regional Water Quality Control Board (Regional Water Board).

For State Water Board Submittal
Email: Stateboard401@waterboards.ca.gov (Subject: RGP 63)

For the applicable Regional Water Board Submittal
A staff directory that includes contact information for the State and Regional Water Boards is found at:
http://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/staffdirectory.pdf

PROPERTY OWNER		
Name: City of San Diego	Phone Number: 619-527-7506	
Mailing Address: 2781 Caminito Chollas, MS 44		
City: San Diego	State: CA	ZIP Code: 92105
Contact Person: Gene Matter	E-Mail: rmatter@sandiego.gov	
BILLING ADDRESS		
Name: SAME AS ABOVE	Phone Number:	
Mailing Address:		
City:	State:	ZIP Code:
Contact Person:	E-Mail:	
DISCHARGER (If different from owner)		
Name:	Phone Number:	
Mailing Address:		
City:	State:	ZIP Code:
Contact Person:	E-Mail:	
PROJECT SITE LOCATION		
Street (include address, if any): 4425 Home Ave., San Diego, CA 92105		
Nearest Cross Street(s): Home Avenue and Fairmount Avenue		
County: San Diego	Total size of project site (acres): 0.11	
Photos Attached: ☒ Yes ☐ No		

Latitude/Longitude (Center of Discharge Area) in degrees/minutes/seconds (DMS) to the nearest ½ second OR decimal degrees (DD) to four decimals (0.0001 degree)

DMS: N. Latitude Deg. ___32____ Min. ____43____ Sec. _____44.03_____

W. Longitude Deg. ____117___ Min. ____05____ Sec. _____55.44_____

DD: N. Latitude _____

W. Longitude _____

Attach a map of at least 1:24000 (1" = 2000') detail of the impact site(s).

Indicate the map format used (listed in order of preference):

X **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 aquatic resource type. 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.

☐ **Google KML files** saved from Google Maps: My Maps (free) or Google Earth Pro (not free). Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted.*

X Aquatic resource maps marked on paper USGS 7.5 minute **topographic maps** or DOQQ printouts. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted.

*** If using Google Maps: My Maps or similar, provide URL(s) of maps.**

DISCHARGE INFORMATION	
Project Start Date: January 28, 2016	Project Completion Date: February 12, 2016
Names of Receiving Water(s):	
South Chollas Valley (Hydrologic Unit Basin Number 8.22)	
Receiving Water Types:	
☐Lake/Reservoir ☐Ocean/Estuary/Bay X River/Streambed	X Riparian Area ☐Vernal Pool ☐Wetland
Regulatory Agencies with Jurisdiction Over Project and Associated Permits/Agreements:	
Army Corps of Engineers – RGP 63, Authorization SPL-2015-00945-MBT California Department of Fish and Wildlife – Emergency Notification Regional Water Quality Control Board City of San Diego – Emergency Permit PTS/Approval No. 464510	
Emergency Project Description: (e.g. discharge of riprap; discharge of fill; excavation for a utility line)	
The portion of the Auburn Channel (MMP Map 70; Figure 3) that required emergency maintenance has an earthen bottom with concrete sides. Emergency maintenance was	

conducted on the portion of the channel stretching northeast at the intersection of Home Ave. and Fairmount Ave. (MMP Map 70; Figure 3). The maintenance area began just southeast of 4425 Home Ave. at the Fairmount Ave. culvert outlet and continued 279 feet northeast, with an average bottom width of approximately 12-25 feet (MMP Map 70; Figure 3). The maintenance was completed in order to prevent damage to surrounding areas from flooding during heavy storms forecasted as part of the ongoing El Nino season.

Emergency maintenance of the channel included the removal of unevenly accumulated sediment and vegetation from the channel which was constricting flows. Prior to emergency maintenance, City engineers estimated the pre-maintenance capacity of the channel was at a 5-year storm capacity. As a result of moderate to heavy flows during this rainy season, the reduced channel capacity had caused flows to back up and reportedly flood the adjacent properties (including 4425 Home Avenue on 11/4/2015). During the City's assessment, the property owner at 2281 Fairmount Avenue confirmed to City staff that flooding had occurred from the channel during recent rain events and that it was the most severe observed in 29 years. These conditions were causing an imminent flooding threat to properties adjacent to the channel.

Land covers and vegetation impacted by the project included 0.04 acres of natural flood channel (temporary impact), 0.01 acres of riparian scrub (disturbed mulefat scrub), and 0.05 acres of riparian scrub (southern willow scrub). Total impacts to jurisdictional areas were 0.10 acres (279 linear feet) of wetland and non-wetland waters of the U.S (MMP Map 70; Figure 3). The remaining 0.01 acre of the project area was CDFW-jurisdictional only and comprised Disturbed Wetland (Arundo-dominated). As a result of maintenance activities, the channel was restored to its 100-year storm, as-built capacity, which is the minimum necessary capacity for this channel in order to prevent damage from flooding of properties adjacent to this channel.

The Track Steer/Bobcat and Gradall/Excavator were the primary tools used to remove material from the channel. The Track Steer/Bobcat was lowered into the channel and pushed material upstream to the Gradall/Excavator. The Gradall/Excavator was staged outside the channel at 4425 Home Avenue and scooped out material and loaded it directly into dump trucks. Once the material was loaded into dump trucks, it was taken directly to Miramar Landfill for disposal. No sandbag berms or pumping equipment were used during maintenance as the channel remained dry during all work. Following debris and vegetation removal, the cobble-bottomed (earthen) natural flood channel was restored to the pre-maintenance conditions, which resulted in impacts to the natural flood channel land cover being considered temporary. All work was monitored by a qualified biologist and equipment was removed from the site at the end of the project.

Purpose of the Entire Project Activity: (e.g. stream-bank erosion control; maintain, repair, or restore damaged property)

The purpose of the project was to remove unevenly accumulated sediment and vegetation from a portion (approximately 279 LF) of the earthen bottom channel. Prior to maintenance, downstream properties, particularly 4425 Home Ave., were at high risk from flood damage as City engineers had estimated that the channel was at a 5-year storm capacity. Excavation and removal of the vegetation, sediment, and debris restored the minimum necessary capacity to the channel in order to alleviate the threat of flooding to adjacent properties. This maintenance has restored the channel to its as-built condition of a 100-year capacity.

The strength of the current El Niño was unexpected, and it, combined with the observed channel conditions and reports of adjacent properties flooding, created a substantial likelihood that significant rain events would cause additional flooding of the properties surrounding the Auburn channel (MMP Map 70), particularly within the remaining rainy season months (approximately

December 2015 to March/April 2016). Therefore, it was necessary that vegetation and sediment be removed from this channel in order to alleviate the threat of flooding.

Erosion and Sediment Control Measures Implemented:

Adjacent access/staging areas were located in existing developed areas. Adequate BMPs were placed in those areas to prevent sedimentation and erosion to occur (See Pollution Prevention Measures below). All work was conducted during dry periods.

Pollution Prevention Measures Implemented:

The 401 Certification for RGP 63 lists 7 BMP conditions (Section D):

1. Appropriate materials were kept on site to contain potential spills. No spills occurred.
2. Fueling, vehicle maintenance, storage, etc. were located outside of waters of the state and did not result in any discharges.
3. No spills occurred and therefore no notification to the Water Boards was required.
4. All construction materials and debris were removed or stockpiled outside of the waters of the state following completion of the emergency action.
5. All necessary BMPs to control erosion and runoff from staging and access areas were employed. Jute mesh was installed along the access path.
6. No revegetation was required.

Fill and Excavation Discharges: For each aquatic resource type listed below indicate in acres, cubic yards, and linear feet the actual discharge to waters of the state, and identify the impact(s) as permanent and/or temporary.

Aquatic Resource Type	Temporary Impact			Permanent Impact		
	Acres	*Cubic Yards*	*Linear Feet*	*Acres*	*Cubic Yards*	*Linear Feet*
Lake/Reservoir						
Ocean/Estuary/Bay						
Riparian Zone						
Stream Channel	0.04	200	137	0.06	330	142
Vernal Pool						
Wetland						

COMPENSATORY MITIGATION

Required: X Yes ☐No | Photos Attached: ☐Yes ☐ No

Compensatory Mitigation Description (include aquatic resource type and acres and linear feet):

All work was limited to sediment and vegetation within and adjacent to the earthen channel. The vegetation communities and land covers impacted as part of this maintenance included 0.01 acre of riparian scrub (disturbed mulefat scrub), and 0.05 acre of riparian scrub (southern willow scrub), 0.01 acre of disturbed wetland (Arundo dominated), and 0.04 acre of natural flood channel (temporary).

The USACE authorized the proposed maintenance on January 21, 2016 through issuance of a Regional General Permit 63 Authorization (SPL-2015-00945-MBT). Condition #5 of the authorization states that the "Permittee shall submit a mitigation proposal…the mitigation plan

shall include, specifically, measures to address the 0.05 acre of permanent impact to waters of the U.S. (southern willow scrub)." A mitigation plan is under preparation and will be provided. It should be noted that since the USACE has required mitigation for "permanent impacts" of the project, the City requests that the San Diego RWQCB provide written acknowledgment that the required mitigation is adequate to mitigate any future maintenance of this channel that results in similar loss of functions (i.e., vegetation and sediment removal within the same maintenance footprint).

MITIGATION SITE LOCATION

Street (include address, if any):

Nearest Cross Street(s):

County:

Latitude/Longitude (Center of Mitigation Area) in degrees/minutes/seconds (DMS) to the nearest ½ second OR decimal degrees (DD) to four decimals (0.0001 degree)

DMS: N. Latitude Deg. _____ Min. _____ Sec. _____

W. Longitude Deg. _____ Min. _____ Sec. _____

DD: N. Latitude _____

W. Longitude _____

Attach a map of at least 1:24000 (1" = 2000') detail of the mitigation site.

Indicate the map format used (listed in order of preference):

☐ **GIS shapefiles**. The shapefiles must depict the boundaries of all project(s) and extent of aquatic resources. Each shape should be attributed with the aquatic resource type. 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.

☐ **Google KML files** saved from Google Maps: My Maps (free) or Google Earth Pro (not free). Maps must show the boundaries of all project(s) and extent/type of aquatic resources.*

☐ Aquatic resource maps marked on paper USGS 7.5 minute **topographic maps** or DOQQ printouts. Maps must show the boundaries of all project(s) and extent/type of aquatic resources.

*** If using Google Maps: My Maps or similar, provide URL(s) of maps.**

CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. In addition, I certify that the provisions of this Certification and Corps Regional General Permit No. 63 will be complied with."

Signature of Discharger	Title
G Matt	Assistant Deputy Director
Printed or Typed Name	Date
Gene Matter	3/28/16

AUBURN CREEK
(MMP MAP 77)

ACOE RGP 63 Authorization
RWQCB 401 Certification Email
RWQCB Attachment E

DEPARTMENT OF THE ARMY
LOS ANGELES DISTRICT, U.S. ARMY CORPS OF ENGINEERS
5900 LA PLACE COURT, SUITE 100
CARLSBAD, CALIFORNIA 92008

March 15, 2016

Mr. Gene Matter
City of San Diego
Storm Water Division
2781 Caminito Chollas, MS 44
San Diego, California 92105

DEPARTMENT OF THE ARMY REGIONAL GENERAL PERMIT NO. 63

Dear Mr. Matter:

I am responding to your request (Corps File No. SPL-2016-00211-RAG) for a Department of the Army permit for your project, Auburn Creek (Map 77) Emergency Maintenance. The proposed project is located near 3940 Federal Boulevard, in the City of San Diego, San Diego County, California (Latitude 32.71989°N and Longitude 117.10996°W) (see enclosed Figures 1-3).

The City of San Diego Transportation and Stormwater Division decided unilaterally to proceed with work under Regional General Permit (RGP) No. 63 due to erosion on the eastern bank of the Auburn Creek, which was undermining Federal Boulevard and a section of the adjacent sidewalk. Work started on March 4, 2016 and was completed on March 6, 2016. Work activities included the removal of vegetation and sediment and the placement of ¼-ton rip rap on the eastern bank of Auburn Creek to stabilize the channel and prevent further erosion.

Because this project resulted in a discharge of dredged and/or fill material into waters of the United States (U.S.) a Department of the Army permit is required pursuant to Section 404 of the Clean Water Act (33 USC 1344; 33 CFR parts 323 and 330). I have determined construction of your project complies with RGP No. 63 - Repair and Protection Activities in Emergency Situations. Specifically, you are authorized to:

1) Permanently impact approximately 125 linear feet (.01 acre) of the Auburn Creek due to the placement of fill material (i.e., rip rap) on the eastern bank of the channel. Approximately 230 cubic yards of rip rap and clean dirt were used to repair and secure the channel bank (see the enclosed Post-Construction Photo).

2) Permanently impact the earthen-lined section of Auburn Creek by the removal of 640 cubic yards of vegetation, sediment, and debris from a total of 270 linear feet (0.14 acre) of Auburn Creek.

3) Temporarily impact Auburn Creek with a water diversion sandbag berm to prevent water

flows from entering the work area. This berm was approximately 4 feet wide by 23 feet long and resulted in 0.002 acre (92 square feet) of temporary impacts.

For this RGP verification letter to be valid, you must comply with all of the terms and conditions stated in the enclosed copy of RGP No. 63. Furthermore, you must comply with the following non-discretionary Special Conditions:

1. As directed in RGP No. 63, any work authorized by this RGP must be the minimum necessary to alleviate the immediate emergency, unless complete reconstruction does not result in significantly increased impacts to aquatic resources and logistical concerns indicate such reconstruction is as expedient considering the condition of the project site and is limited to in-kind replacement or refurbishment.

The work authorized by this RGP must be underway no later than fourteen (14) calendar days from date of issuance of this letter of verification. All work must be completed no later than 90 days from the date of this letter. If the Permittee is unable to complete the authorized work by this date, the Permittee must request, in writing, an extension from the Corps Regulatory Division prior to the deadline.

A general permit does not grant any property rights or exclusive privileges. Also, it does not authorize any injury to the property or rights of others or authorize interference with any existing or proposed Federal project. Furthermore, it does not obviate the need to obtain other Federal, State, or local authorizations required by law.

Thank you for participating in the regulatory program. If you have any questions, contact Rose Galer at 760-602-4835 or via e-mail at Rose.A.Galer@usace.army.mil. Please help me to evaluate and improve the regulatory experience for others by completing the customer survey form at http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey.

Sincerely,

Shanti Abichandani Santulli
Team Lead
Carlsbad Field Office

Enclosures

From: Vipul Joshi
To: Scott Gressard
Cc: Chris Oesch
Subject: FW: City of San Diego, Auburn Creek at Federal Blvd (Map 77) Emergency Maintenance Project
Date: Thursday, March 17, 2016 3:47:22 PM

FYI

-----Original Message-----
From: Honma, Lisa@Waterboards [mailto:Lisa.Honma@waterboards.ca.gov]
Sent: Thursday, March 17, 2016 3:35 PM
To: Bracci, Stephanie
Cc: Rothman, Christine; Kennedy, Jamie; Gascon, Chris; Del Rosario, Lester; Wammack, Roger; Matter, Gene; Vipul Joshi; Galer, Rose A SPL; Becker, Eric@Waterboards
Subject: RE: City of San Diego, Auburn Creek at Federal Blvd (Map 77) Emergency Maintenance Project

Stephanie, I wanted to let you know that the City has been enrolled, effective on 3/3/2016, in the General Certification for RGP-63 for the above referenced project.

Consistent with the San Diego Water Board's approach in certifying routine channel maintenance projects and in accordance with section VI of Clean Water Act Section 401 Water Quality Certification for U.S. Army Corps of Engineers Reauthorization of Regional General Permit 63 for Repair and Protection Activities in Emergency Situations, SB13006IN (RGP-63 Certification), the City of San Diego will be required to provide compensatory mitigation for permanent impacts that result in a loss of functions in the amount of 2:1 (area mitigated:area impacted) in wetland enhancement for the removal of 0.03 acre disturbed southern willow scrub and 0.001 acre southern willow scrub. No compensatory mitigation will be required for disturbance of the unvegetated stream channel and the removal of debris.

The project numbers are:
File No. R9-2016-0085
PIN 822782

Best Regards, Lisa

Lisa Honma
Environmental Scientist
Watershed & Riparian Protection Unit
San Diego Water Board
(619) 521-3367

-----Original Message-----
From: Galer, Rose A SPL [mailto:Rose.A.Galer@usace.army.mil]
Sent: Wednesday, March 16, 2016 1:44 PM
To: Bracci, Stephanie
Cc: Becker, Eric@Waterboards; Fisher, Kelly@Wildlife; Deisher, Helene; Rothman, Christine; Kennedy, Jamie; Gascon, Chris; Del Rosario, Lester; Wammack, Roger; Matter, Gene; Honma, Lisa@Waterboards; vjoshi@dudek.com
Subject: RE: City of San Diego, Auburn Creek at Federal Blvd Emergency, RGP 63 Application

Stephanie-

Please find attached the RGP 63 authorization letter and enclosures for the work that was completed in Auburn Creek (Map 77). The only comments I received from resource agencies were from the water board. Lisa expressed

concern for permitting additional work for this creek outside of the normal permitting process. I also share that concern and would recommend that we discuss other permitting paths if you find that other work is needed in Auburn Creek. In addition, Lisa mentioned that if further work is needed to stabilize the bank, she would like to see bioengineering options/methods analyzed. I also agree with that comment and would prefer to see native vegetation planted and utilized to stabilize the bank.

Let me know if you have any questions or would like to discuss further.

Best Regards,
Rose Galer
Project Manager
U.S. Army Corps of Engineers
Regulatory Division
5900 La Place Court, Suite 100
Carlsbad, CA 92008
Rose.A.Galer@usace.army.mil
(760) 602-4835 (direct)
(760) 277-5225 (blackberry)
(760) 602-4848 (fax)
(Please note: we do not have out-of-office notifications)

-----Original Message-----
From: Bracci, Stephanie [mailto:SBracci@sandiego.gov]
Sent: Wednesday, March 09, 2016 10:42 AM
To: Galer, Rose A SPL <Rose.A.Galer@usace.army.mil>
Cc: Becker, Eric@Waterboards <Eric.Becker@waterboards.ca.gov>; Kelly Fisher (Kelly.Fisher@wildlife.ca.gov) <Kelly.Fisher@wildlife.ca.gov>; Deisher, Helene <HMDeisher@sandiego.gov>; Rothman, Christine <CRothman@sandiego.gov>; Kennedy, Jamie <JMKennedy@sandiego.gov>; Gascon, Chris <CGascon@sandiego.gov>; Del Rosario, Lester <LDelRosario@sandiego.gov>; Wammack, Roger <RWammack@sandiego.gov>; Matter, Gene <RMatter@sandiego.gov>; Lisa Honma (lisa.honma@waterboards.ca.gov) <lisa.honma@waterboards.ca.gov>; vjoshi@dudek.com
Subject: [EXTERNAL] RE: City of San Diego, Auburn Creek at Federal Blvd Emergency, RGP 63 Application

Hi Rose,
Thanks for the call this morning - here's a summary of work that occurred over the weekend.

Work began on March 4 and continued into the weekend. Work conducted included removal of vegetation and sediment using equipment (mini dozer, mini excavator, gradall) in the channel as well as implementing temporary bank stabilization (using rip rap installed by loader), consistent with the description in the application submitted last week. Attached is a photo taken yesterday of the site.

The bank is currently being evaluated to determine if the temporary measures will be sufficient for the flow velocities in the channel or if additional measures are needed. We are closely monitoring this site, especially with more rain in the forecast for the weekend. We are not considering the work at the site complete yet.

Let me know if you need more detail at this time. Please also let me know if the work conducted over the weekend and additional measures, if needed, can be processed as one authorization. From our call, it seems you will need to coordinate with other agencies sooner rather than later and that we should keep you updated on the analysis we are conducting. It also seems that the determination of how to process any additional measures, if needed, would be made once the evaluation is complete and we can provide more detail.

Thanks,

Stephanie Bracci
Senior Planner
City of San Diego
Transportation & Storm Water Department
T (619) 527-3445 sbracci@sandiego.gov

CONFIDENTIAL COMMUNICATION
This electronic mail message and any attachments are intended only for the use of the addressee(s) named above and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If you are not an intended recipient, or the employee or agent responsible for delivering this e-mail to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you received this e-mail message in error, please immediately notify the sender by replying to this message or by telephone. Thank you.

-----Original Message-----
From: Galer, Rose A SPL [mailto:Rose.A.Galer@usace.army.mil]
Sent: Tuesday, March 08, 2016 8:06 AM
To: Bracci, Stephanie <SBracci@sandiego.gov>
Cc: Becker, Eric@Waterboards <Eric.Becker@waterboards.ca.gov>; Kelly Fisher (Kelly.Fisher@wildlife.ca.gov) <Kelly.Fisher@wildlife.ca.gov>; Deisher, Helene <HMDeisher@sandiego.gov>; Rothman, Christine <CRothman@sandiego.gov>; Kennedy, Jamie <JMKennedy@sandiego.gov>; Gascon, Chris <CGascon@sandiego.gov>; Del Rosario, Lester <LDelRosario@sandiego.gov>; Wammack, Roger <RWammack@sandiego.gov>; Matter, Gene <RMatter@sandiego.gov>; Lisa Honma (lisa.honma@waterboards.ca.gov) <lisa.honma@waterboards.ca.gov>
Subject: RE: City of San Diego, Auburn Creek at Federal Blvd Emergency, RGP 63 Application

Stephanie-

Do you have an update on the Auburn Creek at Federal Blvd project? Was work completed on March 4th?

Thanks,
Rose Galer
Project Manager
U.S. Army Corps of Engineers
Regulatory Division
5900 La Place Court, Suite 100
Carlsbad, CA 92008
Rose.A.Galer@usace.army.mil
(760) 602-4835 (direct)
(760) 277-5225 (blackberry)
(760) 602-4848 (fax)
(Please note: we do not have out-of-office notifications)

-----Original Message-----
From: Matter, Gene [mailto:RMatter@sandiego.gov]
Sent: Thursday, March 03, 2016 4:06 PM
To: Galer, Rose A SPL <Rose.A.Galer@usace.army.mil>; Lisa Honma (lisa.honma@waterboards.ca.gov) <lisa.honma@waterboards.ca.gov>
Cc: Becker, Eric@Waterboards <Eric.Becker@waterboards.ca.gov>; Guerrero, Meris SPL <Meris.Guerrero@usace.army.mil>; Kelly Fisher (Kelly.Fisher@wildlife.ca.gov) <Kelly.Fisher@wildlife.ca.gov>; Deisher, Helene <HMDeisher@sandiego.gov>; Rothman, Christine <CRothman@sandiego.gov>; Kennedy, Jamie <JMKennedy@sandiego.gov>; Gascon, Chris <CGascon@sandiego.gov>; Del Rosario, Lester <LDelRosario@sandiego.gov>; Bracci, Stephanie <SBracci@sandiego.gov>; Wammack, Roger

<RWammack@sandiego.gov>
Subject: [EXTERNAL] RE: City of San Diego, Auburn Creek at Federal Blvd Emergency, RGP 63 Application

Hello Rose, and Lisa,

Thank you for your ongoing support in facilitating the City of San Diego to pursue RGP 63 authorizations to perform emergency channel cleaning activities. The most recent National Weather Service update indicates 2 storm events forecasted for Sunday and Monday (3/6 and 3/7) with total precipitation of 0.75 to 1.5 inches in coastal and valley areas. Given that the forecast for a significant rain event this weekend has not changed, the City's determination as communicated the email earlier today and RGP 63 application has not changed. While we still hope to receive a notice to proceed from the Corps prior to 7 AM on March 4, 2016, based on the following language from RGP 63, the City intends to make a unilateral decision to begin emergency maintenance at that time, within a 270 linear foot section of Auburn Creek (at the Home Ave and Federal Blvd intersection) to address the imminent threat.

"The Corps recognizes there may be situations where imminent threats to life or property occur and the applicant has not received a notice to proceed from the DE. It is not the intention of this office to imply that one allows such threat to life or property result in actual loss. If one proceeds without such notice from the DE, one must ensure that prior notice of such a unilateral decision to proceed is made to this office by telephone, facsimile, e-mail, delivered written notice or other alternative means."

The City will continue to make every effort to obtain written authorization from your agencies prior to initiating regulated activities within waters of the US.

Please feel free to contact me or Christine Rothman if you have any questions.

Thanks,

Gene Matter, PE

Assistant Deputy Director

City of San Diego

Transportation & Storm Water Department

T (619) 527-7506

Blockedwww.sandiego.gov <Blockedhttp://www.sandiego.gov>

To effectively serve and support our communities

City of San Diego Strategic Plan Mission

From: Bracci, Stephanie
Sent: Thursday, March 03, 2016 12:07 PM
To: Galer, Rose A SPL <Rose.A.Galer@usace.army.mil>; Lisa Honma (lisa.honma@waterboards.ca.gov) <lisa.honma@waterboards.ca.gov>
Cc: Becker, Eric@Waterboards <Eric.Becker@waterboards.ca.gov>; Guerrero, Meris SPL <Meris.Guerrero@usace.army.mil>; Kelly Fisher (Kelly.Fisher@wildlife.ca.gov) <Kelly.Fisher@wildlife.ca.gov>; Deisher, Helene <HMDeisher@sandiego.gov>; Matter, Gene <RMatter@sandiego.gov>; Rothman, Christine <CRothman@sandiego.gov>; Kennedy, Jamie <JMKennedy@sandiego.gov>; Gascon, Chris <CGascon@sandiego.gov>; Del Rosario, Lester <LDelRosario@sandiego.gov>
Subject: City of San Diego, Auburn Creek at Federal Blvd Emergency, RGP 63 Application
Importance: High

Hello Rose and Lisa,

Please find the attached applications and supporting attachments for emergency channel maintenance authorization under Regional General Permit 63 for proposed work within Auburn Creek (a branch of Chollas Creek) at Federal Blvd.

As you will see, the eastern bank of the channel, immediately upstream of the Federal Blvd. culvert has significantly eroded undermining the sidewalk and threatening Federal Blvd. Based on a current posting from the National Weather Service's Forecast Discussion (posted 8:51 AM PST THU MAR 3 2016) 2 storm events are forecasted for Saturday and Sunday (3/5 and 3/6) with total precipitation of 1 to 1.5 inches in coastal and valley areas. With this storm system, the City expects additional erosion could occur and would threat property and pose a significant hazard to motorists.

Due to this imminent storm forecast, the City is asking that your offices issue authorization for the City contractors to place rip rap along the eastern bank and to clear accumulated sediment, vegetation, and debris in the center and western portion of channel, to alleviate the threat and maximize the potential for flows to be confined to the channel and the Federal Blvd. box culvert. It is estimated that two full working days are required to complete the work. Therefore, we ask that you provide a notice to proceed by close of business on Thursday, March 3, 2016 or earlier, so that work can occur on Friday and Saturday, March 4th and 5th.

Your urgent attention to this matter is greatly appreciated and we are available to answer any questions you may have regarding the application. We will continue to communicate with the agencies regarding any changes in the City's assessment of the upcoming rain event and any unilateral decisions that are made.

Thank you,

Stephanie Bracci

Senior Planner

City of San Diego

Transportation & Storm Water Department

T (619) 527-3445 C (619) 992-6849 sbracci@sandiego.gov <mailto:sbracci@sandiego.gov>

CONFIDENTIAL COMMUNICATION

This electronic mail message and any attachments are intended only for the use of the addressee(s) named above and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If you are not an intended recipient, or the employee or agent responsible for delivering this e-mail to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you received this e-mail message in error, please immediately notify the sender by replying to this message or by telephone. Thank you.

FINAL REPORT FORM FOR REGIONAL GENERAL PERMIT 63 FOR REPAIR AND PROTECTION ACTIVITIES IN EMERGENCY SITUATIONS (RGP 63)

Instructions for Attachment E

Attachment E must be submitted electronically as a pdf with a valid signature within 45 calendar days of completion of any emergency actions conducted under RGP 63. Attachment E must be submitted to the State Water Resources Control Board (State Water Board) and the applicable Regional Water Quality Control Board (Regional Water Board).

For State Water Board Submittal
Email: Stateboard401@waterboards.ca.gov (Subject: RGP 63)

For the applicable Regional Water Board Submittal
A staff directory that includes contact information for the State and Regional Water Boards is found at:
http://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/staffdirectory.pdf

PROPERTY OWNER		
Name: City of San Diego	Phone Number: 619-527-7506	
Mailing Address: 2781 Caminito Chollas, MS 44		
City: San Diego	State: CA	ZIP Code: 92105
Contact Person: Gene Matter	E-Mail: rmatter@sandiego.gov	
BILLING ADDRESS		
Name: SAME AS ABOVE	Phone Number:	
Mailing Address:		
City:	State:	ZIP Code:
Contact Person:	E-Mail:	
DISCHARGER (If different from owner)		
Name:	Phone Number:	
Mailing Address:		
City:	State:	ZIP Code:
Contact Person:	E-Mail:	
PROJECT SITE LOCATION		
Street (include address, if any): 3940 Federal Blvd. San Diego, CA 92105		
Nearest Cross Street(s): Home Ave. and Federal Blvd.		
County: San Diego	Total size of project site (acres): 0.17	
Photos Attached: ☒ Yes ☐ No		

Latitude/Longitude (Center of Discharge Area) in degrees/minutes/seconds (DMS) to the nearest ½ second OR decimal degrees (DD) to four decimals (0.0001 degree)

DMS: N. Latitude Deg. Deg. __32___ Min. __43____ Sec. ___12.25_____

W. Longitude Deg. _117__ Min. __6___ Sec. __35.9____

DD: N. Latitude _____

W. Longitude _____

Attach a map of at least 1:24000 (1" = 2000') detail of the impact site(s).

Indicate the map format used (listed in order of preference):

X **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 aquatic resource type. 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.

☐ **Google KML files** saved from Google Maps: My Maps (free) or Google Earth Pro (not free). Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted.*

X Aquatic resource maps marked on paper USGS 7.5 minute **topographic maps** or DOQQ printouts. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted.

*** If using Google Maps: My Maps or similar, provide URL(s) of maps.**

DISCHARGE INFORMATION	
Project Start Date: March 4, 2016	Project Completion Date: March 5, 2016
Names of Receiving Water(s):	
Chollas Creek; South Chollas Valley (Hydrologic Unit Basin Number 8.22)	
Receiving Water Types:	
☐Lake/Reservoir ☐Ocean/Estuary/Bay X River/Streambed	X Riparian Area ☐Vernal Pool ☐Wetland
Regulatory Agencies with Jurisdiction Over Project and Associated Permits/Agreements:	
Army Corps of Engineers – RGP 63, Authorization SPL-2016-00211-RAG California Department of Fish and Wildlife – Emergency Notification Regional Water Quality Control Board	
Emergency Project Description: (e.g. discharge of riprap; discharge of fill; excavation for a utility line)	
This channel segment (Auburn Creek Map 77) has an earthen bottom and mostly earthen sides, although portions of the bank also have rip rap. Two large diameter rounded culverts empty into the channel from the east and the channel conveys flows between several commercial	

properties up to a box culvert, with winged concrete headwalls, underneath Fairmount Ave. Adjacent to the culvert, a sidewalk was undermined and additional damage to the sidewalk, and potentially the road, was a concern.

Emergency work consisted of 3 components along a total length of approximately 270 linear feet (MMP Map 77; Figure 3). A slope repair of the eastern bank of the channel began from the Federal Blvd. culvert inlet 125 linear feet upstream. This segment of the channel, along with an additional 110 linear feet upstream of the slope repair, was cleared (sediment and vegetation removal) as part of this emergency maintenance within the full approximately 23-foot channel bed width. Within an additional 35 linear feet upstream of the channel maintenance area, debris and two large uprooted trees were accessed and removed (no sediment or living vegetation was removed). Only the slope repair and channel maintenance area (vegetation and sediment removal) resulted in impacts; the additional debris removal did not result in any loss of vegetation or stream function and therefore is not included in the impact totals, but is depicted on Figure 3 (See Individual Biological Assessment).

The emergency slope repair and channel maintenance areas supported 0.03 acre of disturbed southern willow scrub and 0.12 acre of natural flood channel; for a total of 0.15 acre (235 linear feet) of non-wetland waters of the U.S. An additional 0.03 acre of disturbed land (non-jurisdictional) area was affected by the slope repair work. City crews repaired the eroded eastern bank of the channel by placing 1/4-ton rip-rap and clean fill dirt along the bank, up to the wingwall of the Federal Blvd. culvert.

Access was taken from Home Ave. and down the western bank of the channel. A dozer/tracksteer was used to push accumulated sediment and vegetation to the Gradall/excavator that was staged outside/above the channel bank on Home Ave. The Gradall/excavator then scooped the materials from the channel and loaded dump trucks stationed on Home Ave. Equipment also operated upstream of this area to remove debris, including uprooted trees. Sediment, vegetation, and debris from the channel was then taken to the Miramar Landfill for disposal. All work was monitored by a qualified biologist and equipment was removed from the site at the end of the project.

Purpose of the Entire Project Activity: (e.g. stream-bank erosion control; maintain, repair, or restore damaged property)

The purpose of the project was to repair the eroded eastern bank of the channel, prevent further erosion and undermining of Federal Blvd and associated sidewalk, and minimize the risk of flooding adjacent roads and property. Excavation and removal of the vegetation, sediment, and debris and bank stabilization measures alleviated this threat to the extent possible.

The strength of the current El Niño was unexpected, and it, combined with the undermined sidewalk and observed channel conditions, created a substantial likelihood that significant rain events would cause further undermining of the sidewalk and potentially Federal Blvd. Therefore, it was necessary that bank stabilization and removal of vegetation and sediment contributing to the undermining of the infrastructure be conducted expeditiously to prevent additional infrastructure damage and potential flooding.

Erosion and Sediment Control Measures Implemented:

Adjacent access/staging areas were located in existing developed or disturbed areas. Adequate BMPs were placed in those areas to prevent sedimentation and erosion to occur (See Pollution Prevention Measures below). All work was conducted during dry periods.

Pollution Prevention Measures Implemented:

The 401 Certification for RGP 63 lists 7 BMP conditions (Section D):

1. Appropriate materials were kept on site to contain potential spills. No spills occurred.
2. Fueling, vehicle maintenance, storage, etc. were located outside of waters of the state and did not result in any discharges.
3. No spills occurred and therefore no notification to the Water Boards was required.
4. All construction materials and debris were removed or stockpiled outside of the waters of the state following completion of the emergency action.
5. All necessary BMPs to control erosion and runoff from staging and access areas were employed.
6. No revegetation was required
7. Rip rap was installed as an erosion control measure along a section of the southwestern bank of the channel that had become degraded and was eroding into the channel during rain events

Fill and Excavation Discharges: For each aquatic resource type listed below indicate in acres, cubic yards, and linear feet the actual discharge to waters of the state, and identify the impact(s) as permanent and/or temporary.

Aquatic Resource Type	**Temporary Impact**			**Permanent Impact**		
	Acres	*Cubic Yards*	*Linear Feet*	*Acres*	*Cubic Yards*	*Linear Feet*
Lake/Reservoir						
Ocean/Estuary/Bay						
Riparian Zone						
Stream Channel				0.15	837	235
Vernal Pool						
Wetland						

COMPENSATORY MITIGATION

Required: X Yes ☐No | Photos Attached: ☐Yes ☐ No

Compensatory Mitigation Description (include aquatic resource type and acres and linear feet):

All work was limited to sediment and vegetation within and adjacent to the earthen channel. The vegetation communities and land covers impacted as part of this maintenance included 0.03 acre of riparian scrub (disturbed southern willow scrub) and 0.12 acre of natural flood channel.

The USACE authorized the proposed maintenance on March 15, 2016 through issuance of a Regional General Permit 63 Authorization (SPL-2016-00211-RAG). No compensatory mitigation is required under the authorization. This report will be provided to the USACE as a post-maintenance report, pursuant to RGP 63.

The San Diego RWQCB acknowledged the Army Corps of Engineer's RGP 63 authorization for the project in an email from Lisa Honma dated March 17, 2016. The email states: "Consistent with the San Diego Water Board's approach in certifying routine channel maintenance projects and in accordance with section VI of Clean Water Act Section 401 Water Quality Certification for U.S. Army Corps of Engineers Reauthorization of Regional General Permit 63 for Repair and Protection Activities in Emergency Situations, SB13006IN (RGP-63 Certification), the City of San

Diego will be required to provide compensatory mitigation for permanent impacts that result in a loss of functions in the amount of 2:1 (area mitigated : area impacted) in wetland enhancement for the removal of 0.03 acre disturbed southern willow scrub and 0.001 acre southern willow scrub. No compensatory mitigation will be required for disturbance of the unvegetated stream channel and the removal of debris." During the emergency channel maintenance, no impacts occurred to the 0.001 acre of southern willow scrub during maintenance. As such, a subsequent mitigation plan or purchase of approved mitigation credits totaling 0.06 acre is required to be submitted to the San Diego RWQCB for impacts 0.03 acre of riparian scrub (disturbed southern willow scrub). Contact information and details regarding the mitigation site/credits will be provided to the San Diego RWQCB. It should be noted that since the San Diego RWQCB has required mitigation for "permanent impacts" of the project, the City requests that the San Diego RWQCB provide written acknowledgment that the required mitigation is adequate to mitigate any future maintenance of this channel that results in similar loss of functions (i.e., vegetation and sediment removal within the same maintenance footprint).

MITIGATION SITE LOCATION

Street (include address, if any):

Nearest Cross Street(s):

County:

Latitude/Longitude (Center of Mitigation Area) in degrees/minutes/seconds (DMS) to the nearest ½ second OR decimal degrees (DD) to four decimals (0.0001 degree)

DMS: N. Latitude Deg. _____ Min. _____ Sec. _____

W. Longitude Deg. _____ Min. _____ Sec. _____

DD: N. Latitude _____

W. Longitude _____

Attach a map of at least 1:24000 (1" = 2000') detail of the mitigation site.

Indicate the map format used (listed in order of preference):

☐ **GIS shapefiles**. The shapefiles must depict the boundaries of all project(s) and extent of aquatic resources. Each shape should be attributed with the aquatic resource type. 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.

☐ **Google KML files** saved from Google Maps: My Maps (free) or Google Earth Pro (not free). Maps must show the boundaries of all project(s) and extent/type of aquatic resources.*

☐ Aquatic resource maps marked on paper USGS 7.5 minute **topographic maps** or DOQQ printouts. Maps must show the boundaries of all project(s) and extent/type of aquatic resources.

*** If using Google Maps: My Maps or similar, provide URL(s) of maps.**

CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to

the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. In addition, I certify that the provisions of this Certification and Corps Regional General Permit No. 63 will be complied with."

Signature of Discharger	Title Assistant D.D.
Printed or Typed Name Gene Matter	Date 4-19-16

CHOLLAS CREEK
(MMP MAP 71)

ACOE RGP 63 Authorization
RWQCB 401 Certification Email
RWQCB Attachment E

DEPARTMENT OF THE ARMY
LOS ANGELES DISTRICT, U.S. ARMY CORPS OF ENGINEERS
5900 LA PLACE COURT, SUITE 100
CARLSBAD, CALIFORNIA 92008

December 29, 2015

Mr. Gene Matter
City of San Diego
Storm Water Division
2781 Caminito Chollas, MS 44
San Diego, California 92105

DEPARTMENT OF THE ARMY REGIONAL GENERAL PERMIT NO. 63

Dear Mr. Matter:

I am responding to your request (SPL-2015-00924-MG) for a Department of the Army permit for your proposed project, Chollas Creek Channel Maintenance, specific to the section depicted in the enclosed Figure 3. The proposed project is located near 4181 Vista Grande Drive, in the City of San Diego, San Diego County, California (Latitude 32.75419°N and Longitude -117.05697°W). The proposed project involves channel maintenance to remove accumulated sediment, vegetation, and debris from Chollas Creek using mechanized equipment along with a temporary dewatering berm. Excavated material will be loaded into dump trucks located in the Access/Staging area (see enclosed figures) and taken to the Miramar Landfill for disposal.

Because this project would result in a discharge of dredged and/or fill material into waters of the United States a Department of the Army permit is required pursuant to Section 404 of the Clean Water Act (33 USC 1344; 33 CFR parts 323 and 330).

I have determined construction of your proposed project, if constructed as described in your application, would comply with Regional General Permit (RGP) No. 63 - Repair and Protection Activities in Emergency Situations. Specifically, and as shown in the enclosed figures, you are authorized to:

1. Permanently impact approximately 800 linear feet (0.21 acre) of the earthen lined section of Chollas Creek (depicted in Figure 3) by excavating accumulated sediment, vegetation and debris.
2. Temporarily impact Chollas Creek by placing fill consisting of a sand bag berm approximately 2.5 feet wide, 3 feet high, and 15 feet long during maintenance activities to prevent upstream flows from entering the work area. The sandbag berm is to be placed in the location depicted in Figure 4.

For this RGP verification letter to be valid, you must comply with all of the terms and conditions of RGP No. 63 - Repair and Protection Activities in Emergency Situations, available

at http://www.spl.usace.army.mil/Missions/Regulatory/RegionalGeneralPermits.aspx. Furthermore, you must comply with the following non-discretionary Special Conditions:

1. The work authorized by this RGP must be underway no later than fourteen (14) calendar days from date of issuance of this letter of verification. All work must be completed no later than 90 days from the date of this letter. If the Permittee is unable to complete the authorized work by this date, the Permittee must request, in writing, an extension from the U.S. Army Corps of Engineers (Corps) Regulatory Division prior to the deadline.

2. The sandbag berm and all equipment shall be removed within one week of completed work.

3. All work shall be monitored by a qualified biologist.

4. As directed in RGP No. 63, any work authorized by this RGP must be the minimum necessary to alleviate the immediate emergency, unless complete reconstruction does not result in significantly increased impacts to aquatic resources and logistical concerns indicate such reconstruction is as expedient considering the condition of the project site and is limited to in-kind replacement or refurbishment.

5. As directed in RGP No. 63, you shall provide a written report to this office (within 45 days of completing the project) after completion of any action conducted under this RGP. **PROVIDING THIS REPORT IS MANDATORY**. At a minimum the Report shall include the following:

    a. The name, address, and telephone number of the applicant and the applicant's agent (if appropriate).
    b. Full description of the activity including:
        i. Description of the emergency and the potential for loss of life or property;
        ii. Purpose of the activity;
        iii. Final goal of the entire activity;
        iv. Location (e.g., latitude/longitude or UTM coordinates; section/township/range on appropriate USGS topographic map; Thomas Guide map, or other source to accurately portray project location);
        v. Size and description of project area (include maps or drawings showing the areal and lineal extent of the project, and pre- and post-construction photographs); and
        vi. Quantities of materials used.
    c. Information on receiving waterbody impacted including:
        i. Name of waterbody;
        ii. Type of receiving waterbody (e.g., river/streambed, lake/reservoir, ocean/estuary/bay, riparian area, wetland type, etc.);
        iii. Temporary/permanent adverse impact(s) in acres/cubic yards/linear feet;
        iv. Compensatory mitigation in acres/cubic yards/linear feet; and
        v. Other mitigation steps (to avoid, minimize, compensate).

d. Information on federally listed or proposed endangered species or designated or proposed critical habitat including:
    i. Temporary/permanent adverse impacts;
    ii. Compensatory mitigation; and
    iii. Other mitigation steps (to avoid, minimize, compensate).

A general permit does not grant any property rights or exclusive privileges. Also, it does not authorize any injury to the property or rights of others or authorize interference with any existing or proposed Federal project. Furthermore, it does not obviate the need to obtain other Federal, State, or local authorizations required by law.

If you have any questions, please contact Meris Guerrero at 760-602-4836 or via e-mail at Meris.Guerrero@usace.army.mil. Please help me to evaluate and improve the regulatory experience for others by completing the customer survey form at http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey.

Sincerely,

Robert Smith
Acting Team Lead
South Coast Branch

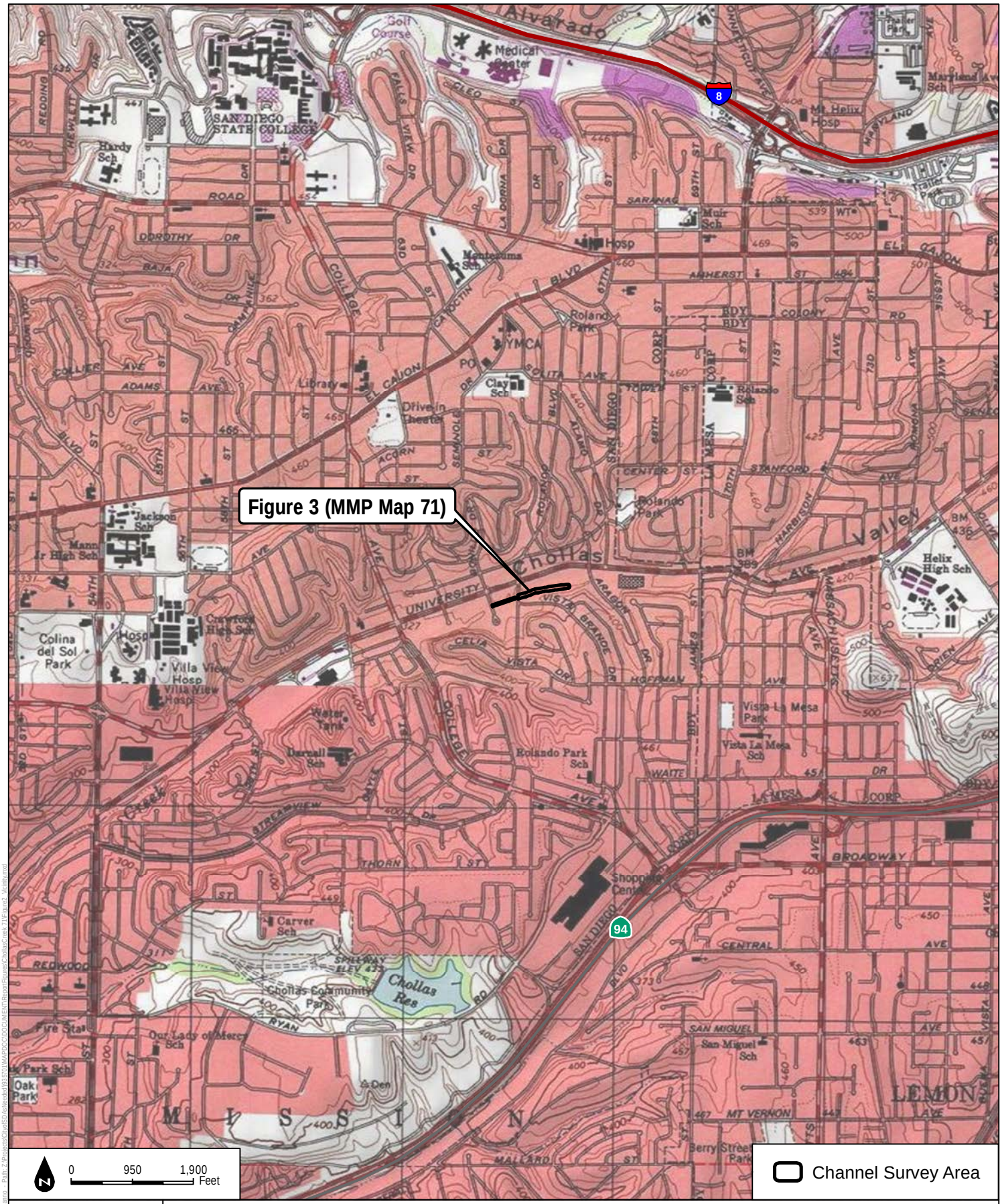
Enclosures

DUDEK

FIGURE 1

Regional Map

Chollas Creek Channel (MMP Map 71) - Emergency Channel Maintenance



SOURCE: USGS 7.5-Minute Series - La Mesa Quadrangle.

FIGURE 2

Vicinity Map

DUDEK

Chollas Creek Channel (MMP Map 71) - Emergency Channel Maintenance

Date: 10/14/2015 - Last saved by: hgarcia - Path: Z:\Projects\ChollasCreek\Admin\MAPDOCS\DOCUMENT\Report\Figures\ChollasCreek_71Figure2_Vicinity.mxd

SOURCE: SANDAG Imagery 2015; Helix 2015; City of San Diego 2015

DUDEK

MMP Map 71; Figure 3

Biological Resources and Impacts

Chollas Creek Channel (MMP Map 71) - Emergency Channel Maintenance

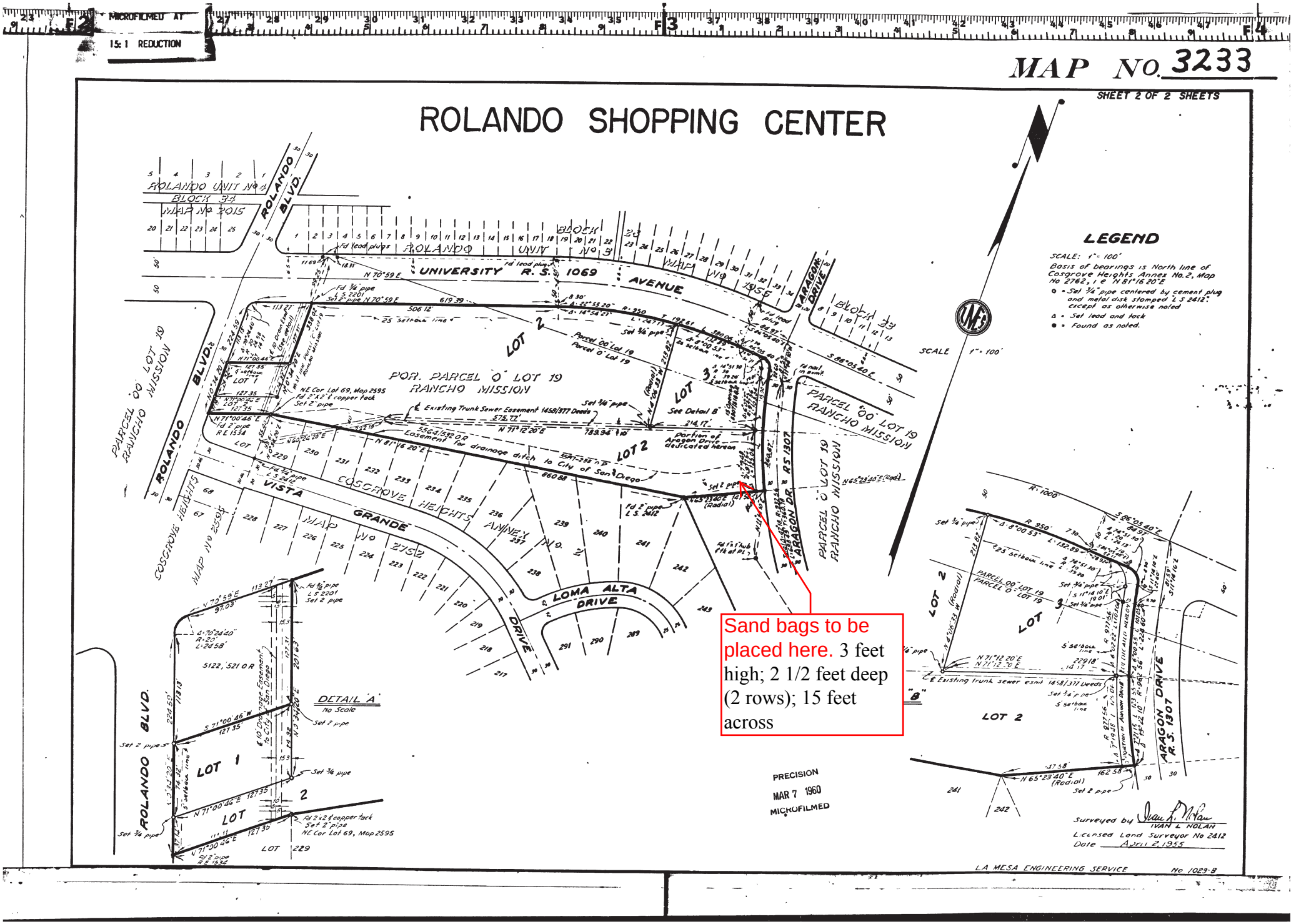

MICROFILMED AT 15:1 REDUCTION
MAP NO. 3233
SHEET 2 OF 2 SHEETS
ROLANDO SHOPPING CENTER
LEGEND
SCALE: 1" = 100'
Basis of bearings is North line of Cosgrove Heights Annex No. 2, Map No 2762, i e N 81°16 20" E
o = Set ¾" pipe centered by cement plug and metal disk stamped L S 2412: except as otherwise noted
Δ = Set lead and tack
● = Found as noted.
SCALE 1" = 100'
ROLANDO BLVD.
ROLANDO UNIT No 4
BLOCK 34
MAP No 2015
UNIVERSITY AVENUE
R. S. 1069
ARAGON DRIVE
R.S. 1307
PARCEL 'O' LOT 19 RANCHO MISSION
POR. PARCEL 'O' LOT 19 RANCHO MISSION
LOT 1
LOT 2
LOT 3
LOT 229
VISTA GRANDE
COSGROVE HEIGHTS ANNEX NO. 2
MAP No 2762
LOMA ALTA DRIVE
DETAIL 'A'
No Scale
Existing Trunk Sewer Easement 1458/377 Deeds
Easement for drainage ditch to City of San Diego
Portion of Aragon Drive dedicated hereon
Sand bags to be placed here. 3 feet high; 2 1/2 feet deep (2 rows); 15 feet across
PRECISION
MAR 7 1960
MICROFILMED
Surveyed by Ivan L. Nolan
IVAN L. NOLAN
Licensed Land Surveyor No 2412
Date April 2, 1955
LA MESA ENGINEERING SERVICE No 1023-8

Figure 4

ATTACHMENT A

Chollas Creek Channel (Section 1) Emergency Channel Maintenance, MMP Map 71

Photograph Log

Photograph 1: Looking west towards the culvert that carries flows west under Rolando Blvd. (MMP Map 71; Figure 3). (November 19, 2015; 1:20pm)	**Photograph 2:** Looking at the west end of the channel beneath the disturbed wetland (palm-dominated) within MMP Map 71; Figure 3. (November 19, 2015; 2:34pm)

Photograph 3: Looking upstream from the north side of the channel at vegetation (exotic) growing up in the channel (MMP Map 71; Figure 3).

(November 19, 2015; 1:34pm)

Photograph 4: From the eastern end of the proposed maintenance area, looking south at vegetation (willows and palms) within the channel (MMP Map 71; Figure 3).

(November 19, 2015; 1:47pm)

Photograph 5: Looking south into the palm-dominated vegetation near the west end of the channel (MMP Map 71; Figure 3).

(November 19, 2015; 2:54pm)

Photograph 6: Looking at the vegetation and sediment built up in the eastern end of the proposed maintenance area within MMP Map 71; Figure 3).

(November 19, 2015; 1:47pm)

From:	Honma, Lisa@Waterboards
To:	Whitney, Travis
Cc:	Matter, Gene; Rothman, Christine; Rom, Catherine; WB-DWQ-Stateboard401; Deisher, Helene; Rose Galer (Rose.A.Galer@usace.army.mil); Fisher, Kelly@Wildlife; Becker, Eric@Waterboards
Subject:	Enrollment in RGP 63 Certification for Chollas Creek Map 71 Emergency Channel Maintenance Project
Date:	Monday, January 04, 2016 11:37:41 AM
Attachments:	image001.jpg image002.jpg

Travis, The City has been enrolled in the General Certification for RGP-63. The City is responsible for meeting the provisions of the permit.

Consistent with the San Diego Water Board's approach in certifying routine channel maintenance projects and in accordance with section VI of Clean Water Act Section 401 Water Quality Certification for U.S. Army Corps of Engineers Reauthorization of Regional General Permit 63 for Repair and Protection Activities in Emergency Situations, SB13006IN (RGP-63 Certification), the City of San Diego will be required to provide compensatory mitigation for permanent impacts that result in a loss of functions in the amount of 2:1 (area mitigated:area impacted) in wetland rehabilitation (1:1) and wetland enhancement (1:1) for the removal of 0.11 acre southern willow scrub and 0.02 acre of wetland. No compensatory mitigation will be required for the removal of sediment from unvegetated stream channel (natural flood channel) or disturbed land.

In the subject line of any response, please include the reference number R9-2015-0212:820311:lhonma.

Please let me know if you have any questions. Thanks and I wish you happy holidays, Lisa

Lisa E.B. Honma
Watershed & Riparian Protection Unit

2375 Northside Drive, Suite 100
San Diego, CA 92108

save_water

Direct Line: 619/521-3367
Front Desk: 619/516-1990
E-mail: Lisa.Honma@waterboards.ca.gov
Office Website: http://www.waterboards.ca.gov/sandiego/

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Please take the time to fill out our electronic customer service survey

located at http://www.calepa.ca.gov/Customer/ .

From: Whitney, Travis [mailto:TWhitney@sandiego.gov]
Sent: Friday, December 18, 2015 4:14 PM
To: sandiego; WB-DWQ-Stateboard401; Honma, Lisa@Waterboards
Cc: Matter, Gene; Rothman, Christine; Rom, Catherine
Subject: City of San Diego - Chollas Creek Map 71 - RGP 63 Attachment D

Good Afternoon,

Please find the attached RGP 63 Attachment D for the Chollas Creek MMP Map 71 emergency maintenance project. A check and associated transmittal letter will be submitted to the San Diego RWQCB offices before 5pm today.

Please contact me with any questions.

Thank you,

Travis Whitney
Associate Planner
City of San Diego
Transportation & Storm Water Department
2781 Caminito Chollas, MS 44
San Diego, CA 92105
(619) 527-8058 | (619) 307-5268 (Cell)
TWhitney@sandiego.gov

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FINAL REPORT FORM FOR REGIONAL GENERAL PERMIT 63 FOR REPAIR AND PROTECTION ACTIVITIES IN EMERGENCY SITUATIONS (RGP 63)

Instructions for Attachment E

Attachment E must be submitted electronically as a pdf with a valid signature within 45 calendar days of completion of any emergency actions conducted under RGP 63. Attachment E must be submitted to the State Water Resources Control Board (State Water Board) and the applicable Regional Water Quality Control Board (Regional Water Board).

For State Water Board Submittal
Email: Stateboard401@waterboards.ca.gov (Subject: RGP 63)

For the applicable Regional Water Board Submittal
A staff directory that includes contact information for the State and Regional Water Boards is found at:
http://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/staffdirectory.pdf

PROPERTY OWNER		
Name: City of San Diego	Phone Number: 619-527-7506	
Mailing Address: 2781 Caminito Chollas, MS 44		
City: San Diego	State: CA	ZIP Code: 92105
Contact Person: Gene Matter	E-Mail: rmatter@sandiego.gov	
BILLING ADDRESS		
Name: SAME AS ABOVE	Phone Number:	
Mailing Address:		
City:	State:	ZIP Code:
Contact Person:	E-Mail:	
DISCHARGER (If different from owner)		
Name:	Phone Number:	
Mailing Address:		
City:	State:	ZIP Code:
Contact Person:	E-Mail:	
PROJECT SITE LOCATION		
Street (include address, if any): 4181 Vista Grande Dr. San Diego, CA 92115		
Nearest Cross Street(s): Vista Grande Dr. and Rolando Blvd.		
County: San Diego	Total size of project site (acres): 0.47	
Photos Attached: ☒ Yes ☐ No		

Latitude/Longitude (Center of Discharge Area) in degrees/minutes/seconds (DMS) to the nearest ½ second OR decimal degrees (DD) to four decimals (0.0001 degree)

DMS: N. Latitude Deg. Deg. __32___ Min. __43____ Sec. ___12.25_____

W. Longitude Deg. _117__ Min. __6___ Sec. __35.9____

DD: N. Latitude _32.75419_____

W. Longitude _-117.05697_____

Attach a map of at least 1:24000 (1" = 2000') detail of the impact site(s).

Indicate the map format used (listed in order of preference):

X **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 aquatic resource type. 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.

☐ **Google KML files** saved from Google Maps: My Maps (free) or Google Earth Pro (not free). Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted.*

X Aquatic resource maps marked on paper USGS 7.5 minute **topographic maps** or DOQQ printouts. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted.

*** If using Google Maps: My Maps or similar, provide URL(s) of maps.**

DISCHARGE INFORMATION	
Project Start Date: 1/12/2016	Project Completion Date: 4/28/2016
Names of Receiving Water(s):	
Chollas Creek; Unnamed tributary to South Chollas Valley (Hydrologic Unit Basin Number 8.22)	
Receiving Water Types:	
☐Lake/Reservoir ☐Ocean/Estuary/Bay X River/Streambed	X Riparian Area ☐Vernal Pool ☐Wetland
Regulatory Agencies with Jurisdiction Over Project and Associated Permits/Agreements:	
Army Corps of Engineers – RGP 63, Authorization SPL-2015-00924-MG California Department of Fish and Wildlife – Emergency Notification Regional Water Quality Control Board	
Emergency Project Description: (e.g. discharge of riprap; discharge of fill; excavation for a utility line)	
Permanently impact approximately 800 linear feet (0.21 acre) of the earthen lined section of Chollas Creek (MMP Map 71; Figure 3) by excavating accumulated sediment, vegetation and debris. Temporarily impact Chollas Creek by placing fill consisting of a sand bag berm approximately 2.5 feet wide, 3 feet high, and 15 feet long during maintenance activities to	

prevent upstream flows from entering the work area. The channel section west of Rolando Blvd. is concrete lined and was not included as part of this emergency channel work. Land covers and vegetation communities removed during maintenance included 0.02 acres of riparian scrub (disturbed southern willow scrub), 0.06 acres of natural flood channel, and 0.11 acres of disturbed wetland (palm dominated). Total impacts to jurisdictional areas are 0.19 acres (800 linear feet) of wetland waters of the U.S. channel. An additional 0.21 acre of disturbed wetland (palm dominated), 0.02 acre of disturbed land and 0.04 acre of riparian scrub (disturbed southern willow scrub) above the Ordinary High Water Mark (OHWM) under CDFW jurisdiction only was also removed.

The City emergency contractor used the Excavator and Tracksteer/Bobcat as the primary tools to clear the vegetation and sediment from within the channel. At the start of maintenance, the Excavator reached into the channel on the downstream end of the maintenance area from the staging area (located west of 4181 Vista Grande Dr.) to clear sediment and palm trees that were constricting channel capacity. The Excavator then entered the channel and began removing vegetation and sediment upstream in the channel. The channel was cleared to its as-built capacity. Large palm trees that were removed from the channel were deposited in the staging area at the corner of Rolando Blvd. and Vista Grande Dr. where chain saws were then used to cut the trees into smaller sections that could be loaded into dump trucks and taken to the approved disposal location (Miramar Landfill). All work was monitored by a qualified biologist and equipment was removed from the site at the end of the project.

On March 25, 2016, The City of San Diego submitted a request to amend Special Condition I of the Department of the Army permit for the Chollas Creek Channel Maintenance Map 71. On April 11, 2016, under the provisions of 33 Code of Federal Regulations 325.6(d), the permit modification was authorized, and the completion date was extended from March 27, 2016 to June 26, 2016.

The Corps did not authorize the request to conduct channel stabilization as the request to modify the authorized work to include stabilization of channel bed and banks as described in March 10, 2016 Memo prepared by Rick Engineering does not directly address the limited flood capacity of the channel and is therefore beyond the scope of the original RGP 63 verification dated December 29, 2015. Additionally, the proposed modification of work is more than the minimum necessary to alleviate the immediate flood risk. Thus the authorized work is not modified.

Purpose of the Entire Project Activity: (e.g. stream-bank erosion control; maintain, repair, or restore damaged property)

Prior to the start of emergency maintenance section (MMP Map 71; Figure 3), the City of San Diego's (City's) assessment determined that sediment and vegetation had accumulated along the entire length of the Chollas Creek Channel and that the volume of sediment and vegetation was posing an imminent flood threat to properties adjacent to the channel from the reduction of channel capacity as well as from potential clogging of the downstream culvert if large amounts of vegetation and debris were dislodged during heavy flows.

The purpose of this project was to remove accumulated sediment and vegetation within the Chollas Creek Channel from where the sediment began just west of 6523 University Ave. along the entire length of channel west to the inlet that runs under Rolando Blvd.

The strength of the 2015-2016 El Niño was unexpected, and it, combined with the observed reduced channel capacity, created a substantial likelihood that significant rain events would cause further flooding of downstream streets and properties. Therefore, it was necessary that removal of vegetation and sediment, as well as rip rap repair on the southwestern slope, be conducted expeditiously to prevent additional infrastructure damage and potential flooding.

Erosion and Sediment Control Measures Implemented:

When downstream flows became too heavy to be held by the upstream check dam, a gas pump and hose system was deployed at the upstream channel outlet just west of 6523 University Ave. and the downstream flows were diverted around the maintenance area west of Rolando Blvd. Ground water that entered the work area was not allowed to pass downstream or was pumped to a section of the channel where there was positive flow to the west prior to the start of work. Any residual standing water within the work area was allowed to dissipate or evaporate prior to start of work, when practicable. A sandbag berm was installed at the downstream end of the channel under Rolando Blvd. in order to prevent any incidental flows coming from channel work areas from carrying sediment or pollutants downstream. Access/staging areas adjacent to the channel were located in previously disturbed areas and adequate BMPs were placed in these areas to prevent sedimentation and erosion to occur. Fiber rolls were installed on the exposed earthen slopes following maintenance in order to prevent erosion.

Pollution Prevention Measures Implemented:

The 401 Certification for RGP 63 lists 7 BMP conditions (Section D):

1. Appropriate materials were kept on site to contain potential spills. No spills occurred.
2. Fueling, vehicle maintenance, storage, etc. were located outside of waters of the state and did not result in any discharges.
3. No spills occurred and therefore no notification to the Water Boards was required.
4. The water diversion activities did not result in degradation of beneficial uses. Placement of temporary dams caused little or no siltation. Normal flows were restored to the stream upon completion of work.
5. All construction materials and debris were removed or stockpiled outside of the waters of the state following completion of the emergency action.
6. All necessary BMPs to control erosion and runoff from staging and access areas were employed. No temporary impacts occurred and therefore no restoration is required.
7. No invasive species have been used or will be used in any future revegetation that is implemented.

Fill and Excavation Discharges: For each aquatic resource type listed below indicate in acres, cubic yards, and linear feet the actual discharge to waters of the state, and identify the impact(s) as permanent and/or temporary.

Aquatic Resource Type	**Temporary Impact**			**Permanent Impact**		
	Acres	*Cubic Yards*	*Linear Feet*	*Acres*	*Cubic Yards*	*Linear Feet*
Lake/Reservoir						
Ocean/Estuary/Bay						
Riparian Zone						
Stream Channel				0.19	4200	800
Vernal Pool						
Wetland						

COMPENSATORY MITIGATION	
Required: X Yes ☐No	Photos Attached: X Yes ☐ No
Compensatory Mitigation Description (include aquatic resource type and acres and linear feet):	

All work was limited to sediment and vegetation within the as-built limits of the earthen channel. Vegetation communities removed during maintenance included 0.02 acres of riparian scrub (disturbed southern willow scrub), 0.06 acres of natural flood channel, and 0.11 acres of disturbed wetland (palm dominated). Total impacts to jurisdictional areas are 0.19 acres (800 linear feet) of wetland waters of the U.S. channel. An additional 0.21 acre of disturbed wetland (palm dominated), 0.02 acre of disturbed land and 0.04 acre of riparian scrub (disturbed southern willow scrub) above the Ordinary High Water Mark (OHWM) under CDFW jurisdiction only was also removed.

The USACE authorized the proposed maintenance on January 4, 2016 through issuance of a Regional General Permit 63 Authorization (SPL-2015-00924-MG). No compensatory mitigation is required under the authorization. This report will be provided to the USACE as a post-maintenance report, pursuant to RGP 63.

The San Diego RWQCB acknowledged the Army Corps of Engineer's RGP 63 authorization for the project in an email from Lisa Honma dated January 4, 2016. The email states: "Consistent with the San Diego Water Board's approach in certifying routine channel maintenance projects and in accordance with section VI of Clean Water Act Section 401 Water Quality Certification for U.S. Army Corps of Engineers Reauthorization of Regional General Permit 63 for Repair and Protection Activities in Emergency Situations, SB13006IN (RGP-63 Certification), the City of San Diego will be required to provide compensatory mitigation for permanent impacts that result in a loss of functions in the amount of 2:1 (area mitigated:area impacted) in wetland rehabilitation (1:1) and wetland enhancement (1:1) for the removal of 0.11 acre southern willow scrub and 0.02 acre of wetland. No compensatory mitigation will be required for the removal of sediment from unvegetated stream channel (natural flood channel) or disturbed land."

It should be noted that the acreages of impacts to riparian scrub (disturbed southern willow scrub) and disturbed wetland (palm dominated) were switched in the RWQCB's approval email. Impacts proposed in the pre-maintenance Attachment D notification were to 0.02 acre of riparian scrub (disturbed southern willow scrub) and 0.11 acre of disturbed wetland (palm dominated). As such, a subsequent mitigation plan or purchase of approved mitigation credits totaling 0.04 ac are required to be submitted to the San Diego RWQCB for impacts to 0.02 acres of riparian scrub (disturbed southern willow scrub). It is assumed that, although impacts to disturbed wetland were addressed in the RWQCB approval email, these impacts will not require mitigation as they are to an exotic (palm) dominated wetland community. Contact information and details regarding the mitigation site/credits will be provided to the San Diego RWQCB.

Since the San Diego RWQCB has required mitigation for "permanent impacts" of the project, the City requests that the San Diego RWQCB provide written confirmation of the assumptions described above for mitigation of vegetation communities impacted as well as that the total required mitigation reported in this document are adequate to mitigate any future maintenance of this channel that results in similar loss of functions (i.e., vegetation and sediment removal within the same maintenance footprint).

MITIGATION SITE LOCATION
Street (include address, if any):
Nearest Cross Street(s):

County:

Latitude/Longitude (Center of Mitigation Area) in degrees/minutes/seconds (DMS) to the nearest ½ second OR decimal degrees (DD) to four decimals (0.0001 degree)

DMS: N. Latitude Deg. _____ Min. _____ Sec. ___.____

W. Longitude Deg. _____ Min. _____ Sec. _____.____

DD: N. Latitude _____

W. Longitude _____

Attach a map of at least 1:24000 (1" = 2000') detail of the mitigation site.

Indicate the map format used (listed in order of preference):

☐ **GIS shapefiles**. The shapefiles must depict the boundaries of all project(s) and extent of aquatic resources. Each shape should be attributed with the aquatic resource type. 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.

☐ **Google KML files** saved from Google Maps: My Maps (free) or Google Earth Pro (not free). Maps must show the boundaries of all project(s) and extent/type of aquatic resources.*

☐ Aquatic resource maps marked on paper USGS 7.5 minute **topographic maps** or DOQQ printouts. Maps must show the boundaries of all project(s) and extent/type of aquatic resources.

*** If using Google Maps: My Maps or similar, provide URL(s) of maps.**

CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. In addition, I certify that the provisions of this Certification and Corps Regional General Permit No. 63 will be complied with."

Signature of Discharger	Title Assistant Deputy Director
Printed or Typed Name Gene Matter	Date June 13, 2016

CHOLLAS CREEK
(MMP MAPS 91 & 93)

ACOE RGP 63 Authorization
RWQCB 401 Certification Email
RWQCB Attachment E

DEPARTMENT OF THE ARMY
LOS ANGELES DISTRICT, U.S. ARMY CORPS OF ENGINEERS
5900 LA PLACE COURT, SUITE 100
CARLSBAD, CALIFORNIA 92008

December 17, 2015

Mr. Gene Matter
City of San Diego
Storm Water Division
2781 Caminito Chollas, MS 44
San Diego, California 92105

DEPARTMENT OF THE ARMY REGIONAL GENERAL PERMIT NO. 63

Dear Mr. Matter:

I am responding to your request (SPL-2015-00887-RAG) for a Department of the Army permit for your proposed project, Chollas Creek Channel Maintenance. The proposed project is located near 856 S. Gregory Street, San Diego County, California at Latitude 32.69651°N and Longitude -117.12214°W.

Because this project would result in a discharge of dredged and/or fill material into waters of the United States a Department of the Army permit is required pursuant to Section 404 of the Clean Water Act (33 USC 1344; 33 CFR parts 323 and 330).

I have determined construction of your proposed project, if constructed as described in your application, would comply with Regional General Permit (RGP) No. 63 - Repair and Protection Activities in Emergency Situations. Specifically, and as shown in the enclosed figures, you are authorized to:

1. Remove accumulated sediment, vegetation, and debris from 650 linear feet (0.67 acre) of Chollas Creek (identified as Map 93 in Figure 3b) using a loader, dozer, and excavator. Excavated material will be loaded into dump trucks located in the Access/Staging areas and taken to the Miramar Landfill for disposal.
2. Place fill, consisting of a sand bag berm approximately 2.5 feet wide, 3 feet high, and 20 feet long into Chollas Creek channel (Map 91 and Map 93) during maintenance activities to prevent upstream flows from entering the work area and/or to isolate the work area from downstream reaches which have standing water. The sandbag berm will be removed immediately upon completion of maintenance activities.

For this RGP verification letter to be valid, you must comply with all of the terms and conditions of RGP No. 63 - Repair and Protection Activities in Emergency Situations, available at http://www.spl.usace.army.mil/Missions/Regulatory/RegionalGeneralPermits.aspx. Furthermore, you must comply with the following non-discretionary Special Conditions:

1. The work authorized by this RGP must be underway no later than fourteen (14) calendar days from date of issuance of this letter of verification.

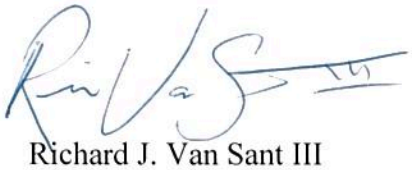
2. As directed in RGP No. 63, any work authorized by this RGP must be the minimum necessary to alleviate the immediate emergency, unless complete reconstruction does not result in significantly increased impacts to aquatic resources and logistical concerns indicate such reconstruction is as expedient considering the condition of the project site and is limited to in-kind replacement or refurbishment.

3. As directed in RGP No. 63, you shall provide a written report to this office (within 45 days of completing the project) after completion of any action conducted under this RGP. **PROVIDING THIS REPORT IS MANDATORY**. At a minimum the Report shall include the following:
   A) The name, address, and telephone number of the applicant and the applicant's agent (if appropriate).
   B) Full description of the activity including:
      i) Description of the emergency and the potential for loss of life or property;
      ii) Purpose of the activity;
      iii) Final goal of the entire activity;
      iv) Location (e.g., latitude/longitude or UTM coordinates; section/township/range on appropriate USGS topographic map; Thomas Guide map, or other source to accurately portray project location);
      v) Size and description of project area (include maps or drawings showing the areal and lineal extent of the project, and pre- and post-construction photographs); and
      vi) Quantities of materials used.
   C) Information on receiving waterbody impacted including:
      i) Name of waterbody;
      ii) Type of receiving waterbody (e.g., river/streambed, lake/reservoir, ocean/estuary/bay, riparian area, wetland type, etc.);
      iii) Temporary/permanent adverse impact(s) in acres/cubic yards/linear feet;
      iv) Compensatory mitigation in acres/cubic yards/linear feet; and
      v) Other mitigation steps (to avoid, minimize, compensate).
   D) Information on federally listed or proposed endangered species or designated or proposed critical habitat including:
      i) Temporary/permanent adverse impacts;
      ii) Compensatory mitigation; and
      iii) Other mitigation steps (to avoid, minimize, compensate).

A general permit does not grant any property rights or exclusive privileges. Also, it does not authorize any injury to the property or rights of others or authorize interference with any existing or proposed Federal project. Furthermore, it does not obviate the need to obtain other Federal, State, or local authorizations required by law.

Thank you for participating in the regulatory program. If you have any questions, please contact Meris Guerrero at 760-602-4836 or via e-mail at Meris.Guerrero@usace.army.mil. Please help me to evaluate and improve the regulatory experience for others by completing the customer survey form at http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey.

Sincerely,



Richard J. Van Sant III
Acting Team Lead
South Coast Branch

Enclosures

From:	Vipul Joshi
To:	Scott Gressard
Subject:	FW: RGP 63 Request - Lower Chollas Creek Channel, MMP Maps 91 & 93
Date:	Monday, December 21, 2015 7:27:32 PM
Attachments:	image001.jpg image002.jpg

fyi

From: Honma, Lisa@Waterboards [mailto:Lisa.Honma@waterboards.ca.gov]
Sent: Monday, December 21, 2015 2:18 PM
To: Rothman, Christine
Cc: Matter, Gene; Rom, Catherine; Whitney, Travis; Rose Galer (Rose.A.Galer@usace.army.mil); Vipul Joshi; Becker, Eric@Waterboards
Subject: RE: RGP 63 Request - Lower Chollas Creek Channel, MMP Maps 91 & 93

Christine, The City has been enrolled in the General Certification for RGP-63 (attached). The City is responsible for meeting the provisions of the permit.

Consistent with the San Diego Water Board's approach in certifying routine channel maintenance projects and in accordance with section VI of Clean Water Act Section 401 Water Quality Certification for U.S. Army Corps of Engineers Reauthorization of Regional General Permit 63 for Repair and Protection Activities in Emergency Situations, SB13006IN (RGP-63 Certification), the City of San Diego will be required to provide compensatory mitigation for permanent impacts that result in a loss of functions in the amount of 2:1 (area mitigated:area impacted) in wetland enhancement for the removal of freshwater marsh. No compensatory mitigation will be required for the removal of non-native vegetation, unvegetated stream channel, or open water.

In the subject line of any response, please include the reference number R9-2015-0198:820036:lhonma.

Please let me know if you have any questions. Thanks and I wish you happy holidays, Lisa

Lisa E.B. Honma
Watershed & Riparian Protection Unit

2375 Northside Drive, Suite 100
San Diego, CA 92108

save_water

Direct Line: 619/521-3367
Front Desk: 619/516-1990

E-mail: Lisa.Honma@waterboards.ca.gov
Office Website: http://www.waterboards.ca.gov/sandiego/

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Please take the time to fill out our electronic customer service survey located at http://www.calepa.ca.gov/Customer/ .

From: Rothman, Christine [mailto:CRothman@sandiego.gov]
Sent: Friday, December 04, 2015 4:02 PM
To: sandiego; Becker, Eric@Waterboards; Honma, Lisa@Waterboards
Cc: Matter, Gene; Rom, Catherine; Whitney, Travis; Rose Galer (Rose.A.Galer@usace.army.mil); Vipul Joshi (vjoshi@dudek.com)
Subject: City of San Diego - Chollas Creek Channel, MMP Maps 91 & 93 - RGP 63 Request - RWQCB Attachment D

Please find the attached RGP63 Attachment D form for the Chollas Creek, MMP Maps 91 & 93 emergency maintenance project. A check for $200.00 and associated transmittal letter are being submitted to the San Diego RWQCB offices this afternoon by staff from our division.

Please feel free to contact me with any questions.

Thank you,

Christine Rothman, AICP
Development Project Manager III
City of San Diego | Transportation & Stormwater|Operations & Maintenance
2781 Caminito Chollas, MS#44 | San Diego, CA 92105 | office: (619) 527.3470

Correspondents should assume that all communication to or from this address is recorded and may be reviewed by third parties.

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FINAL REPORT FORM FOR REGIONAL GENERAL PERMIT 63 FOR REPAIR AND PROTECTION ACTIVITIES IN EMERGENCY SITUATIONS (RGP 63)

Instructions for Attachment E

Attachment E must be submitted electronically as a pdf with a valid signature within 45 calendar days of completion of any emergency actions conducted under RGP 63. Attachment E must be submitted to the State Water Resources Control Board (State Water Board) and the applicable Regional Water Quality Control Board (Regional Water Board).

For State Water Board Submittal
Email: Stateboard401@waterboards.ca.gov (Subject: RGP 63)

For the applicable Regional Water Board Submittal
A staff directory that includes contact information for the State and Regional Water Boards is found at:
http://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/staffdirectory.pdf

PROPERTY OWNER		
Name: City of San Diego	Phone Number: 619-527-7506	
Mailing Address: 2781 Caminito Chollas, MS 44		
City: San Diego	State: CA	ZIP Code: 92105
Contact Person: Gene Matter	E-Mail: rmatter@sandiego.gov	
BILLING ADDRESS		
Name: SAME AS ABOVE	Phone Number:	
Mailing Address:		
City:	State:	ZIP Code:
Contact Person:	E-Mail:	
DISCHARGER (If different from owner)		
Name:	Phone Number:	
Mailing Address:		
City:	State:	ZIP Code:
Contact Person:	E-Mail:	
PROJECT SITE LOCATION		
Street (include address, if any): 3399 Durant St, San Diego, CA 92113		
Nearest Cross Street(s): South 33rd St, Ocean View Blvd., National Ave., South Gregory St.		
County: San Diego	Total size of project site (acres): 3.22	
Photos Attached: X Yes ☐ No		

Latitude/Longitude (Center of Discharge Area) in degrees/minutes/seconds (DMS) to the nearest ½ second OR decimal degrees (DD) to four decimals (0.0001 degree)

DMS: N. Latitude Deg. __32____ Min. ___41____ Sec. __54.36_____

W. Longitude Deg. __117_____ Min. ___07_____ Sec. __16.56_____

DD: N. Latitude _____

W. Longitude _____

Attach a map of at least 1:24000 (1" = 2000') detail of the impact site(s).

Indicate the map format used (listed in order of preference):

X **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 aquatic resource type. 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.

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*** If using Google Maps: My Maps or similar, provide URL(s) of maps.**

DISCHARGE INFORMATION	
Project Start Date: December 30, 2015	Project Completion Date: January 19, 2016
Names of Receiving Water(s):	
Chollas Creek (Hydrologic Unit Basin Number 8.22)	
Receiving Water Types:	
☐Lake/Reservoir ☐Ocean/Estuary/Bay X River/Streambed	☐ Riparian Area ☐Vernal Pool X Wetland
Regulatory Agencies with Jurisdiction Over Project and Associated Permits/Agreements:	
Army Corps of Engineers – RGP 63, Authorization SPL-2015-00862-RAG California Department of Fish and Wildlife –Notification of Emergency Work City of San Diego – Emergency Permit PTS #459745 & Approval No. 1608293	
Emergency Project Description: (e.g. discharge of riprap; discharge of fill; excavation for a utility line)	
Emergency maintenance of the channel included the removal of all existing sediment and vegetation, with the exception of 0.11 acres of coastal salt marsh located in the southern section of the proposed maintenance are (MMP Map 93; Figure 3b). In the northern section of the	

channel along South Gregory St. (MMP Map 91; Figure 3a), the City's assessment determined that accumulated sediment and freshwater marsh vegetation had accumulated upstream of the Ocean View Blvd. bridge and was contributing to flood risk and reduced capacity of the channel. The length of the channel is a combination of a trapezoidal concrete-lined channel (MMP Map 91; Figure 3a) and an earthen natural flood channel (MMP Map 93; Figure 3b). Emergency maintenance was conducted from the beginning of sediment build up just north of the I-15 southbound Ocean View Boulevard Exit south approximately 2,899 feet downstream with an average bottom width of approximately 50 feet.

Land covers and vegetation that were removed include 1.69 acres of developed concrete-lined channel, 0.34 acre of natural flood channel (earthen bottom), 0.23 acre of freshwater marsh (earthen bottom), 0.80 acre of freshwater marsh (concrete-lined), 0.04 acre of open water (earthen bottom), 0.06 acre of open water (concrete-lined), and 0.06 acre of disturbed wetland (Arundo-dominated). Total impacts to jurisdictional areas were 3.22 acres (2,899 linear feet) of wetland and non-wetland waters of the U.S. An additional, 0.04 acre of disturbed land (non-jurisdictional uplands) was graded to re-establish the channel.

A loader, dozer, and excavator were used to remove accumulated sediment and vegetation. The equipment utilized the access/staging areas shown on MMP Maps 91&93; Figures 3a&3b. Due to the accumulation of sediment, the smaller tracksteer/bobcat was used to clear material from beneath the National Ave. bridge (MMP Map 93; Figure 3b). The debris was then loaded into dump trucks in the access/staging areas and taken to a temporary stockpiling area, prior to being hauled off for legal disposal. All work was monitored by a qualified biologist and all equipment and materials were removed following completion of work.

Purpose of the Entire Project Activity: (e.g. stream-bank erosion control; maintain, repair, or restore damaged property)

The purpose of the project was to remove built up sediment and vegetation within the Chollas Creek channel that was constricting capacity and caused the flooding of adjacent roadways and properties. City crews were called out in November 2015 to clean up the area from mud and debris that had overflowed from the channel onto South Gregory St. during a rain event (Attachment A).

The City's assessment in the southern channel section (MMP Map 93; Figure 3b), which is located directly downstream of MMP Map 91; Figure 3a, determined that sediment buildup had narrowed the channel in several locations resulting in reduced flows. Recent communication with residents substantiated that several properties, including 818 S. Gregory Street, had flooded during recent rain events. The City determined the residential properties adjacent to the channel (Attachment B) were under imminent threat of potential severe damage from storm flows, given the channel's condition. The National Avenue bridge experienced a 40% reduction in flow capacity from its as-built capacity (Attachment A; Photograph 12). This reduction in capacity under the bridge caused flows to back-up upstream, further exaggerating the imminent flood risk to adjacent properties and also contributing to the flooding threats discussed in the first section (MMP Map 91; Figure 3a). The channel conditions before the emergency maintenance combined with the prediction of an El Nino weather pattern and heavy winter storms constituted an emergency situation requiring immediate action to prevent further flood damage to surrounding areas.

This emergency activity met the criteria set forth in CEQA Section 21080(b)(4) and Section 15269 of the CEQA Guidelines which allows for actions necessary to prevent or mitigate an emergency.

Erosion and Sediment Control Measures Implemented:

Sandbag and sediment berms were also constructed and pumps were used to create dry conditions within the work area of the channel. The discharge hose of the pump had a filter bag and was monitored to ensure no sedimentation or erosion occurred.

Pollution Prevention Measures Implemented:

The 401 Certification for RGP 63 lists 7 BMP conditions (Section D):

1. Appropriate materials were kept on site to contain potential spills. No spills occurred.
2. Fueling, vehicle maintenance, storage, etc. were located outside of waters of the state and did not result in any discharges.
3. No spills occurred and therefore no notification to the Water Boards was required.
4. All construction materials and debris were removed following completion of the emergency action.
5. The water diversion activities did not result in degradation of beneficial uses. Placement of temporary dams caused little or no siltation. Normal flows were restored to the stream upon completion of work.
6. All necessary BMPs to control erosion and runoff from staging and access areas (e.g., fiber rolls) were employed. No temporary impacts occurred and therefore no restoration is required.
7. No revegetation is required. Channel maintenance was conducted within the channel bed which cannot be revegetated and will naturally recruit where areas are suitable for vegetation. Areas of invasive species which were cut to grade will continue (for up to 2 years) to be re-treated to control re-sprouts.

Fill and Excavation Discharges: For each aquatic resource type listed below indicate in acres, cubic yards, and linear feet the actual discharge to waters of the state, and identify the impact(s) as permanent and/or temporary.

Aquatic Resource Type	Temporary Impact			Permanent Impact		
	Acres	*Cubic Yards*	*Linear Feet*	*Acres*	*Cubic Yards*	*Linear Feet*
Lake/Reservoir						
Ocean/Estuary/Bay						
Riparian Zone						
Stream Channel				1.99		2,516
Vernal Pool						
Wetland				0.23		253

COMPENSATORY MITIGATION

Required: X Yes ☐ No | Photos Attached: X Yes ☐ No

Compensatory Mitigation Description (include aquatic resource type and acres and linear feet):

All work was limited to sediment and vegetation within the concrete-lined channel and earthen natural flood channel. Vegetation communities that were removed as part of this maintenance included 1.69 acres of developed concrete-lined channel, 0.34 acre of natural flood channel (earthen bottom), 0.23 acre of freshwater marsh (earthen bottom), 0.80 acre of freshwater marsh (concrete-lined), 0.04 acre of open water (earthen bottom), 0.06 acre of open water (concrete-lined), and 0.06 acre of disturbed wetland (Arundo-dominated). Total impacts to jurisdictional areas were 3.22 acres (2,899 linear feet) of wetland and non-wetland waters of the U.S. An additional, 0.04 acre of disturbed land (non-jurisdictional uplands) was graded to re-establish the channel.

The San Diego RWQCB acknowledged the Army Corps of Engineer's RGP 63 authorization for the project in an email from Lisa Honma dated December 21, 2015. The email states: "Consistent with the San Diego Water Board's approach in certifying routine channel maintenance projects and in accordance with section VI of Clean Water Act Section 401 Water Quality Certification for U.S. Army Corps of Engineers Reauthorization of Regional General Permit 63 for Repair and Protection Activities in Emergency Situations, SB13006IN (RGP-63 Certification), the City of San Diego will be required to provide compensatory mitigation for permanent impacts that result in a loss of functions in the amount of 2:1 (area mitigated:area impacted) in wetland enhancement for the removal of freshwater marsh. No compensatory mitigation will be required for the removal of non-native vegetation, unvegetated stream channel, or open water."

As such, a subsequent mitigation plan or purchase of approved mitigation credits totaling 2.06 acres is required to be submitted to the San Diego RWQCB for impacts 0.80 acre of freshwater marsh (concrete-lined) and 0.23 acre of freshwater marsh (earthen). Contact information and details regarding the mitigation site/credits will be provided to the San Diego RWQCB.

It should be noted that since the San Diego RWQCB has required mitigation for "**permanent impacts**" of the project, the City requests that the San Diego RWQCB provide written acknowledgment that the required mitigation is adequate to mitigate any future maintenance of this channel that results in similar loss of functions (i.e., vegetation and sediment removal within the same maintenance footprint).

MITIGATION SITE LOCATION

Street (include address, if any):

Nearest Cross Street(s):

County:

Latitude/Longitude (Center of Mitigation Area) in degrees/minutes/seconds (DMS) to the nearest ½ second OR decimal degrees (DD) to four decimals (0.0001 degree)

DMS: N. Latitude Deg. _____ Min. _____ Sec. _____

W. Longitude Deg. _____ Min. _____ Sec. _____

DD: N. Latitude _____

W. Longitude _____

Attach a map of at least 1:24000 (1" = 2000') detail of the mitigation site.

Indicate the map format used (listed in order of preference):

X **GIS shapefiles**. The shapefiles must depict the boundaries of all project(s) and extent of aquatic resources. Each shape should be attributed with the aquatic resource type. 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.

☐ **Google KML files** saved from Google Maps: My Maps (free) or Google Earth Pro (not free). Maps must show the boundaries of all project(s) and extent/type of aquatic resources.*

☐ Aquatic resource maps marked on paper USGS 7.5 minute **topographic maps** or DOQQ printouts. Maps must show the boundaries of all project(s) and extent/type of aquatic resources.

*** If using Google Maps: My Maps or similar, provide URL(s) of maps.**

CERTIFICATION	
"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. In addition, I certify that the provisions of this Certification and Corps Regional General Permit No. 63 will be complied with."	
Signature of Discharger	Title **Assistant Deputy Director**
Printed or Typed Name **Gene Matter**	Date **March 4, 2016**

COTTONWOOD CHANNEL
(MMP MAPS 120 & 121)

ACOE RGP 63 Authorization
RWQCB 401 Certification Email
RWQCB Attachment E

DEPARTMENT OF THE ARMY
LOS ANGELES DISTRICT, U.S. ARMY CORPS OF ENGINEERS
5900 LA PLACE COURT, SUITE 100
CARLSBAD, CALIFORNIA 92008

December 18, 2015

Genene Lehotsky
City of San Diego Storm Water Division
2781 Caminito Chollas, MS 44
San Diego, California 92105

DEPARTMENT OF THE ARMY REGIONAL GENERAL PERMIT

Dear Ms. Lehotsky:

I am responding to your request (SPL-2015-00900-WSZ) for a Department of the Army (DA) permit for your proposed project, Cottonwood Channel Maintenance. The proposed project is located at 4017 Cottonwood Street in the city of San Diego, San Diego County, California (Figures 1-2).

Because this project would result in a discharge of fill material into waters of the United States a DA permit is required pursuant to Section 404 of the Clean Water Act (33 USC 1344; 33 CFR parts 323 and 330).

I have determined construction of your proposed project, if constructed as described in your application, would comply with Regional General Permit (RGP) No. 63 - Repair and Protection Activities in Emergency Situations. Specifically, and as shown in Figures 3-8, you are authorized to temporarily discharge fill material in the form of pumps and/or vector machines, as well as three sandbag berms approximately 6 feet wide, 2.5 feet deep, and 3 feet high into the concrete-lined Cottonwood channel to dewater the channel in the immediate work area in order to clear the channel of sediment, vegetation, trash, and debris. The total amount of fill results in approximately 45 square feet (0.001 acre) of temporary impacts. The sand bag berms will be removed within one week of completed work.

For this RGP verification letter to be valid, you must comply with all of the terms and conditions of RGP No. 63 - Repair and Protection Activities in Emergency Situations, available at http://www.spl.usace.army.mil/Missions/Regulatory/RegionalGeneralPermits.aspx.

A general permit does not grant any property rights or exclusive privileges. Also, it does not authorize any injury to the property or rights of others or authorize interference with any existing or proposed Federal project. Furthermore, it does not obviate the need to obtain other Federal, State, or local authorizations required by law.

Thank you for participating in the regulatory program. If you have any questions, contact Winston Zack at 760-602-4838 or via e-mail at Winston.S.Zack@usace.army.mil. Please help me to evaluate and improve the regulatory experience for others by completing the customer survey form at http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey.

Sincerely,

Richard J. Van Sant III
Acting Team Lead
South Coast Branch

Enclosures

From:	Vipul Joshi
To:	Scott Gressard
Subject:	FW: Enrollment in RGP-63 General Certification for Cottonwood Street Emergency Channel Maintenance (MMP Maps 120 & 121)
Date:	Monday, December 21, 2015 7:25:23 PM
Attachments:	image001.jpg image002.jpg

FYI

From: Honma, Lisa@Waterboards [mailto:Lisa.Honma@waterboards.ca.gov]
Sent: Monday, December 21, 2015 3:27 PM
To: Lehotsky, Genene
Cc: Rothman, Christine; rose.a.galer@usace.army.mil; Vipul Joshi; Becker, Eric@Waterboards; Winston Zack (Winston.S.Zack@usace.army.mil)
Subject: Enrollment in RGP-63 General Certification for Cottonwood Street Emergency Channel Maintenance (MMP Maps 120 & 121)

Genene, The City has been enrolled in the General Certification for RGP-63. The City is responsible for meeting the provisions of the permit.

Consistent with the San Diego Water Board's approach in certifying routine channel maintenance projects and in accordance with section VI of Clean Water Act Section 401 Water Quality Certification for U.S. Army Corps of Engineers Reauthorization of Regional General Permit 63 for Repair and Protection Activities in Emergency Situations, SB13006IN (RGP-63 Certification), the City of San Diego will be required to provide compensatory mitigation for permanent impacts that result in a loss of functions in the amount of 2:1 (area mitigated:area impacted) in wetland enhancement for the removal of disturbed wetland, disturbed freshwater marsh, and disturbed southern willow scrub.

In the subject line of any response, please include the reference number R9-2015-0203:820160:lhonma.

Please let me know if you have any questions. Thanks and I wish you happy holidays, Lisa

Lisa E.B. Honma
Watershed & Riparian Protection Unit

2375 Northside Drive, Suite 100
San Diego, CA 92108

save_water

Direct Line: 619/521-3367
Front Desk: 619/516-1990

E-mail: Lisa.Honma@waterboards.ca.gov
Office Website: http://www.waterboards.ca.gov/sandiego/

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Please take the time to fill out our electronic customer service survey located at http://www.calepa.ca.gov/Customer/ .

From: Lehotsky, Genene [mailto:DLehotsky@sandiego.gov]
Sent: Thursday, December 10, 2015 7:22 PM
To: sandiego; WB-DWQ-Stateboard401; Becker, Eric@Waterboards; Honma, Lisa@Waterboards
Cc: Matter, Gene; Rothman, Christine; rose.a.galer@usace.army.mil; Vipul Joshi
Subject: City of San Diego - Cottonwood Channel (MMP Maps 120 & 121) - RGP 63 Request - RWQCB Attachment D

Hello,

Please find the attached RGP63 Attachment D form for the Cottonwood Channel (MMP Maps 120 & 121) emergency maintenance project. A check for $200.00 and associated transmittal letter are being submitted to the San Diego RWQCB offices Friday morning by staff from our division.

Please contact me with any questions.

Thank you,
Genene

Genene Lehotsky
Senior Planner
City of San Diego, Transportation & Storm Water Department
2781 Caminito Chollas, MS 44, San Diego, CA 92105
Direct: 619-527-7507 | Fax: 619-527-7445

Attachment E

Final Report Form

FINAL REPORT FORM FOR REGIONAL GENERAL PERMIT 63 FOR REPAIR AND PROTECTION ACTIVITIES IN EMERGENCY SITUATIONS (RGP 63)

Instructions for Attachment E

Attachment E must be submitted electronically as a pdf with a valid signature within 45 calendar days of completion of any emergency actions conducted under RGP 63. Attachment E must be submitted to the State Water Resources Control Board (State Water Board) and the applicable Regional Water Quality Control Board (Regional Water Board).

For State Water Board Submittal
Email: Stateboard401@waterboards.ca.gov (Subject: RGP 63)

For the applicable Regional Water Board Submittal
A staff directory that includes contact information for the State and Regional Water Boards is found at:
http://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/staffdirectory.pdf

I. **Owner of the Land**

Name City of San Diego				
Mailing Address 2781 Caminito Chollas, MS 44				
City San Diego	County San Diego	State CA	Zip 92101	Phone 619-527-7506
Contact Person Gene Matter		Email rmatter@sandiego.gov		

II. **Billing Address**

Name SAME AS ABOVE				
Mailing Address				
City	County	State	Zip	Phone
Contact Person		Email		

III. **Discharger (if different from owner of the land)**

Name				
Mailing Address				
City	County	State	Zip	Phone
Contact Person		Email		

IV. **Site Location**

Street (including address, if any) 4017 Cottonwood Street, San Diego, CA 92113 The project was emergency maintenance of a concrete-lined drainage channel located east of Interstate 5 between Osborn Street and North Highland Avenue, within the Southeastern San Diego Community Planning Area in Council District 8, San Diego, California.	
Nearest cross street(s) S. 40th and Cottonwood St.	
County: San Diego	Total size of site (acres): 1.23
Latitude/Longitude (Center of Discharge Area) in degrees/minutes/seconds (DMS) to the nearest ½ second or decimal degrees (DD) to four decimals (0.0001 degree) DMS: N. Latitude Deg. ___32____ Min. ____68____ Sec. _____49.51_____ W. Longitude Deg. ___117____ Min. ____10____ Sec. _____71.35_____ DD: N. Latitude _____ W. Longitude _____ Attach a map of at least 1:24000 (1" = 2000') detail of the discharge site (e.g., USGS 7.5 minute topographic map).	

V. **Discharge Information**

Subject		Notes
Name(s) and type(s) of receiving waters: Chollas Creek; unnamed intermittent streams (Hydrologic Unit Basin Number 8.31)		Receiving water types are: river/streambed, lake/reservoir, ocean/estuary/bay, riparian area, wetland
Identify all regulatory agencies having jurisdiction over this project. Army Corps of Engineers, Regional Water Quality Control Board, California Department of Fish and Wildlife, and City of San Diego		For example: Dept. of Fish and Game Streambed Alteration Agreement, Coastal Commission permit
Project start date: 12/26/2015	Project completion date: 1/1/2016	

Project description:	For example: Discharge of riprap; discharge of fill; excavation for a utility line
The entire length of this channel is trapezoidal and concrete-lined (MMP Map 120&121; Figure 3a&3b). Emergency maintenance was conducted in the section of channel just west of 43rd Street/North Highland Avenue and extended 2,216 feet west to the inlet east of Osborn Street that runs under the street. This section of channel has an average bottom width of approximately 11 feet. The emergency maintenance was completed in order to prevent damage to surrounding areas from flooding during heavy storms forecasted as part of the El Nino season. Emergency maintenance of the channel included the removal of all existing vegetation and sediment from the channel. Assessment by city crews determined that overall sediment buildup, as well as an abundance of exotic vegetation with the potential to become dislodged, had caused a severe reduction of channel capacity. This build up exacerbated the risk of clogging the downstream culverts, which are fed directly by the channel, and subsequently significantly increased the risk of flooding of surrounding areas. Land covers and vegetation removed included 1.08 acres of developed concrete-lined channel, 0.03 acres of disturbed wetland (palm- dominated; concrete-lined), 0.06 acres of disturbed freshwater marsh (concrete-lined), and 0.06 acres of riparian scrub (disturbed southern willow scrub; concrete-lined). Total impacts to jurisdictional areas were 1.23 acres (2,216 linear feet) of non-wetland waters of the U.S. A Skid-steer and Bobcat were the primary tools used to push material within the channel to the Gradall to be removed and loaded into dump trucks. The Skid-steer and bobcat were placed into the channel by the Gradall at the access/staging areas along Nordica Avenue, Cottonwood Street, and Osborn Street, as shown on MMP Maps 120 and 121, Figures 3a and 3b. Debris was also loaded into the dump trucks from the access/staging areas mentioned above and taken to an approved landfill for disposal. During maintenance in the portion of the channel upstream of 42nd street, a temporary earthen berm was constructed to contain water under the culvert near 43rd Street. During channel maintenance downstream of 42nd Street, a sandbag berm and a bypass pump were used just east of the culvert at 42nd Street to prevent water and excess sediment from traveling downstream. No maintenance occurred in the channel west of Osborn Street because that section was relatively clear of material and did not pose an imminent threat to adjacent properties. All work was monitored by a qualified biologist and equipment was removed from the site at the end of the project.	

Purpose of the entire activity: The purpose of the project was to remove sediment and loosely anchored vegetation that had built up within the Cottonwood Creek channel constricting capacity and posing a high risk of clogging downstream culverts. This high risk resulted in the residential properties adjacent to this channel being under imminent threat of severe damage from storm flooding. The properties at highest risk were immediately adjacent to the culverts. These properties included: 3994 Cottonwood Creek, 2102 S. 40th Street, 2023 S. 42nd Street, and 2124 Osborn Street. Observations from City crews and residents had indicated an overall deterioration of conditions within the channel along the proposed maintenance section. With the prediction of an El Nino weather pattern and heavy winter storms, the City determined that the likelihood of vegetation and sediment being dislodged and clogging downstream culverts was extremely high. Removing only portions of the vegetation and sediment would have broken up the overall vegetative structure in the channel and would have encouraged sloughing. A culvert blockage of up to 75% would have occurred if a palm were to dislodge. Storm Water Division engineers estimated that the channel prior to maintenance was at a 2-year capacity; whereas following maintenance, the as-built capacity increases to a 25- to 50-year.Two property owners adjacent to the channel reported flooding and/or potential flooding due to heavy vegetation, debris and trash during prior rain events.	For example: Stream-bank erosion control. Maintain, repair, or restore damaged property
Map attached? Yes X No □	
Photographs attached? Yes X No □	
Erosion protection measures employed The main project area is a concrete-lined channel is not subject to erosion. Therefore in-channel maintenance does not require erosion protection measures. Adjacent access/staging areas were located in existing developed areas. Adequate BMPs were placed in those areas to prevent sedimentation and erosion to occur. Also work was conducted during dry periods.	

Pollution prevention measures employed The 401 Certification for RGP 63 lists 7 BMP conditions (Section D): 1. Appropriate materials were kept on site to contain potential spills. No spills occurred. 2. Fueling, vehicle maintenance, storage, etc. were located outside of waters of the state and did not result in any discharges. 3. No spills occurred and therefore no notification to the Water Boards was required. 4. All construction materials and debris were removed following completion of the emergency action. 5. The water diversion activities did not result in degradation of beneficial uses. Placement of temporary dams caused little or no siltation. Normal flows were restored to the stream upon completion of work. 6. All necessary BMPs to control erosion and runoff from staging and access areas were employed. No temporary impacts occurred and therefore no restoration is required. 7. No revegetation is required,	
Was compensatory mitigation required? Yes X No □	

Compensatory Mitigation for Impacts during Emergency Project (Include contact information and type of mitigation i.e. permittee responsible, mitigation bank, in-lieu fee program) (Include area and linear feet) All work was limited to sediment and vegetation within the concrete-lined channel. Vegetation communities that were impacted as part of this maintenance included 0.06 acres of riparian scrub (disturbed southern willow scrub; concrete-lined), 0.06 acres of disturbed freshwater marsh (concrete-lined), 0.03 acres of disturbed wetland (palm dominated; concrete-lined) and .). There is also an additional 1.08 acres of concrete-lined channel within the maintenance area that did not require impacts to wetlands (i.e. developed concrete-lined channel). The San Diego RWQCB acknowledged the Army Corps of Engineer's RGP 63 authorization for the project in an email from Lisa Honma dated December 21, 2015. The email states: "Consistent with the San Diego Water Board's approach in certifying routine channel maintenance projects and in accordance with section VI of Clean Water Act Section 401 Water Quality Certification for U.S. Army Corps of Engineers Reauthorization of Regional General Permit 63 for Repair and Protection Activities in Emergency Situations, SB13006IN (RGP-63 Certification), the City of San Diego will be required to provide compensatory mitigation for permanent impacts that result in a loss of functions in the amount of 2:1 (area mitigated:area impacted) in wetland enhancement for the removal of disturbed wetland, disturbed freshwater marsh, and disturbed southern willow scrub." As such, a subsequent mitigation plan or purchase of approved mitigation credits totaling 0.24 ac is required to be submitted to the San Diego RWQCB for impacts 0.06 acres of disturbed freshwater marsh (concrete-lined) and 0.06 acres of riparian scrub (disturbed southern willow scrub; concrete-lined). Contact information and details regarding the mitigation site/credits will be provided to the San Diego RWQCB. It should be noted that since the San Diego RWQCB has required mitigation for "permanent impacts" of the project, the City requests that the San Diego RWQCB provide written acknowledgment that the required mitigation is adequate to mitigate any future maintenance of this channel that results in similar loss of functions (i.e., vegetation and sediment removal within the same maintenance footprint).	

Fill and Excavation Discharges: For each water body type listed below indicate in ACRES the area of the discharge to waters of the state, and identify the impact(s) as permanent and/or temporary. For linear discharges to drainage features and shorelines, e.g., bank stabilization, revetment, and channelization projects, ALSO specify the length of the proposed discharge to waters of the state IN FEET. For dredging activity, indicate total amount of dredged material for the project in cubic yards under permanent impacts.

Water Body Type	Permanent Impact			Temporary Impact		
	Acres	Cubic Yards	Linear Feet	Acres	Cubic Yards	Linear Feet
Lake/Reservoir						
Ocean/Estuary/Bay						
Riparian Zone						
Stream Channel				1.23		2,216

Vernal Pool						
Wetland						

VI. CERTIFICATION

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

Signature of Discharger	Title: Assistant Deputy Directo
Printed or Typed Name: Gene Matter	Date: 2/11/16

JAMACHA CHANNEL
(MMP MAP 115)

ACOE RGP 63 Authorization
RWQCB 401 Certification Email (None)
RWQCB Attachment E

DEPARTMENT OF THE ARMY
LOS ANGELES DISTRICT, U.S. ARMY CORPS OF ENGINEERS
5900 LA PLACE COURT, SUITE 100
CARLSBAD, CALIFORNIA 92008

January 19, 2016

Mr. Gene Matter
City of San Diego
Storm Water Division
2781 Caminito Chollas, MS 44
San Diego, California 92105

DEPARTMENT OF THE ARMY REGIONAL GENERAL PERMIT NO. 63

Dear Mr. Matter:

I am responding to your request (SPL-2015-00944-RAG) for a Department of the Army permit for your proposed project, Jamacha Channel Maintenance. The project is located behind the residence at 6857 Jamacha Road, City of San Diego, San Diego County, California (Latitude 32.70991°N and Longitude -117.04999°W) (Figures 1-3).

Most of the proposed work was initiated and completed on January 10, 2016, following a Regional General Permit (RGP) No. 63 notification sent to the U.S. Army Corps of Engineers (Corps) on December 24, 2015. The work occurred west of 69th Street and extended 277 linear feet downstream to 68th Street. The staging and access areas were located along the south and north sides of the channel along established dirt easements. A hydraulic excavator was used to remove the sediment and vegetation and was stationed outside of the channel and outside of Corps jurisdictional limits. Once the material was removed it was loaded into dump trucks and taken to the Miramar Landfill for disposal.

Because this project would result in a discharge of dredged and/or fill material into waters of the United States a Department of the Army permit is required pursuant to Section 404 of the Clean Water Act (33 USC 1344; 33 CFR parts 323 and 330).

I have determined construction of your project complies with RGP No. 63 - Repair and Protection Activities in Emergency Situations. Specifically, and as shown in Figure 3, you are authorized to:

1. Permanently impact the earthen lined section of Jamacha channel by removing approximately 0.095 acre (277 linear feet) of sediment and vegetation, which includes 0.055 acre of wetland waters of the U.S.
2. Temporarily impact Jamacha Channel by placing fill consisting of a sand bag berm approximately 2 feet wide, 3 feet high, and 10 feet long in the channel during maintenance activities to prevent upstream flows from entering the work area. The sandbag berm is to be placed in the location depicted in Figure 4 – Sandbag Berm Placement.

For this RGP verification letter to be valid, you must comply with **all of the terms and conditions of RGP No. 63** - Repair and Protection Activities in Emergency Situations, available at http://www.spl.usace.army.mil/Missions/Regulatory/RegionalGeneralPermits.aspx. **Furthermore, you must comply with the following non-discretionary Special Conditions:**

1. The sandbag berm and all equipment shall be removed within one week of completed work.

2. All work shall be monitored by a qualified biologist and equipment removed from the site upon completion of the work.

3. As directed in RGP No. 63, any work authorized by this RGP must be the minimum necessary to alleviate the immediate emergency, unless complete reconstruction does not result in significantly increased impacts to aquatic resources and logistical concerns indicate such reconstruction is as expedient considering the condition of the project site and is limited to in-kind replacement or refurbishment.

4. The Permittee shall submit a mitigation proposal for impacts to waters of the U.S. according to Section VI of Regional General Permit Number 63. Specifically, impacts to wetland waters of the U.S.

5. As directed in RGP No. 63, you shall provide a written report to this office (within 45 days of completing the project) after completion of any action conducted under this RGP. **PROVIDING THIS REPORT IS MANDATORY**. At a minimum the Report shall include the following:
    a. The name, address, and telephone number of the applicant and the applicant's agent (if appropriate).
    b. Full description of the activity including:
        i. Description of the emergency and the potential for loss of life or property;
        ii. Purpose of the activity;
        iii. Final goal of the entire activity;
        iv. Location (e.g., latitude/longitude or UTM coordinates; section/township/range on appropriate USGS topographic map; Thomas Guide map, or other source to accurately portray project location);
        v. Size and description of project area (include maps or drawings showing the areal and lineal extent of the project, and pre- and post-construction photographs); and
        vi. Quantities of materials used.
    c. Information on receiving waterbody impacted including:
        i. Name of waterbody;
        ii. Type of receiving waterbody (e.g., river/streambed, lake/reservoir, ocean/estuary/bay, riparian area, wetland type, etc.);
        iii. Temporary/permanent adverse impact(s) in acres/cubic yards/linear feet;

iv. Compensatory mitigation in acres/cubic yards/linear feet; and
v. Other mitigation steps (to avoid, minimize, compensate).

d. Information on federally listed or proposed endangered species or designated or proposed critical habitat including:
i. Temporary/permanent adverse impacts;
ii. Compensatory mitigation; and
iii. Other mitigation steps (to avoid, minimize, compensate).

A general permit does not grant any property rights or exclusive privileges. Also, it does not authorize any injury to the property or rights of others or authorize interference with any existing or proposed Federal project. Furthermore, it does not obviate the need to obtain other Federal, State, or local authorizations required by law.

Thank you for participating in the regulatory program. If you have any questions, please contact Rose Galer at 760-602-4835 or via e-mail at Rose.A.Galer@usace.army.mil. Please help me to evaluate and improve the regulatory experience for others by completing the customer survey form at http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey.

Sincerely,

Richard J. Van Sant III
Acting Team Lead
South Coast Branch

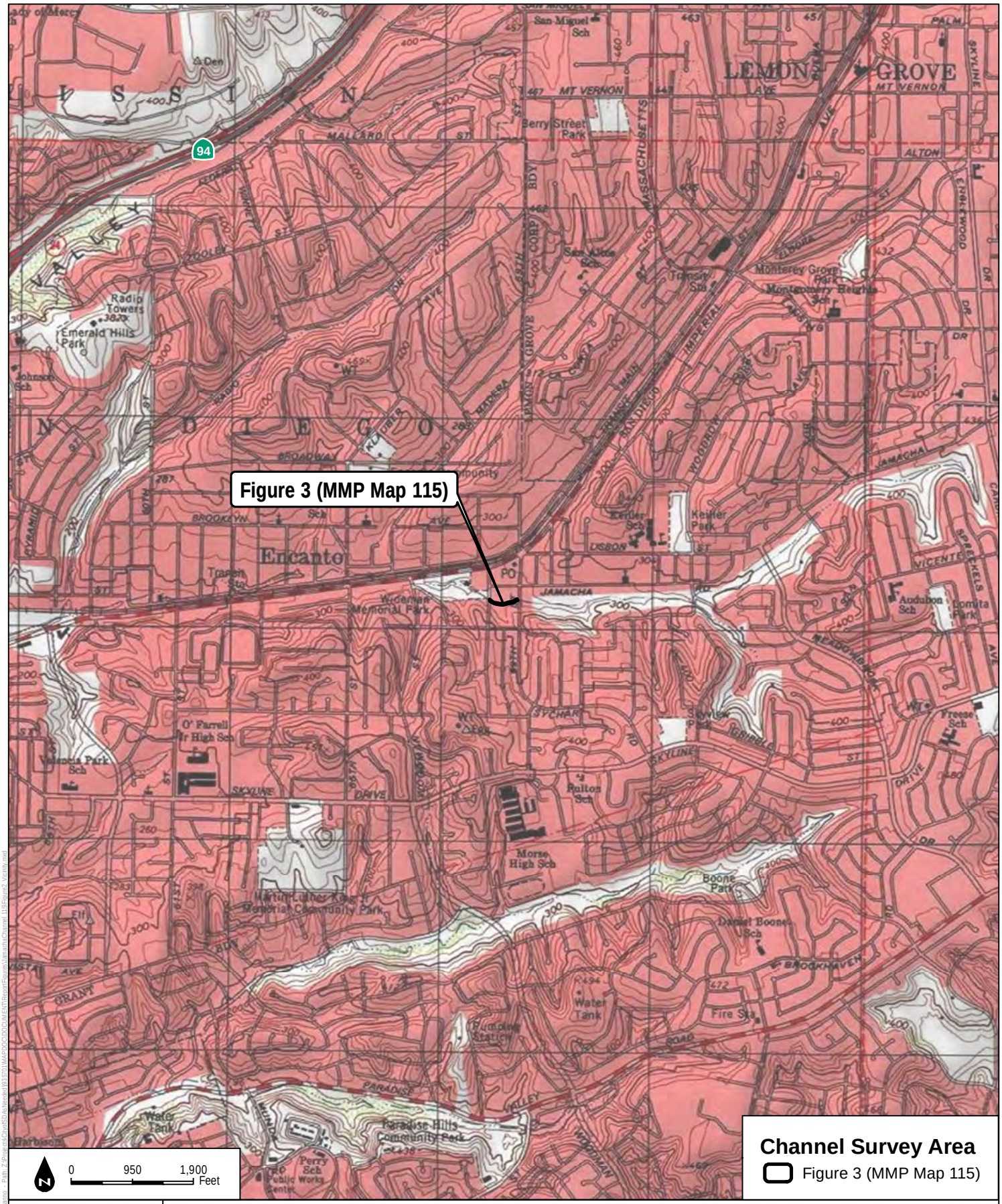
Enclosures

DUDEK

FIGURE 1

Regional Map

Jamacha Channel (MMP Map 115) - Emergency Channel Maintenance



SOURCE: USGS 7.5-Minute Series - National City Quadrangle.

FIGURE 2

Vicinity Map

DUDEK

Jamacha Channel (MMP Map 115) - Emergency Channel Maintenance

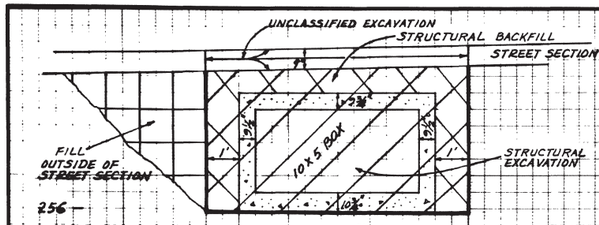
SOURCE: SANDAG Imagery 2015; Helix 2015; City of San Diego 2015

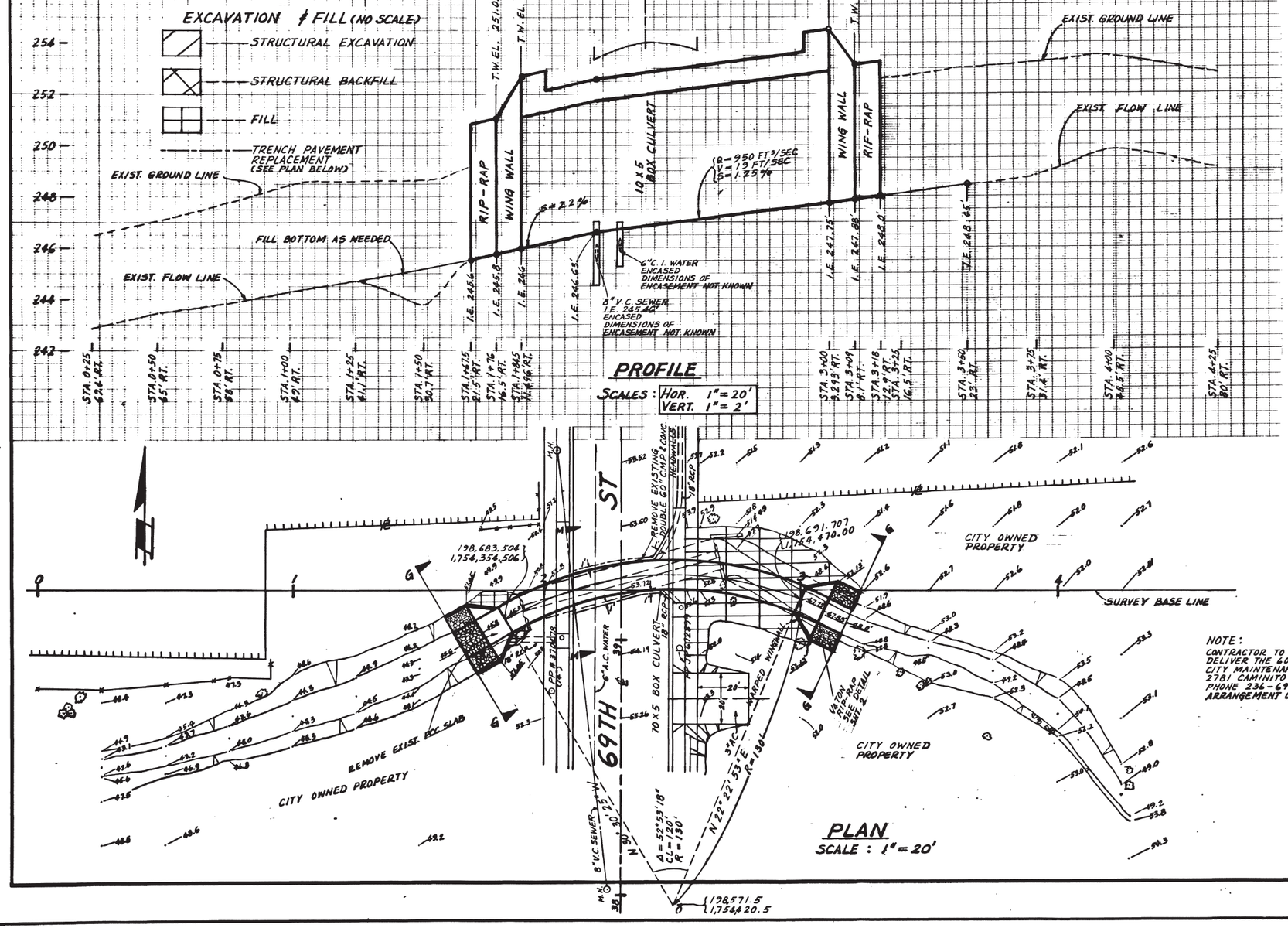
DUDEK

MMP Map 115; Figure 3

Biological Resources and Impacts

Jamacha Channel (MMP Map 115) - Emergency Channel Maintenance





PROFILE

SCALES: HOR. 1" = 20'
VERT. 1" = 2'

PLAN

SCALE : 1" = 20'

NOTE:
CONTRACTOR TO SALVAGE AND DELIVER THE 60" CMP TO THE CITY MAINTENANCE YARD 2781 CAMINITO CHOLLAS PHONE 236-6999 FOR ARRANGEMENT OF DELIVERY.

WORK TO BE DONE

THE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS AND THE FOLLOWING SPECIFICATIONS AND STANDARD DRAWINGS.

SPECIFICATIONS

STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK), 1982 EDITION,
CITY OF SAN DIEGO STANDARD PROVISIONS, DOCUMENT NO. 768688 FILED MAY 5, 1983.
STANDARD SPECIAL PROVISIONS - 1982 EDITION (REGIONAL STANDARD SPECIAL PROVISIONS),
SAN DIEGO AREA REGIONAL STANDARD DRAWINGS, (1982 EDITION) AND
CITY OF SAN DIEGO STANDARD DRAWINGS, DOC. NO. 768710, FILED JUNE 22, 1983.
WORK AREA TRAFFIC CONTROL - 1977 EDITION, DOC. NO. 757526 FILED JAN. 21, 1980.

BENCH MARK

NEBP AT 69 TH. & JAMACHA ELEVATION 253.371 M.S.L.
(NOTE: CURRENT CITY BENCH BOOK SHOWS 253.241 M.S.L.)

FIELD NOTES

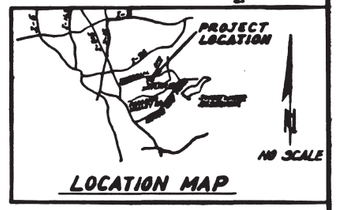
BURRIS 198-1752 7-13-82 W.O. 118187

REFERENCE DRWGS.

1208-D, 5201-W, 5851-W, 5222-D, 5223-D, 5224-D, 10036-11-D, 10298-1-D, 10298-2-D, 10298-3-D, 11271-L, 15190-9-D, 15190-10-D, 18777-D, 6182-W.

IMPROVEMENTS	STD. DRWG.
10x5 BOX CULVERT	D-76
WARPED WINGWALL, CUT-OFF WALL & CONC. APRON	D-80.1
1/4 TON RIP-RAP	
18" R.C.P.	
13' TYPE B-1 INLET	D-2.1, D-11
3½" PCC SIDEWALK	G-7.1
6" TYPE G CURB & GUTTER	G-2
FINISHED ELEVATION	
EXISTING GROUND ELEVATION	
AC PAVEMENT ON 68TH ST	
20' CONC. DRIVEWAY	G-14.1

LEGEND



LOCATION MAP

CITY CONTRACT SPECIFICATION NO. 5291

IMPROVEMENTS OF 69TH ST. CULVERTS SOUTH OF JAMACHA RD

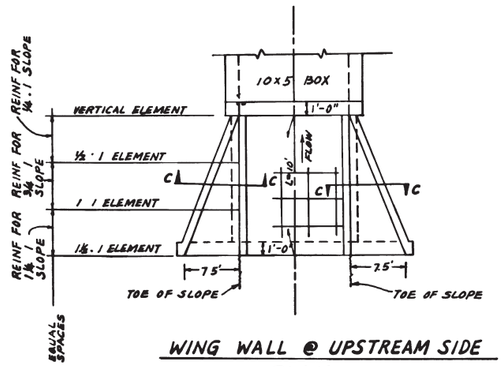
CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 1 OF 5 SHEETS

W.O. 118187
M.S. 198-1753
21431-1-D

DESCRIPTION	BY	APPROVED	DATE	PLANS
ORIGINAL	C.L.			
AS-BUILT	J.K.			

CONTRACTOR DYNO CORP. DATE STARTED 7-7-82
INSPECTOR J. QUENCA DATE COMPLETED 9-24-82

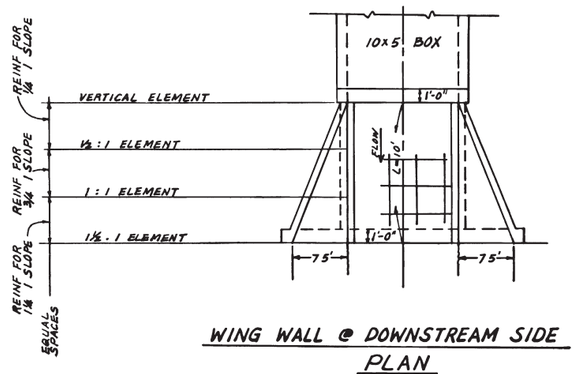
AS-BUILT



WING WALL @ UPSTREAM SIDE

PLAN

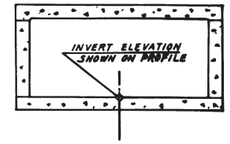
NO SCALE



WING WALL @ DOWNSTREAM SIDE

PLAN

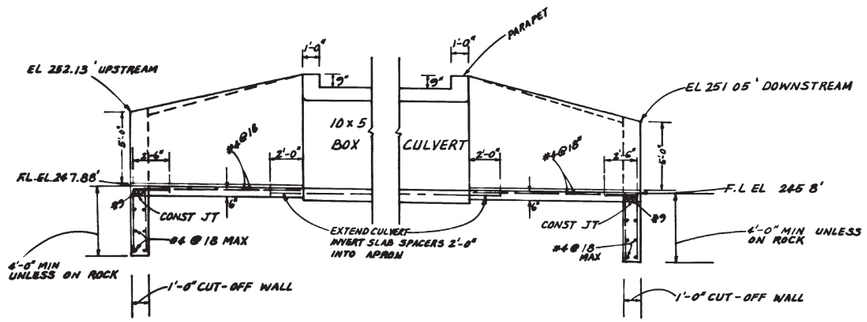
NO SCALE



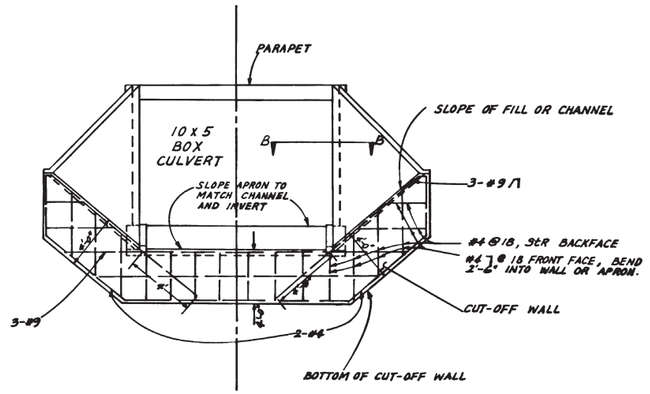
FLAT INVERT

10X5 BOX CULVERT (NO SCALE)

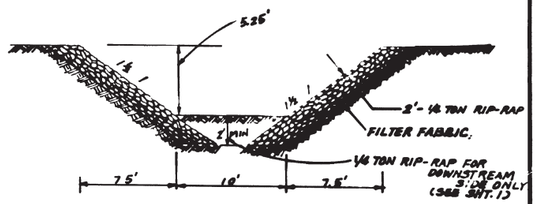
(FOR STEEL REINFORCEMENTS, SEE CITY STANDARD DRAWING D-76.)



PART LONGITUDINAL SECTION (NO SCALE)



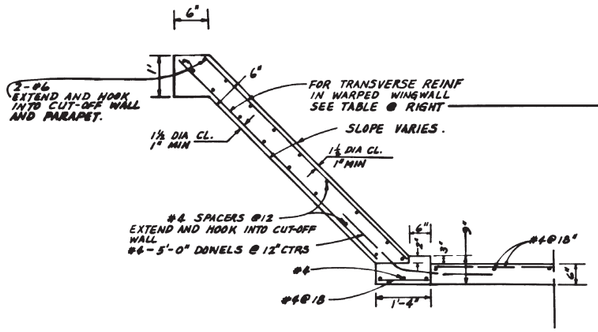
END ELEVATION (NO SCALE)



TYPICAL SECTION G-G (NO SCALE)

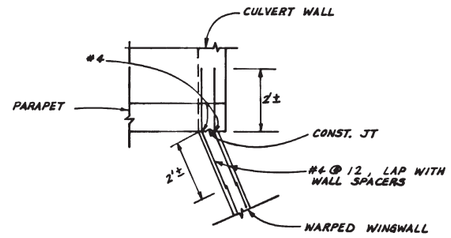
(SEE SHT. 1)

NOTE: FOR STEEL REINFORCEMENTS, SEE ALSO CITY STANDARD DRAWING D-76, D-80.1 FOR ALL DETAILS.



WARPED WINGWALL		
ELEMENT SLOPE		
1/2 : 1	FRONT FACE REINF	#4 @ 12"
	REAR FACE REINF	#4 @ 12"
3/4 : 1	FRONT FACE REINF	#4 @ 12"
	REAR FACE REINF	#4 @ 12"
1 1/4 : 1	FRONT FACE REINF	#4 @ 12"
	REAR FACE REINF.	#4 @ 8"

SECTION C-C (NO SCALE)



SECTION B-B (NO SCALE)

IMPROVEMENTS OF 69TH ST CULVERTS SOUTH OF JAMACHA RD

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 2 OF 5 SHEETS

W.O. NO. 118187

8/8/86

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	C.L.			09 16 '86
AS-BUILT	J.K.	02 8/6/86		09 18 '86

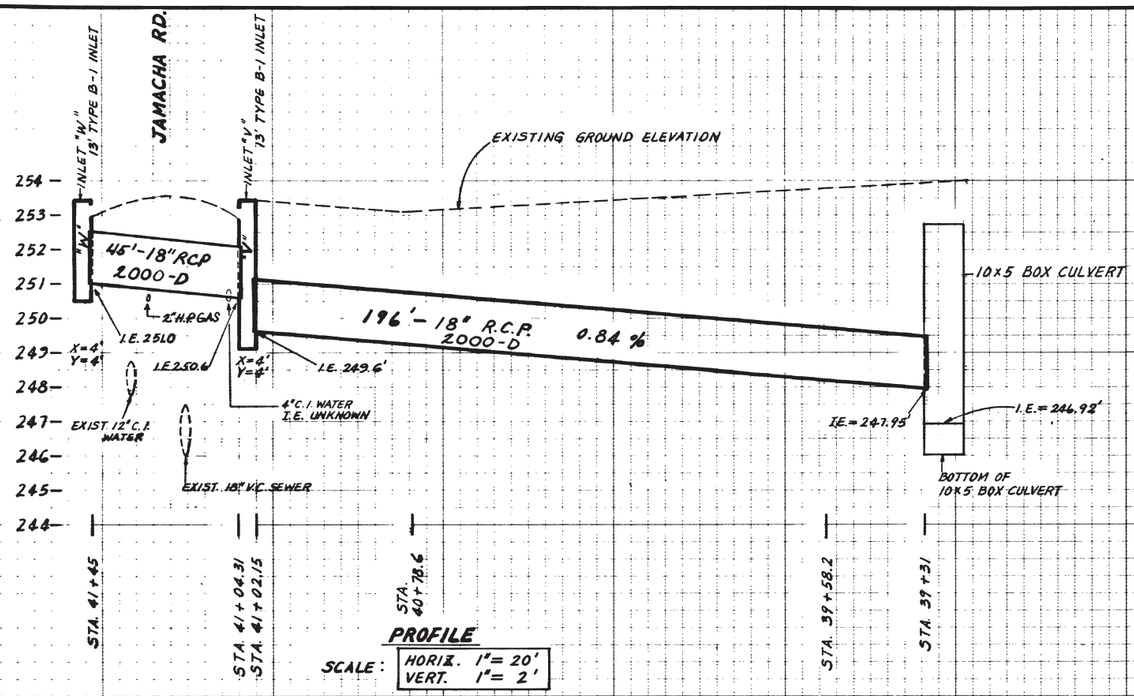
CONTRACTOR DYNO CONST. DATE STARTED 1-2-86
INSPECTOR J. QUENGA DATE COMPLETED 4-24-86

4/25/86

198-1752

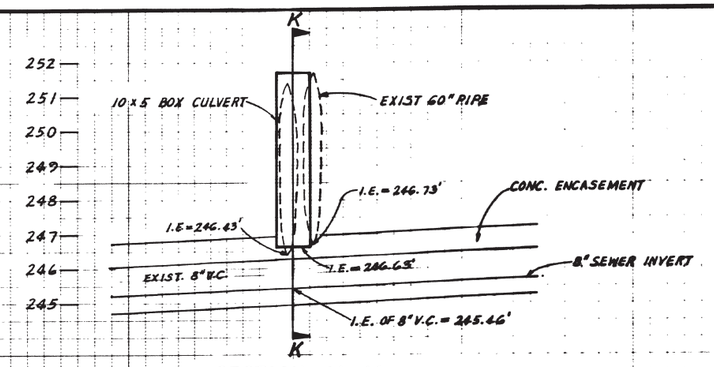
2431-2-D

AS-BUILT



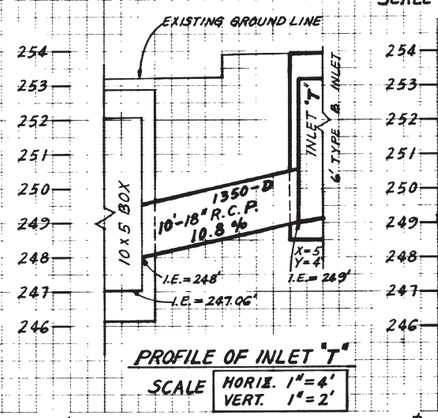
PROFILE

SCALE: HORIZ. 1"= 20'
VERT. 1"= 2'



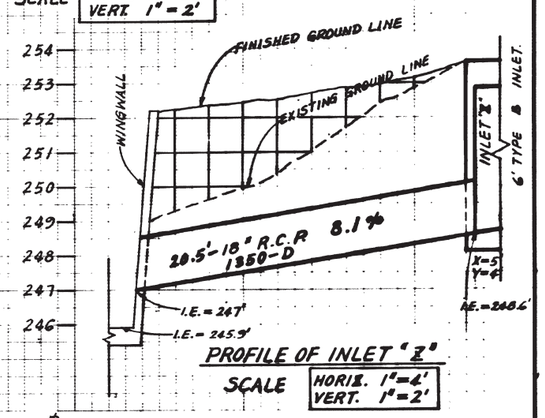
SECTION M-M (SEE SH. 1)

SCALE HORIZ. 1"= 20'
VERT. 1"= 2'



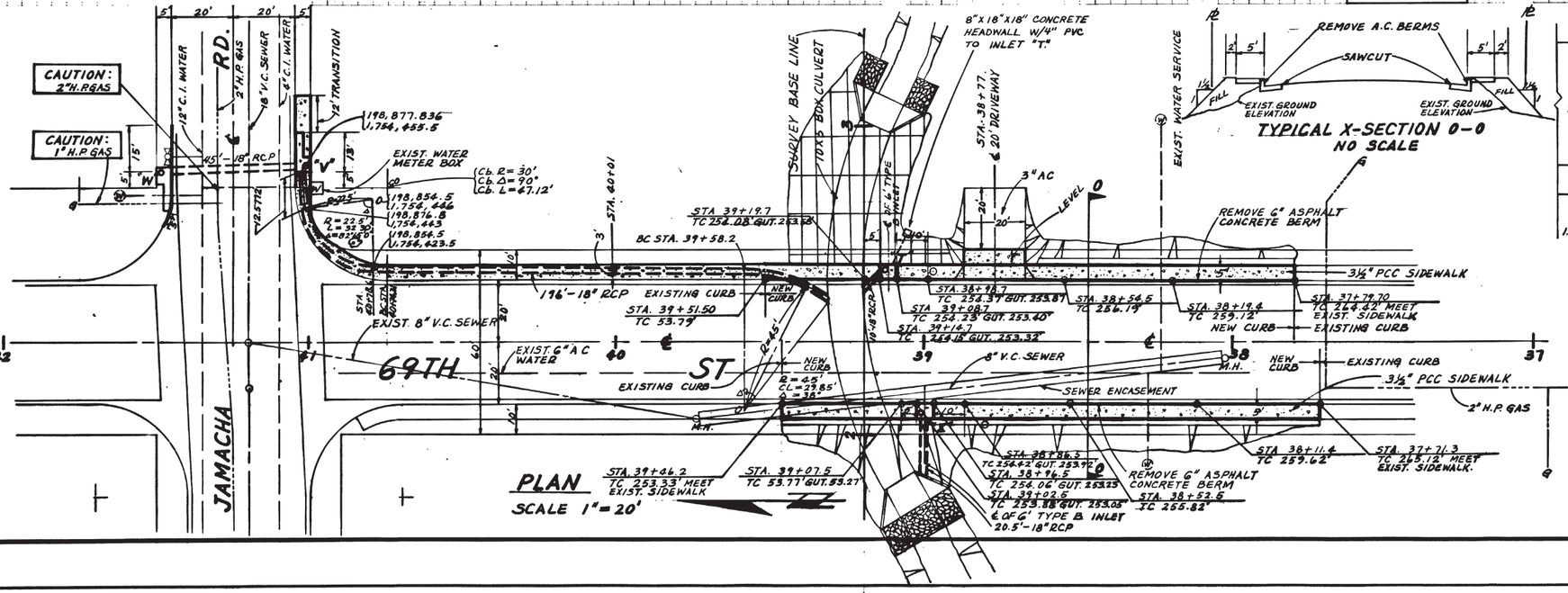
PROFILE OF INLET "T"

SCALE HORIZ. 1"=4'
VERT. 1"=2'



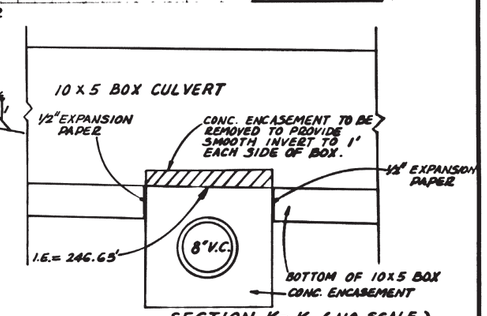
PROFILE OF INLET "Z"

SCALE HORIZ. 1"=4'
VERT. 1"=2'



PLAN

SCALE 1"= 20'



TYPICAL X-SECTION O-O
NO SCALE

SECTION K-K (NO SCALE)

IMPROVEMENTS OF 69TH ST CULVERTS SOUTH OF JAMACHA RD

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 3 OF 5 SHEETS

W.O. NO. 118187

5/8/86
ASST. CITY ENGINEER — DATE

Calvin Chang 5/4/86
SECTION 2 — ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	C.L.			
AS-BUILT	K.K.	DRG 10/25/85		

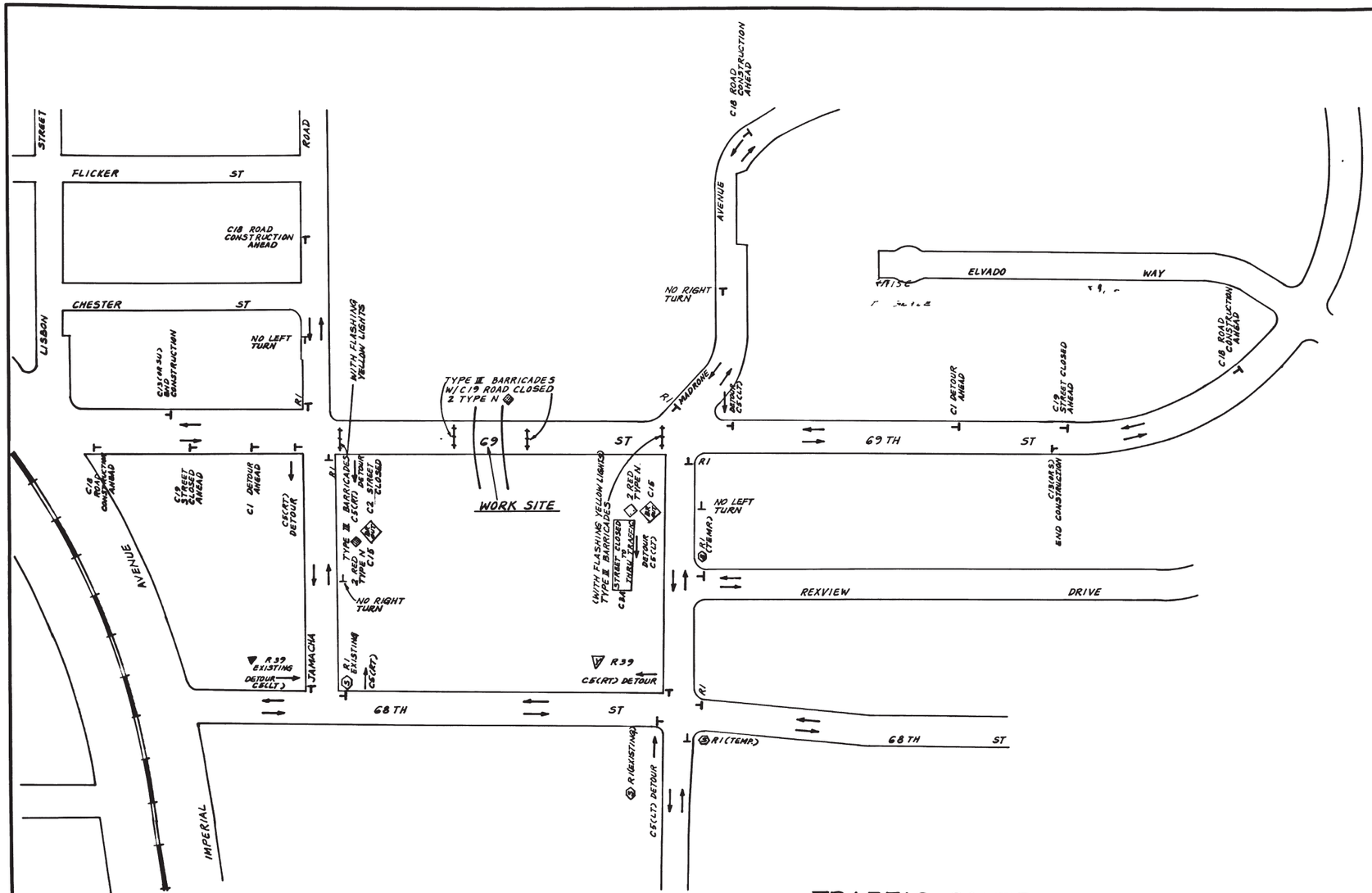
4-26-86
CONSTR. ENGINEER

198-1752
LAMBERT COORDINATES

CONTRACTOR: DYNO CORP — DATE STARTED: 1-7-86
INSPECTOR: V. QUEMA — DATE COMPLETED: 4-26-86

2431-3-D

AS-BUILT



TRAFFIC REQUIREMENTS

1 Contractor agrees that he shall assume sole and complete responsibility for the job site, detour and traffic signing during the course of the construction of this project including safety of all persons and property, that this requirement shall apply continually and not be limited to normal working hours, and that the contractor shall defend, indemnify, and hold the owner and the engineer harmless from any and all liability, real or alleged, in the connection arising from sole negligence of the owner or engineer

2 The Contractor shall erect signs one week in advance of closing the street to warn the public that 69th Street will be closed for a period of time

3 The Contractor shall maintain a safe passage across, through or around the construction work for pedestrians at all times

4 The Contractor shall use signs, delineators, barricades, etc , per the requirements in the State of California, Department of Transportation (Caltrans) "Manual of Traffic Controls - Warning Signs, Lights and Devices for Use In Performance of Work Upon Highways " Reflectorized delineators shall conform to the requirements of the Caltrans Standard Specifications, January 1981, Section 12-3 03 and 12-3.04

5 Contractor shall maintain ingress/egress to all residents during construction

6 The Contractor shall maintain one lane in each direction on all streets of the detour route at all times Any deviation to these requirements shall be submitted to the Engineer for approval of the Traffic Engineer prior to any changes in detour

7 The cost of installing, maintaining and removal of the traffic control of the detour for this project shall include all material, labor and equipment necessary to install at the contract lump sum bid price with no further payment for traffic control that may be needed during the contract

TRAFFIC CONTROL PLAN

SCALE : 1"= 100'

IMPROVEMENTS OF 69TH ST CULVERTS SOUTH OF JAMACHA RD

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 6 OF 5 SHEETS

W.O. NO 118187

FOR CITY ENGINEER — DATE 11-4-82

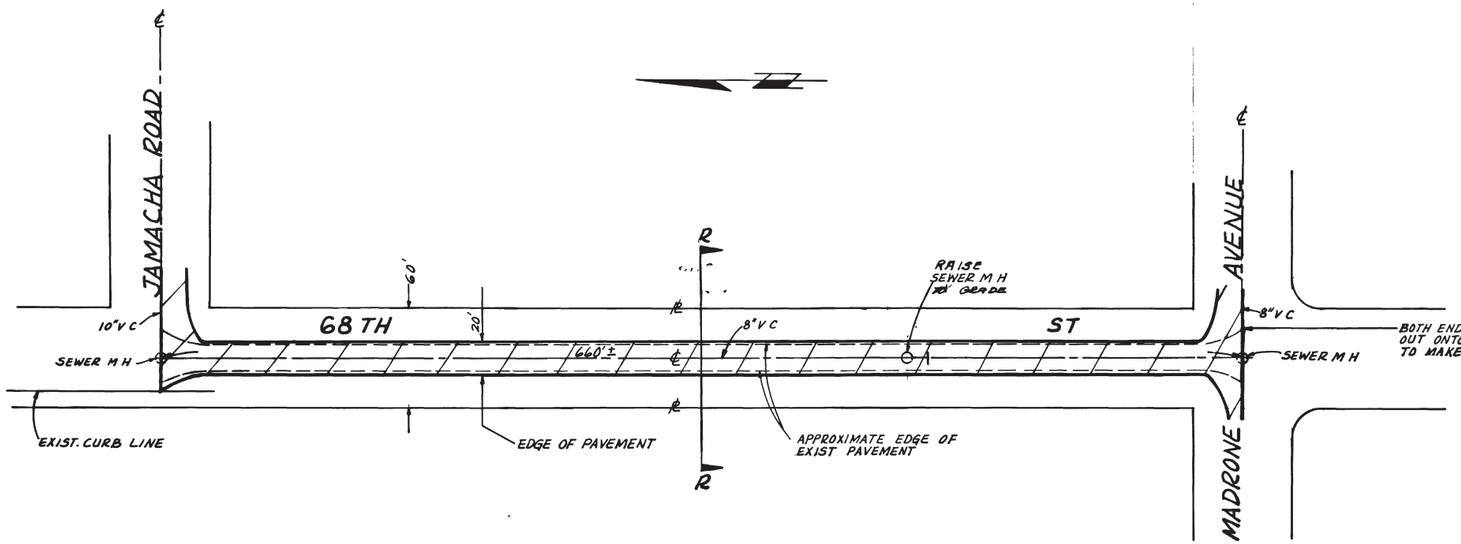
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	C L			BY
AS-BUILT	J K			BY

CONTROL IDENTIFICATION 198-1752

CONTRACTOR DYKO CORP DATE STARTED 1-7-83
INSPECTOR J. QUENCA DATE COMPLETED 4-26-83

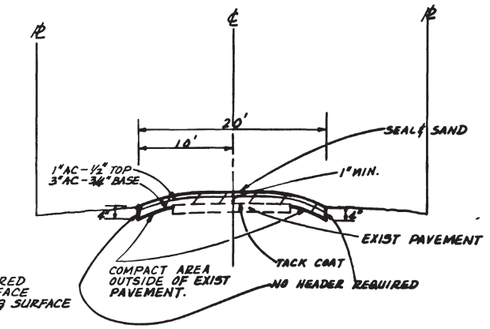
21481-4-D

AS-BUILT



PLAN

SCALE 1" = 40'



TYPICAL X-SECTION R-R
NO SCALE

NOTE: ADJUST ALL SEWER MAN HOLES TO GRADE.

IMPROVEMENTS OF 69TH ST CULVERTS SOUTH OF JAMACHA RD

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 5 OF 6 SHEETS

W.O. NO. 118187

FOR CITY ENGINEER — DATE 3/8/68

SECTION HEAD — DATE 3/8/68

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	C.L.			
AS-BUILT	J.K.	12-6-85		

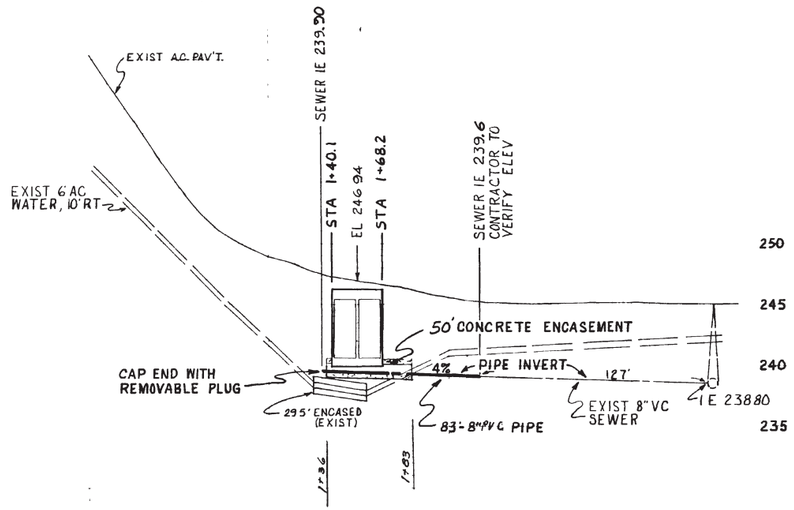
CONTROL CERTIFICATION

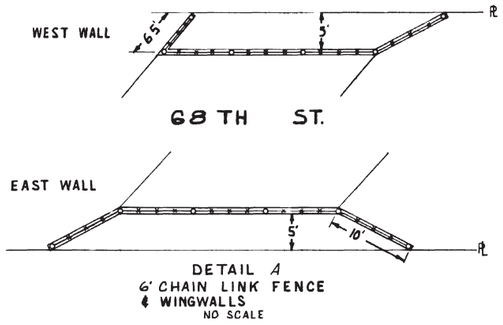
198-1782
LAMBERT COORDINATE

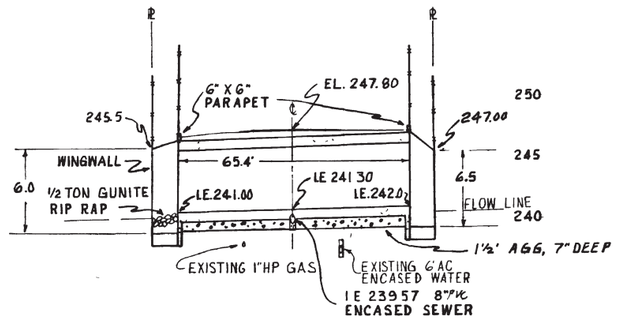
CONTRACTOR DYNO CONST. — DATE STARTED 1-2-68
INSPECTOR J. QUEZADA — DATE COMPLETED 4-26-68

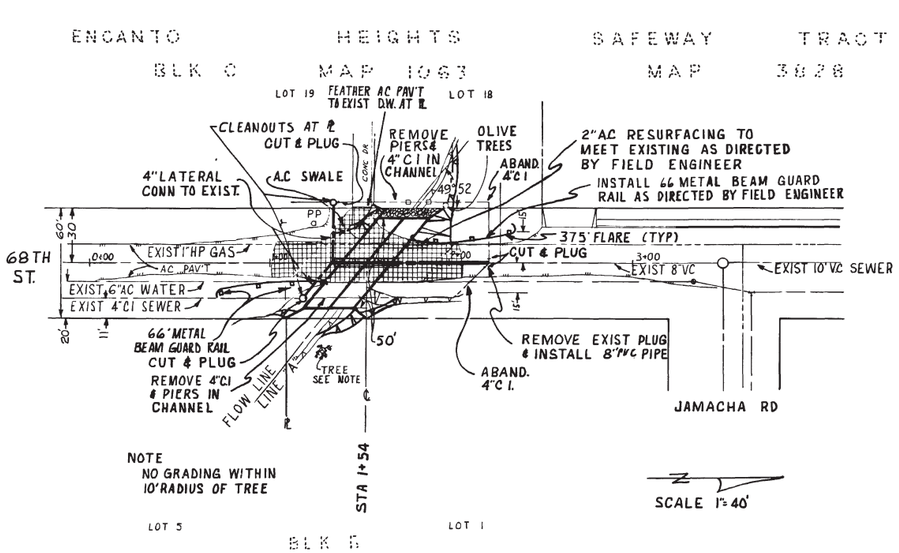
21431-5-D

AS-BUILT





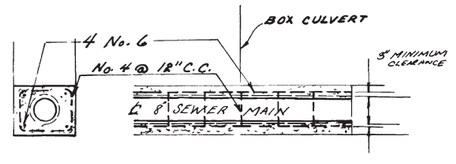




SCALE 1"=40'

PROFILE LINE "A"
STA 1+54
HORIZ 1"=20'
VERT 1"=6'

DETAIL "B" - REINFORCING STEEL IN SEWER LINE ENCASEMENT



BENCH MARK
SWBP 68 TH ST.
& IMPERIAL AVE
ELEV. 252 437 M.S.L

WORK TO BE DONE SCHEDULE

IMPROVEMENT	CITY OF SAN DIEGO STD DRAWING	LEGEND
DOUBLE 5'x10' CLASS A BOX CULVERT	D-77	CLASS 560-B-3250
RIP RAP	D-40	CLASS ½ TON
WINGWALL	D-79	
6 CHAIN LINK FENCE	M-6	
PARAPET	D-81	
2" A C RESURFACING		
8" PVC SEWER PIPE	S-4	
CONCRETE ENCASEMENT	S-7	DETAIL "B" CLASS 4120-C-2000
4" LATERAL	S-13	
METAL BEAM GUARD RAIL	M-7, M-8	
CUTOFF WALL	D-72	

SPECIFICATION
STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, DOCUMENT NO 755163 FILED 5-10-76 STANDARD SPECIAL PROVISION NO. 758403 FILED 2-25-77 SPECIFICATION NO. 4432

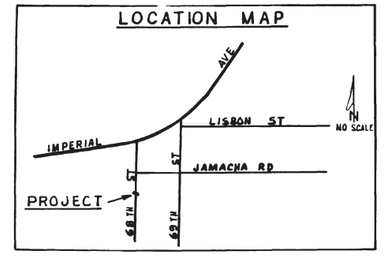
STANDARD DRAWINGS
CITY OF SAN DIEGO STANDARD DRAWINGS DOCUMENT NO. 758672 FILED 3-21-77

REFERENCE DRAWINGS
1208-D, 5435-D, 10298-2D, 7287-L & 6182-W

SURVEY NOTES
CHIEF SHOREY WO # 117613
INDEX 198-1752 DATE 1-11-78

TRAFFIC REQUIREMENTS
STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, DOCUMENT NO 755163, DATED MAY 10, 1976.
ROAD CLOSED

LOCATION MAP



C.I.P. 11-165

CITY CONTRACT

68 TH STREET CULVERT
200'± SOUTH OF JAMACHA RD.

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & DEVELOPMENT DEPT
SHEET 1 OF 1 SHEETS
WO NO 117613

DEPUTY CHIEF ENGINEER — DATE 8-30-79 — PROJECT ENGINEER

APPROVALS

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	B.M.			
AS BUILT	B.M.			

CONTROL CERTIFICATION
198-1753
LAMBERT COORDINATES

CONTRACTOR M. STEINMAN — DATE STARTED 3-19-79
INSPECTOR V. CRONK — DATE COMPLETED 6-19-79

17700-D

AS-BUILT

ATTACHMENT A

Jamacha Channel Emergency Maintenance, MMP Map 115

Photograph Log

Photograph 1: Looking upstream (east) toward the 69th St. culvert outlet at the east end of MMP Map 115; Figure 3. (December 11, 2015; 2:51pm)	**Photograph 2:** Looking west at the southern Access/Staging area adjacent to the east end of MMP Map 115; Figure 3. (November 23, 2015; 9:43am)

Photograph 3: Looking downstream from above the 69th St. culvert outlet at the channel and large stands of Arundo growing up in the east end of MMP Map 115; Figure 3. (December 11, 2015; 2:51pm)	**Photograph 4:** Looking downstream at the vegetated stream channel that has been constricted by sediment deposits and large stands of Arundo. (December 11, 2015; 2:52pm)

Photograph 5: Looking downstream at a clog blocking flows. The clog is caused by Arundo that has become matted down across the streambed near the center of the proposed emergency maintenance area (MMP Map 115; Figure 3).

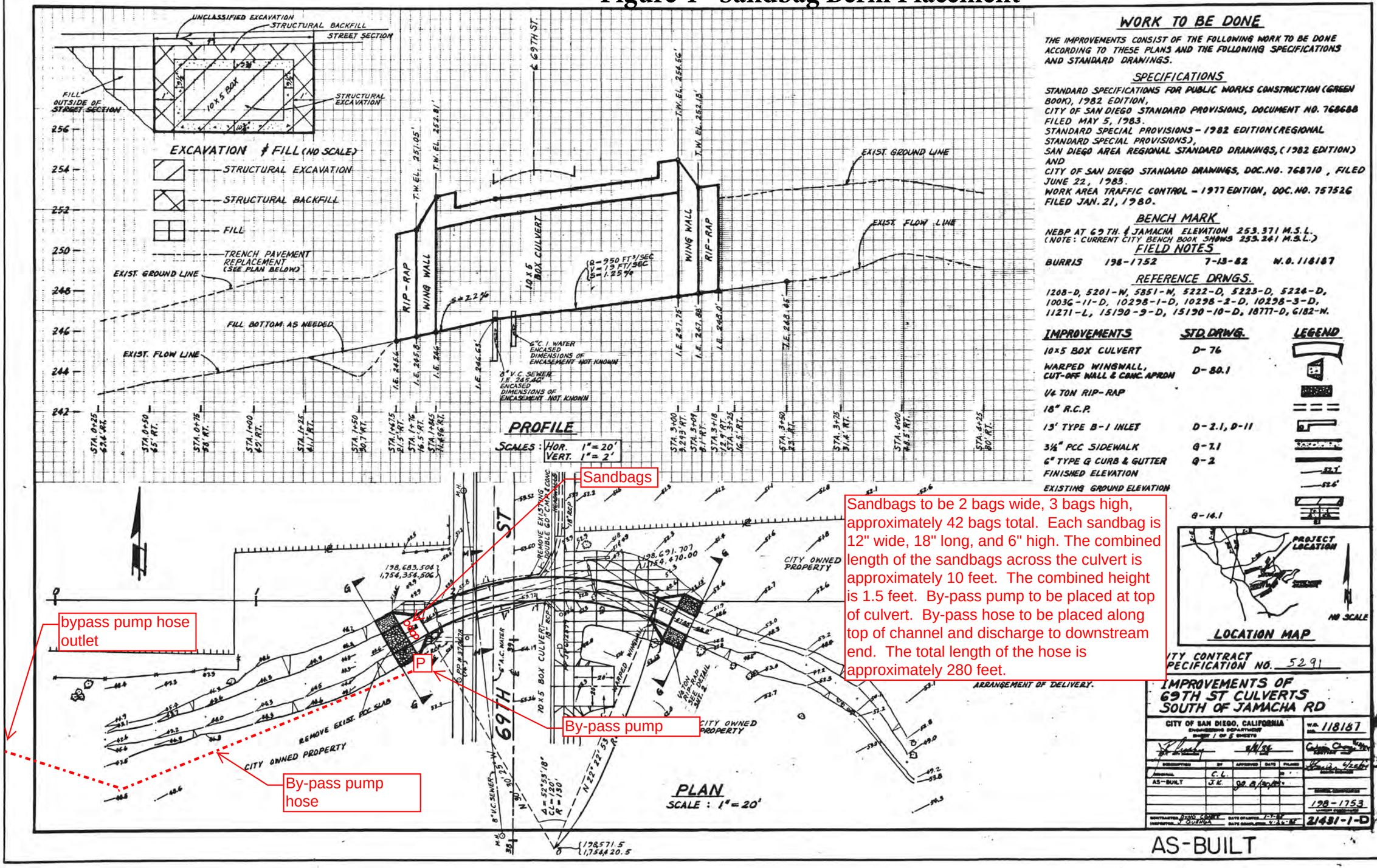
(December 11, 2015; 2:54pm)

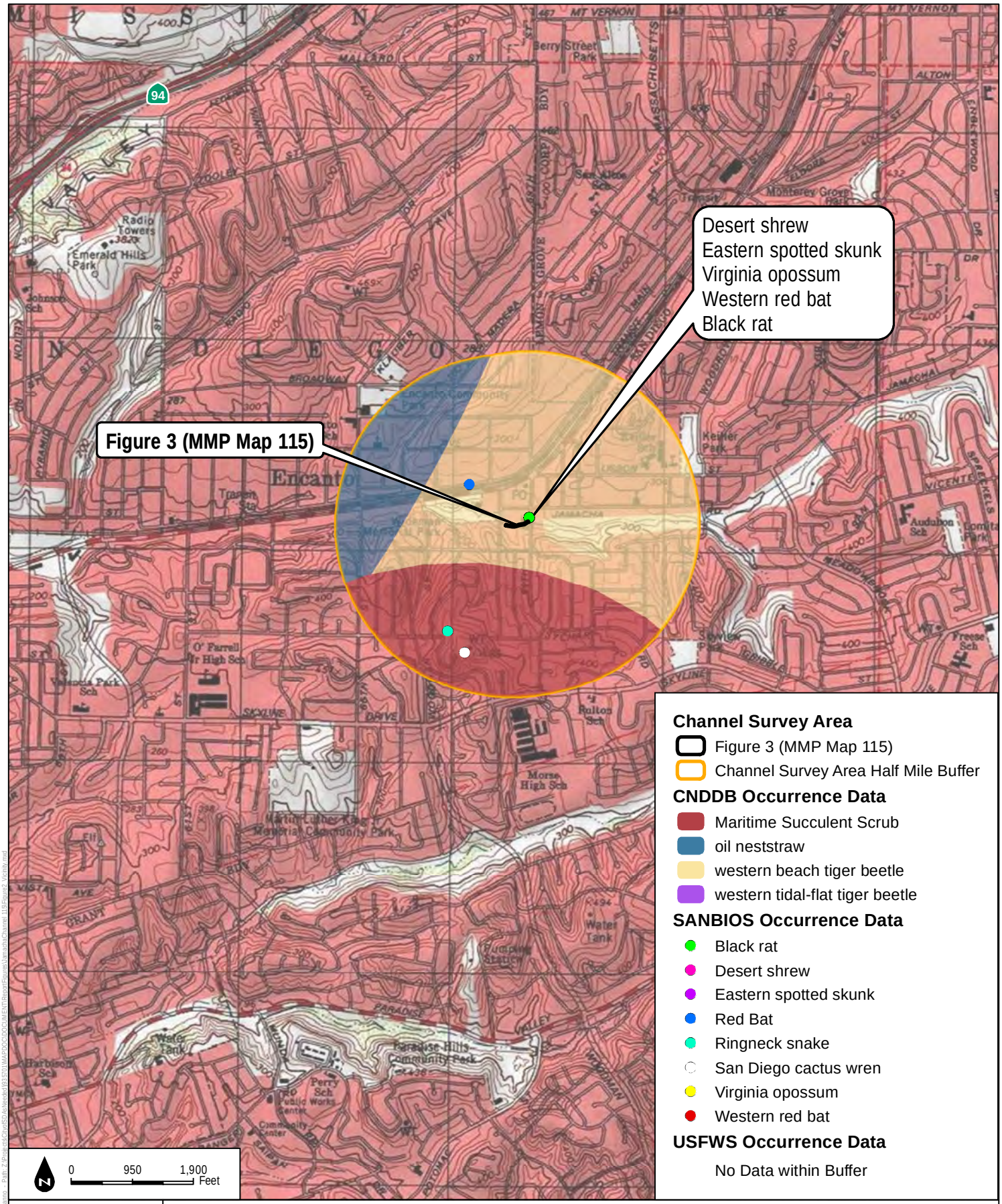
Photograph 6: Looking at water damage to a private residence (6857 Jamacha Rd.) as a result of prior flooding of the channel. The property owner has notified the City several times of prior flood damage.

(December 11, 2015; 3:14pm)

Photograph 7: Looking east upstream at the south side of the channel from the western end of the proposed emergency maintenance area within MMP Map 115; Figure 3.	**Photograph 8:** Looking west downstream toward 68th St. at the existing streambed and constriction from sediment that has been deposited on the north side of the channel.
(December 11, 2015; 2:54pm)	(December 11, 2015; 2:56pm)

Figure 4 - Sandbag Berm Placement





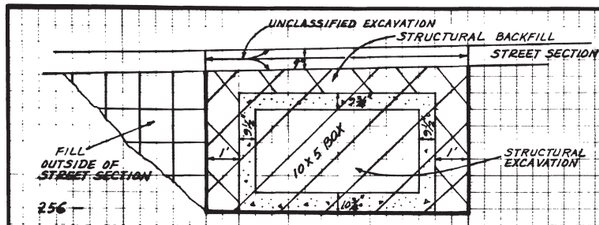
SOURCE: USGS 7.5-Minute Series - National City Quadrangle; CNDDB, 12/01/2015; SANBIOS, 03/20/2009; USFWS, 2015.

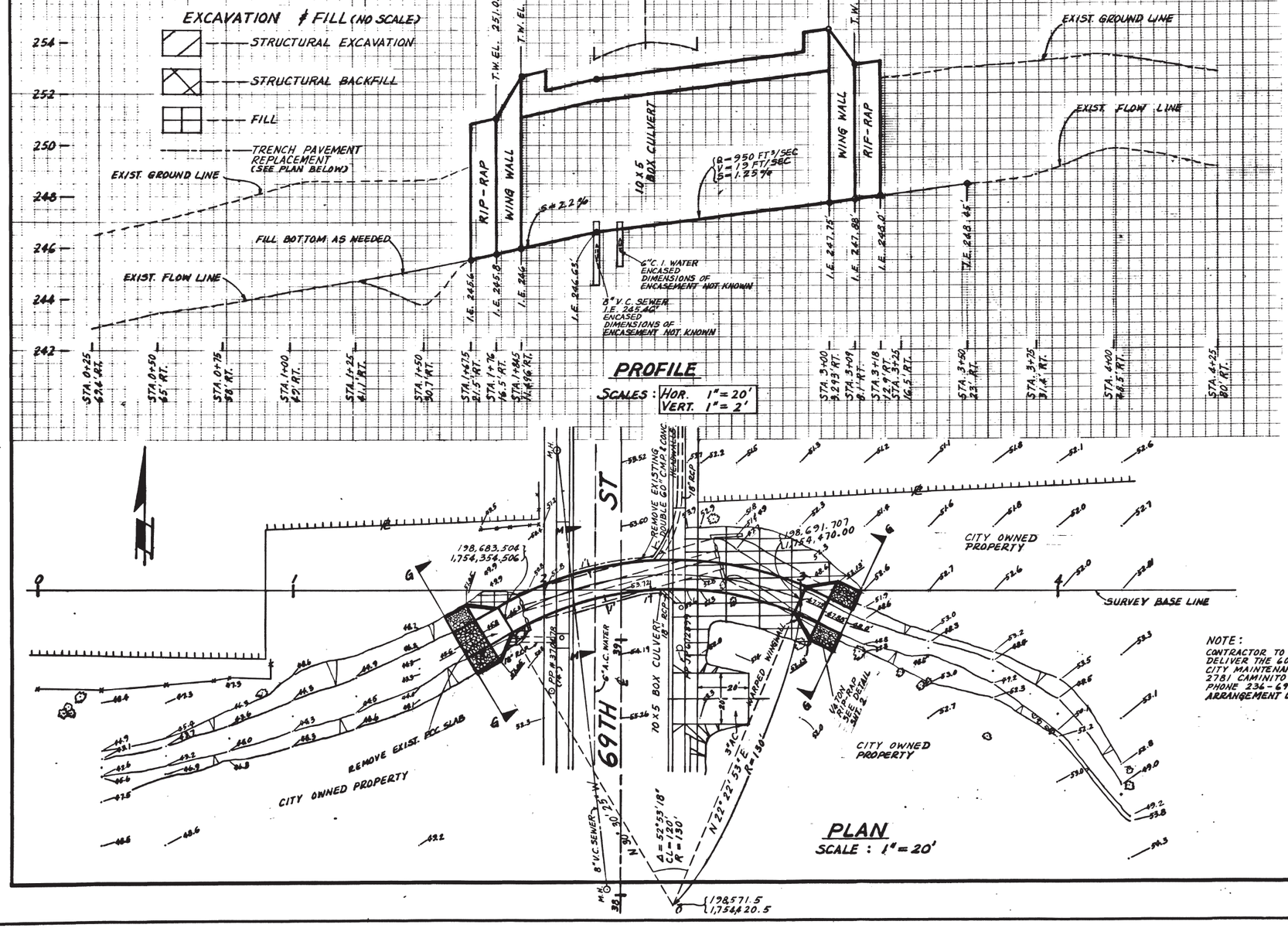
FIGURE 2

Vicinity Map

DUDEK

Jamacha Channel (MMP Map 115) - Emergency Channel Maintenance





PROFILE

SCALES: HOR. 1" = 20'
VERT. 1" = 2'

PLAN

SCALE : 1" = 20'

NOTE:
CONTRACTOR TO SALVAGE AND DELIVER THE 60" CMP TO THE CITY MAINTENANCE YARD 2781 CAMINITO CHOLLAS PHONE 236-6999 FOR ARRANGEMENT OF DELIVERY.

WORK TO BE DONE

THE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS AND THE FOLLOWING SPECIFICATIONS AND STANDARD DRAWINGS.

SPECIFICATIONS

STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK), 1982 EDITION,
CITY OF SAN DIEGO STANDARD PROVISIONS, DOCUMENT NO. 768688 FILED MAY 5, 1983.
STANDARD SPECIAL PROVISIONS - 1982 EDITION (REGIONAL STANDARD SPECIAL PROVISIONS),
SAN DIEGO AREA REGIONAL STANDARD DRAWINGS, (1982 EDITION) AND
CITY OF SAN DIEGO STANDARD DRAWINGS, DOC. NO. 768710, FILED JUNE 22, 1983.
WORK AREA TRAFFIC CONTROL - 1977 EDITION, DOC. NO. 757526 FILED JAN. 21, 1980.

BENCH MARK

NEBP AT 69 TH. & JAMACHA ELEVATION 253.371 M.S.L.
(NOTE: CURRENT CITY BENCH BOOK SHOWS 253.241 M.S.L.)

FIELD NOTES

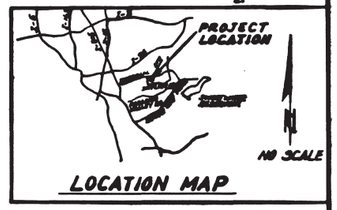
BURRIS 198-1752 7-13-82 W.O. 118187

REFERENCE DRWGS.

1208-D, 5201-W, 5851-W, 5222-D, 5223-D, 5224-D, 10036-11-D, 10298-1-D, 10298-2-D, 10298-3-D, 11271-L, 15190-9-D, 15190-10-D, 18777-D, 6182-W.

IMPROVEMENTS	STD. DRWG.
10x5 BOX CULVERT	D-76
WARPED WINGWALL, CUT-OFF WALL & CONC. APRON	D-80.1
1/4 TON RIP-RAP	
18" R.C.P.	
13' TYPE B-1 INLET	D-2.1, D-11
3½" PCC SIDEWALK	G-7.1
6" TYPE G CURB & GUTTER	G-2
FINISHED ELEVATION	
EXISTING GROUND ELEVATION	
AC PAVEMENT ON 68TH ST	
20' CONC. DRIVEWAY	G-14.1

LEGEND



LOCATION MAP

CITY CONTRACT SPECIFICATION NO. 5291

IMPROVEMENTS OF 69TH ST. CULVERTS SOUTH OF JAMACHA RD

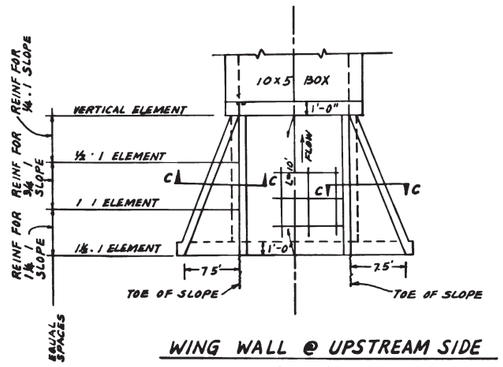
CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 1 OF 5 SHEETS

W.O. 118187
M.S. 198-1753
21431-1-D

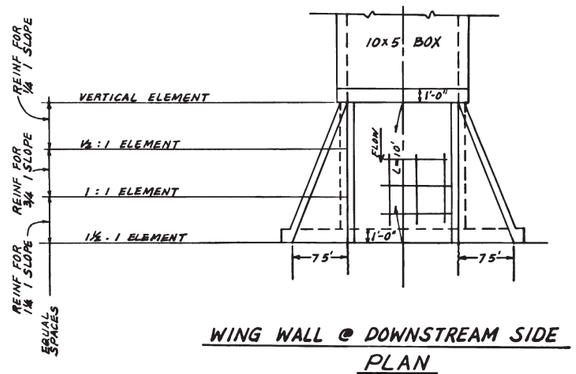
DESCRIPTION	BY	APPROVED	DATE	PLANS
ORIGINAL	C.L.			
AS-BUILT	J.K.			

CONTRACTOR DYNO CORP. DATE STARTED 7-7-82
INSPECTOR J. QUENCA DATE COMPLETED 9-24-82

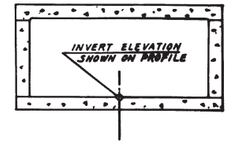
AS-BUILT



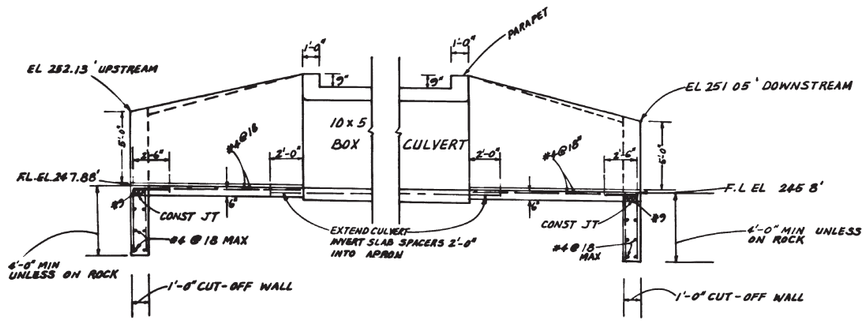
WING WALL @ UPSTREAM SIDE
PLAN
NO SCALE



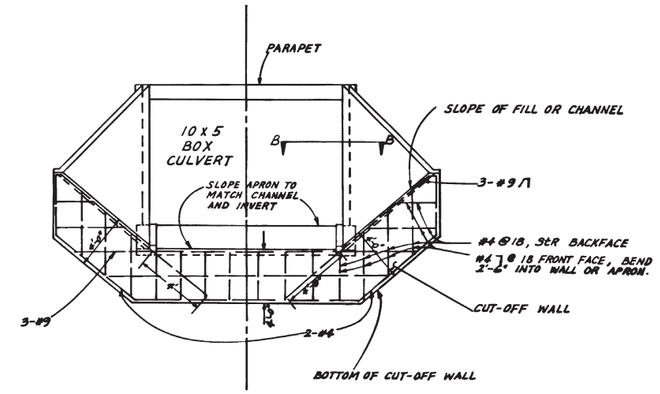
WING WALL @ DOWNSTREAM SIDE
PLAN
NO SCALE



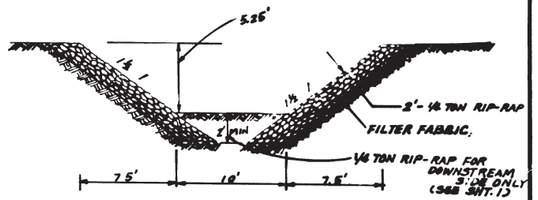
FLAT INVERT
10X5 BOX CULVERT (NO SCALE)
(FOR STEEL REINFORCEMENTS, SEE CITY STANDARD DRAWING D-76.)



PART LONGITUDINAL SECTION (NO SCALE)

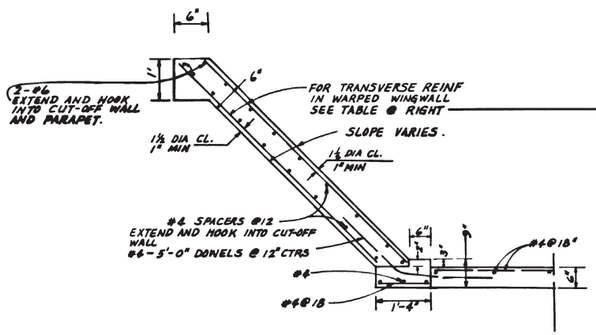


END ELEVATION (NO SCALE)



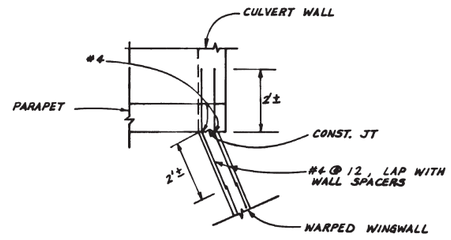
TYPICAL SECTION G-G (NO SCALE)
(SEE SHT. 1)

NOTE: FOR STEEL REINFORCEMENTS, SEE ALSO CITY STANDARD DRAWING D-76, D-80.1 FOR ALL DETAILS.



WARPED WINGWALL		
ELEMENT SLOPE		
1/2 : 1	FRONT FACE REINF	#4 @ 12"
	REAR FACE REINF	#4 @ 12"
3/4 : 1	FRONT FACE REINF	#4 @ 12"
	REAR FACE REINF	#4 @ 12"
1 1/4 : 1	FRONT FACE REINF	#4 @ 12"
	REAR FACE REINF.	#4 @ 8"

SECTION C-C (NO SCALE)



SECTION B-B (NO SCALE)

IMPROVEMENTS OF 69TH ST CULVERTS SOUTH OF JAMACHA RD

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 2 OF 5 SHEETS

W.O. NO. 118187

8/8/84

Calvin Chang 8/8/84
SECTION CHIEF

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	C.L.			09 16 '84
AS-BUILT	J.K.	[illegible]		09 18 '85

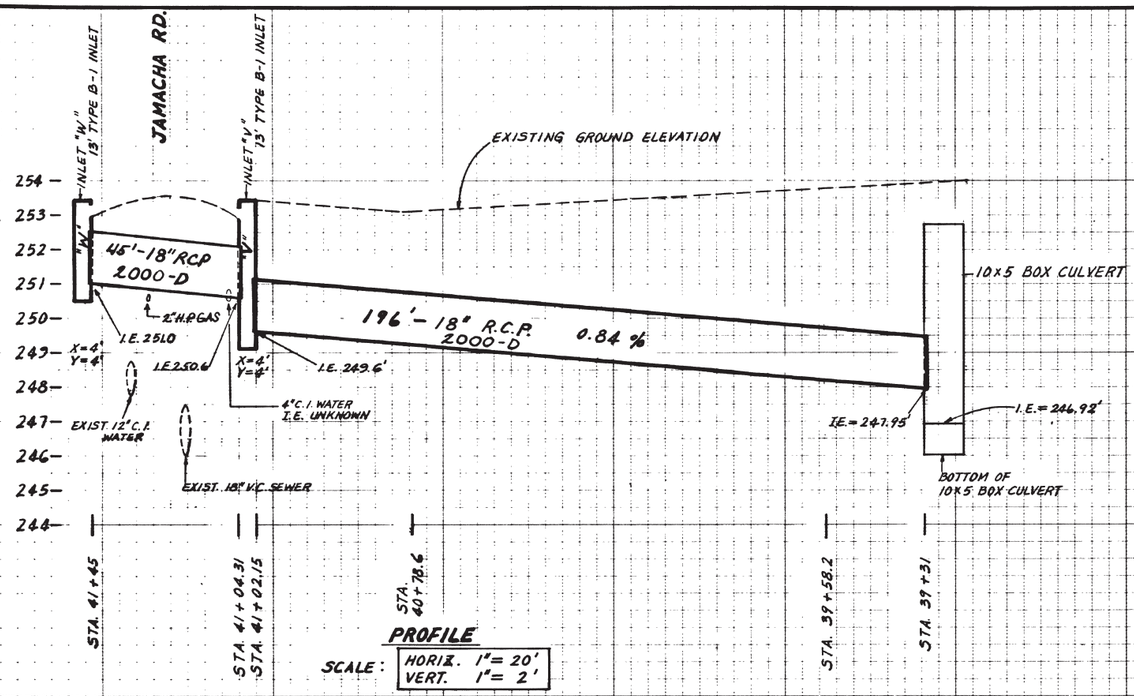
8/8/84
DESIGN ENGINEER

CONTROL COORDINATES
198-1752
LAMBERT COORDINATES

CONTRACTOR DYNO CONST. DATE STARTED 1-2-85
INSPECTOR J. QUINN DATE COMPLETED 4-26-85

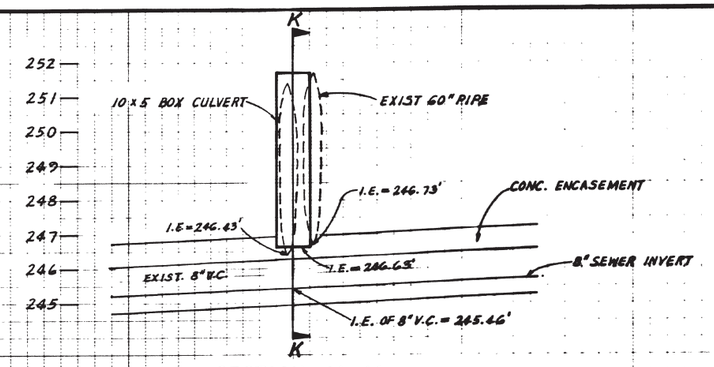
2431-2-D

AS-BUILT



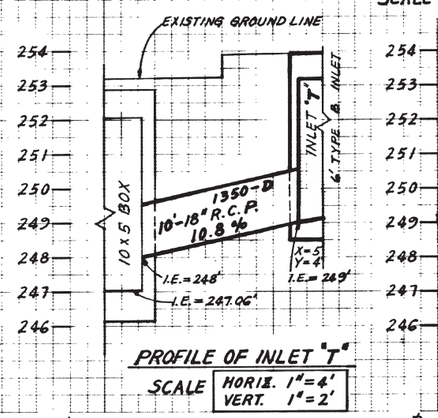
PROFILE

SCALE: HORIZ. 1"= 20'
VERT. 1"= 2'



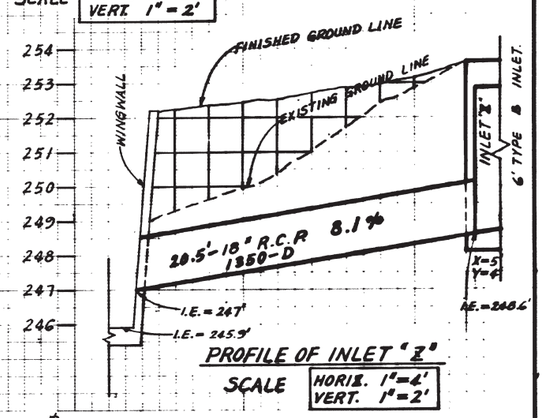
SECTION M-M (SEE SH. 1)

SCALE HORIZ. 1"= 20'
VERT. 1"= 2'



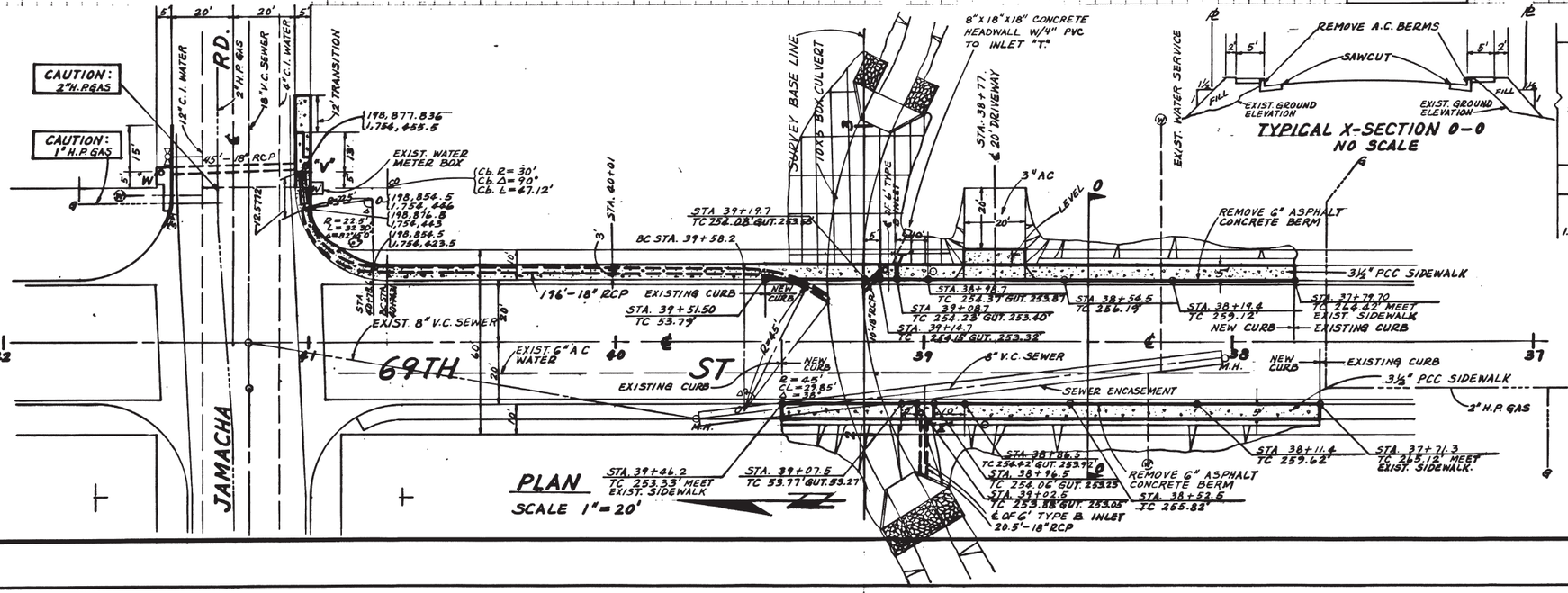
PROFILE OF INLET "T"

SCALE HORIZ. 1"=4'
VERT. 1"=2'



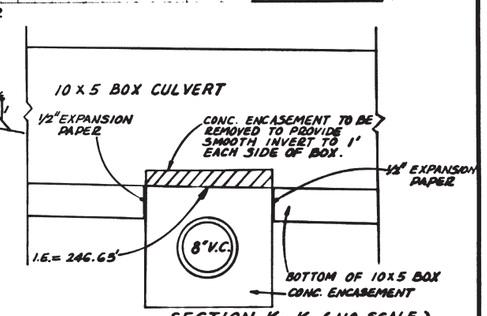
PROFILE OF INLET "Z"

SCALE HORIZ. 1"=4'
VERT. 1"=2'



PLAN

SCALE 1"= 20'



TYPICAL X-SECTION O-O
NO SCALE

SECTION K-K (NO SCALE)

IMPROVEMENTS OF 69TH ST CULVERTS SOUTH OF JAMACHA RD

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 3 OF 5 SHEETS

W.O. NO. 118187

5/8/86
ASST. CITY ENGINEER — DATE

Calvin Chang 5/4/86
SECTION 2 — ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	C.L.			
AS-BUILT	K.K.	DRG 10/25/85		

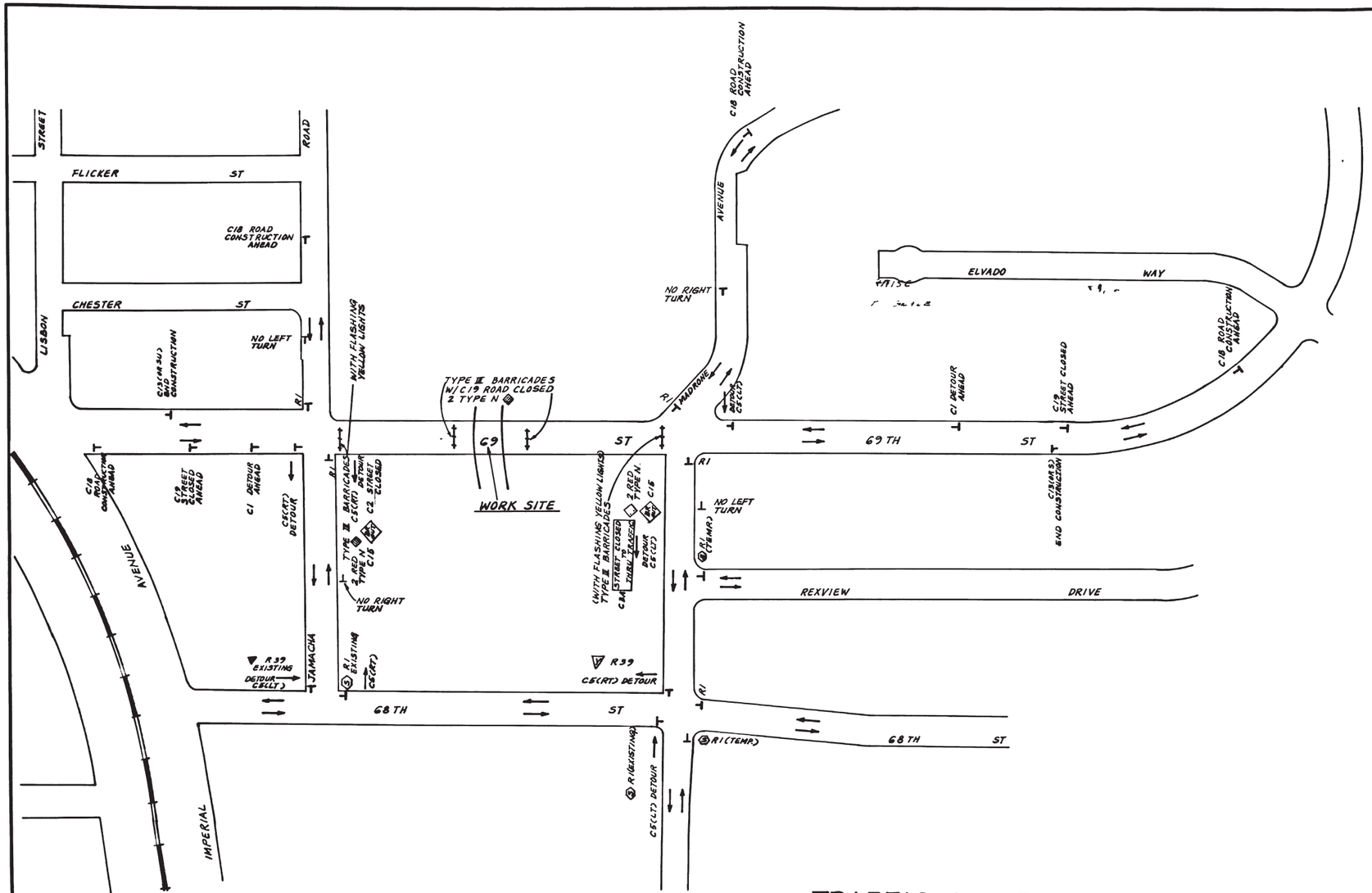
4-26-86
CONSTR. ENGINEER

198-1752
LAMBERT COORDINATES

CONTRACTOR: DYNO CORP — DATE STARTED: 1-7-86
INSPECTOR: V. QUEMA — DATE COMPLETED: 4-26-86

2431-3-D

AS-BUILT



TRAFFIC REQUIREMENTS

1 Contractor agrees that he shall assume sole and complete responsibility for the job site, detour and traffic signing during the course of the construction of this project including safety of all persons and property, that this requirement shall apply continually and not be limited to normal working hours, and that the contractor shall defend, indemnify, and hold the owner and the engineer harmless from any and all liability, real or alleged, in the connection arising from sole negligence of the owner or engineer

2 The Contractor shall erect signs one week in advance of closing the street to warn the public that 69th Street will be closed for a period of time

3 The Contractor shall maintain a safe passage across, through or around the construction work for pedestrians at all times

4 The Contractor shall use signs, delineators, barricades, etc , per the requirements in the State of California, Department of Transportation (Caltrans) "Manual of Traffic Controls - Warning Signs, Lights and Devices for Use In Performance of Work Upon Highways " Reflectorized delineators shall conform to the requirements of the Caltrans Standard Specifications, January 1981, Section 12-3 03 and 12-3.04

5 Contractor shall maintain ingress/egress to all residents during construction

6 The Contractor shall maintain one lane in each direction on all streets of the detour route at all times Any deviation to these requirements shall be submitted to the Engineer for approval of the Traffic Engineer prior to any changes in detour

7 The cost of installing, maintaining and removal of the traffic control of the detour for this project shall include all material, labor and equipment necessary to install at the contract lump sum bid price with no further payment for traffic control that may be needed during the contract

TRAFFIC CONTROL PLAN

SCALE : 1"= 100'

IMPROVEMENTS OF 69TH ST CULVERTS SOUTH OF JAMACHA RD

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 6 OF 5 SHEETS

W.O. NO 118187

FOR CITY ENGINEER — DATE 11-4-82

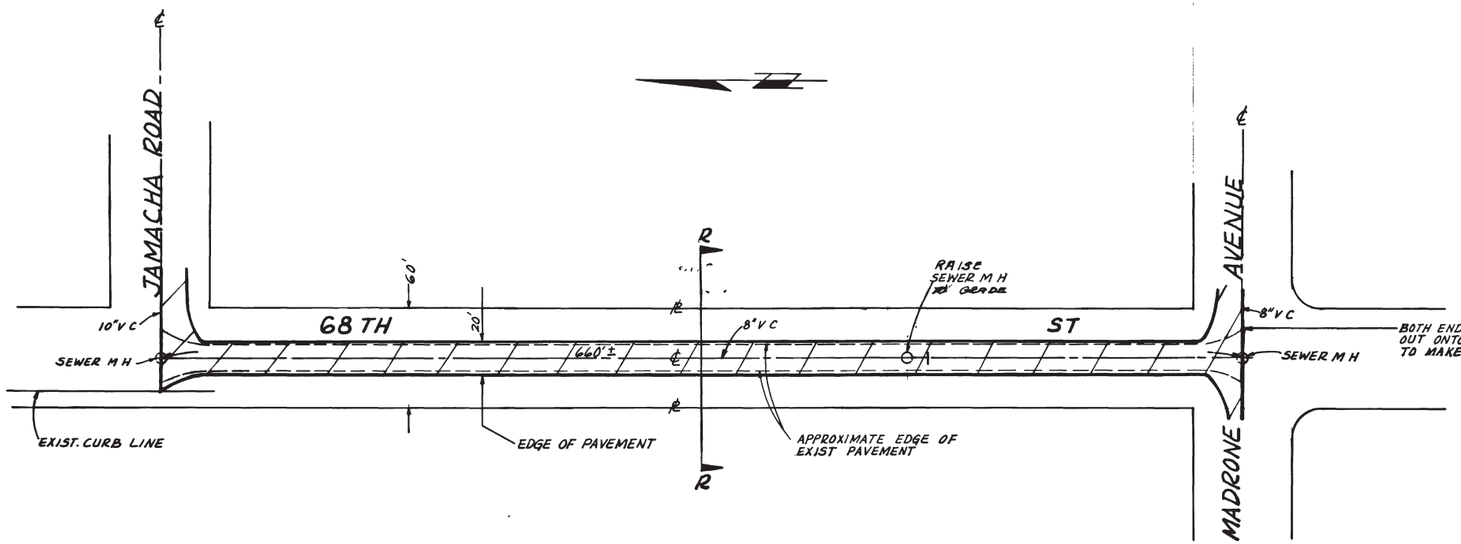
DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	C L			BY
AS-BUILT	J K			BY

CONTROL IDENTIFICATION 198-1752

CONTRACTOR DYKO CORP DATE STARTED 1-7-83
INSPECTOR J. QUENCA DATE COMPLETED 4-26-83

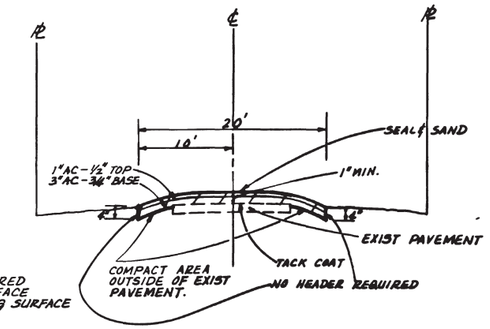
21481-4-D

AS-BUILT



PLAN

SCALE 1" = 40'



TYPICAL X-SECTION R-R
NO SCALE

NOTE: ADJUST ALL SEWER MAN HOLES TO GRADE.

IMPROVEMENTS OF 69TH ST CULVERTS SOUTH OF JAMACHA RD

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 5 OF 6 SHEETS

W.O. NO. 118187

FOR CITY ENGINEER — DATE 3/8/68

SECTION HEAD — DATE 3/8/68

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	C.L.			
AS-BUILT	J.K.	12-6-85		

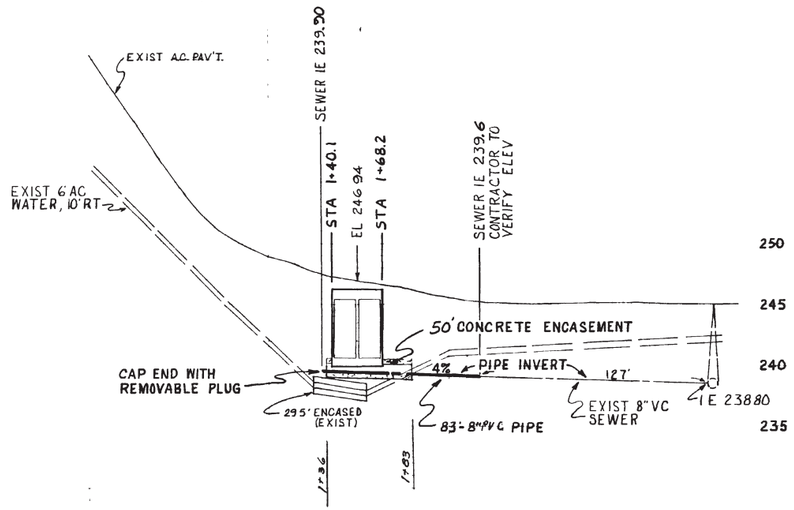
CONTROL CERTIFICATION

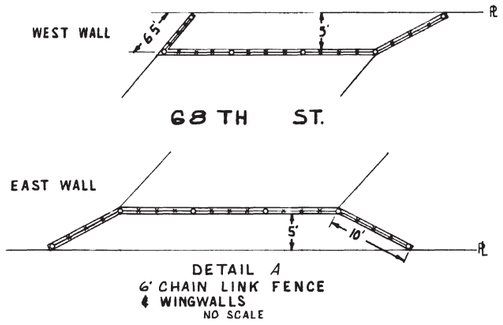
198-1782
LAMBERT COORDINATE

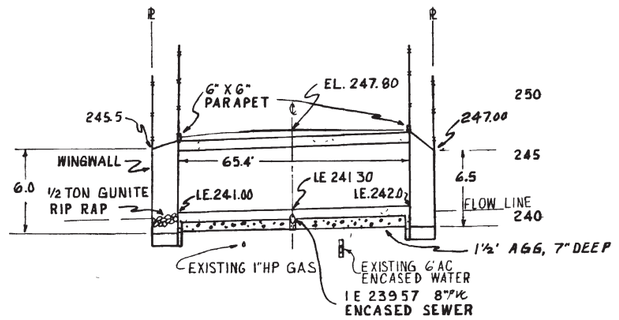
CONTRACTOR DYNO CONST. — DATE STARTED 1-2-68
INSPECTOR J. QUEZADA — DATE COMPLETED 4-26-68

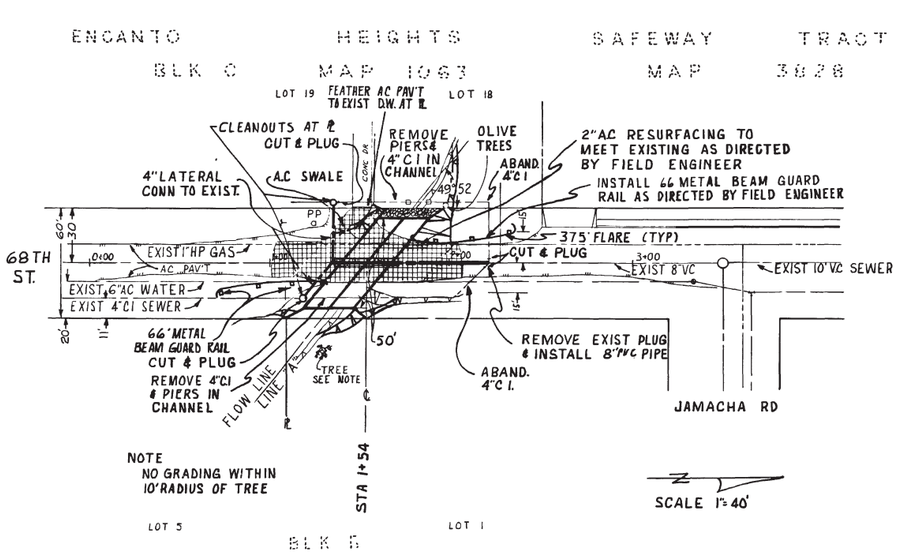
21431-5-D

AS-BUILT





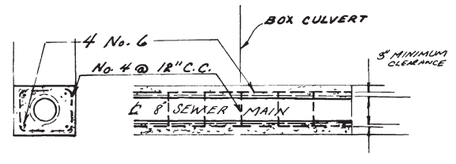




SCALE 1"=40'

PROFILE LINE "A"
STA 1+54
HORIZ 1"=20'
VERT 1"=6'

DETAIL "B" - REINFORCING STEEL IN SEWER LINE ENCASEMENT



BENCH MARK
SWBP 68 TH ST.
& IMPERIAL AVE
ELEV. 252 437 M.S.L

WORK TO BE DONE SCHEDULE

IMPROVEMENT	CITY OF SAN DIEGO STD DRAWING	LEGEND
DOUBLE 5'x10' CLASS A BOX CULVERT	D-77	CLASS 560-B-3250
RIP RAP	D-40	CLASS ½ TON
WINGWALL	D-79	
6 CHAIN LINK FENCE	M-6	
PARAPET	D-81	
2" A C RESURFACING		
8" PVC SEWER PIPE	S-4	
CONCRETE ENCASEMENT	S-7	DETAIL "B" CLASS 4120-C-2000
4" LATERAL	S-13	
METAL BEAM GUARD RAIL	M-7, M-8	
CUTOFF WALL	D-72	

SPECIFICATION
STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, DOCUMENT NO 755163 FILED 5-10-76 STANDARD SPECIAL PROVISION NO. 758403 FILED 2-25-77 SPECIFICATION NO. 4432

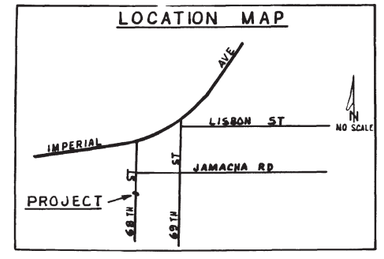
STANDARD DRAWINGS
CITY OF SAN DIEGO STANDARD DRAWINGS DOCUMENT NO. 758672 FILED 3-21-77

REFERENCE DRAWINGS
1208-D, 5435-D, 10298-2D, 7287-L & 6182-W

SURVEY NOTES
CHIEF SHOREY WO # 117613
INDEX 198-1752 DATE 1-11-78

TRAFFIC REQUIREMENTS
STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, DOCUMENT NO 755163, DATED MAY 10, 1976.
ROAD CLOSED

LOCATION MAP



C.I.P. 11-165

CITY CONTRACT

68 TH STREET CULVERT
200'± SOUTH OF JAMACHA RD.

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & DEVELOPMENT DEPT
SHEET 1 OF 1 SHEETS
WO NO 117613

DEPUTY CHIEF ENGINEER — DATE 8-30-79 — PROJECT ENGINEER

APPROVALS

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	B.M.			
AS BUILT	B.M.			

CONTROL CERTIFICATION
198-1753
LAMBERT COORDINATES

CONTRACTOR M. STEINMAN — DATE STARTED 3-19-79
INSPECTOR V. CRONK — DATE COMPLETED 6-19-79

17700-D

AS-BUILT

Attachment E

Final Report Form

Lehotsky, Genene

From: Monji, Alan@Waterboards <Alan.Monji@waterboards.ca.gov>
Sent: Tuesday, January 05, 2016 5:09 PM
To: Lehotsky, Genene; Galer, Rose A SPL
Cc: Rothman, Christine; Matter, Gene
Subject: RE: comments received for Jamacha Channel - RGP 63 request (UNCLASSIFIED)

HI Genene:

Please let me know when the project is complete so I can update our database. For you files, our Project # is R9-2016-0016, Place ID 820685

Alan

><((((º>`·.  .·  `· ><((((º>
><((((º>`·.  .·  `· ><((((º>

-----Original Message-----
From: Lehotsky, Genene [mailto:DLehotsky@sandiego.gov]
Sent: Tuesday, January 05, 2016 4:18 PM
To: Galer, Rose A SPL
Cc: Monji, Alan@Waterboards; Rothman, Christine; Matter, Gene
Subject: RE: comments received for Jamacha Channel - RGP 63 request (UNCLASSIFIED)

Hi Rose,

Thank you for your email. I will be sure to copy Alan on my responses. There is still some work that needs to be done at Jamacha; however the bulk of the maintenance has been completed. Work was stopped for the time being due to the rain.

Thank you,
Genene

Genene Lehotsky
Storm Water Division - O&M
(619) 527-7507

-----Original Message-----
From: Galer, Rose A SPL [mailto:Rose.A.Galer@usace.army.mil]
Sent: Tuesday, January 05, 2016 2:59 PM
To: Lehotsky, Genene <DLehotsky@sandiego.gov>
Cc: Monji, Alan@Waterboards <Alan.Monji@waterboards.ca.gov>
Subject: comments received for Jamacha Channel - RGP 63 request (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Genene-

Pasted below are comments from Alan Monji at the San Diego Water Board for the Jamacha Channel. Please send responses to his questions. If I receive any other comments from other resource agencies I will forward them along as well.

Also, can you confirm if the work has been completed in the Jamacha Channel? I left a voicemail for Gene but I have not heard back whether the work was started and completed on Sunday or not. Thanks so much, Rose

Hi Rose:

Here are my comments for Jamacha Road RGP 63 (SPL-2015-00944-RAP, R9-2016-0016)

1. I would like more information regarding why the proposed work is the minimum work necessary to alleviate the emergency. From your application materials, one large stand of arundo is blocking the drainage and causing the flows to skirt around a stand of arundo. Will the flooding problem be alleviated if only the large stand of arundo is removed?

2. Looking at aerial images of Jamacha Rd, there appears to be an even larger stand of arundo and other vegetation and trees on the east side of 68th street. Are there any concerns for flooding near 68th street?

3. The application materials indicate repeated citizen's complaints for this channel. Please provide the approximate number and dates of the complaints and how the City of San Diego responded to the citizen's complaints.

4. Consistent with the San Diego Water Board's approach in certifying routine channel maintenance projects and in accordance with section VI of Clean Water Act Section 401 Water Quality Certification for U.S. Army Corps of Engineers Reauthorization of Regional General Permit 63 for Repair and Protection Activities in Emergency Situations, SB13006IN (RGP-63 Certification), the City of San Diego will be required to provide compensatory mitigation for permanent impacts that result in a loss of functions in the amount of 2:1 (area mitigated:area impacted) in the form of enhancement for the removal of disturbed wetlands and impacts to the existing natural channel. No compensatory mitigation will be required for the removal of non-native vegetation.

5. Invasive plant removal can be conducted under Regional General Permit 41. Has the City of San Diego considered implementing an invasive plant removal program under this permit?

6. Has the City of San Diego conducted any maintenance activities in this section of the channel? If so, when was the last time it was maintained.

7. The San Diego Water Board requests notification of the project start and completion dates.

Alan

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><((((º>`.. .. `. ><((((º>

Classification: UNCLASSIFIED
Caveats: NONE

FINAL REPORT FORM FOR REGIONAL GENERAL PERMIT 63 FOR REPAIR AND PROTECTION ACTIVITIES IN EMERGENCY SITUATIONS (RGP 63)

Instructions for Attachment E

Attachment E must be submitted electronically as a pdf with a valid signature within 45 calendar days of completion of any emergency actions conducted under RGP 63. Attachment E must be submitted to the State Water Resources Control Board (State Water Board) and the applicable Regional Water Quality Control Board (Regional Water Board).

For State Water Board Submittal
Email: Stateboard401@waterboards.ca.gov (Subject: RGP 63)

For the applicable Regional Water Board Submittal
A staff directory that includes contact information for the State and Regional Water Boards is found at:
http://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/staffdirectory.pdf

I. **Owner of the Land**

Name: City of San Diego				
Mailing Address: 2781 Caminito Chollas, MS 44				
City: San Diego	County: San Diego	State: CA	Zip: 92101	Phone: 619-527-7506
Contact Person Gene Matter	Email rmatter@sandiego.gov			

II. **Billing Address**

Name SAME AS ABOVE				
Mailing Address				
City	County	State	Zip	Phone
Contact Person	Email			

III. **Discharger (if different from owner of the land)**

Name				
Mailing Address				
City	County	State	Zip	Phone
Contact Person	Email			

IV. **Site Location**

Street (including address, if any): 6857 Jamacha Rd., San Diego, CA 92114

The project was emergency maintenance of an earthen bottom drainage channel located south of Jamacha Road and north of Madrone Avenue. It runs east to west and extends approximately 450 linear feet (LF) from the 69th Street culvert to the 68th Street culvert, San Diego, CA. It is within the Skyline-Paradise Hills Community Planning Area, Council District 4.The channel is not located within or adjacent to the Multi-Habitat Planning Area (MHPA).

Nearest cross street(s): 69th Street

County: San Diego	Total size of site (acres): 0.10

Latitude/Longitude (Center of Discharge Area) in degrees/minutes/seconds (DMS) to the nearest ½ second
or decimal degrees (DD) to four decimals (0.0001 degree)

DMS: N. Latitude Deg. ___32____ Min. ____42____ Sec. _____35.72_____

W. Longitude Deg. ____117___ Min. ____02____ Sec. _____59.61_____

DD: N. Latitude _____

W. Longitude _____

Attach a map of at least 1:24000 (1" = 2000') detail of the discharge site (e.g., USGS 7.5 minute topographic map).

V. **Discharge Information**

Subject		Notes
Name(s) and type(s) of receiving waters: Unnamed tributary to South Chollas Valley		Receiving water types are: river/streambed, lake/reservoir, ocean/estuary/bay, riparian area, wetland
Identify all regulatory agencies having jurisdiction over this project. Army Corps of Engineers, Regional Water Quality Control Board, California Department of Fish and Wildlife, and City of San Diego.		For example: Dept. of Fish and Game Streambed Alteration Agreement, Coastal Commission permit
Project start date: 1/3/2016	Project completion date: 1/3/2016	

Project description:	For example: Discharge of riprap; discharge of fill; excavation for a utility line
Emergency maintenance was conducted on a portion of the earthen bottom drainage channel that stretches east to west between 69th St. and 68th St. (MMP Map 115; Figure 3). The average bottom width of the channel is approximately 15 feet. The maintenance area began just east of the 69th St. culvert outlet and continued 277 feet west. Emergency maintenance of the channel included the removal of accumulated sediment and vegetation from the channel. The City's assessment discovered that sediment and exotic vegetation (primarily Arundo) had accumulated along the length of the emergency maintenance area and were constricting flows in the channel resulting in significantly reduced channel capacity. One section near the center of the maintenance area had been completely blocked by Arundo that had fallen in the channel and flows only passed through this section by slowly filtering through the fallen vegetation. These conditions were causing an imminent flooding threat to properties adjacent to the channel by causing a severe reduction in flow rates. Land covers and vegetation removed included 0.04 acres of natural flood channel, 0.05 acres of disturbed wetland (Arundo dominated), and 0.01 acres of disturbed wetland. Total impacts to jurisdictional areas were 0.10 acres (277 linear feet) of wetland and non-wetland waters of the U.S. A mini Excavator and Gradall were the primary tools used to remove material from the channel. The material was then loaded into dump trucks by the Gradall, which was staged outside of the channel. The equipment accessed the channel from the access and staging area adjacent to 69th street as shown on MMP Map 115; Figure 3. Once the material was loaded into dump trucks, it was either taken to a temporary stockpiling location within the access area or taken directly to Miramar Landfill for disposal. No sandbag berms or pumping equipment were used during maintenance as the channel remained dry during all work. All work was monitored by a qualified biologist and equipment was removed from the site at the end of the project.	

Purpose of the entire activity: The purpose of the project was to remove accumulated sediment and vegetation from a portion (approximately 277 LF) of the earthen bottom drainage channel. Originally, crews planned to reestablish the north bank of the channel at an average of 2:1 slope consistent with the as-builts, however a decision was made in the field during maintenance to keep the existing slope, which was steeper, but still able to maintain channel function. Several factors had raised the risk of flood to imminent within the channel including the accumulation of sediment and exotic vegetation (primarily Arundo) along the banks and the length of the channel that were constricting capacity and flows. Transportation & Storm Water (T&SW) Department Engineers had estimated that the channel was at a 50% capacity resulting in a severe reduction in flow rates and there had been repeated incidents of residential flooding adjacent to the channel during prior rain events. The forecasted El Niño-influenced weather patterns are expected to bring heavier than normal rainfall to the San Diego region during the winter of 2015-2016, so it was determined that the excavation and removal of sediment and vegetation was needed in order to alleviate the threat of flooding to adjacent properties from storm events. The emergency maintenance has restored the minimum necessary capacity to the channel in order to prevent residential properties adjacent to this channel from being under imminent threat of severe damage from storm flooding.	For example: Stream-bank erosion control. Maintain, repair, or restore damaged property
Map attached? Yes X No □	
Photographs attached? Yes X No □	
Erosion protection measures employed Adjacent access/staging areas were located in existing developed areas. Adequate BMPs were placed in those areas to prevent sedimentation and erosion to occur. Also work was conducted during dry periods.	
Pollution prevention measures employed The 401 Certification for RGP 63 lists 7 BMP conditions (Section D): 1. Appropriate materials were kept on site to contain potential spills. No spills occurred. 2. Fueling, vehicle maintenance, storage, etc. were located outside of waters of the state and did not result in any discharges. 3. No spills occurred and therefore no notification to the Water Boards was required. 4. All construction materials and debris were removed or stockpiled outside of the waters of the state following completion of the emergency action. 5. All necessary BMPs to control erosion and runoff from staging and access areas were employed. No temporary impacts occurred and therefore no restoration is required. 6. No revegetation is required,	
Was compensatory mitigation required? Yes X No □	

Compensatory Mitigation for Impacts during Emergency Project: (Include contact information and type of mitigation i.e. permittee responsible, mitigation bank, in-lieu fee program) (Include area and linear feet) All work was limited to sediment and vegetation within the earthen bottom drainage channel. Vegetation communities that were removed as part of this maintenance included 0.04 acres of natural flood channel, 0.05 acres of disturbed wetland (Arundo dominated), and 0.01 acres of disturbed wetland. The San Diego RWQCB acknowledged the Army Corps of Engineer's RGP 63 authorization for the project in an email from Alan Monji dated January 14, 2016. The City of San Diego will be required to provide compensatory mitigation for permanent impacts that result in a loss of functions in the amount of 2:1 (area mitigated:area impacted) in wetland enhancement for the removal of disturbed wetland. No compensatory mitigation will be required for the removal of vegetation or sediment from the disturbed wetland (Arundo dominated) or natural flood channel. As such, a subsequent mitigation plan or purchase of approved mitigation credits totaling 0.02 ac are required to be submitted to the San Diego RWQCB for impacts to 0.01 acres of disturbed wetland. Contact information and details regarding the mitigation site/credits will be provided to the San Diego RWQCB. It should be noted that since the San Diego RWQCB has required mitigation for "**permanent impacts**" of the project, the City requests that the San Diego RWQCB provide written acknowledgment that the required mitigation is adequate to mitigate any future maintenance of this channel that results in similar loss of functions (i.e., vegetation and sediment removal within the same maintenance footprint).	

Fill and Excavation Discharges: For each water body type listed below indicate in ACRES the area of the discharge to waters of the state, and identify the impact(s) as permanent and/or temporary. For linear discharges to drainage features and shorelines, e.g., bank stabilization, revetment, and channelization projects, ALSO specify the length of the proposed discharge to waters of the state IN FEET. For dredging activity, indicate total amount of dredged material for the project in cubic yards under permanent impacts.

Water Body Type	Temporary Impact			Permanent Impact		
	Acres	Cubic Yards	Linear Feet	Acres	Cubic Yards	Linear Feet
Lake/Reservoir						
Ocean/Estuary/Bay						
Riparian Zone						
Stream Channel				0.10		277
Vernal Pool						
Wetland						

VI. CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. In addition, I certify that the provisions of these General WDRs will be complied with."	
Signature of Discharger	Title Assistant D.D.
Printed or Typed Name Gene Matter	Date 2.17.16

CONFIDENTIAL COMMUNICATION
This electronic mail message and any attachments are intended only for the use of the addressee(s) named above and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If you are not an intended recipient, or the employee or agent responsible for delivering this e-mail to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you received this e-mail message in error, please immediately notify the sender by replying to this message or by telephone. Thank you.

-----Original Message-----
From: Lynch, Michelle R CIV USARMY CESPL (US) [mailto:Michelle.R.Lynch@usace.army.mil]
Sent: Tuesday, February 28, 2017 11:38 AM
To: Bracci, Stephanie <SBracci@sandiego.gov>
Subject: SPL-2015-00944-RAG (Jamacha Channel Maintenance (Map 115))

Hi Stephanie,

I am writing to let you know that we have revised the authorization referenced above and removed the mitigation requirement. This is due to the fact that the impacts were less than 1/10 of an acre, the activity was maintenance of an existing channel and that there was no loss of waters of the U.S. Please keep this email as documentation that we have removed Special Condition #4 that requires a mitigation plan.

If you have any questions, don't hesitate to contact me.

Shelly

Shelly Lynch
South Coast Branch Chief
Regulatory Division
Los Angeles District
5900 La Place Ct., Suite 100
Carlsbad, CA 92008-8832
Phone: 760-602-4850

Cell: 760-577-5008
Fax: 760-602-4848

Assist us in better serving you! Please complete our brief customer survey, located at the following link:
http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey

WASHINGTON CHANNEL
(MMP MAP 84)

ACOE RGP 63 Authorization
RWQCB 401 Certification Email
RWQCB Attachment E

DEPARTMENT OF THE ARMY
LOS ANGELES DISTRICT, U.S. ARMY CORPS OF ENGINEERS
5900 LA PLACE COURT, SUITE 100
CARLSBAD, CALIFORNIA 92008

January 8, 2016

Mr. Gene Matter
City of San Diego
Storm Water Division
2781 Caminito Chollas, MS 44
San Diego, California 92105

DEPARTMENT OF THE ARMY REGIONAL GENERAL PERMIT NO. 63

Dear Mr. Matter:

I am responding to your request (SPL-2016-00012-RAG) for a Department of the Army permit for your proposed project, Washington Channel Maintenance. The proposed project is located behind the residence at 1792 West Washington Street, City of San Diego, San Diego County, California (Latitude 32.74661°N and Longitude -117.17878°W) (Figures 1, 2 and 3). The proposed work would begin east of the 1792 West Washington Street parking lot and extend east 2,505 feet along West Washington Street ending at the 30-inch culvert at the eastern end of Washington Channel as shown in Figure 3. Mechanized equipment would be used within the channel and include a skid steer to push vegetation and sediment to a loader, which will scoop the material into a dump truck located outside of the channel. The material will be taken to the Miramar Landfill for disposal. A sandbag berm and water pump may be installed within the channel in order to divert flow. Vector machines may be used to remove water from ponding areas. Existing vegetation consists of non-native grasses (mostly *Arundo donax*) and palm trees.

Because this project would result in a discharge of dredged and/or fill material into waters of the United States a Department of the Army permit is required pursuant to Section 404 of the Clean Water Act (33 USC 1344; 33 CFR parts 323 and 330).

I have determined construction of your proposed project, if constructed as described in your application, would comply with Regional General Permit (RGP) No. 63 - Repair and Protection Activities in Emergency Situations. Specifically, and as shown in Figure 3, you are authorized to:

1. Permanently impact approximately 0.13 acre (170 linear feet) of the earthen-lined section of Washington Channel by excavating accumulated sediment and vegetation estimated to be 300 cubic yards of material. This earthen-lined section is located at western end of the channel and shown in Figure 3 as Disturbed Wetland Arundo Dominated.
2. Temporarily impact Washington Channel by placing fill consisting of a sand bag berm approximately 2 feet wide, 1.5 feet high, and 5 feet long during maintenance activities to prevent upstream flows from entering the work area. The sandbag berm is to be placed in

the location depicted in the figure titled "Washington Channel Emergency Maintenance Sandbag Exhibit."

For this RGP verification letter to be valid, you must comply with **all of the terms and conditions of RGP No. 63**, Repair and Protection Activities in Emergency Situations, available at http://www.spl.usace.army.mil/Missions/Regulatory/RegionalGeneralPermits.aspx. **Furthermore, you must comply with the following non-discretionary Special Conditions:**

1. The work authorized by this RGP must be underway no later than fourteen (14) calendar days from date of issuance of this letter of verification. All work must be completed no later than 90 days from the date of this letter. If the Permittee is unable to complete the authorized work by this date, the Permittee must request, in writing, an extension from the U.S. Army Corps of Engineers (Corps) Regulatory Division prior to the deadline.

2. The sandbag berm and all equipment shall be removed within one week of completed work.

3. All work shall be monitored by a qualified biologist and equipment removed from the site upon completion of the work.

4. As directed in RGP No. 63, any work authorized by this RGP must be the minimum necessary to alleviate the immediate emergency, unless complete reconstruction does not result in significantly increased impacts to aquatic resources and logistical concerns indicate such reconstruction is as expedient considering the condition of the project site and is limited to in-kind replacement or refurbishment.

5. As directed in RGP No. 63, you shall provide a written report to this office (within 45 days of completing the project) after completion of any action conducted under this RGP. **PROVIDING THIS REPORT IS MANDATORY**. At a minimum the Report shall include the following:

a. The name, address, and telephone number of the applicant and the applicant's agent (if appropriate).
b. Full description of the activity including:
    i. Description of the emergency and the potential for loss of life or property;
    ii. Purpose of the activity;
    iii. Final goal of the entire activity;
    iv. Location (e.g., latitude/longitude or UTM coordinates; section/township/range on appropriate USGS topographic map; Thomas Guide map, or other source to accurately portray project location);
    v. Size and description of project area (include maps or drawings showing the areal and lineal extent of the project, and pre- and post-construction photographs); and
    vi. Quantities of materials used.
c. Information on receiving waterbody impacted including:
    i. Name of waterbody;

ii. Type of receiving waterbody (e.g., river/streambed, lake/reservoir, ocean/estuary/bay, riparian area, wetland type, etc.);
iii. Temporary/permanent adverse impact(s) in acres/cubic yards/linear feet;
iv. Compensatory mitigation in acres/cubic yards/linear feet; and
v. Other mitigation steps (to avoid, minimize, compensate).

d. Information on federally listed or proposed endangered species or designated or proposed critical habitat including:
i. Temporary/permanent adverse impacts;
ii. Compensatory mitigation; and
iii. Other mitigation steps (to avoid, minimize, compensate).

A general permit does not grant any property rights or exclusive privileges. Also, it does not authorize any injury to the property or rights of others or authorize interference with any existing or proposed Federal project. Furthermore, it does not obviate the need to obtain other Federal, State, or local authorizations required by law.

If you have any questions, please contact Rose Galer at 760-602-4835 or via e-mail at Rose.A.Galer@usace.army.mil.

Sincerely,

Richard J. Van Sant III
Acting Team Lead
South Coast Branch

Enclosures

From:	Orme, Bill@Waterboards
To:	Lehotsky, Genene; Galer, Rose A SPL
Cc:	Becker, Eric@Waterboards; Vipul Joshi; Rothman, Christine; Honma, Lisa@Waterboards; Monji, Alan@Waterboards
Subject:	RE: RGP 63 Pre-Construction Notification for Washington Channel Maintenance - Comments Due 1/8/16 (UNCLASSIFIED)
Date:	Tuesday, January 12, 2016 3:46:48 PM

Hi Genene..

After reviewing the communication I received from Lisa on this project, I amend the mitigation request as follows for the Washington Channel Maintenance project:

> "Consistent with the San Diego Water Board's approach in certifying routine channel maintenance projects and in accordance with section VI of Clean Water Act Section 401 Water Quality Certification for U.S. Army Corps of Engineers Reauthorization of Regional General Permit 63 for Repair and Protection Activities in Emergency Situations, SB13006IN (RGP-63 Certification), the City of San Diego will be required to provide compensatory mitigation for permanent impacts that result in a loss of functions in the amount of 2:1 (area mitigated:area impacted) in wetland enhancement for the removal of freshwater marsh. No compensatory mitigation will be required for the removal of non-native vegetation."

For this project, mitigation for 0.02 acres freshwater marsh (concrete-lined), results in a mitigation requirement of 0.04 acres. Please submit a mitigation plan with attachment e. As a side note, I am wondering about the impacts to the arundo dominated wetland…are you completely eliminating the arundo in this area of the channel? If not, is this feasible? Please include provisions in the mitigation plan for handling the arundo piles and prevention measures for containing the arundo waste in the event of rain.

Bill

From: Lehotsky, Genene [mailto:DLehotsky@sandiego.gov]
Sent: Monday, January 11, 2016 10:20 AM
To: Galer, Rose A SPL; Orme, Bill@Waterboards
Cc: Becker, Eric@Waterboards; 'Vipul Joshi'; Rothman, Christine; Honma, Lisa@Waterboards; Monji, Alan@Waterboards
Subject: RGP 63 Pre-Construction Notification for Washington Channel Maintenance - Comments Due 1/8/16 (UNCLASSIFIED)

Hi Rose and Bill,

Thank you for your response. We appreciate the Regional Board's review of the RGP 63 application and accept the requirement that 2:1 mitigation be provided for impacts to wetlands. However, the acreage of impact requiring mitigation should be corrected to indicate 0.02 acres of disturbed freshwater marsh (concrete-lined), resulting in a mitigation requirement of 0.04 acres. The additional wetland impacts are to 0.03 acres of disturbed wetland (palm-dominated; concrete-lined) and 0.13 acres of disturbed wetland (Arundo dominated). The Regional Board has consistently required mitigation for impacts to predominantly native wetlands and has NOT required mitigation for the removal of non-native, invasive species. The areas mapped as disturbed wetland represent nearly monotypic stands of non-native, invasive species that substantially reduce the beneficial uses of the received waters. The removal of non-native, invasive species is universally recognized as providing a net benefit to aquatic resource function. The adverse effect of removing vegetation from these areas is mitigated through the removal of these non-native, invasive species which, as you know, if left uncontrolled, will continue to spread and reduce aquatic resource functions within a

larger area over time.

We ask that you please provide a revised email to all recipients on the original email, consistent with previous RGP 63 authorizations received over the last month (see attached), stating that:

> "Consistent with the San Diego Water Board's approach in certifying routine channel maintenance projects and in accordance with section VI of Clean Water Act Section 401 Water Quality Certification for U.S. Army Corps of Engineers Reauthorization of Regional General Permit 63 for Repair and Protection Activities in Emergency Situations, SB13006IN (RGP-63 Certification), the City of San Diego will be required to provide compensatory mitigation for permanent impacts that result in a loss of functions in the amount of 2:1 (area mitigated:area impacted) in wetland enhancement for the removal of freshwater marsh. No compensatory mitigation will be required for the removal of non-native vegetation."

Thank you,
Genene Lehotsky

Genene Lehotsky
Senior Planner
City of San Diego, Transportation & Storm Water Department
2781 Caminito Chollas, MS 44, San Diego, CA 92105
Direct: 619-527-7507 | Fax: 619-527-7445

-----Original Message-----
From: Galer, Rose A SPL [mailto:Rose.A.Galer@usace.army.mil]
Sent: Friday, January 08, 2016 3:12 PM
To: Lehotsky, Genene <DLehotsky@sandiego.gov>
Cc: Honma, Lisa@Waterboards <Lisa.Honma@waterboards.ca.gov>; Orme, Bill@Waterboards <Bill.Orme@waterboards.ca.gov>
Subject: FW: RGP 63 Pre-Construction Notification for Washington Channel Maintenance - Comments Due 1/8/16 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Genene-

Please see the comments and requirements regarding mitigation from the Water Boards below. As an FYI, Bill Orme is from the State Water Board and is assisting Lisa and Alan with their RGP 63 work load.

Please let me know if you have any questions.

Thanks,

Rose Galer
Project Manager, Carlsbad Field Office
U.S. Army Corps of Engineers, Regulatory Division
5900 La Place Court, Suite 100
Carlsbad, CA 92008
Rose.A.Galer@usace.army.mil
(760) 602-4835 (direct)
(760) 277-5225 (blackberry)
(760) 602-4848 (fax)
(Please note: we do not have out-of-office notifications)

-----Original Message-----
From: Orme, Bill@Waterboards [mailto:Bill.Orme@waterboards.ca.gov]
Sent: Friday, January 08, 2016 2:17 PM
To: Galer, Rose A SPL; Fisher, Kelly@Wildlife; Becker, Eric@Waterboards; Honma, Lisa@Waterboards; Medin, Anmarie@Parks; Mendel_Stewart@fws.gov; david_zoutendyk@fws.gov; Goldmann, Elizabeth; Monji, Alan@Waterboards
Subject: [EXTERNAL] RE: RGP 63 Pre-Construction Notification for Washington Channel Maintenance - Comments Due 1/8/16 (UNCLASSIFIED)

Hi Rose
Thank you for your notification. The Water Boards have reviewed PCN and have no comments on the project activities. However, we request that the City of San Diego provide mitigation for wetland impacts at a 2:1 ratio. In the case of this project, impacts of 0.16 acres of wetlands will occur, and the mitigation required would be 0.32 acres of mitigation. We have received the application fee and attachment D (attached above) from Gene Matter, City of San Diego. Please have the City of San Diego provide a mitigation plan with the attachment E form also attached to Lisa Honma and cc the State Water Board.
Thank you

-----Original Message-----
From: Galer, Rose A SPL [mailto:Rose.A.Galer@usace.army.mil]
Sent: Tuesday, January 05, 2016 4:36 PM
To: Fisher, Kelly@Wildlife; Becker, Eric@Waterboards; Honma, Lisa@Waterboards; Medin, Anmarie@Parks; Mendel_Stewart@fws.gov; david_zoutendyk@fws.gov; Goldmann, Elizabeth; Monji, Alan@Waterboards
Subject: RGP 63 Pre-Construction Notification for Washington Channel Maintenance - Comments Due 1/8/16 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

To all-

Attached is a Regional General Permit 63 Pre-Construction Notification for the Washington Channel Maintenance Project. Please respond with comments by close of business on Friday, January 8, 2016.

Thank you,
Rose Galer
Project Manager, Carlsbad Field Office
U.S. Army Corps of Engineers, Regulatory Division
5900 La Place Court, Suite 100
Carlsbad, CA 92008
Rose.A.Galer@usace.army.mil
(760) 602-4835 (direct)
(760) 277-5225 (blackberry)
(760) 602-4848 (fax)
(Please note: we do not have out-of-office notifications)

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

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FINAL REPORT FORM FOR REGIONAL GENERAL PERMIT 63 FOR REPAIR AND PROTECTION ACTIVITIES IN EMERGENCY SITUATIONS (RGP 63)

Instructions for Attachment E

Attachment E must be submitted electronically as a pdf with a valid signature within 45 calendar days of completion of any emergency actions conducted under RGP 63. Attachment E must be submitted to the State Water Resources Control Board (State Water Board) and the applicable Regional Water Quality Control Board (Regional Water Board).

For State Water Board Submittal
Email: Stateboard401@waterboards.ca.gov (Subject: RGP 63)

For the applicable Regional Water Board Submittal
A staff directory that includes contact information for the State and Regional Water Boards is found at:
http://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/staffdirectory.pdf

PROPERTY OWNER		
Name: City of San Diego	Phone Number: 619-527-7506	
Mailing Address: 2781 Caminito Chollas, MS 44		
City: San Diego	State: CA	ZIP Code: 92105
Contact Person: Gene Matter	E-Mail: rmatter@sandiego.gov	
BILLING ADDRESS		
Name: SAME AS ABOVE	Phone Number:	
Mailing Address:		
City:	State:	ZIP Code:
Contact Person:	E-Mail:	
DISCHARGER (If different from owner)		
Name:	Phone Number:	
Mailing Address:		
City:	State:	ZIP Code:
Contact Person:	E-Mail:	
PROJECT SITE LOCATION		
Street (include address, if any): 1792 West Washington, San Diego, CA 92103		
Nearest Cross Street(s): West University Avenue & India Street		
County: San Diego	Total size of project site (acres): 0.63 (including non-jurisdictional areas)	
Photos Attached: X Yes ☐ No		

Latitude/Longitude (Center of Discharge Area) in degrees/minutes/seconds (DMS) to the nearest ½ second OR decimal degrees (DD) to four decimals (0.0001 degree)

DMS: N. Latitude Deg. __32____ Min. ___44____ Sec. __48.14_____

W. Longitude Deg. __117_____ Min. ___10_____ Sec. __43.31_____

DD: N. Latitude _____

W. Longitude _____

Attach a map of at least 1:24000 (1" = 2000') detail of the impact site(s).

Indicate the map format used (listed in order of preference):

X **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 aquatic resource type. 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.

☐ **Google KML files** saved from Google Maps: My Maps (free) or Google Earth Pro (not free). Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted.*

X Aquatic resource maps marked on paper USGS 7.5 minute **topographic maps** or DOQQ printouts. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted.

*** If using Google Maps: My Maps or similar, provide URL(s) of maps.**

DISCHARGE INFORMATION	
Project Start Date: January 20, 2016	Project Completion Date: January 30, 2016
Names of Receiving Water(s):	
Tributary to San Diego Bay (Tecolote Creek Hydrologic Unit Basin Number 6.50)	
Receiving Water Types:	
☐Lake/Reservoir ☐Ocean/Estuary/Bay X River/Streambed	X Riparian Area ☐Vernal Pool ☐Wetland
Regulatory Agencies with Jurisdiction Over Project and Associated Permits/Agreements:	
Army Corps of Engineers – RGP 63, Authorization SPL-2016-00012-RAG California Department of Fish and Wildlife – Emergency Notification City of San Diego – Emergency Permit PTS #466789 & Approval No. 1633292	
Emergency Project Description: (e.g. discharge of riprap; discharge of fill; excavation for a utility line)	
On November 19, and December 29, 2015, the City conducted site visits at the Washington Channel adjacent to 1770 and 1792 W. Washington Street and determined that sediment and vegetation had accumulated in scattered sections within the channel, constricting flows and	

increasing the risk of flooding. The channel is primarily concrete-lined with a small earthen-bottom section at the west end. The maintenance area extended 2,505 feet, and the bottom width varies between approximately 5 feet in the concrete-lined portion to 60 feet in the earthen portion. The top widths vary between approximately 11 feet in the concrete-lined portion to 70 feet in the earthen portion.

With the prediction of El Niño, the City of San Diego (City) determined that this channel (MMP Map 84) posed a high flood risk due to the heavy build-up of sediment and vegetation. The build-up of sediment and vegetation, including a large stand of Arundo at the western end of the channel had reduced flow capacity. This reduced flow capacity combined with the potential for vegetation to break loose and clog the downstream trash fence/desilting basin and receiving pipe during heavy rains was considered an imminent threat to downstream properties. Removing only portions of the vegetation and sediment in the concrete-lined portion of the channel would break up the overall vegetative structure in the channel and encourage sloughing; therefore posing a high risk of the vegetation being carried downstream by heavy rains and flows within the channel. Removing the vegetation and sediment in this section restored the minimum channel capacity necessary to protect the commercial and residential properties downstream of this channel from the threat of severe damage from flooding.

The emergency maintenance began just east of the 1792 W. Washington St. parking lot, extended east along W. Washington St., and included the mechanized removal of all existing sediment and vegetation within the channel. A bobcat, excavator, and dump trucks were the primary tools used to remove material from the channel. The bobcat entered the channel from the staging areas shown on MMP Map 84 and pushed vegetation and sediment to the excavator that was staged at the access ramp near 1770 W. Washington St. The excavator scooped material from the channel and loaded it into dump trucks. The debris was taken directly to the Miramar Landfill for disposal. All work was monitored by a qualified biologist. An archaeologist and Native American monitor were also present during maintenance activities when needed. All equipment was removed from the site following completion of the project.

Purpose of the Entire Project Activity: (e.g. stream-bank erosion control; maintain, repair, or restore damaged property)

The purpose of this project was to remove accumulated sediment, loosely anchored vegetation, and debris which had raised the threat of the channel flooding downstream properties, particularly within the earthen section at the west end of the channel. In the west end, a significant amount of debris, coupled with dense stands of Arundo, resulted in an approximately 50% reduction in channel capacity (MMP Map 84; Figure 3). Before maintenance was conducted, the properties at the downstream end of the channel, including, 1770, 1790, 1792, and 1802 W. Washington, were at a particularly high risk from flood damage as Storm Water engineers estimated that the channel was at a 2-year capacity. Excavation and removal of the vegetation, sediment, and debris restored the minimum necessary capacity to the channel in order to alleviate the threat of flooding to adjacent properties. This maintenance has restored the channel to its as-built condition of a 100-year capacity.

Given the predictions of strong El Niño conditions during this rainy season, heavy storms have been expected. In the last two "very strong" El Niño years (1982-83, 1997-98) coastal Southern California saw more than twice the average rainfall. If similar rain events occur this winter, significant damage is probable.

The strength of the current El Niño was unexpected, and it, combined with the observed channel conditions, created a substantial likelihood that significant rain events would cause sudden flooding of the properties surrounding Washington channel, particularly within the rainy season

months (approximately December 2015 to March/April 2016). Therefore, it was necessary that vegetation, sediment, and debris be removed from this channel in order to alleviate the threat of flooding.

This emergency activity meets the criteria set forth in Public Resources Code Section 21080(b)(4) and CEQA Guidelines Section 15269(c), which allow for actions necessary to prevent or mitigate an emergency.

Erosion and Sediment Control Measures Implemented:

The channel is primarily concrete-lined with a small earthen-bottom section at the west end. Adjacent access/staging areas were located in existing developed areas. Adequate BMPs were placed in those areas to prevent sedimentation and erosion from occurring (see pollution prevention measures listed below).

Work was conducted during dry periods; however, there were trace amounts of standing water in the upstream section of the concrete-lined section of the channel. A pump system was used to bypass this water around the work area and downstream. Additionally, crews set up small sand bag berms to prevent any incidental upstream flow from entering the earthen section of the work area.

Pollution Prevention Measures Implemented:

The 401 Certification for RGP 63 lists 7 BMP conditions (Section D):

1. Appropriate materials were kept on site to contain potential spills. No spills occurred.
2. Fueling, vehicle maintenance, storage, etc. were located outside of waters of the state and did not result in any discharges.
3. No spills occurred and therefore no notification to the Water Boards was required.
4. All construction materials and debris were removed following completion of the emergency action.
5. The placement of a temporary dam caused no siltation. Normal flows were restored to the stream upon completion of work.
6. All necessary BMPs to control erosion and runoff from staging and access areas (e.g., fiber rolls) were employed. No temporary impacts occurred and therefore no restoration is required.
7. No revegetation is required. Maintenance was conducted within concrete channels and an earthen basin. The basin supported invasive species, which were cut to grade (providing soil stabilization) and will continue (for a minimum of 2 years and/or maximum of 5 years as a mitigation plan) to be re-treated to control re-sprouts.

Fill and Excavation Discharges: For each aquatic resource type listed below indicate in acres, cubic yards, and linear feet the actual discharge to waters of the state, and identify the impact(s) as permanent and/or temporary.

Aquatic Resource Type	Temporary Impact			Permanent Impact		
	Acres	*Cubic Yards*	*Linear Feet*	*Acres*	*Cubic Yards*	*Linear Feet*
Lake/Reservoir						
Ocean/Estuary/Bay						

Riparian Zone						
Stream Channel				0.63		2,505
Vernal Pool						
Wetland						

COMPENSATORY MITIGATION	
Required: X Yes ☐No	Photos Attached: ☐ Yes ☐ No
Compensatory Mitigation Description (include aquatic resource type and acres and linear feet):	
All work was limited to sediment, vegetation, and debris within the earthen and concrete-lined channel. Vegetation and land cover impacts comprised approximately 0.33 acres of developed concrete-lined channel, 0.03 acres of disturbed wetland (palm-dominated; concrete lined), 0.02 acres of disturbed freshwater marsh (concrete-lined), and 0.25 acres of disturbed wetland (Arundo-dominated) The project restored the as-built condition of the channel. Re-sprouts of invasive species (Arundo) will be treated for at least two years. However, a mitigation plan is being prepared to extend the invasive species maintenance program up to five years, as agreed to by the Regional Water Quality Control Board.	
MITIGATION SITE LOCATION	
Street (include address, if any):	
Nearest Cross Street(s):	
County:	
Latitude/Longitude (Center of Mitigation Area) in degrees/minutes/seconds (DMS) to the nearest ½ second OR decimal degrees (DD) to four decimals (0.0001 degree) DMS: N. Latitude Deg. _____ Min. _____ Sec. _____ W. Longitude Deg. _____ Min. _____ Sec. _____ DD: N. Latitude _____ W. Longitude _____	
Attach a map of at least 1:24000 (1" = 2000') detail of the mitigation site. **Indicate the map format used** (listed in order of preference): ☐ **GIS shapefiles**. The shapefiles must depict the boundaries of all project(s) and extent of aquatic resources. Each shape should be attributed with the aquatic resource type. 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. ☐ **Google KML files** saved from Google Maps: My Maps (free) or Google Earth Pro (not free). Maps must show the boundaries of all project(s) and extent/type of aquatic resources.* ☐ Aquatic resource maps marked on paper USGS 7.5 minute **topographic maps** or DOQQ printouts. Maps must show the boundaries of all project(s) and extent/type of aquatic resources. *** If using Google Maps: My Maps or similar, provide URL(s) of maps.**	

FINAL REPORT FORM FOR REGIONAL GENERAL PERMIT 63 FOR REPAIR AND PROTECTION ACTIVITIES IN EMERGENCY SITUATIONS (RGP 63)

CERTIFICATION	
"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. In addition, I certify that the provisions of this Certification and Corps Regional General Permit No. 63 will be complied with."	
Signature of Discharger	Title Assistant Deputy Director
Printed or Typed Name Gene Matter	Date 3-15-16

PARKSIDE CHANNEL
(MMP MAP 122)

ACOE RGP 63 Authorization
RWQCB 401 Certification Email
RWQCB Attachment E

DEPARTMENT OF THE ARMY
LOS ANGELES DISTRICT, U.S. ARMY CORPS OF ENGINEERS
5900 LA PLACE COURT, SUITE 100
CARLSBAD, CALIFORNIA 92008

December 22, 2015

Gene Matter
City of San Diego
Transportation & Storm Water Department
2781 Caminito Chollas, MS 44
San Diego, California 92108

DEPARTMENT OF THE ARMY REGIONAL GENERAL PERMIT (RGP) 63 NOTICE TO PROCEED

Dear Mr. Matter:

I am responding to your request (Corps File No. SPL-2015-00909-RAG) for a Department of the Army permit for your proposed project, Parkside Channel Maintenance. The proposed project is located behind residences at 6512 Parkside Avenue, City of San Diego, San Diego County, California (Latitude 32.67012 N° and Longitude -117.04783 W°) (Figures 1-3).

Because this project would result in a discharge of dredged and/or fill material into waters of the United States a Department of the Army permit is required pursuant to Section 404 of the Clean Water Act (33 USC 1344; 33 CFR parts 323 and 330).

I have determined construction of your proposed project, if constructed as described in your application, would comply with Regional General Permit (RGP) No. 63 - Repair and Protection Activities in Emergency Situations. Specifically, and as shown in Figures 1-3 and Attachment A, you are authorized to:

1. Temporarily impact Parkside Channel, a non-wetland water of the U.S., by placing sandbags as temporary fill at two locations:
    a. Location #1: Approximately 36 sandbags (i.e., 30 square feet) would be placed at the 48 inch culvert at Dusk Drive and Parkside Avenue to prevent sediment and water from flowing downstream.
    b. Location #2: Approximately 72 sandbags (i.e., 53 square feet) would be placed at the 84 inch culvert west of Parkside Avenue and Garber Drive to prevent sediment and water from flowing downstream.

For this RGP verification letter to be valid, you must comply with all of the terms and conditions of RGP No. 63 - Repair and Protection Activities in Emergency Situations, available at http://www.spl.usace.army.mil/Missions/Regulatory/RegionalGeneralPermits.aspx. In addition, you must comply with the Special Conditions listed below:

1. The work authorized by this RGP must be underway no later than fourteen (14) calendar days from date of issuance of this letter of verification. All work must be completed no later than 90 days from the date of this letter. If the Permittee is unable to complete the authorized work by this date, the Permittee must request, in writing, an extension from the U.S. Army Corps of Engineers (Corps) Regulatory Division prior to the deadline.

2. As directed in RGP No. 63, any work authorized by this RGP must be the minimum necessary to alleviate the immediate emergency, unless complete reconstruction does not result in significantly increased impacts to aquatic resources and logistical concerns indicate such reconstruction is as expedient considering the condition of the project site and is limited to in-kind replacement or refurbishment.

3. All equipment shall be removed within one week of completed work.

4. All work shall be monitored by a qualified biologist.

A general permit does not grant any property rights or exclusive privileges. Also, it does not authorize any injury to the property or rights of others or authorize interference with any existing or proposed Federal project. Furthermore, it does not obviate the need to obtain other Federal, State, or local authorizations required by law.

If you have any questions, contact Rose Galer at 760-602-4835 or via e-mail at Rose.A.Galer@usace.army.mil. Please reference file number SPL-2015-00909-RAG in your reply.

Sincerely,

Richard J. Van Sant III
Acting Team Lead
South Coast Branch

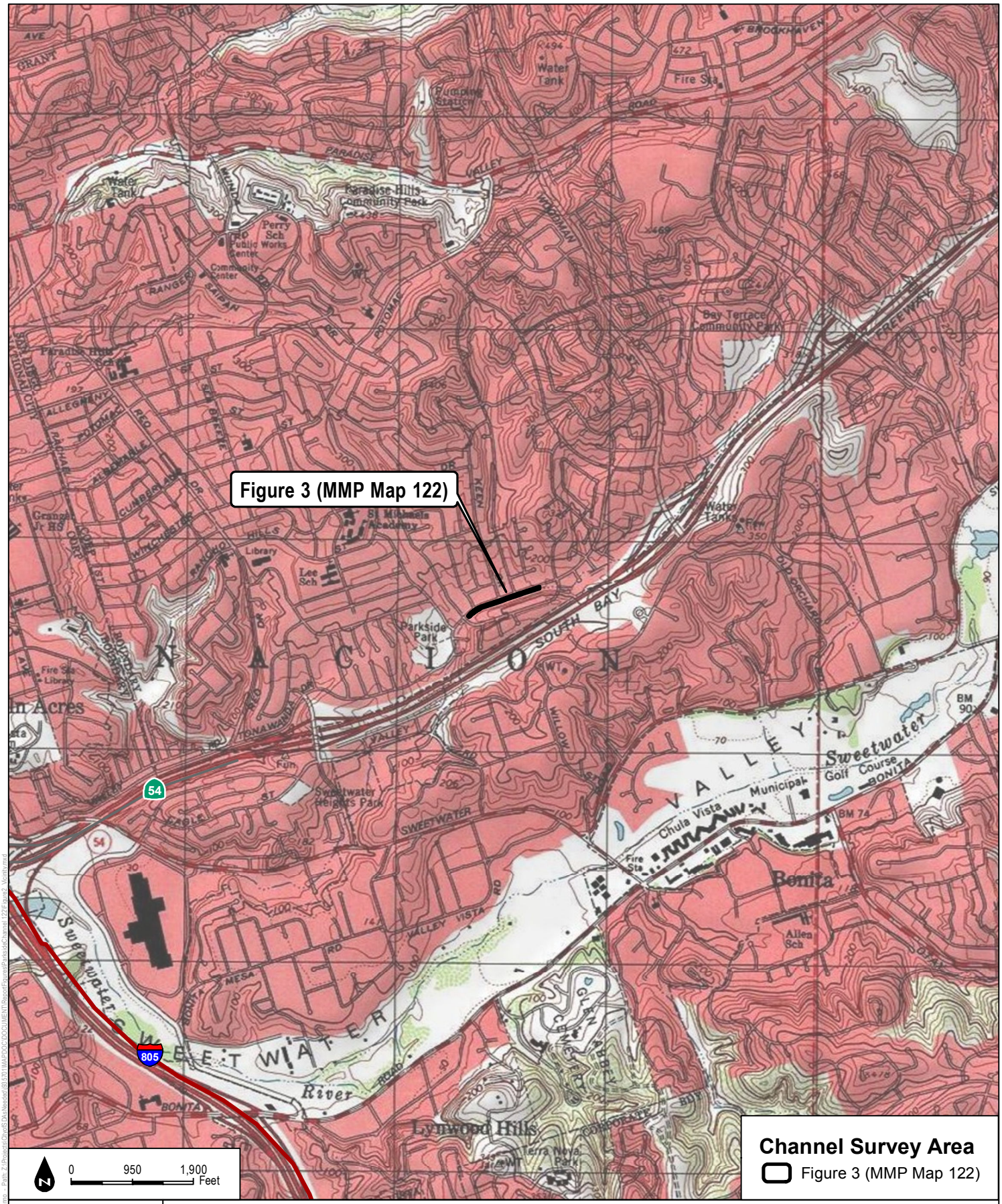
Enclosures

DUDEK

FIGURE 1

Regional Map

Parkside Channel(MMP Map 122) - Emergency Channel Maintenance



SOURCE: USGS 7.5-Minute Series - National City Quadrangle.

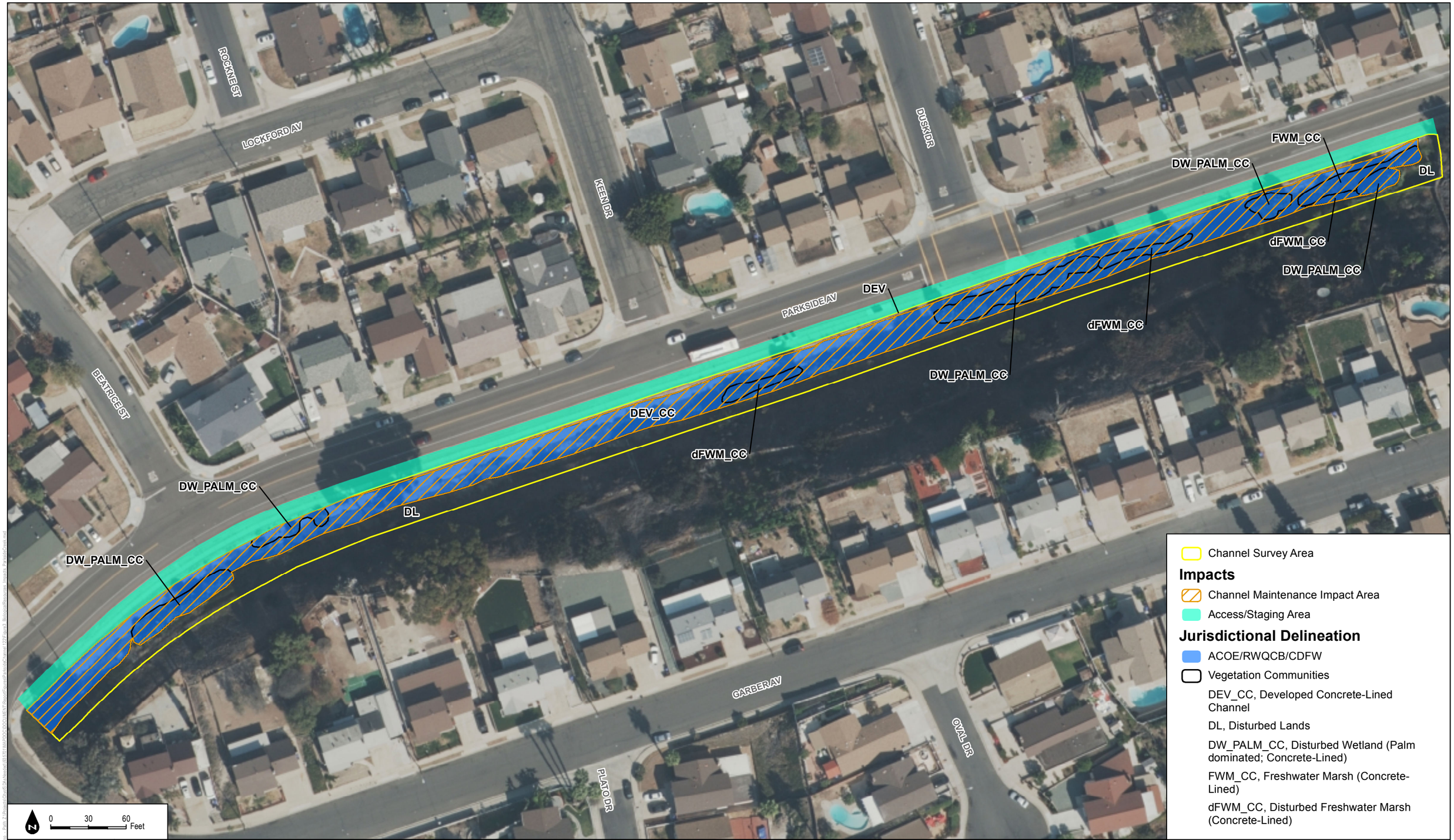
FIGURE 2

Vicinity Map

DUDEK

Parkside Channel (MMP Map 122) - Emergency Channel Maintenance

Date: 7/30/2015 - Last saved by: tmarge - Path: Z:\Projects\City of Chula Vista\Parkside Channel (MMP Map 122)\MAPDOC\DOCUMENT\Report Figures\Parkside Channel (MMP Map 122) Monthly.mxd



DUDEK

SOURCE: SANDAG Imagery 2015; Helix 2015; City of San Diego 2015

MMP Map 122; Figure 3

Biological Resources and Impacts

Parkside Channel (MMP Map 122) - Emergency Channel Maintenance

ATTACHMENT A

Parkside Channel Emergency Channel Maintenance, MMP Map 122

Photograph Log

Photograph 1: Looking upstream (east) toward 6555 Parkside Ave. at the freshwater marsh and sediment that has accumulated in the east end of MMP Map 122; Figure 3.

(November 11, 2015; 12:46pm)

Photograph 2: Looking west at a section of Disturbed Wetland (palm dominated; concrete-lined) near the center of MMP Map 122; Figure 3.

(November 11, 2015; 12:39pm)

Photograph 3: Looking upstream at exotic vegetation (palms) growing up in the channel from just south of the Keen Dr. and Parkside Ave. intersection within MMP Map 122; Figure 3. (November 11, 2015; 12:40pm)	**Photograph 4:** Loosely rooted palm trees growing within the concrete Parkside channel. (November 11, 2015; 12:40pm)

Photograph 5: Looking east upstream at the channel from just east of the Garber Ave. and Parkside Ave. intersection within MMP Map 122; Figure 3.	**Photograph 6:** Looking west downstream at the culvert running under Garber Ave. within MMP Map 120; Figure 3.
(November 11, 2015; 12:38pm)	(November 11, 2015; 12:37pm)

CONSTRUCT 185 L.F. OF CHANNEL, PER STD. PLAN 340 E.B. SHOWN HEREON b=12' d=5.5'

CONSTRUCT 100 L.F. OF CHANNEL TRANSITIONAL, PER STD. PLAN 340 E.B. b=12' to 10' d=5.5' to 6'

CONSTRUCT 159 L.F. OF CHANNEL, PER STD. PLAN 340 E.B. d=5' b=10'

Begin Construction, Tract Boundary

Begin Channel Transition b=12' d=5.5'

End Channel Transition b=10' d=6'

End of semi-channel, begin gunite apron

Tract Boundary

Existing Ground @ ℄ of Construction

Finish Grade @ North ℄

Top of Levee

S=0.007662

S=0.02662

S=0.0600

S=0.0100

Compacted fill to drain 0.5%

cut to drain @ 0.5%

3" Gunite Apron

Proposed Cutoffwall North Bonita Hills Unit No. 3 will not be required. Make Channel continuous

PROFILE
SCALE: HORIZ.-1"=40'
VERT.-1"=5'

BENCH MARK
B.M. ELEVATION 244.12
Lead Plug in N.W. Curb return, Corner of Sea Breeze Drive & Winchester Street.
City Engineer's F.B. 2127-76

CONSTRUCT 52 L.F. OF 18" R.C.P. 1500-D

Inside face of Curb Inlet

Finish Surface @ ℄ of Constr.

SECTION B-B
SCALES: HORIZ.-1"=40'
VERT.-1"=5'

CONSTRUCT 50 L.F. OF 18" R.C.P. 1500-D

CONSTRUCT 8 L.F. OF 18" R.C.P. 1500-D

CONSTRUCT 66 L.F. OF 18" R.C.P. 1500-D

VOID

SECTION C-C
SCALES: HORIZ.-1"=20'
VERT.-1"=5'

SECTION D-D
SCALES: HORIZ.-1"=20'
VERT.-1"=5'

SECTION E-E
SCALES: HORIZ.-1"=20'
VERT.-1"=5'

GENERAL NOTES

1. All Exposed edges of concrete to be chamfered ¾"
2. All concrete shall be Class A Portland Cement Concrete
3. Reinforcement shall be deformed bars of intermediate grade steel as per A.S.T.M. A-15-50 T
4. All bar bends and hooks shall conform to the American Concrete Institute 'Manual of Standard Practice'
5. Transverse joint keyways, (in both slab and sideslopes), shall be placed at the end of each pour but the spacing thereof shall not exceed 50 feet or be less than 10 feet. All construction joint in bottom slab and sideslopes shall be in the same plane. No steppering of joints will be permitted.
6. All reinforcing steel to be cut 1½" from surface
7. Dimensions from face of concrete to steel are to centerline of steel, unless otherwise noted.

DUSK DRIVE

PARKSIDE AVENUE

Fence

Top of Levee

Toe of Levee

℄ Proj. & Construction

11½:1

11h:1

Daylight cut

Daylight fill

3" Gunite Apron

Compacted Fill to Drain 0.5% Min. Grade

Tract Boundary

Proposed Cutoffwall North Bonita Hills Unit No. 3 will not be required. Make Channel continuous

PLAN
SCALE-1"=40'

REDUCED PLAN
USE SCALE BELOW
0 1 2 3 4
-4" ON ORIGINAL SCALE

CUT OFF WALL DETAIL
SCALE-½"=1'-0"

SECTION A-A
SCALE-½"=1'-0"

HALF CHANNEL SECTION
SCALE-½"=1'-0"

5' Chain Link Fence

Shown in Plan

Varies

Top of Levee

Coarse Aggregate 2" max. dia.

8"x8" Copper wire mesh Cradle @ each weephole

4" dia. weepholes @ 10' c.c.

Broom Finish

Toe of Levee

2x3 Keyed Constr. Joint

Channel Invert

Compacted fill

PRIVATE CONTRACT
ENGINEER OF WORK
McINTIRE & QUIROS, INC.
3211 Beverly Blvd, L.A. Calif.
BY: Olen Murrey
OLEN D. MURREY RE.9548

PLANS FOR STORM DRAIN IMPROVEMENTS OF PARKSIDE AVENUE In North Bonita Hills Unit No. 4

CITY OF SAN DIEGO
ENGINEERING DEPARTMENT

SHEET 9 OF 10 SHEETS

W.O. NO. 76205

PLAN REVISION			
CHANGE	BY	DATE	APPROVAL
As Built	Eml	10-4-60	

E.J. Symonds CITY ENGINEER — 7/2/59 DATE

APPROVALS FOR

WATER DEPT.	SEWERAGE
PLANNING DEPT.	DRAINAGE
ELECTRICAL	HIGHWAY
STRUCTURAL	GRADES
TRAFFIC	CONTROL

ASST CITY ENGINEER AND OFFICE ENGINEER

SUPERVISOR

CHECKED

DESIGNED

7498 D

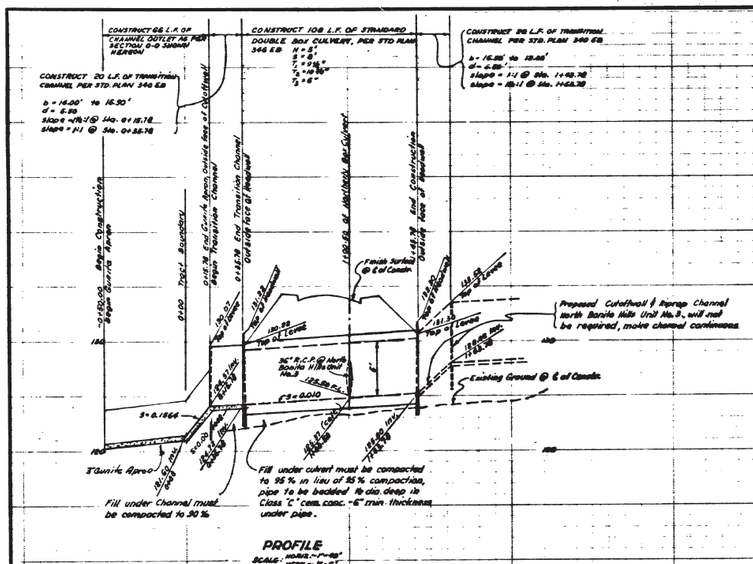
CONSTRUCTION RECORD

8-5-59 DATE STARTED — 8-16-60 DATE COMPLETED

CONTR. K.H. GOLDEN CO. INSP. FESLER

FIELD BOOK L-268

MICROFILMED

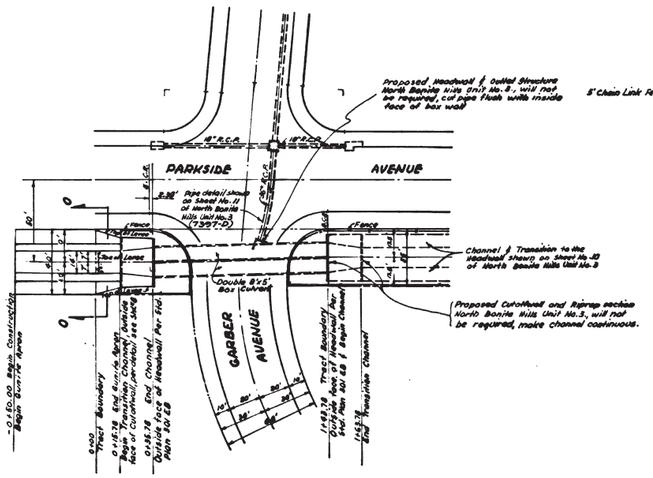


PROFILE

SCALE: HORIZ. - 1" = 20'
VERT. - 1" = 5'

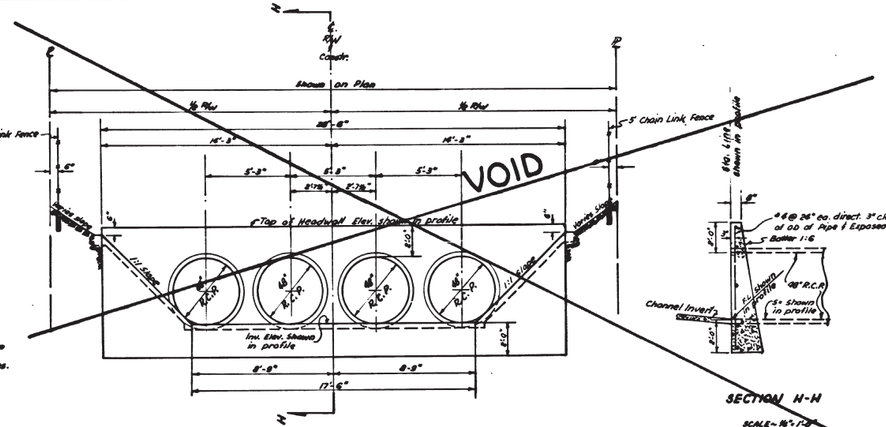
BENCH MARK

B.M. Elevation 266.12
Lead Plug in N.W. Curb return, Corner of Sea Breeze Drive & Winchester Street.
City Engineers R.B. 8407-10



PLAN

SCALE - 1" = 40'


℄ R/W Constr.
Shown on Plan
½ R/W
½ R/W
38'-6"
16'-8"
16'-8"
5'-3"
5'-3"
5'-3

From:	Honma, Lisa@Waterboards
To:	Lehotsky, Genene
Cc:	Galer, Rose A SPL; Fisher, Kelly@Wildlife; Deisher, Helene; Matter, Gene; Nazareno, Angela; Vipul Joshi; Rothman, Christine; Guerrero, Meris SPL; Becker, Eric@Waterboards; WB-DWQ-Stateboard401
Subject:	Enrollment in RGP 63 Certification for Parkside Channel Maintenance (Map 122) Project
Date:	Tuesday, December 22, 2015 11:47:17 AM

Genene, The City has been enrolled in the General Certification for RGP-63. The City is responsible for meeting the provisions of the permit.

Consistent with the San Diego Water Board's approach in certifying routine channel maintenance projects and in accordance with section VI of Clean Water Act Section 401 Water Quality Certification for U.S. Army Corps of Engineers Reauthorization of Regional General Permit 63 for Repair and Protection Activities in Emergency Situations, SB13006IN (RGP-63 Certification), the City of San Diego will be required to provide compensatory mitigation for permanent impacts that result in a loss of functions in the amount of 2:1 (area mitigated:area impacted) in wetland enhancement for the removal of freshwater marsh and wetland. No compensatory mitigation will be required for the removal of sediment from unvegetated stream channel.

In the subject line of any response, please include the reference number R9-2015-0208:820215:lhonma.

Please let me know if you have any questions. Thanks and I wish you happy holidays, Lisa

Lisa E.B. Honma
Watershed & Riparian Protection Unit

San Diego Regional Water Quality Control Board
2375 Northside Drive, Suite 100
San Diego, CA 92108

Direct Line: 619/521-3367
Front Desk: 619/516-1990
E-mail: Lisa.Honma@waterboards.ca.gov
Office Website: http://www.waterboards.ca.gov/sandiego/

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Please take the time to fill out our electronic customer service survey
located at http://www.calepa.ca.gov/Customer/ .

-----Original Message-----
From: Galer, Rose A SPL [mailto:Rose.A.Galer@usace.army.mil]
Sent: Tuesday, December 22, 2015 9:56 AM
To: Lehotsky, Genene
Cc: Fisher, Kelly@Wildlife; Deisher, Helene; Matter, Gene; Nazareno, Angela; Honma, Lisa@Waterboards; Vipul Joshi; Rothman, Christine; Guerrero, Meris SPL
Subject: RGP 63 Notice to Proceed for Parkside Channel Maintenance (MMP Map 122) (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Genene-

Please find attached the RGP 63 Notice to Proceed for the Parkside Channel Maintenance Project. A hard copy will

be sent via mail today. Let me know if you have any questions.

Best Regards,
Rose Galer
Project Manager, Carlsbad Field Office
U.S. Army Corps of Engineers, Regulatory Division
5900 La Place Court, Suite 100
Carlsbad, CA 92008
Rose.A.Galer@usace.army.mil
(760) 602-4835 (direct)
(760) 277-5225 (blackberry)
(760) 602-4848 (fax)
(Please note: we do not have out-of-office notifications)

Classification: UNCLASSIFIED
Caveats: NONE

Attachment E

Final Report Form

FINAL REPORT FORM FOR REGIONAL GENERAL PERMIT 63 FOR REPAIR AND PROTECTION ACTIVITIES IN EMERGENCY SITUATIONS (RGP 63)

Instructions for Attachment E

Attachment E must be submitted electronically as a pdf with a valid signature within 45 calendar days of completion of any emergency actions conducted under RGP 63. Attachment E must be submitted to the State Water Resources Control Board (State Water Board) and the applicable Regional Water Quality Control Board (Regional Water Board).

For State Water Board Submittal
Email: Stateboard401@waterboards.ca.gov (Subject: RGP 63)

For the applicable Regional Water Board Submittal
A staff directory that includes contact information for the State and Regional Water Boards is found at:
http://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/staffdirectory.pdf

I. Owner of the Land

Name City of San Diego				
Mailing Address 2781 Caminito Chollas, MS 44				
City San Diego	County San Diego	State CA	Zip 92101	Phone 619-527-7506
Contact Person Gene Matter	Email rmatter@sandiego.gov			

II. Billing Address

Name SAME AS ABOVE				
Mailing Address				
City	County	State	Zip	Phone
Contact Person	Email			

III. Discharger (if different from owner of the land)

Name				
Mailing Address				
City	County	State	Zip	Phone
Contact Person	Email			

IV. Site Location

Street (including address, if any) 6512 Parkside Ave, San Diego, CA 92139

The project was emergency maintenance of a concrete-lined drainage channel located east of Interstate 805, north of State Route 54, in between Rhoades Road and Garber Ave., on the south side of Parkside Ave. within the Skyline-Paradise Hills Community Planning Area, Council District 4.

Nearest cross street(s) Garber Ave.

County: San Diego	Total size of site (acres): 0.61

Latitude/Longitude (Center of Discharge Area) in degrees/minutes/seconds (DMS) to the nearest ½ second
or decimal degrees (DD) to four decimals (0.0001 degree)

DMS: N. Latitude Deg. ___32____ Min. ____40____ Sec. _____12.44_____

W. Longitude Deg. ___117____ Min. ____2____ Sec. _____52.20_____

DD: N. Latitude _____

W. Longitude _____

Attach a map of at least 1:24000 (1" = 2000') detail of the discharge site (e.g., USGS 7.5 minute topographic map).

V. Discharge Information

Subject		Notes
Name(s) and type(s) of receiving waters: Sweetwater River		Receiving water types are: river/streambed, lake/reservoir, ocean/estuary/bay, riparian area, wetland
Identify all regulatory agencies having jurisdiction over this project. Army Corps of Engineers, Regional Water Quality Control Board, California Department of Fish and Wildlife, and City of San Diego		For example: Dept. of Fish and Game Streambed Alteration Agreement, Coastal Commission permit
Project start date: 12/23/2015	Project completion date: 12/26/2015	

Project description:	For example: Discharge of riprap; discharge of fill; excavation for a utility line
The entire length of the channel is trapezoidal and concrete-lined (MMP Map 122; Figure 3). Emergency maintenance was conducted just west of 6555 Parkside Ave. and continued 1,201 feet downstream. The channel ends at the inlet that carries flows west under Garber Ave. The channel expands from a bottom width of 10 to 12 feet to a top width of 35 feet. This maintenance was completed in order to prevent damage to surrounding areas from flooding during heavy storms forecasted as part of the El Niño season. Emergency maintenance of the channel included the removal of all existing vegetation and sediment. Assessment by city crews determined that sediment and exotic vegetation had accumulated upstream along the length of the Parkside Channel and that the large vegetation (i.e., palms) were loosely rooted in small cracks in the concrete lining. This exotic vegetation caused an imminent threat from the high flood risk it posed to properties adjacent and downstream of the channel through an overall reduction in capacity of the channel and the potential clogging of downstream culverts if the large plants/trees were dislodged during heavy rains. Land covers and vegetation removed included 0.45 acres of a developed concrete-lined channel, 0.02 acres of freshwater marsh (concrete-lined), 0.03 acres of disturbed freshwater marsh (concrete-lined),and 0.11 acres of disturbed wetland (palm dominated; concrete-lined). Total impacts to jurisdictional areas were 0.61 acres (1,201 linear feet) of non-wetland waters of the U.S. The Skid Steer, Bobcat, and Loader were the primary tools used to push material within the channel to the Gradall to be removed. Once removed, the material was loaded into dump trucks and taken first to an approved stockpiling location (2130 Monument Rd.) then to the Miramar Landfill for disposal. This equipment accessed the channel from 6512 Parkside Ave. No sandbag berms or pumping equipment were used during maintenance as the channel remained dry during all work. All work was monitored by a qualified biologist and equipment was removed from the site at the end of the project.	

Purpose of the entire activity: The purpose of the project was to remove sediment and loosely anchored vegetation that had built up within the Parkside Channel and was constricting capacity and posing a high risk of clogging downstream culverts. The imminent flood risk was particularly severe for residential properties along Parkside Ave. and included 6374, 6364, and 6357 Parkside Ave., as well as 6405 and 6417 Garber Ave. Assessments by City crews on November 11, 2015 and December 22, 2015 determined that the overall sediment build up in the upstream section of the channel, combined with loosely rooted stands of palms along the length of the channel, were causing severe reduction of channel capacity and high risk of downstream clogging. This increase in the chance of downstream clogging had significantly increased the risk of flooding of adjacent properties. Storm Water engineers also estimated that the channel capacity prior to the maintenance was at a 2-year capacity, whereas, following the maintenance, the channel was returned to 100-year as-built capacity. In addition, with the prediction of an El Niño pattern and heavy winter storms, the City determined that the likelihood of vegetation and sediment being dislodged by heavy rains and clogging downstream culverts was extremely high. Downstream of Garber Ave., storm flows are conveyed through culverts which extend approximately 1,200 linear feet underneath State Route 54.	For example: Stream-bank erosion control. Maintain, repair, or restore damaged property
Map attached? Yes X No □	
Photographs attached? Yes X No □	
Erosion protection measures employed The main project area is a concrete-lined channel that is not subject to erosion. Therefore in-channel maintenance does not require erosion protection measures. Adjacent access/staging areas were located in existing developed areas. Adequate BMPs were placed in those areas to prevent sedimentation and erosion to occur. Work was conducted during dry periods. Additionally, crews set up straw wattles, silt fencing and covered the curved inlet with silt fabric and secured the silt fabric with rock bags.	

Pollution prevention measures employed: The 401 Certification for RGP 63 lists 7 BMP conditions (Section D): 1. Appropriate materials were kept on site to contain potential spills. No spills occurred. 2. Fueling, vehicle maintenance, storage, etc. were located outside of waters of the state and did not result in any discharges. 3. No spills occurred and therefore no notification to the Water Boards was required. 4. All construction materials and debris were removed following completion of the emergency action. 5. The water diversion activities did not result in degradation of beneficial uses. Placement of temporary dams caused little or no siltation. Normal flows were restored to the stream upon completion of work. 6. All necessary BMPs to control erosion and runoff from staging and access areas were employed. No temporary impacts occurred and therefore no restoration is required. 7. No revegetation is required,	
Was compensatory mitigation required? Yes X No □	

Compensatory Mitigation for Impacts during Emergency Project: (Include contact information and type of mitigation i.e. permittee responsible, mitigation bank, in-lieu fee program) (Include area and linear feet) All work was limited to sediment and vegetation within the concrete-lined channel. Vegetation communities that were removed as part of this maintenance included 0.02 acres of freshwater marsh (concrete-lined), 0.03 acres of disturbed freshwater marsh (concrete-lined),and 0.11 acres of disturbed wetland (palm dominated; concrete-lined). There is also an additional 0.45 acre of developed concrete-lined channel at the east end that is not vegetated (i.e. developed concrete-lined channel) and did not require maintenance. The San Diego RWQCB acknowledged the Army Corps of Engineer's RGP 63 authorization for the project in an email from Lisa Honma dated December 22, 2015. The email states: "Consistent with the San Diego Water Board's approach in certifying routine channel maintenance projects and in accordance with section VI of Clean Water Act Section 401 Water Quality Certification for U.S. Army Corps of Engineers Reauthorization of Regional General Permit 63 for Repair and Protection Activities in Emergency Situations, SB13006IN (RGP-63 Certification), the City of San Diego will be required to provide compensatory mitigation for permanent impacts that result in a loss of functions in the amount of 2:1 (area mitigated:area impacted) in wetland enhancement for the removal of freshwater marsh and wetland. No compensatory mitigation will be required for the removal of sediment from unvegetated stream channel." As such, a subsequent mitigation plan or purchase of approved mitigation credits totaling 0.10 acres is required to be submitted to the San Diego RWQCB for impacts 0.02 acres of freshwater marsh (concrete-lined) and 0.03 acres of disturbed freshwater marsh (concrete-lined). Contact information and details regarding the mitigation site/credits will be provided to the San Diego RWQCB. It should be noted that since the San Diego RWQCB has required mitigation for "**permanent impacts"** of the project, the City requests that the San Diego RWQCB provide written acknowledgment that the required mitigation is adequate to mitigate any future maintenance of this channel that results in similar loss of functions (i.e., vegetation and sediment removal within the same maintenance footprint).	

Fill and Excavation Discharges: For each water body type listed below indicate in ACRES the area of the discharge to waters of the state, and identify the impact(s) as permanent and/or temporary. For linear discharges to drainage features and shorelines, e.g., bank stabilization, revetment, and channelization projects, ALSO specify the length of the proposed discharge to waters of the state IN FEET. For dredging activity, indicate total amount of dredged material for the project in cubic yards under permanent impacts.

Water Body Type	Permanent Impact			Temporary Impact		
	Acres	Cubic Yards	Linear Feet	Acres	Cubic Yards	Linear Feet
Lake/Reservoir						

Ocean/Estuary/Bay						
Riparian Zone						
Stream Channel				0.61		1,201
Vernal Pool						
Wetland						

VI. CERTIFICATION

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

Signature of Discharger	Title
	Assistant Deputy Director
Printed or Typed Name	Date
Gene Matter	2/10/16

VIA DE LA BANDOLA CHANNEL (MMP MAP 130A)

ACOE RGP 63 Authorization
RWQCB 401 Certification Email (None)
RWQCB Attachment E

DEPARTMENT OF THE ARMY
LOS ANGELES DISTRICT, U.S. ARMY CORPS OF ENGINEERS
5900 LA PLACE COURT, SUITE 100
CARLSBAD, CALIFORNIA 92008

November 23, 2015

Gene Matter
City of San Diego
Transportation & Storm Water Department
2781 Caminito Chollas MS 44
San Diego, California 92108

DEPARTMENT OF THE ARMY

Dear Mr. Matter:

I am responding to your request (SPL-2015-00850-RAG) for a Department of the Army permit for your proposed project, Via de la Bandola Channel Maintenance. The proposed project is located in the City of San Diego, San Diego County, California, at Latitude 32.59766° N and Longitude -117.00079° W.

Because this project would result in a discharge of dredged and/or fill material into waters of the United States a Department of the Army permit is required pursuant to Section 404 of the Clean Water Act (33 USC 1344; 33 CFR parts 323 and 330).

I have determined construction of your proposed project, if constructed as described in your application, would comply with Regional General Permit (RGP) No. 63, Repair and Protection Activities in Emergency Situations. Specifically, and as shown in the enclosed figures, you are authorized to place fill, consisting of a sand bag berm approximately 2.5 feet wide, 3 feet high and 6 feet long into the concrete-lined Via de la Bandola channel during maintenance activities. The total amount of fill results in approximately 45 square feet (0.001 acre) of temporary impacts. The sand bag berm will be removed within one week of completed work.

For this RGP verification letter to be valid, you must comply with all of the terms and conditions of RGP No. 63, Repair and Protection Activities in Emergency Situations, available at http://www.spl.usace.army.mil/Missions/Regulatory/RegionalGeneralPermits.aspx.

A general permit does not grant any property rights or exclusive privileges. Also, it does not authorize any injury to the property or rights of others or authorize interference with any existing or proposed Federal project. Furthermore, it does not obviate the need to obtain other Federal, State, or local authorizations required by law.

Thank you for participating in the regulatory program. If you have any questions, contact Rose Galer at 760-602-4835 or via e-mail at Rose.A.Galer@usace.army.mil. Please help me to evaluate and improve the regulatory experience for others by completing the customer survey form at http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey.

Sincerely,

Corice Farrar
Chief, Orange & Riverside Counties Section
South Coast Branch
Regulatory Division

Enclosure

Master Legend for Vegetation/Wetland Delineation Maps 1-172

CITY OF SAN DIEGO MASTER STORMWATER SYSTEM MAINTENANCE PROGRAM

LEGEND

Wetlands*

- Southern Riparian Forest
- Southern Riparian Forest-Disturbed
- Southern Sycamore Riparian Woodland
- Southern Sycamore Riparian Woodland-Disturbed
- Southern Willow Scrub
- Southern Willow Scrub-Disturbed
- Mule Fat Scrub
- Mule Fat Scrub-Disturbed
- Riparian Scrub
- Freshwater Marsh
- Freshwater Marsh-Disturbed
- Cismontane Alkali Marsh
- Cismontane Alkali Marsh-Disturbed
- Southern Coastal Salt Marsh
- Coastal Brackish Marsh
- Disturbed Wetland
- Open Water+
- Streambed+
- Corps Non-Wetland WUS (earthen-bottom)
- Corps Non-Wetland WUS (concrete-lined)
- Corps Wetland

Uplands

Tier II

- Diegan Coastal Sage Scrub
- Diegan Coastal Sage Scrub-Disturbed

Tier IIIA

- Southern Mixed Chaparral
- Southern Mixed Chaparral - Disturbed

Tier IIIB

- Non-native Grassland

Tier IV

- Eucalyptus Woodland
- Non-native Vegetation/Ornamental
- Disturbed Habitat/Ruderal
- Developed (Includes unvegetated concrete-lined channels)

+Includes areas regulated by the City as Natural Flood Channels

Sensitive Resources

Am	Singlewhorl burrobush *(Ambrosia monogyra)*
Ih	San Diego marsh-elder *(Iva hayesiana)*
Ja	Southwestern spiny rush *(Juncus acutus* ssp *leopoldii)*
Vl	San Diego sunflower *(Viguiera laciniata)*
NOHA	Northern harrier *(Circus cyaneus)*
YEWA	Yellow warbler *(Dendroica petechia)*
LBHE	Little blue heron *(Egretta caerulea)*
SWWF	Southwestern willow flycatcher *(Empidonax traillii extimus)*
CAGN	Coastal Califonia gnatcatcher *(Polioptila californica californica)*
LFCR	Light-footed clapper rail *(Rallus longirostris levipes)*
LBV	Least Bell's vireo *(Vireo bellii pusillus)*
YBCH	Yellow-breasted chat *(Icteria virens)*
SDFS	San Diego fairy shrimp *(Branchinecta sandiegonensis)*
▲	Raptor nest

Yellow text = USFWS database record
Blue text = Critical habitat USFWS

City Stormwater Facilities

- Facility Study Area
- Access Area
- Staging Area

I:\ArcGIS\S\SDM-01 StormDrainMaintenance\Map\BIO\VegMaps\BTR_020211\Legend_8X11.mxd -RK

HELIX

DRAFT

SR-905 WB

SR-905 EB

Via De La Bandola

Via De La Melodia

N

80 40 0 80

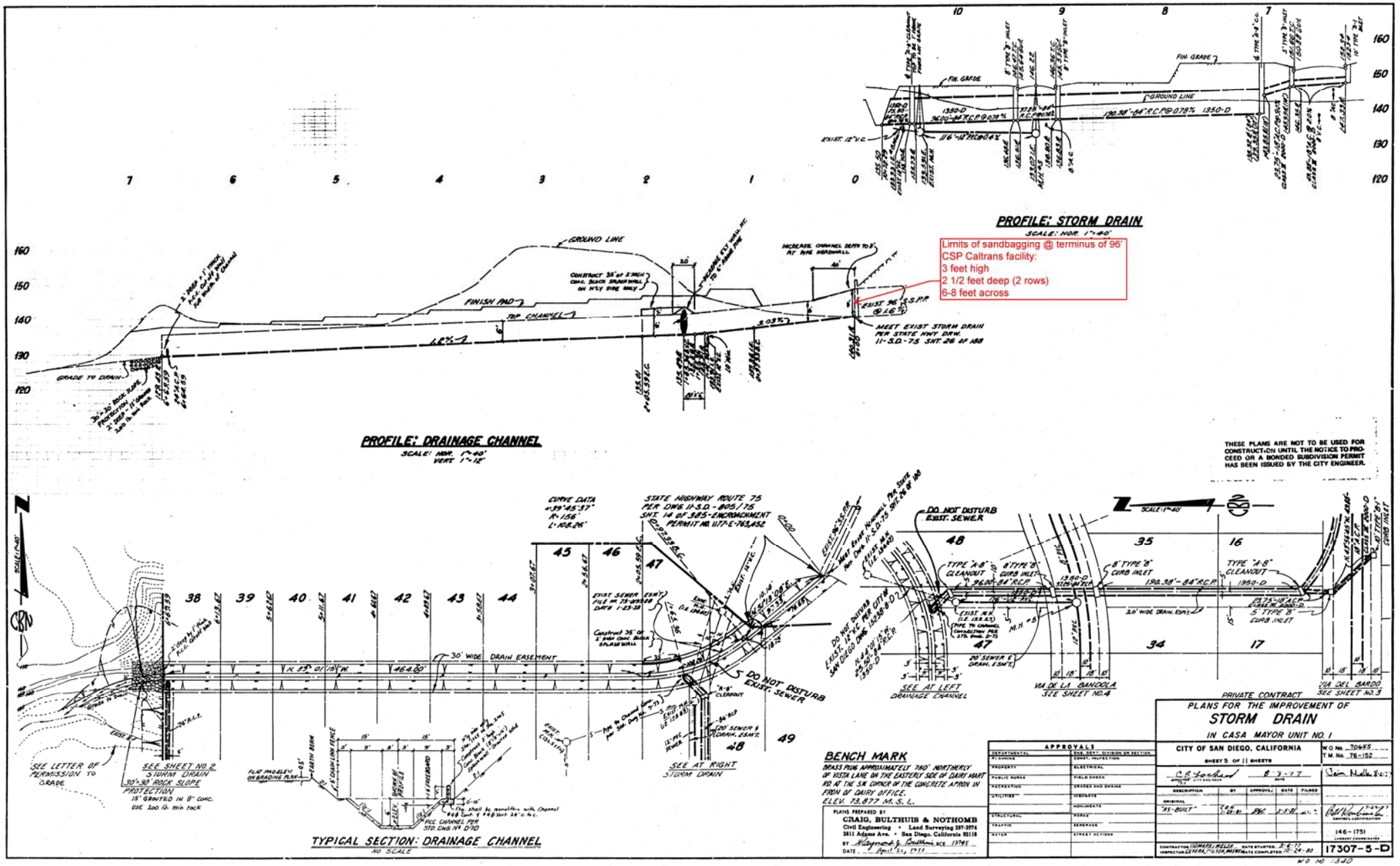
Feet

I:\PROJECTS\S\SDM\SDM-01_StormDrainMaintenance\Map\ENV\MMP_Amendment\Map130a_VegMap.mxd -CL

DRAFT

Vegetation/Wetland Delineation - Maps 130a

CITY OF SAN DIEGO MASTER STORMWATER SYSTEM MAINTENANCE PROGRAM



BENCH MARK

BRASS PLUG APPROXIMATELY 760' NORTHERLY OF VISTA LANE ON THE EASTERLY SIDE OF DAIRY MART RD. AT THE S.W. CORNER OF THE CONCRETE APRON IN FRON OF DAIRY OFFICE.
ELEV. 73.877 M.S.L.

PLANS PREPARED BY
CRAIG, BULTHUIS & NOTHOMB
Civil Engineering • Land Surveying 297-3074
2611 Adams Ave. • San Diego, California 92116
BY Raymond J. Bulthuis RCE 13791
DATE April 24, 1977

APPROVALS	
DEPARTMENTAL	ENG. DEPT. DIVISION OR SECTION
PLANNING	CONST. INSPECTION
PROPERTY	ELECTRICAL
PUBLIC WORKS	FIELD CHECK
RECREATION	GRADES AND DRAINS
UTILITIES	HIGHWAYS
	MONUMENTS
STRUCTURAL	PARKS
TRAFFIC	SEWERAGE
WATER	STREET ACTIONS

PLANS FOR THE IMPROVEMENT OF
STORM DRAIN
IN CASA MAYOR UNIT NO. 1

CITY OF SAN DIEGO, CALIFORNIA
SHEET 5 OF 11 SHEETS

W.O. No. 70655
T.M. No. 76-152

C.E. Gotchall — 8-3-77
Chas. Mullen 8-2-77

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL				
"AS-BUILT"	C.E.G. 10-28-81	PKC	2-2-91	

7-2-91
SURVEY'S CERTIFICATION

146-1751
LAMBERT COORDINATES

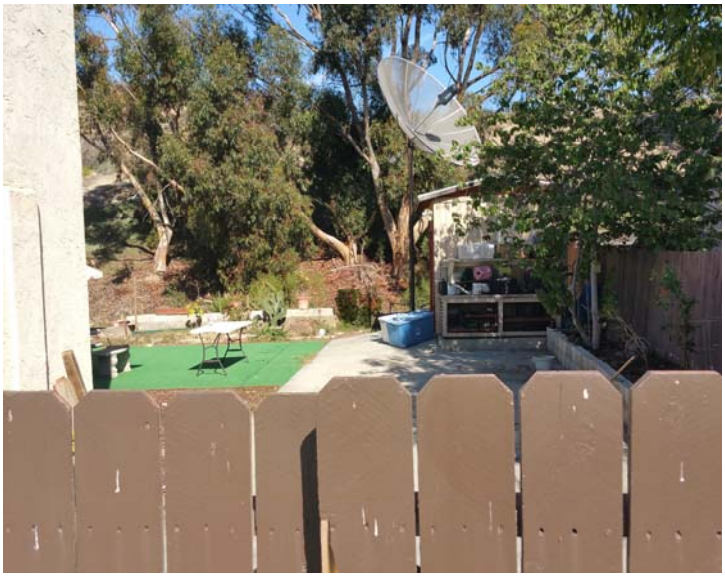
CONTRACTOR EDWARDS WELLS DATE STARTED 3-16-77
INSPECTOR GENERAL FILING FOR RECORD DATE COMPLETED 10-24-80

17307-5-D

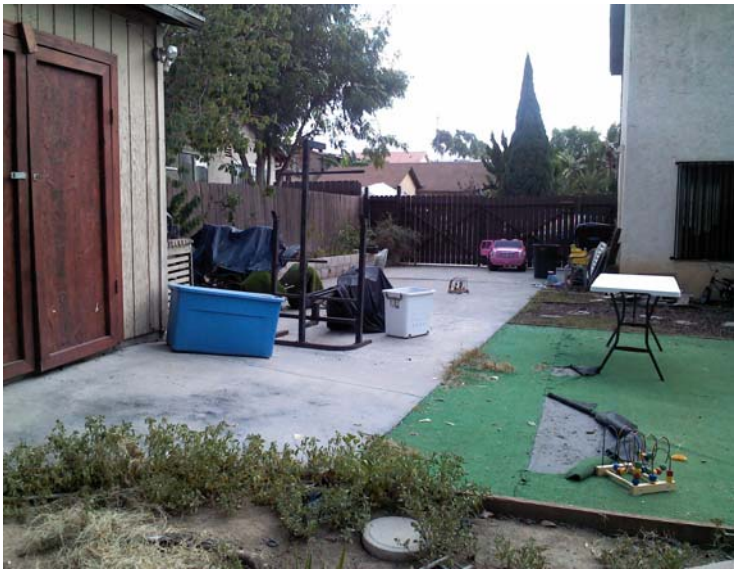
W.O. NO. 1340

Transportation & Storm Water Department
Storm Water Division/Operations & Maintenance
Emergency Maintenance Project - Via de la Bandola Drainage Channel

PROJECT SITE PHOTOGRAPHS – 11.10.15

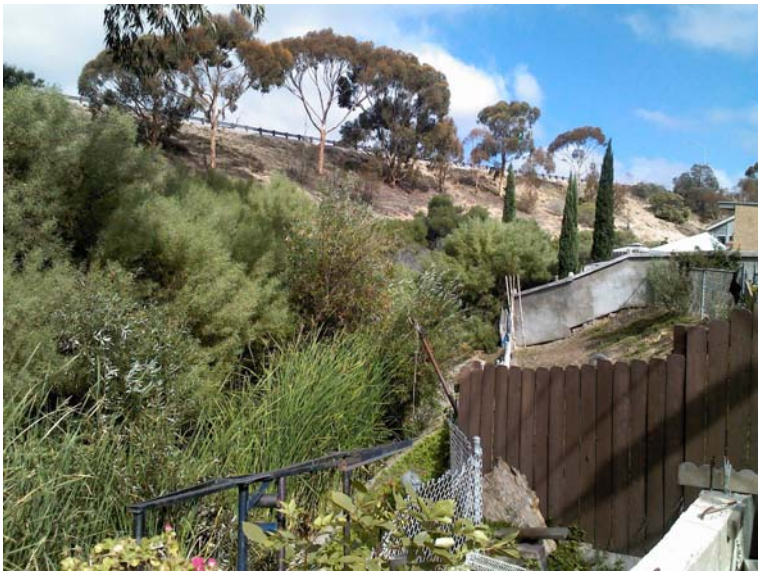


Photograph 1: Equipment access looking north from 4004 Via de la Bandola.



Photograph 2: Equipment access looking south from 4004 Via de la Bandola.

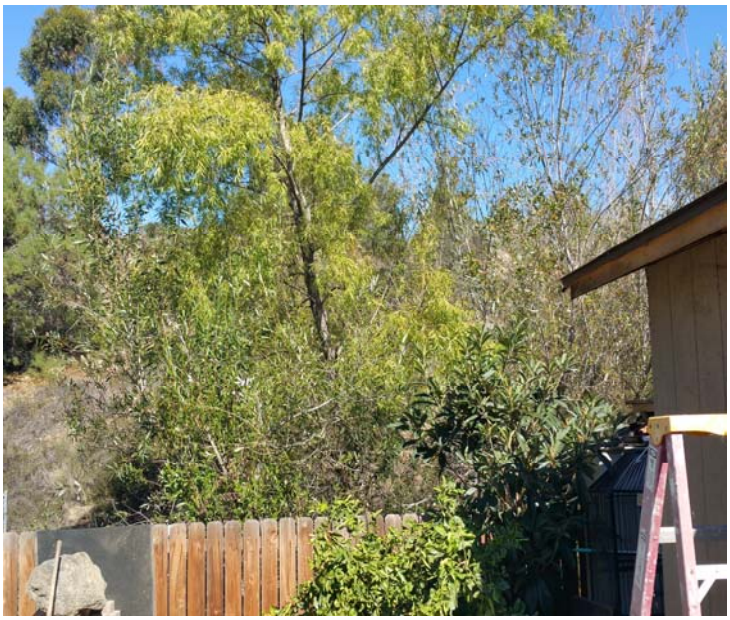
Photograph 3: Channel from equipment access looking west along channel from 4004 Via de la Bandola.



Photograph 4: Channel from equipment access looking east along channel from 4004 Via de la Bandola.

Photograph 5: On the north side of the channel looking south to 3094 Via de la Bandola – This photo was taken on 12.3.14. The leaning tree has been observed by the crews to have worsened over time.

Photograph 6: On the north side of the channel looking south to 3094 Via de la Bandola – This photo was taken on 11.10.15. As can be seen the leaning tree has worsened over time.



Photograph 7: Looking north in a resident's backyard at 3094 Via de la Bandola – As noted above, the leaning tree has been observed by the crews to have worsened over time.

Photograph 8: Looking west in the channel to the culvert. 3094 Via de la Bandola is located above on the left.

Photograph 9: On the north side of the channel looking south to 3094 Via de la Bandola and the culvert.

Attachment E

Final Report Form

FINAL REPORT FORM FOR REGIONAL GENERAL PERMIT 63 FOR REPAIR AND PROTECTION ACTIVITIES IN EMERGENCY SITUATIONS (RGP 63)

Instructions for Attachment E

Attachment E must be submitted electronically as a pdf with a valid signature within 45 calendar days of completion of any emergency actions conducted under RGP 63. Attachment E must be submitted to the State Water Resources Control Board (State Water Board) and the applicable Regional Water Quality Control Board (Regional Water Board).

For State Water Board Submittal
Email: Stateboard401@waterboards.ca.gov (Subject: RGP 63)

For the applicable Regional Water Board Submittal
A staff directory that includes contact information for the State and Regional Water Boards is found at: http://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/staffdirectory.pdf

I. Owner of the Land

Name City of San Diego				
Mailing Address 2781 Caminito Chollas, MS 44				
City San Diego	County San Diego	State CA	Zip 92101	Phone 619-527-7506
Contact Person Gene Matter	Email rmatter@sandiego.gov			

II. Billing Address

Name SAME AS ABOVE				
Mailing Address				
City	County	State	Zip	Phone
Contact Person	Email			

III. Discharger (if different from owner of the land)

Name				
Mailing Address				
City	County	State	Zip	Phone
Contact Person	Email			

IV. Site Location

Street (including address, if any) Via de la Bandola

The project is located in a reach of a concrete-lined storm water channel north of Via de la Bandola, in the San Ysidro neighborhood of San Diego (Figure 1). The project site is east of Interstate 5, west of Interstate 805, and south of State Route (SR) 905 (Figure 2). The channel reach is separated from Via de la Bandola by private residences, and sits at the toe of a manufactured slope associated with the SR 905 embankment. The reach begins at a concrete box culvert outlet under SR 905 and ends approximately 600 feet to the west at a concrete box culvert inlet underneath houses on Via de la Bandola at the intersection of Via de la Melodia.

Nearest cross street(s) Via de la Melodia

County: San Diego	Total size of site (acres): 0.21

Latitude/Longitude (Center of Discharge Area) in degrees/minutes/seconds (DMS) to the nearest ½ second
or decimal degrees (DD) to four decimals (0.0001 degree)

DMS: N. Latitude Deg. 32 Min. 34 Sec. 2.608

W. Longitude Deg. 117 Min. 2 Sec. 54.613

DD: N. Latitude _____

W. Longitude _____

Attach a map of at least 1:24000 (1" = 2000') detail of the discharge site (e.g., USGS 7.5 minute topographic map).

V. Discharge Information

Subject		Notes
Name(s) and type(s) of receiving waters: Unnamed tributary to Tijuana River		Receiving water types are: river/streambed, lake/reservoir, ocean/estuary/bay, riparian area, wetland
Identify all regulatory agencies having jurisdiction over this project. Army Corps of Engineers, Regional Water Quality Control Board, and California Department of Fish and Wildlife		For example: Dept. of Fish and Game Streambed Alteration Agreement, Coastal Commission permit
Project start date: 11/25/2015	Project completion date: 12/06/2015	

Project description: Emergency maintenance included the removal of all existing vegetation and sediment within a trapezoidal concrete-lined channel that extends approximately 670 feet with a bottom width of 6 feet and a top width of 24 feet. On November 25, 2015, emergency crews began the removal work and the channel was completed and fully cleared on December 6, 2015. A Bobcat was used to push material within the channel to an Excavator staged outside of the channel behind 4004 Via de la Bandola. The Excavator then loaded dump trucks that hauled the material off to the approved disposal site. A Vactor truck was used, as necessary, at the downstream end of the work areas to prevent any water from leaving the project site. Sand bags were also used to catch flows and prevent them from entering channel work area. Pumps were used to bypass water out of or around maintenance work activities.	For example: Discharge of riprap; discharge of fill; excavation for a utility line
Purpose of the entire activity: The purpose of the project was to remove sediment and vegetation that had accumulated within the channel and was posing an imminent threat to adjacent properties during heavy storm events. The south side of the channel abuts private residences that have experienced and reported flooding during past rain events. Given the condition of the concrete-lined channel with the prediction of El Nino storms and heavy winter flooding, the City of San Diego determined the properties adjacent to the Via de la Bandola channel were under imminent threat of potential severe damage from storm flows. Assessments by City crews during the first week of November 2015 determined the overall sediment build up combined with dense stands of vegetation in the channel was causing severe reduction of channel capacity. This deterioration of conditions within the channel exacerbated the risk of clogging the downstream culvert and significantly increased the risk of flooding of adjacent properties. Some vegetation that had established in the concrete-lined channel had weakened and was under a high risk of breaking loose during storms and cause clogging of downstream culverts, resulting in flooding of the surrounding residents' homes. Removing only the downstream portion of vegetation and sediment would have only broken up the overall vegetative structure in the channel and encouraged sloughing, further increasing the risk of flooding imminent during what is forecasted to be an above-average rainfall year caused by El Nino weather patterns.	For example: Stream-bank erosion control. Maintain, repair, or restore damaged property
Map attached? Yes X No □	
Photographs attached? Yes X No □	
Erosion protection measures employed The main project area is a concrete-lined channel that is not subject to erosion. Therefore in-channel maintenance does not require erosion protection measures. Adjacent access/staging areas were located in existing developed areas. Adequate BMPs were placed in those areas to prevent sedimentation and erosion to occur. Also work was conducted during dry periods.	

Pollution prevention measures employed The 401 Certification for RGP 63 lists 7 BMP conditions (Section D): 1. Appropriate materials were kept on site to contain potential spills. No spills occurred. 2. Fueling, vehicle maintenance, storage, etc. were located outside of waters of the state and did not result in any discharges. 3. No spills occurred and therefore no notification to the Water Boards was required. 4. All construction materials and debris were removed following completion of the emergency action. 5. The water diversion activities did not result in degradation of beneficial uses. Placement of temporary dams caused little or no siltation. Normal flows were restored to the stream upon completion of work. 6. All necessary BMPs to control erosion and runoff from staging and access areas were employed. No temporary impacts occurred and therefore no restoration is required. 7. No revegetation is required,	
Was compensatory mitigation required? Yes X No □	
Compensatory Mitigation for Impacts during Emergency Project (Include contact information and type of mitigation i.e. permittee responsible, mitigation bank, in-lieu fee program) (Include area and linear feet) Vegetation communities that were removed as part of this maintenance included 0.09 acre of southern willow scrub and 0.10 acre of disturbed freshwater marsh (570 linear feet). There was an additional 0.02 acre of non-native vegetation (i.e. disturbed land) (50 linear feet) on the eastern end of the maintenance area that was cleared. There is also an additional 0.02 acre of developed concrete-lined channel at the east end that is not vegetated (i.e. developed concrete-lined channel) and did not require maintenance. The San Diego RWQCB acknowledged the Army Corps of Engineer's RGP 63 authorization for the project in an email from Lisa Honma dated November 23, 2015. The email states: "Consistent with the San Diego Water Board's approach in certifying routine channel maintenance projects and in accordance with section VI of Clean Water Act Section 401 Water Quality Certification for U.S. Army Corps of Engineers Reauthorization of Regional General Permit 63 for Repair and Protection Activities in Emergency Situations, SB13006IN (RGP-63 Certification), the City of San Diego will be required to provide compensatory mitigation for permanent impacts that result in a loss of functions in the amount of 2:1 (area mitigated:area impacted) in wetland enhancement for the removal of southern willow scrub and freshwater marsh. No compensatory mitigation will be required for the removal of non-native vegetation." As such, a subsequent mitigation plan or purchase of approved mitigation credits totaling 0.38 ac are required to be submitted to the San Diego RWQCB for impacts to 0.10 ac of freshwater marsh-concrete-lined and 0.09 ac of southern willow scrub-concrete-lined. Contact information and details regarding the mitigation site/credits will be provided to the San Diego RWQCB. It should be noted that since the San Diego RWQCB has required mitigation for "**permanent impacts**" of the project, the City requests that the San Diego RWQCB provide written acknowledgment that the required mitigation is adequate to mitigate any future maintenance of this channel that results in similar loss of functions (i.e., vegetation and sediment removal within the same maintenance footprint).	

Fill and Excavation Discharges: For each water body type listed below indicate in ACRES the area of the discharge to waters of the state, and identify the impact(s) as permanent and/or temporary. For linear discharges to drainage features and shorelines, e.g., bank stabilization, revetment, and channelization projects, ALSO specify the length of the proposed discharge to waters of the state IN FEET. For dredging activity, indicate total amount of dredged material for the project in cubic yards under permanent impacts.

Water Body Type	Permanent Impact			Temporary Impact		
	Acres	Cubic Yards	Linear Feet	Acres	Cubic Yards	Linear Feet
Lake/Reservoir						
Ocean/Estuary/Bay						
Riparian Zone						
Stream Channel	0.02	75	50			
Vernal Pool						
Wetland	0.19	918	570			

VI. CERTIFICATION

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

Signature of Discharger	Title Assistant Deputy Director
Printed or Typed Name Gene Matter	Date 1/20/2016

NESTOR CHANNEL
(MMP MAP 134)

ACOE RGP 63 Authorization
RWQCB 401 Certification Email
RWQCB Attachment E

DEPARTMENT OF THE ARMY
LOS ANGELES DISTRICT, U.S. ARMY CORPS OF ENGINEERS
5900 LA PLACE COURT, SUITE 100
CARLSBAD, CALIFORNIA 92008

January 25, 2016

Ms. Catherine Rom
City of San Diego
Storm Water Division
2781 Caminito Chollas, MS 44
San Diego, California 92105

DEPARTMENT OF THE ARMY REGIONAL GENERAL PERMIT NO. 63

Dear Ms. Rom:

I am responding to your request (SPL-2016-00011-MBT) for a Department of the Army permit for your proposed project, Nestor Creek Channel Maintenance, located 0.07 miles west of Thermal Ave, on the north side of 1760 Palm Ave, Parcel 627-080-06-00, City of San Diego, San Diego County, California (Latitude 32.58499°N and Longitude -117.096°W). (Figures 1 and 2). The proposed work would include the removal of sediment and vegetation from a 65 foot long section of earthen channel on the north side of 1760 Palm Ave, as shown in Figure 3. The staging and access for the excavation work would occur through the western end of Cedar Street, from the north side of the project location. Excavators will work in the channel to push the material to the northern access/staging area where it will be scooped into trucks to be transported to 2130 Monument Road for temporary storage until it is ready for disposal at Miramar Landfill. All work will be monitored by a qualified biologist. A sandbag berm and water pump may be installed within the channel in order to divert flow. Machines may be used to remove water from ponding areas. Existing land cover and vegetation to be impacted consists of 0.02 acres of disturbed freshwater marsh.

Because this project would result in a discharge of dredged and/or fill material into waters of the United States, a Department of the Army permit is required pursuant to Section 404 of the Clean Water Act (33 USC 1344; 33 CFR parts 323 and 330).

I have determined construction of your proposed project, if constructed as described in your application, would comply with Regional General Permit (RGP) No. 63 - Repair and Protection Activities in Emergency Situations. Specifically, and as shown in Figure 3, you are authorized to:

1. Permanently impact approximately 0.02 acre (65 linear feet) of wetland waters of the U.S. (disturbed freshwater marsh) within the earthen-lined section of Nestor Creek by excavating accumulated sediment and vegetation estimated to be 62 cubic yards of material.
2. Temporarily impact 0.002 acre of non-wetland waters of the U.S. of Nestor Creek by placing fill consisting of a sand bag berm approximately 3 feet high, 2 ½ feet deep (2 rows) and 28 feet across (bottom width of concrete channel immediately upstream of the

rows) and 28 feet across (bottom width of concrete channel immediately upstream of the work area) during maintenance activities to prevent upstream flows from entering the work area.

For this RGP verification letter to be valid, you must comply with **all of the terms and conditions of RGP No. 63** - Repair and Protection Activities in Emergency Situations, available at http://www.spl.usace.army.mil/Missions/Regulatory/RegionalGeneralPermits.aspx. **Furthermore, you must comply with the following non-discretionary Special Conditions:**

1. The work authorized by this RGP must be underway no later than fourteen (14) calendar days from date of issuance of this letter of verification. All work must be completed by March 14 of this year to avoid the light-footed Ridgway's rail (Ridgway's rail) (*Rallus obsoletus levipes*) nesting season. If the Permittee is unable to begin the authorized work within 14 days, the Permittee must request, in writing, an extension from the U.S. Army Corps of Engineers (Corps) Regulatory Division prior to the deadline.

2. Channel clearing shall start on the upstream eastern edge of the project area and progress to the west. The sandbag berm and all equipment shall be removed within one week of completed work.

3. All work shall be monitored by a qualified biologist knowledgeable of Ridgway's rail biology and ecology (biologist) who will be responsible for overseeing compliance with the conservation measures outlined in this Special Condition and Special Condition 4 for the Ridgway's rail. The biologist shall be approved by the U.S. Fish and Wildlife Service and the Corps (Agencies). The City shall submit the biologist's name, address, telephone number, and work schedule on the project to the Agencies prior to initiating project impacts. The biologist will be responsible for the following duties:
    a. Be on site during work to ensure compliance with all conservation measures;
    b. Before each workday begins, check to see if Ridgway's rails have entered the project impact footprint;
    c. If any Ridgway's rails are found within the project impact footprint, the biologist will direct activities to begin in an area away from the Ridgway's rails. In addition, the biologist will walk ahead of equipment to flush birds towards downstream channel. It will be the responsibility of the biologist to ensure that Ridgway's rails will not be injured or killed by project implementation. The biologist will also record the number and location of Ridgway's rails observed in the project area.
    d. Train all contractors and construction personnel on the biological resources associated with this project and measures to protect those resources. At a minimum, training will include: 1) the purpose for resource protection; 2) a description of the Ridgway's rail and its habitat; 3) the conservation measures to be implemented during project construction to avoid and minimize impacts to the Ridgway's rail and its habitat, (i.e. limiting activities, equipment, and construction materials within the project footprint to avoid sensitive resource areas); 4) environmentally responsible construction practices in Special Condition 4; 5) the protocol to resolve conflicts that may arise at any time during the construction process;
    e. Halt work, if necessary, for any project activities that are not in compliance with the conservation measures in Special Condition 4 and 5. The biologist will report

confer with the Agencies to ensure the proper implementation of species and habitat protection measures;

f. In addition to the final reporting information outlined in Condition 7, the Permittee shall provide a report documenting compliance with conservation measures (Special Conditions 3 and 4), results of biological monitoring and the footprint of impact and access areas to the Agencies within 45 days of project completion.

4. The Permittee shall ensure that the following environmentally responsible practices are implemented during project construction:

a. Contractors and construction personnel will strictly limit their activities, vehicles, equipment, and construction materials to the project footprint;

b. The project site will be kept as clean of debris as possible. All food-related trash items will be enclosed in sealed containers and regularly removed from the site;

c. All equipment maintenance, staging, and dispensing of fuel, oil, coolant, or any other such activities will occur in designated areas outside of waters of the United States within the access and staging areas. These designated areas will be located in previously compacted and disturbed areas to the maximum extent practicable in such a manner as to prevent any runoff from entering waters of the United States, and will be shown on the construction plans. Fueling of equipment will take place within existing paved areas greater than 100 feet from waters of the United States. Contractor equipment will be checked for leaks prior to operation and repaired as necessary. "No-fueling zones" will be designated on construction plans;

d. No work shall occur at night.

5. As directed in RGP No. 63, any work authorized by this RGP must be the minimum necessary to alleviate the immediate emergency, unless complete reconstruction does not result in significantly increased impacts to aquatic resources and logistical concerns indicate such reconstruction is as expedient considering the condition of the project site and is limited to in-kind replacement or refurbishment.

6. The Permittee shall submit a mitigation proposal for impacts to waters of the U.S. or justification for why this is not necessary according to Section VI of Regional General Permit Number 63. The mitigation plan shall include, specifically, consideration of the 0.02 acre of permanent impact to waters of the U.S. (freshwater marsh).

7. As directed in RGP No. 63, you shall provide a written report to this office (within 45 days of completing the project) after completion of any action conducted under this RGP. **PROVIDING THIS REPORT IS MANDATORY**. At a minimum the Report shall include the following:

g. The name, address, and telephone number of the applicant and the applicant's agent (if appropriate).

h. Full description of the activity including:

i. Description of the emergency and the potential for loss of life or property;

ii. Purpose of the activity;

iii. Final goal of the entire activity;

iv. Location (e.g., latitude/longitude or UTM coordinates; section/township/range on appropriate USGS topographic map; Thomas Guide map, or other source to accurately portray project location);
v. Size and description of project area (include maps or drawings showing the areal and lineal extent of the project, and pre- and post-construction photographs); and
vi. Quantities of materials used.

i. Information on receiving waterbody impacted including:
   i. Name of waterbody;
   ii. Type of receiving waterbody (e.g., river/streambed, lake/reservoir, ocean/estuary/bay, riparian area, wetland type, etc.);
   iii. Temporary/permanent adverse impact(s) in acres/cubic yards/linear feet;
   iv. Compensatory mitigation in acres/cubic yards/linear feet; and
   v. Other mitigation steps (to avoid, minimize, compensate).

j. Information on federally listed or proposed endangered species or designated or proposed critical habitat including:
   i. Temporary/permanent adverse impacts;
   ii. Compensatory mitigation; and
   iii. Other mitigation steps (to avoid, minimize, compensate).

A general permit does not grant any property rights or exclusive privileges. Also, it does not authorize any injury to the property or rights of others or authorize interference with any existing or proposed Federal project. Furthermore, it does not obviate the need to obtain other Federal, State, or local authorizations required by law.

Thank you for participating in the regulatory program. If you have any questions, please contact Melanie Tymes at 760-602-4841 or via e-mail at Melanie.B.Tymes@usace.army.mil. Please help me to evaluate and improve the regulatory experience for others by completing the customer survey form at http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey.

Sincerely,

SANTULLI.SHANTI.ABICHANDANI.1298955284

Digitally signed by SANTULLI.SHANTI.ABICHANDANI.1298955284
DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=SANTULLI.SHANTI.ABICHANDANI.1298955284
Date: 2016.01.25 12:59:00 -08'00'

Shanti Abichandani Santulli
Acting Team Lead
South Coast Branch

Enclosures

Sandoval, Vanessa

From: Rothman, Christine
Sent: Wednesday, March 16, 2016 4:48 PM
To: Whitney, Travis
Subject: FW: Nestor Creek Notice to Proceed- SPL-2016-00011-MBT

-----Original Message-----
From: Rothman, Christine
Sent: Wednesday, February 10, 2016 4:30 PM
To: 'Honma, Lisa@Waterboards' <Lisa.Honma@waterboards.ca.gov>; Monji, Alan@Waterboards <Alan.Monji@waterboards.ca.gov>
Cc: Rom, Catherine <CRom@sandiego.gov>
Subject: RE: Nestor Creek Notice to Proceed- SPL-2016-00011-MBT

Thanks, Lisa! The crews started on time. Cat or I will confirm with them as to the final date of work and let you know.

Christine Rothman, AICP
Development Project Manager III
City of San Diego | Transportation & Stormwater|Operations & Maintenance
2781 Caminito Chollas, MS#44 | San Diego, CA 92105 | office: (619) 527.3470

Correspondents should assume that all communication to or from this address is recorded and may be reviewed by third parties.
-----Original Message-----
From: Honma, Lisa@Waterboards [mailto:Lisa.Honma@waterboards.ca.gov]
Sent: Wednesday, February 10, 2016 4:01 PM
To: Rothman, Christine <CRothman@sandiego.gov>; Monji, Alan@Waterboards <Alan.Monji@waterboards.ca.gov>
Subject: RE: Nestor Creek Notice to Proceed- SPL-2016-00011-MBT

Hey Christine, It looks like State Board made the project active (i.e., enrolled) on 1/9/2016. You can use the following identifier: R9-2016-0044;821320;lhonma

Is the project work been completed? I have a note saying that work was expected to start on 2/5/2016.

Thanks, Lisa

-----Original Message-----
From: Rothman, Christine [mailto:CRothman@sandiego.gov]
Sent: Wednesday, February 10, 2016 3:54 PM
To: Honma, Lisa@Waterboards; Monji, Alan@Waterboards
Subject: RE: Nestor Creek Notice to Proceed- SPL-2016-00011-MBT

Hi Alan and Lisa,

Can one of you confirm this was added to the database? Is there a number that goes with it?

Thanks,

Christine Rothman, AICP
Development Project Manager III
City of San Diego | Transportation & Stormwater|Operations & Maintenance
2781 Caminito Chollas, MS#44 | San Diego, CA 92105 | office: (619) 527.3470

Correspondents should assume that all communication to or from this address is recorded and may be reviewed by third parties.
-----Original Message-----
From: Rothman, Christine
Sent: Monday, February 01, 2016 12:26 PM
To: 'Becker, Eric@Waterboards' <Eric.Becker@waterboards.ca.gov>; Honma, Lisa@Waterboards <Lisa.Honma@waterboards.ca.gov>; Monji, Alan@Waterboards <Alan.Monji@waterboards.ca.gov>
Cc: Whitney, Travis <TWhitney@sandiego.gov>; vjoshi@dudek.com; Rom, Catherine <CRom@sandiego.gov>; Bruce McIntyre <BruceM@helixepi.com>
Subject: RE: Nestor Creek Notice to Proceed- SPL-2016-00011-MBT

Thanks, Eric.

In case this helps, the Nestor Creek Map 134 is where the emergency is located and where we have RGP 63 approval. We would like confirmation that we've been added to the State data base.

Nestor Creek Map 131 is the repair work that we plan to do OUTSIDE but directly adjacent to a concrete channel. We sent this along for your information. We plan to proceed with the work.

If you have any questions, please contact me.

Thanks,

Christine Rothman, AICP
Development Project Manager III
City of San Diego | Transportation & Stormwater|Operations & Maintenance
2781 Caminito Chollas, MS#44 | San Diego, CA 92105 | office: (619) 527.3470

Correspondents should assume that all communication to or from this address is recorded and may be reviewed by third parties.
-----Original Message-----
From: Becker, Eric@Waterboards [mailto:Eric.Becker@waterboards.ca.gov]
Sent: Monday, February 01, 2016 9:42 AM
To: Rothman, Christine <CRothman@sandiego.gov>; Honma, Lisa@Waterboards <Lisa.Honma@waterboards.ca.gov>; Monji, Alan@Waterboards <Alan.Monji@waterboards.ca.gov>
Cc: Whitney, Travis <TWhitney@sandiego.gov>; vjoshi@dudek.com; Rom, Catherine <CRom@sandiego.gov>
Subject: RE: Nestor Creek Notice to Proceed- SPL-2016-00011-MBT

Hi Christine-

All these projects are starting to blend together. Especially multiple maps on same stream. We are looking into it.

ESB

Eric Becker, P.E.
Senior Water Resources Control Engineer

Wetlands Protection
SDRWQCB
2375 Northside Drive, Suite 100
San Diego, CA 92108
(619) 521-3364
Eric.Becker@waterboards.ca.gov

-----Original Message-----
From: Rothman, Christine [mailto:CRothman@sandiego.gov]
Sent: Friday, January 29, 2016 5:23 PM
To: Honma, Lisa@Waterboards; Becker, Eric@Waterboards; Monji, Alan@Waterboards
Cc: Whitney, Travis; vjoshi@dudek.com; Rom, Catherine
Subject: RE: Nestor Creek Notice to Proceed- SPL-2016-00011-MBT

Hello Alan, Lisa and Eric,

Perhaps I missed it but did one of you send a follow-up to Melanie's authorization to let us know that this project has been entered into the RWQCB database?

We are going to start mobilizing so that we can begin work within the 14 day time frame.

Thanks,

Christine Rothman, AICP
Development Project Manager III
City of San Diego | Transportation & Stormwater|Operations & Maintenance
2781 Caminito Chollas, MS#44 | San Diego, CA 92105 | office: (619) 527.3470

Correspondents should assume that all communication to or from this address is recorded and may be reviewed by third parties.

-----Original Message-----
From: Tymes, Melanie B SPL [mailto:Melanie.B.Tymes@usace.army.mil]
Sent: Monday, January 25, 2016 1:57 PM
To: Kelly.Fisher@wildlife.ca.gov; Deisher, Helene <HMDeisher@sandiego.gov>; Matter, Gene <RMatter@sandiego.gov>; Nazareno, Angela <ANazareno@sandiego.gov>; Bracci, Stephanie <SBracci@sandiego.gov>; Whitney, Travis <TWhitney@sandiego.gov>; vjoshi@dudek.com; Rothman, Christine <CRothman@sandiego.gov>; Alexander.Llerandi@coastal.ca.gov; dlilly@coastal.ca.gov; Rom, Catherine <CRom@sandiego.gov>; 'Honma, Lisa@Waterboards' <Lisa.Honma@waterboards.ca.gov>
Subject: Nestor Creek Notice to Proceed- SPL-2016-00011-MBT

Catherine,
Please find attached the Notice to Proceed for the Nestor Creek Maintenance Project. Please let me know if you have any questions.

VR,

Melanie Tymes

Project Manager, Carlsbad Field Office
U.S. Army Corps of Engineers, Regulatory Branch
5900 LA PLACE COURT, Suite 100
CARLSBAD, CA 92008
Melanie.b.tymes@usace.army.mil
(760) 602-4841 (direct)
(760) 450-3834 (blackberry)
(760) 602-4848 (fax)

AUBURN CREEK
(MMP MAPS 67 & 68)

ACOE RGP 63 Authorization
RWQCB 401 Certification Email (None)
RWQCB Attachment E

DEPARTMENT OF THE ARMY
LOS ANGELES DISTRICT, U.S. ARMY CORPS OF ENGINEERS
5900 LA PLACE COURT, SUITE 100
CARLSBAD, CALIFORNIA 92008

December 14, 2015

Gene Matter
City of San Diego
Transportation & Storm Water Department
2781 Caminito Chollas, MS 44
San Diego, California 92108

DEPARTMENT OF THE ARMY REGIONAL GENERAL PERMIT (RGP) 63 NOTICE TO PROCEED

Dear Mr. Matter:

I am responding to your request (Corps File No. SPL-2015-00862-RAG) for a Department of the Army permit for your proposed project, Auburn Creek Channel Maintenance. The proposed project is located in the City of San Diego, San Diego County, California, at Latitude 32.74639° N and Longitude -117.08715° W (Figures 1, 2, 3a, 3b).

Because this project would result in a discharge of dredged and/or fill material into waters of the United States a Department of the Army permit is required pursuant to Section 404 of the Clean Water Act (33 USC 1344; 33 CFR parts 323 and 330).

I have determined construction of your proposed project, if constructed as described in your application, would comply with Regional General Permit (RGP) No. 63 - Repair and Protection Activities in Emergency Situations. Specifically, and as shown in Figures 1, 2, 3a, 3b, and Attachment A, you are authorized to:

1. Remove existing vegetation and sediment totaling 0.12 acre within the earthen channel bottom section and 0.07 acre from the concrete-lined channel section of Auburn Creek. The dredging of vegetation and sediment will occur in the following specific sections of Auburn Creek:
    - North of Wightman Street, Section 1 (MMP Map 67; Figure 3a), approximately 427 feet in length with an average bottom width of approximately 10 feet;
    - Directly south of Wightman Street, Section 2 (MMP Map 68; Figure 3b), approximately 274 feet in length with an average bottom width of 12 feet; and
    - Adjacent to the intersection of Ontario Avenue and Auburn Drive, Section 3 (MMP Map 68; Figure 3b), approximately 132 feet in length with an average bottom width of 10 feet.

For this RGP verification letter to be valid, you must comply with all of the terms and conditions of RGP No. 63 - Repair and Protection Activities in Emergency Situations, available

at http://www.spl.usace.army.mil/Missions/Regulatory/RegionalGeneralPermits.aspx. In addition, you must comply with the Special Conditions listed below:

1. At Section 3, the intersection of Ontario Avenue and Auburn Drive (MMP Map 68; Figure 3b), the stream channel bank shall be stabilized using native soils and vegetation and the channel contours and elevations restored to natural stream conditions similar to pre-construction conditions. Within 45 days of completing work, you shall submit a memo and photos of how this section was stabilized and restored similar to pre-construction conditions.
2. Equipment shall be removed within one week of completed work; and
3. All work shall be monitored by a qualified biologist.

A general permit does not grant any property rights or exclusive privileges. Also, it does not authorize any injury to the property or rights of others or authorize interference with any existing or proposed Federal project. Furthermore, it does not obviate the need to obtain other Federal, State, or local authorizations required by law.

If you have any questions, contact Rose Galer at 760-602-4835 or via e-mail at Rose.A.Galer@usace.army.mil. Please reference file number SPL-2015-00862-RAG in your reply.

Sincerely,

Richard J. Van Sant III
Acting Team Leader
South Coast Branch
Regulatory Division

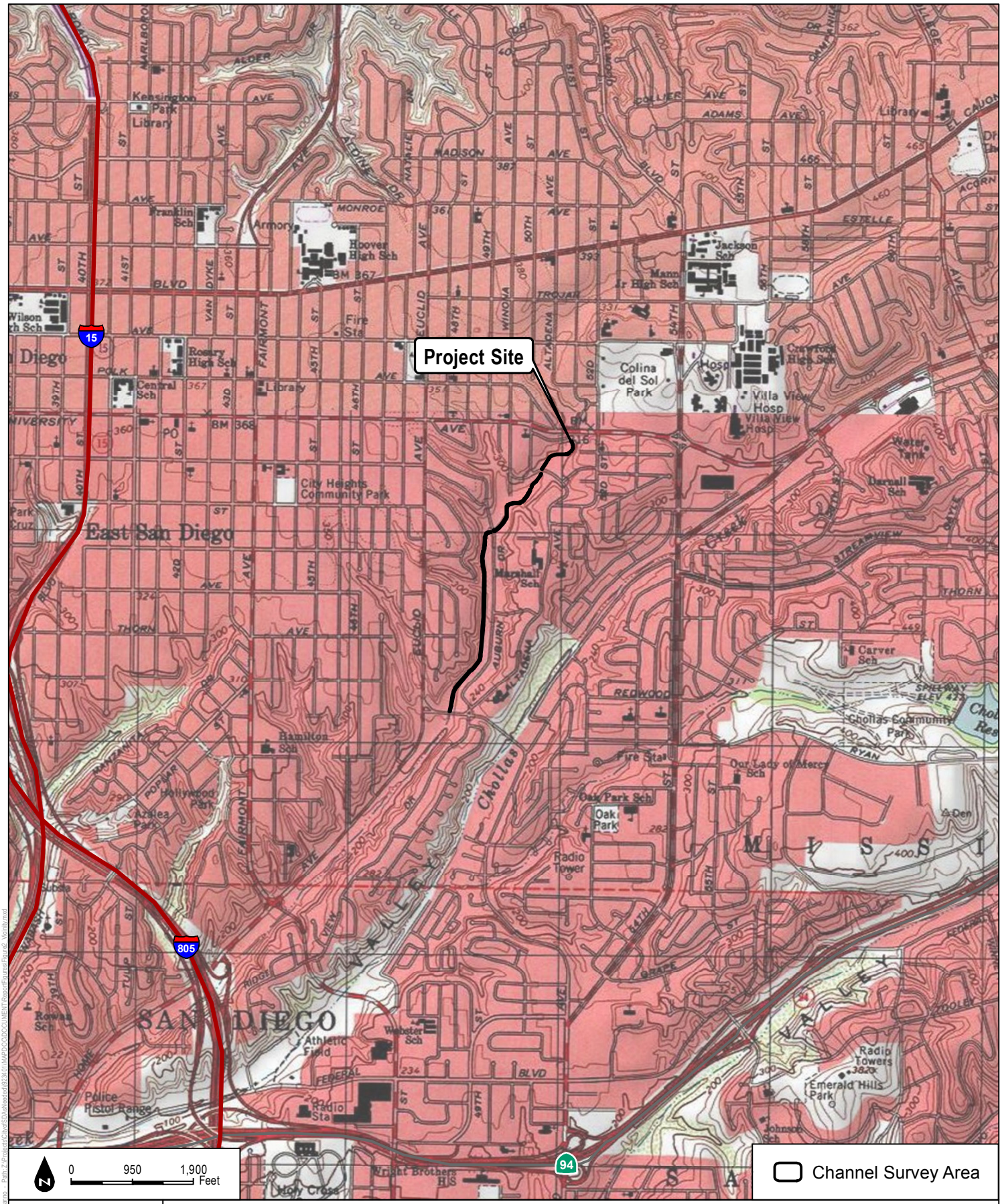
Enclosures

DUDEK

FIGURE 1

Regional Map

Auburn Creek (MMP Map 67 & 68) - Emergency Channel Maintenance



SOURCE: USGS 7.5-Minute Series - National City Quadrangle.

FIGURE 2

Vicinity Map

Auburn Creek (MMP Map 67 & 68) - Emergency Channel Maintenance

DUDEK

DUDEK

SOURCE: SANDAG Imagery 2015; Helix 2015; City of San Diego 2015

MMP Map 67; Figure 3a

Biological Resources and Impacts

Auburn Creek (MMP Map 67 & 68) - Emergency Channel Maintenance

DUDEK

SOURCE: SANDAG Imagery 2015; Helix 2015; City of San Diego 2015

MMP Map 68; Figure 3b

Biological Resources and Impacts

Auburn Creek (MMP Map 67 & 68) - Emergency Channel Maintenance

Attachment to RGP 63 Application

Adjoining Properties of Auburn Creek Channel Emergency Maintenance

Listed from Upstream to Downstream:

1. 5055 University Avenue, San Diego, CA, 92105
2. 5047 University Avenue, San Diego, CA, 92105
3. 5045 University Avenue, San Diego, CA, 92105
4. 5020 Wightman St, San Diego, CA, 92105
5. 5017 Wightman St, San Diego, CA, 92105
6. 5021 Wightman St, San Diego, CA, 92105
7. 3785 50th St, San Diego, CA, 92105
8. 3775 50th St, San Diego, CA, 92105
9. 3768 50th St, San Diego, CA, 92105
10. 3751 Winona Ave, San Diego, CA, 92105
11. 3640 Winona Ave, San Diego, CA, 92105
12. 4960 Auburn Dr, San Diego, CA, 92105
13. 4986 Auburn Dr, San Diego, CA, 92105
14. 4992 Auburn Dr, San Diego, CA, 92105
15. 3648 Ontario Ave, San Diego, CA, 92105
16. 3621 Ontario Ave, San Diego, CA, 92105

ATTACHMENT A

Auburn Creek Emergency Channel Maintenance, MMP Maps 67 & 68

Project Site Photographs

Photograph 1: Single box culvert that runs north to south under Wightman Drive from Proposed Impact Area Section 1 to Section 2.	**Photograph 2:** Looking upstream at sediment build up directly north of the single box culvert in MMP Map 67; Figure 3a.
(November 11, 2015; 8:06am)	(November 11, 2015; 8:06am)

Photograph 3: Looking upstream at sediment and vegetation build up along channel just east of residential parking lot on south end of MMP Map 67; Figure 3a. (November 19, 2015; 8:59am)	**Photograph 4:** Looking upstream at sediment and vegetation build up along channel on north end of MMP Map 67; Figure 3a. (November 11, 2015; 8:12am)

Photograph 5: Looking south toward Wightman Drive at Access/Staging area along channel within MMP Map 67; Figure 3a. (November 11, 2015; 8:20am)	**Photograph 6:** Looking north toward Wightman Drive at the single box culvert from within Proposed Impact Area Section 2 located in MMP Map 68; Figure 3b. (November 11, 2015; 8:25am)

Photograph 7: Looking south from Wightman Drive at Proposed Impact Area Section 2 within MMP Map 68; Figure 3b. (November 11, 2015; 8:22am)	**Photograph 8:** Looking south from within Proposed Impact Area Section 2 through channel surrounded by Arundo within MMP Map 68; Figure 3b. (November 11, 2015; 8:22am)

Photograph 9: Evidence of flooding damage compromising adjacent 5017 Wightman St. property footing within Proposed Impact Area Section 2 in MMP Map 68; Figure 3b.

(November 19, 2015; 9:15am)

Photograph 10: Evidence of flooding depositing sediment and causing damage to parking structure and lot at 3775 50th Street property within Proposed Impact Area Section 2 in MMP Map 68; Figure 3b.

(November 11, 2015; 8:34am)

Photograph 11: Looking upstream from the downstream end of Proposed Impact Area Section 2 at sediment and vegetation build up within MMP Map 68; Figure 3b.	**Photograph 12:** Narrowing of channel from sediment and vegetation build up at the south end of Proposed Impact Area Section 2 in MMP Map 68; Figure 3b.
(November 11, 2015; 8:30am)	(November 19, 2015; 9:30am)

Photograph 13: Looking west toward Auburn Drive at sediment build up and clogging of right side of two-box culvert on May 20, 2015 within Proposed Impact Area Section 3 in MMP Map 68; Figure 3b.	**Photograph 13:** Looking west toward Auburn Drive at the current sediment build up and clogging of right side of two-box culvert within Proposed Impact Area Section 3 in MMP Map 68; Figure 3b.
(May 20, 2015; 9:18am)	(November 11, 2015; 8:57am)

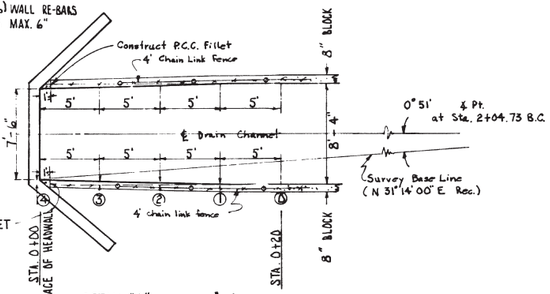
Photograph 14: Looking upstream of the channel from Auburn Drive at sediment and vegetation build up within Proposed Impact Area Section 3 in MMP Map 68; Figure 3b.	**Photograph 15:** Evidence of flooding damage to two-box culvert that runs west under Auburn Drive Proposed Impact Area Section 3 in MMP Map 68; Figure 3b.
(November 11, 2015; 8:57am)	(November 19, 2015; 9:41am)

1"=20' 1"=10' 1"=30' 1"=40' 1"=50' 1"=60'

24 TO 1 REDUCTION

NOTE: EXTEND HORIZONTAL(#4) WALL RE-BARS 8" INTO #6 FILLETS. VERTICAL(#6) WALL RE-BARS TO BE PLACED IN FILLETS MAX. 6" FROM END OF WALL.

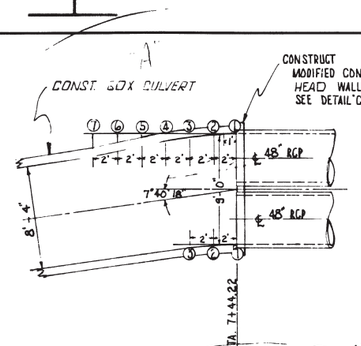
DETAIL "A" OFFSETS
① 0.03'
② 0.10'
③ 0.23'
④ 0.42'
(BOTH SIDES OF CHANNEL)



DETAIL "A" SCALE: 1"=5'

DETAIL "B" OFFSETS:
① 0.00
② 0.06
③ 0.27
④ 0.61
⑤ 1.09
⑥ 1.57
⑦ 1.91

RIGHT SIDE OFFSETS:
① 0.00
② 0.06
③ 0.24



DETAIL "B" SCALE: 1"=5'

WORK TO BE DONE

ITEM	STND. DRWG.	LEGEND
BLOCK WALL CHANNEL	SEE NOTE	
BOX CULVERT	D-45-69 (SEE NOTE)	
CHAIN LINK FENCE	M-4-58	
4" C.I. SEWER LATERAL	S-22-52	
SEWER ENCASEMENT	S-24-57	
HEADWALL	SEE NOTE	

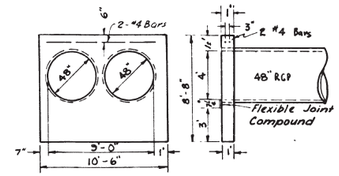
STANDARD SPECIFICATIONS OF THE CITY OF SAN DIEGO AS FOLLOWS:

PART 1, FILED APRIL 9, 1958, INCLUDING AMENDMENTS TO PART 1, FILED APRIL 8, 1959; SECTION 1 FILED APRIL 5, 1967, AND AMENDMENT FILED JULY 19, 1967.

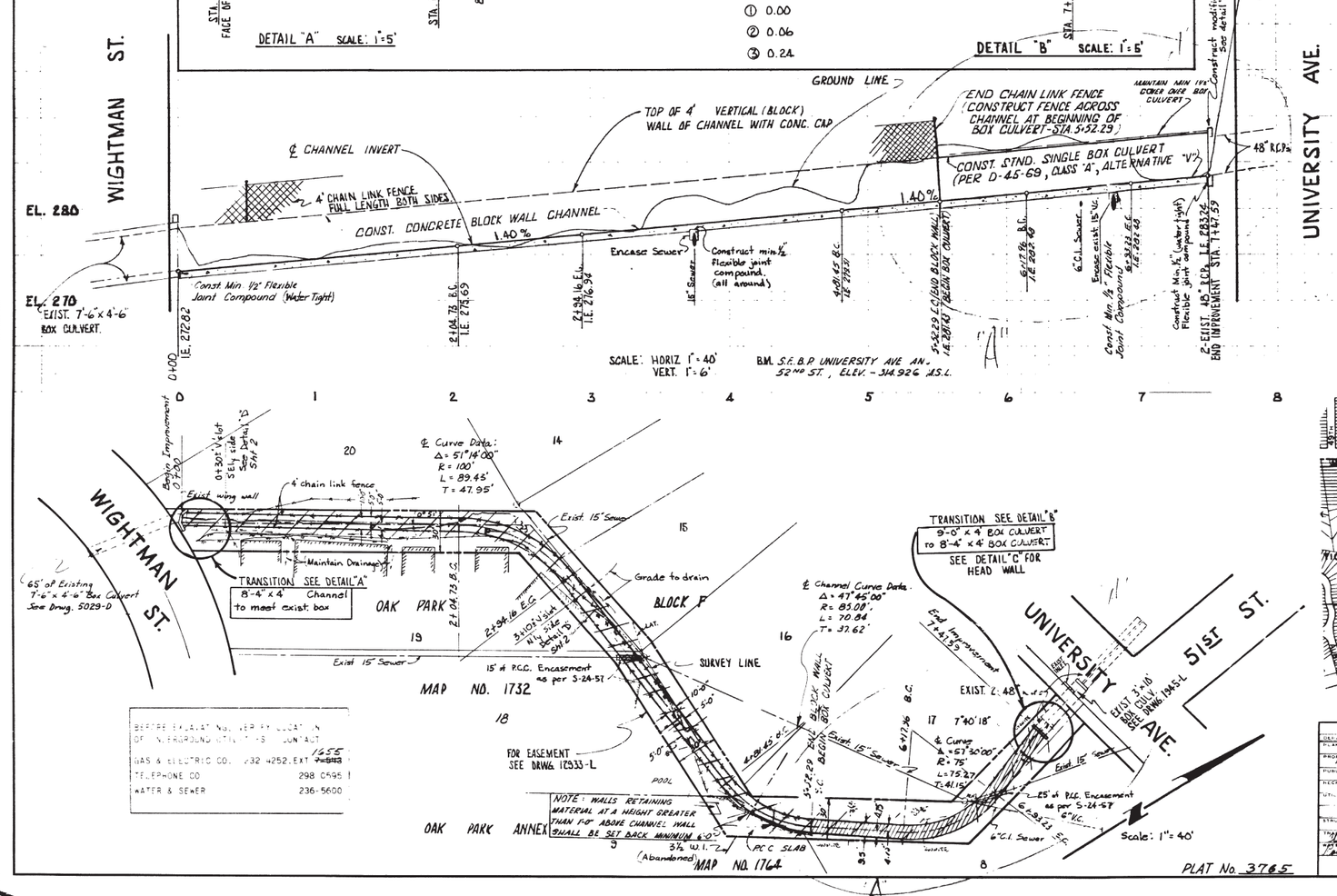
REFERENCE DRAWINGS:

936-D, 939-D, 5027-D, 5029-D, 1945-L,
10386-3D, 11437-B, 12933-L 13091-D

NOTE:- CONST BLOCK WALLS AS PER STANDARD DRAWINGS C-58-61, C-53-63 AND C-57-58 EXCEPT AS MODIFIED PER THIS PLAN.
CONST. BOX CULVERT PER D-45-69 CLASS "A" ALTERNATIVE "V". BACKFILL TO MIN. DEPTH OF 1'-6" OVER CULVERT.
CONST. HEAD WALL PER D-31-60 EXCEPT AS PER THIS PLAN.
EXTEND TOP BARS OF BLOCK WALL MIN. 12" INTO BOX CULVERT AT STA. 5+52.29

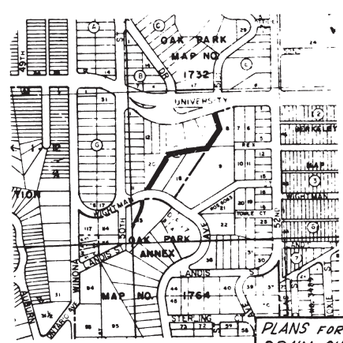


DETAIL "C"- MODIFIED HEAD WALL
SCALE: 1"=5'



BEFORE EXCAVATING, NOTIFY THE FOLLOWING UTILITIES CONCERNED OF UNDERGROUND UTILITIES CONTACT

GAS & ELECTRIC CO.	232-4252, EXT. ~~1255~~ 1455
TELEPHONE CO	298-0595
WATER & SEWER	236-5600



LOCATION MAP
OAK PARK DRAINAGE CHANNEL

1911 ACT

APPROVALS

DEPARTMENTAL	ENG. CERT. / DIVISION OR SECTION
CITY ENGINEER	COAST. INSPECTION
PROPERTY	ELECTRICAL
PUBLIC WORKS	MECHANICAL
RECREATION	MISCELLANEOUS
UTILITIES	SELECTION OF MATERIALS
STRUCTURAL	STREET SECTIONS
TRAFFIC ENGR.	

PLANS FOR THE CONSTRUCTION OF A STORM DRAIN CHANNEL IN OAK PARK, BLOCK "F" MAP 1732 AND OAK PARK ANNEX, MAP 1764

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

WO NO 33618

F. J. Swanson, CITY ENGINEER — May 17, 1968 — DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL DRAWN BY	R.A.D.			
DESIGNED BY	R.D.H.			
CHECKED BY	R.D.H.			

DESIGN ENGINEER — CONTROL CERTIFICATION

212-1743
ENGINEER'S TELEPHONE NUMBER

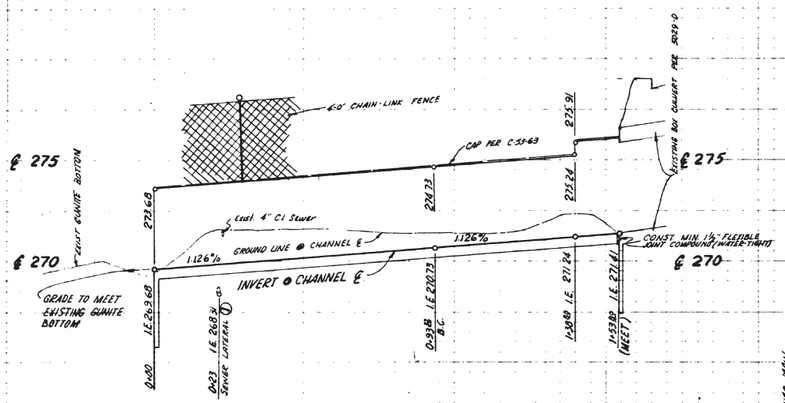
CONTRACTOR — DATE STARTED
INSPECTOR — DATE COMPLETED

12983-1-D

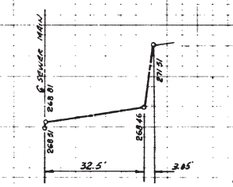
1"=20' 1"=10' 1"=30' 1"=40' 1"=50' 1"=60'

24 TO 1 REDUCTION

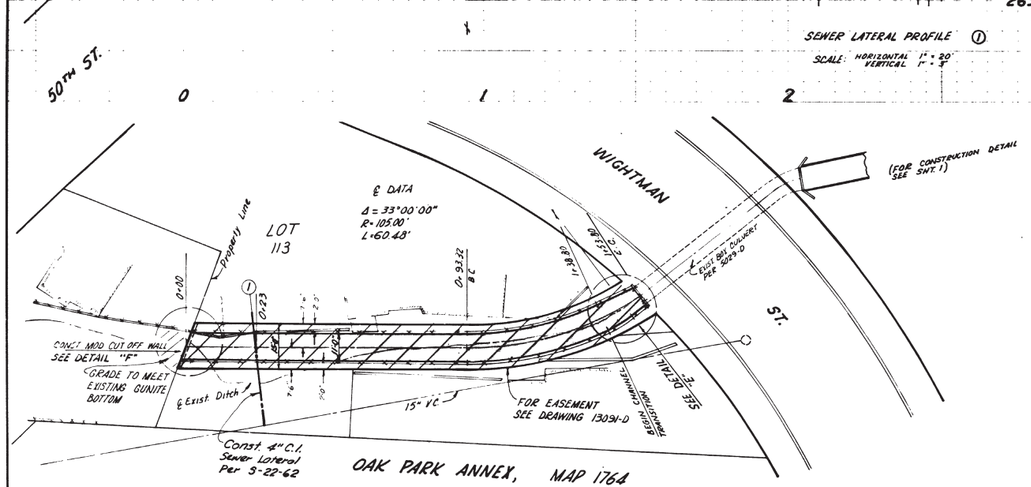
BENCH MARK: S.W.B.P. UNIVERSITY AVE. AND 50TH ST.
ELEVATION - 336.26 M.S.L.



SCALE: HORIZONTAL: 1"=20'
VERTICAL: 1"=3'

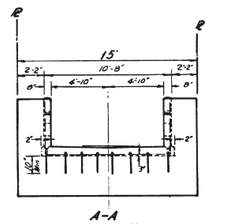


SEWER LATERAL PROFILE ①
SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=3'

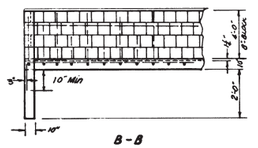


OAK PARK ANNEX, MAP 1764

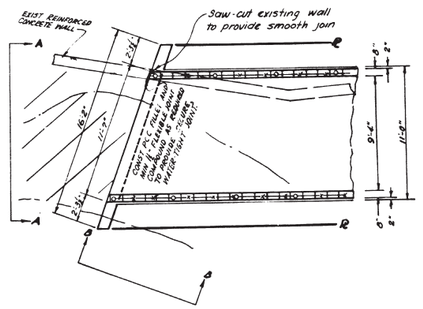
SCALE 1"=20'



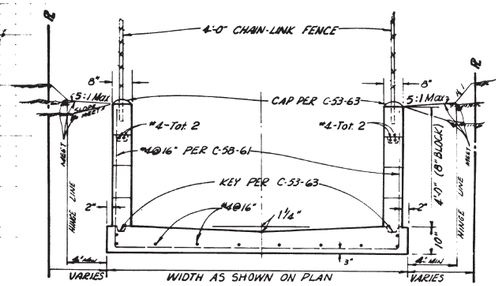
A-A
SCALE: 1"=5'



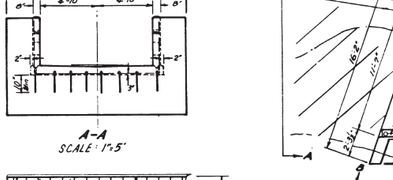
B-B
SCALE: 1"=5'



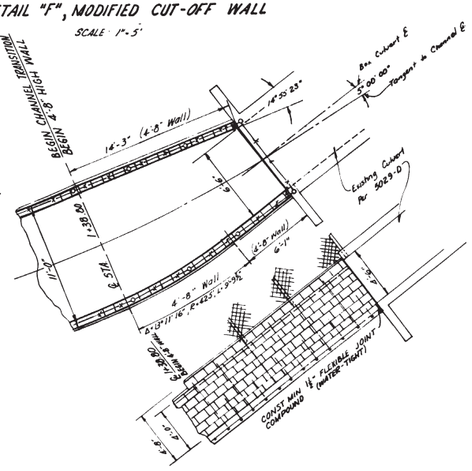
DETAIL "F", MODIFIED CUT-OFF WALL
SCALE: 1"=5'



TYPICAL SECTION
CONCRETE BLOCK MASONRY WALL CHANNEL
SCALE: 1"=2'



DETAIL "D", CHANNEL INLET SLOT
NO SCALE



DETAIL "E", CHANNEL TRANSITION
SCALE: 1"=5'

BEFORE EXCAVATING, VERIFY LOCATION OF UNDERGROUND UTILITIES - CONTACT.

GAS & ELECTRIC CO.	232-4252, EXT 1655
TELEPHONE CO.	298-0595
WATER & SEWER	236-5600

OAK PARK STORM DRAIN CHANNEL - et al

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

W.O. NO 33618

E.J. Galvin, CITY ENGINEER — May 18, 1948, DATE

DIVISION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	RDH			

DESIGN ENGINEER

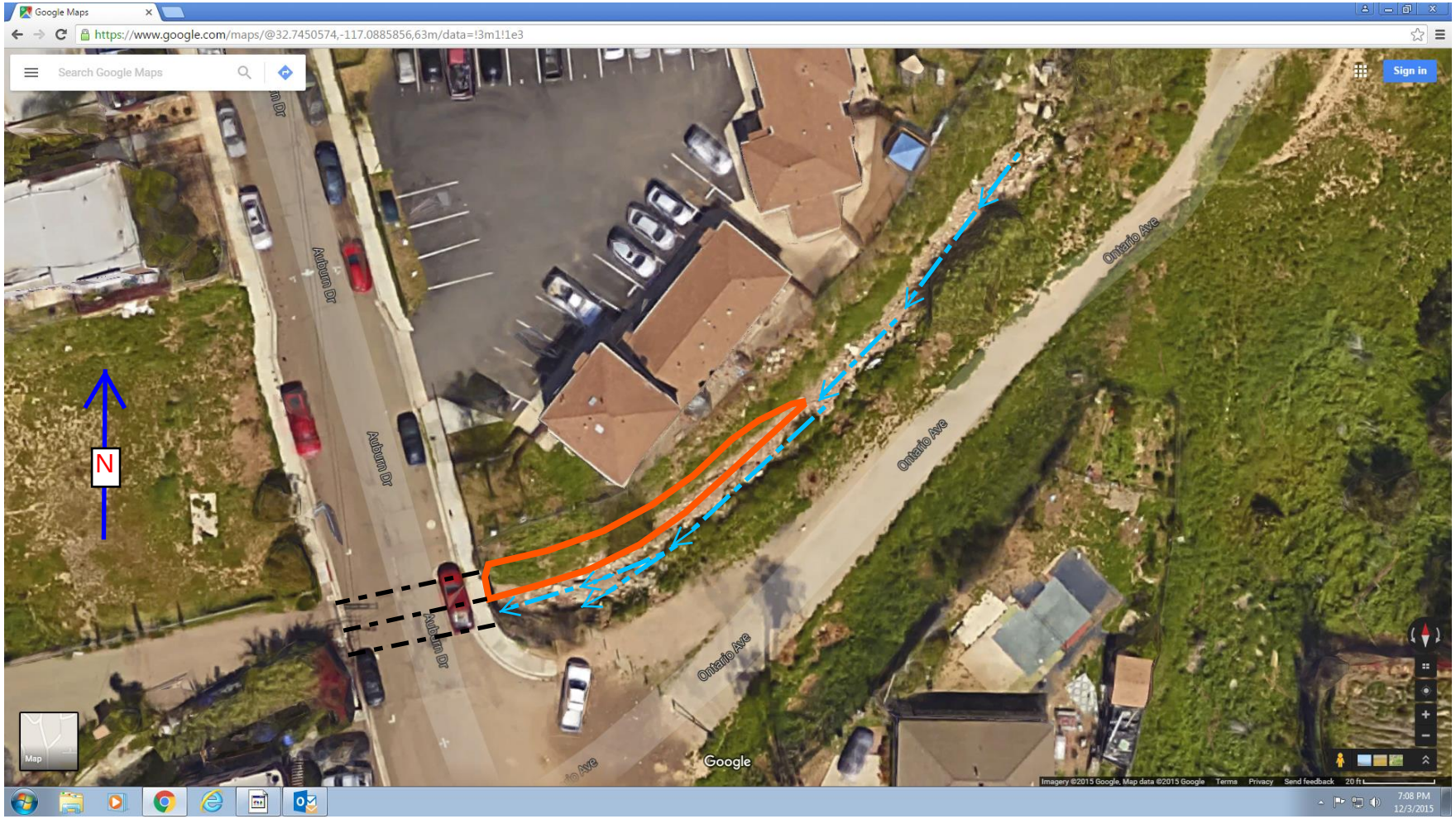
212-1743
CONTROL CERTIFICATION

LAMBERT COORDINATES

CONTRACTOR
INSPECTOR
DATE STARTED
DATE COMPLETED

12983-2-D

AUBURN CREEK MAP 68 @ AUBURN DRIVE AND ONTARIO AVENUE



Minimum area to remove sediment and vegetation. Removal of sediment and vegetation will stop outside the toe of slope to maintain existing side slope (2:1) from finished grade of adjacent northerly lot. Length of removal is approximately 130 feet in length.

Direction of storm water path to existing southerly box culvert and damaged side channel

Existing Double Box Culvert

AUBURN CREEK MAP 68 @ AUBURN DRIVE AND ONTARIO AVENUE

PHOTO 1

PHOTO 2

PHOTO 1: Looking downstream (WEST) to box culverts approximately 150-feet from Auburn Drive.

PHOTO 2: Looking downstream (WEST) directly to centerline of northerly box culvert. Auburn Drive in background. Area within orange tape will require the removal of sediment and vegetation. Damaged area of channel just south of box culvert. Storm water path is being directed to the damaged area and southerly box versus going directly into both box culverts.

PHOTO 3

PHOTO 4

PHOTO 3: Looking downstream (WEST) to northerly box culvert. Storm drain path of flow covered at opening by sediment and vegetation. Removal of sediment will stop outside of the toe of slope and be level with the bottom floor of the channel. Area within orange tape will require the removal of sediment and vegetation. Storm water path is being directed to the damaged area and southerly box versus going directly into both box culverts.

PHOTO 4: Looking upstream (EAST) standing directly above northerly box culvert. Staff is standing directly on what should be the centerline of the storm water path of flow. Removal of sediment will stop outside of the toe of slope and be level with the bottom floor of the channel. Area within orange tape will require the removal of sediment and vegetation.

PHOTO 5

PHOTO 6

PHOTO 5: Looking upstream (EAST) standing directly above northerly box culvert. Staff is standing at the toe of slope. Removal of sediment will stop outside of the toe of slope and be level with the bottom floor of the channel. Area within orange tape will require the removal of sediment and vegetation.

PHOTO 6: Looking upstream (EAST) standing directly above damaged side of channel. Area within orange tape will require the removal of sediment and vegetation.

FINAL REPORT FORM FOR REGIONAL GENERAL PERMIT 63 FOR REPAIR AND PROTECTION ACTIVITIES IN EMERGENCY SITUATIONS (RGP 63)

Instructions for Attachment E

Attachment E must be submitted electronically as a pdf with a valid signature within 45 calendar days of completion of any emergency actions conducted under RGP 63. Attachment E must be submitted to the State Water Resources Control Board (State Water Board) and the applicable Regional Water Quality Control Board (Regional Water Board).

For State Water Board Submittal
Email: Stateboard401@waterboards.ca.gov (Subject: RGP 63)

For the applicable Regional Water Board Submittal
A staff directory that includes contact information for the State and Regional Water Boards is found at:
http://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/staffdirectory.pdf

PROPERTY OWNER		
Name: City of San Diego	Phone Number: 619-527-7506	
Mailing Address: 2781 Caminito Chollas, MS 44		
City: San Diego	State: CA	ZIP Code: 92105
Contact Person: Gene Matter	E-Mail: rmatter@sandiego.gov	
BILLING ADDRESS		
Name: SAME AS ABOVE	Phone Number:	
Mailing Address:		
City:	State:	ZIP Code:
Contact Person:	E-Mail:	
DISCHARGER (If different from owner)		
Name:	Phone Number:	
Mailing Address:		
City:	State:	ZIP Code:
Contact Person:	E-Mail:	
PROJECT SITE LOCATION		
Street (include address, if any): 5025 & 5030 Wightman St, 3775 50th St, San Diego, CA 92105		
Nearest Cross Street(s): Wightman St. and 50th St.		
County: San Diego	Total size of project site (acres): 0.21 (including non-jurisdictional areas)	
Photos Attached: X Yes ☐ No		

Latitude/Longitude (Center of Discharge Area) in degrees/minutes/seconds (DMS) to the nearest ½ second OR decimal degrees (DD) to four decimals (0.0001 degree)

DMS: N. Latitude Deg. __32____ Min. ___44____ Sec. __46.99_____

W. Longitude Deg. __117_____ Min. ___5_____ Sec. __13.72_____

DD: N. Latitude _____

W. Longitude _____

Attach a map of at least 1:24000 (1" = 2000') detail of the impact site(s).

Indicate the map format used (listed in order of preference):

X **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 aquatic resource type. 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.

☐ **Google KML files** saved from Google Maps: My Maps (free) or Google Earth Pro (not free). Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted.*

X Aquatic resource maps marked on paper USGS 7.5 minute **topographic maps** or DOQQ printouts. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted.

*** If using Google Maps: My Maps or similar, provide URL(s) of maps.**

DISCHARGE INFORMATION	
Project Start Date: December 15, 2015	Project Completion Date: January 12, 2016
Names of Receiving Water(s):	
Tributary (Auburn Creek) to Chollas Creek (Hydrologic Unit Basin Number 8.22)	
Receiving Water Types:	
☐Lake/Reservoir ☐Ocean/Estuary/Bay X River/Streambed	☐Riparian Area ☐Vernal Pool ☐Wetland
Regulatory Agencies with Jurisdiction Over Project and Associated Permits/Agreements:	
Army Corps of Engineers – RGP 63, Authorization SPL-2015-00862-RAG California Department of Fish and Wildlife – Emergency Notification City of San Diego – Emergency Permit PTS #459745 & Approval No. 1608293	
Emergency Project Description: (e.g. discharge of riprap; discharge of fill; excavation for a utility line)	
A biological survey was completed by a qualified biologist on November 11 and 19, 2015 of the area proposed for the removal of vegetation and sediment. The two maintained sections were 701-feet long, 10-12 foot wide, and concrete- and earthen- lined drainage channel sections.	

Based on the forecasted El Niño-influenced weather patterns bringing heavier than normal rainfall to the San Diego region during the winter of 2015-2016, accounts of recent flooding, visual evidence of eroding banks, and damage to adjacent infrastructure and properties, T&SW concluded there was an imminent threat to public health and safety from the vegetation and debris within Auburn Creek Channel (MMP Maps 67 and 68). The material to be removed had significantly diminished the ability of the channel to safely convey storm water in the event of a major rainfall event. The following properties were specifically at risk due to their proximity to clogged sections of the channel, visual evidence and reports of flooding in the recent past, and location at a low elevation in comparison to the channel: 5004-5024 Wightman Ave and 3775 50th St. As part of this emergency maintenance, all sediment and vegetation that had accumulated within each of the two channel sections was removed.

In the first section located directly north of Wightman Street (MMP Map 67; Figure 3a), all materials were excavated from the channel segments by a Gradall (i.e., excavating-type equipment with an extended arm) and Trackhoe. The Gradall was staged outside and above the channel within the disturbed Access/Staging area to the. A Pole Saw and chainsaws were also used to remove a large exotic tree on the southwestern end of this section.

In the second section located directly south of Wightman Street (MMP Map 68; Figure 3b), a Gradall was used to lower a Trackhoe and Bobcat into the channel. The Trackhoe and Bobcat pushed vegetation and sediment to a location that it could be removed by the Gradall, which was staged outside and above the channel at the north end (Wightman Street). Some vegetation and sediment within and adjacent to the channel were also removed using hand tools and chainsaws.

The materials removed from the two sections were loaded into dump trucks and hauled offsite to an approved dumpsite (the Miramar Landfill). All work was monitored by a qualified biologist and all equipment and materials were removed following completion of the work.

Purpose of the Entire Project Activity: (e.g. stream-bank erosion control; maintain, repair, or restore damaged property)

The Transportation & Storm Water Department had determined that immediate action was necessary to remove sediment and vegetation from this channel to prevent imminent damage to public and private property and downstream resources. Storm Water staff inspected the site in response to recent complaints of flooding by a property owner. Staff noted several areas where previous flows had eroded the bank of the channel such that residential properties, public infrastructure and parking facilities were being undermined. Based on field observations staff also determined that the accumulation of vegetation, sediment, and debris within this entire facility had created a significant likelihood that a major storm event would further undermine the adjacent structures and cause flooding on the adjacent properties, specifically private residences at 5004-5024 Wightman Ave, 3775 50th St.

Given the predictions of strong El Niño conditions during this rainy season, heavy storms have been expected. In the last two "very strong" El Niño years (1982-83, 1997-98) coastal Southern California saw more than twice the average rainfall. If similar rain events occur this winter, significant damage is probable.

The strength of the current El Niño was unexpected, and it, combined with the observed channel conditions, created a substantial likelihood that significant rain events would cause sudden flooding along the Auburn Creek channel within the rainy season months (approximately December 2015 to March/April 2016). Therefore, it was necessary that vegetation and sediment be removed from this channel at three locations in order to alleviate the flooding and continued

bank erosion that had occurred A third section of Auburn Creek was originally planned to be included in this emergency maintenance effort, however it was later discovered that this section is located on private property where the City does not have an easement and so no maintenance was conducted in this section and it is not covered in this report.

This emergency activity meets the criteria set forth in CEQA Section 21080(b)(4) and Section 15269 of the CEQA Guidelines which allows for actions necessary to prevent or mitigate an emergency.

Erosion and Sediment Control Measures Implemented:

The two project areas are both earthen and concrete-lined channel. Crews used existing cobble and sediment to re-shape and support the channel banks to prevent erosion and discourage sloughing of material into the channel. Adjacent access/staging areas were located in existing developed areas. Adequate BMPs were placed in those areas to prevent sedimentation and erosion from occurring (see pollution prevention measures listed below).

Work was conducted mostly during dry periods. Due to unexpected flows pumps were used as necessary to bypass water downstream and out of work areas. Additionally, crews set up sand bag berms to prevent any downstream flow from entering the work areas.

Pollution Prevention Measures Implemented:

The 401 Certification for RGP 63 lists 7 BMP conditions (Section D):

1. Appropriate materials were kept on site to contain potential spills. No spills occurred.
2. Fueling, vehicle maintenance, storage, etc. were located outside of waters of the state and did not result in any discharges.
3. No spills occurred and therefore no notification to the Water Boards was required.
4. All construction materials and debris were removed following completion of the emergency action.
5. The water diversion activities did not result in degradation of beneficial uses. Placement of temporary dams caused little or no siltation. Normal flows were restored to the stream upon completion of work.
6. All necessary BMPs to control erosion and runoff from staging and access areas (e.g., fiber rolls) were employed. No temporary impacts occurred and therefore no restoration is required.
7. No revegetation is required. Maintenance was conducted within unvegetated stream channels which remain unvegetated after maintenance and areas of invasive species, which were cut to grade and will continue (for up to 2 years) to be re-treated to control re-sprouts.

Fill and Excavation Discharges: For each aquatic resource type listed below indicate in acres, cubic yards, and linear feet the actual discharge to waters of the state, and identify the impact(s) as permanent and/or temporary.

Aquatic Resource Type	Temporary Impact			Permanent Impact		
	Acres	*Cubic Yards*	*Linear Feet*	*Acres*	*Cubic Yards*	*Linear Feet*
Lake/Reservoir						
Ocean/Estuary/Bay						

Riparian Zone						
Stream Channel				0.16		701
Vernal Pool						
Wetland						

COMPENSATORY MITIGATION

Required: ☐ Yes X No | Photos Attached: ☐Yes ☐ No

Compensatory Mitigation Description (include aquatic resource type and acres and linear feet):

All work was limited to sediment and vegetation within the earthen and concrete-lined channel. Vegetation and land cover impacts comprised approximately 0.09 acres of natural flood channel and 0.07 acres of developed concrete lined channel (within ACOE and RWQCB jurisdiction) and an additional 0.05 acres of disturbed wetland (Arundo-dominated; outside of the Ordinary High Water Mark) within CDFW jurisdiction only.

Impacts were limited to unvegetated waters and invasive species and no mitigation was required. RWQCB staff verbally requested that areas of streambed that supported a cobble bottom prior to maintenance, be returned to cobble bottom following maintenance. Biological monitors ensured that each section with cobble bottom prior to maintenance was restored to cobble bottom following maintenance.

MITIGATION SITE LOCATION

Street (include address, if any):

Nearest Cross Street(s):

County:

Latitude/Longitude (Center of Mitigation Area) in degrees/minutes/seconds (DMS) to the nearest ½ second OR decimal degrees (DD) to four decimals (0.0001 degree)

DMS: N. Latitude Deg. _____ Min. _____ Sec. _____

W. Longitude Deg. _____ Min. _____ Sec. _____

DD: N. Latitude _____

W. Longitude _____

Attach a map of at least 1:24000 (1" = 2000') detail of the mitigation site.

Indicate the map format used (listed in order of preference):

x **GIS shapefiles**. The shapefiles must depict the boundaries of all project(s) and extent of aquatic resources. Each shape should be attributed with the aquatic resource type. 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.

☐ **Google KML files** saved from Google Maps: My Maps (free) or Google Earth Pro (not free). Maps must show the boundaries of all project(s) and extent/type of aquatic resources.*

☐ Aquatic resource maps marked on paper USGS 7.5 minute **topographic maps** or DOQQ printouts. Maps must show the boundaries of all project(s) and extent/type of aquatic resources.

*** If using Google Maps: My Maps or similar, provide URL(s) of maps.**

CERTIFICATION	
"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. In addition, I certify that the provisions of this Certification and Corps Regional General Permit No. 63 will be complied with."	
Signature of Discharger: Gene Matter	Title: Assistant Deputy Director
Printed or Typed Name: Gene Matter	Date: 2/26/14

FRIARS ROAD CHANNEL
(MMP MAP N/A)

ACOE RGP 63 Authorization (None)
RWQCB 401 Certification Email (None)
RWQCB Attachment E (None)

DEPARTMENT OF THE ARMY
LOS ANGELES DISTRICT, U.S. ARMY CORPS OF ENGINEERS
5900 LA PLACE COURT, SUITE 100
CARLSBAD, CALIFORNIA 92008

March 11, 2016

Mr. Gene Matter
City of San Diego
Storm Water Division
2781 Caminito Chollas, MS 44
San Diego, California 92105

DEPARTMENT OF THE ARMY REGIONAL GENERAL PERMIT

Dear Mr. Matter:

I am responding to your request (SPL-2016-00039-MG) for a Department of the Army permit for your proposed project, Friars Road and Colusa Street Pipe Outfall. The proposed project is located near the intersection of Friars Road and Colusa Street at 5505 Friars Road, San Diego County, California (Figures 1 and 2).

Because this project would result in a discharge of dredged and/or fill material into waters of the United States a Department of the Army permit is required pursuant to Section 404 of the Clean Water Act (33 USC 1344; 33 CFR parts 323 and 330).

I have determined construction of your proposed project, if constructed as described in your application, would comply with Regional General Permit (RGP) No. 63, Repair and Protection Activities in Emergency Situations. Specifically, and as shown in the enclosed figures, you are authorized to:

> Excavate approximately 300 cubic yards (cy) of sediment and 75 cy of vegetation from approximately 0.13 acre (240 linear feet downstream of the Colusa Street outfall to an average width of 13 feet) of wetland waters of the U.S. immediately downstream of the Coulsa Street outfall. A skid steer will push vegetation and sediment to the headwall. An excavator, located north of the headwall, will scoop out the sediment and vegetation, and load it into dump trucks for disposal at Miramar Landfill.

For this RGP verification letter to be valid, you must comply with all of the terms and conditions of RGP No. 63 - Repair and Protection Activities in Emergency Situations, available at http://www.spl.usace.army.mil/Missions/Regulatory/RegionalGeneralPermits.aspx. Furthermore, you must comply with the following non-discretionary Special Conditions:

1. The work authorized by this RGP was initiated on January 9, 2016. All work must be completed no later than April 1, 2016. If the Permittee is unable to complete the authorized

work by this date, the Permittee must request, in writing, an extension from the U.S. Army Corps of Engineers (Corps) Regulatory Division prior to the deadline.

2. This Corps permit does not authorize you to take any threatened or endangered species, in particular the least Bell's vireo (*Vireo bellii pusillus*, vireo) or adversely modify its designated critical habitat. In order to legally take a listed species, you must have separate authorization under the Endangered Species Act (ESA) (e.g. ESA Section 10 permit, or a Biological Opinion (BO) under ESA Section 7, with "incidental take" provisions with which you must comply). Pursuant to the U.S. Fish and Wildlife Service (USFWS) correspondence dated January 29, 2016, you are required to implement, as appropriate, the enclosed conservation measures to avoid and minimize potential adverse effects to vireo. Once the emergency response has been completed and the situation is no longer an emergency, you shall provide a description of which conservation measures were implemented and whether any adverse impacts (i.e., incidental take) to vireo occurred.

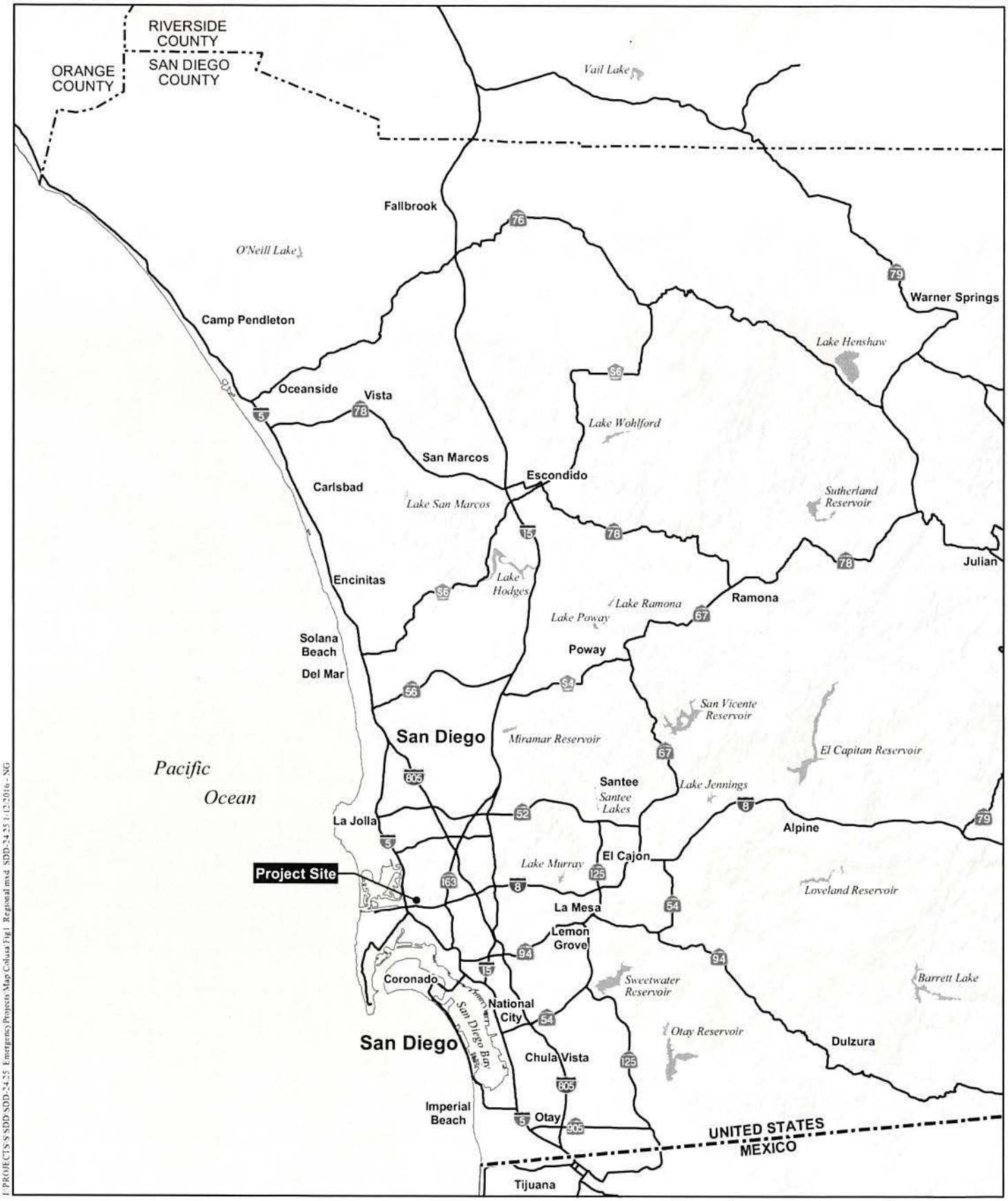
A general permit does not grant any property rights or exclusive privileges. Also, it does not authorize any injury to the property or rights of others or authorize interference with any existing or proposed Federal project. Furthermore, it does not obviate the need to obtain other Federal, State, or local authorizations required by law.

Thank you for participating in the regulatory program. If you have any questions, contact Meris Guerrero at 760-602-4836 or via e-mail at Meris.Guerrero@usace.army.mil. Please help me to evaluate and improve the regulatory experience for others by completing the customer survey form at http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey.

Sincerely,

Shanti Abichandani Santulli
Team Lead, Carlsbad Field Office

Enclosures



J:\PROJECTS\S\SDD\SDD-24255 Emergency Projects\Map Colusa\Fig1 Regional.mxd SDD-24255 1/12/2016 - NG

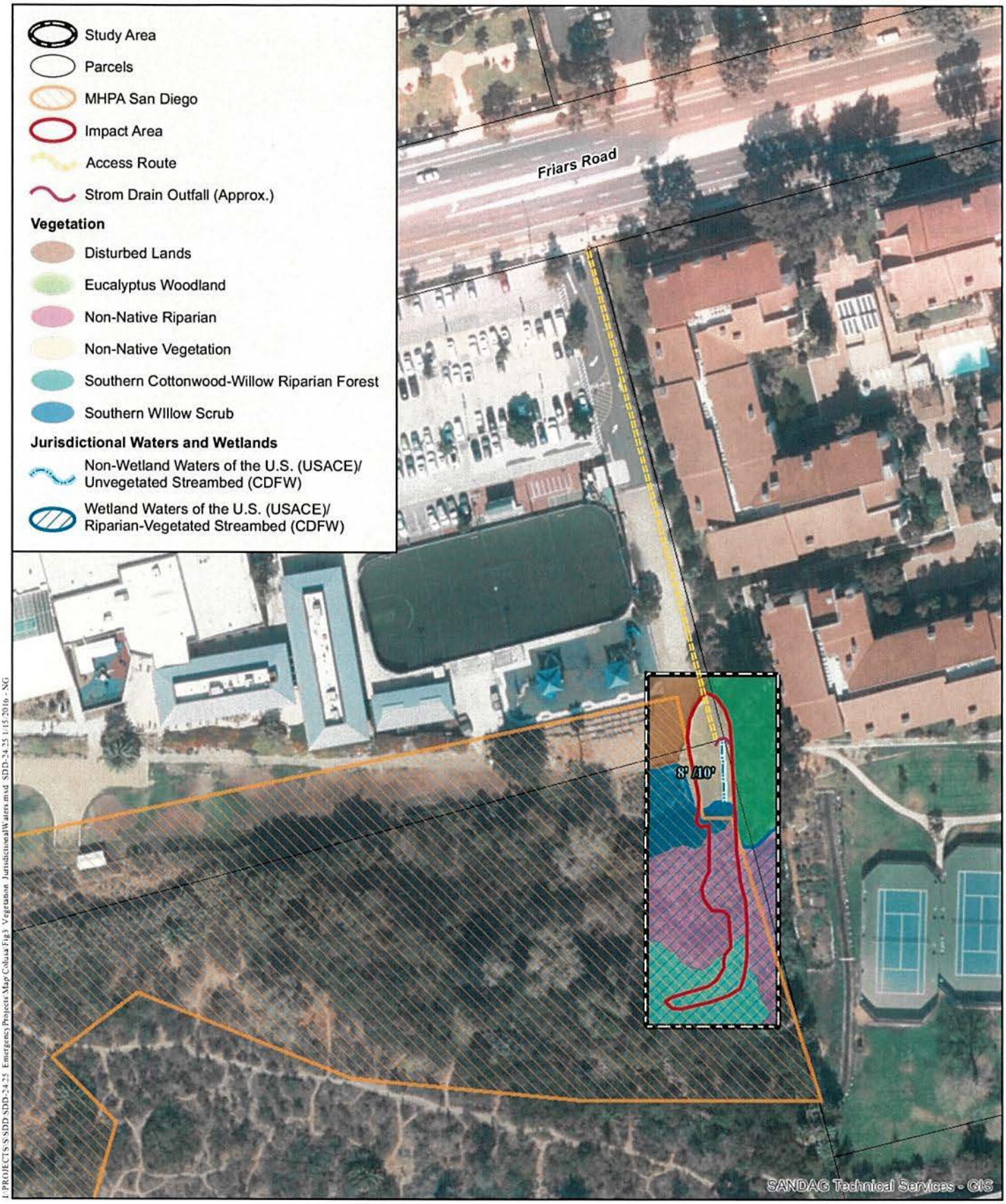
Regional Location Map

COLUSA STREET DRAINAGE

HELIX Environmental Planning

N 0 8 Miles

Figure 1



L:\PROJECTS\S\SDD\SDD-24\25 Emergency Projects\Map\Colusa\Fig3 Vegetation JurisdictionalWaters.mxd SDD-24.25 1/15/2016 - NG

Vegetation and Jurisdictional Resources/Impacts

COLUSA STREET DRAINAGE

HELIX Environmental Planning

N 0 100 Feet

Figure 3

Guerrero, Meris SPL

From: Zoutendyk, David <david_zoutendyk@fws.gov>
Sent: Friday, January 29, 2016 9:55 AM
To: Guerrero, Meris SPL
Cc: Gower, Patrick; Kelly.Fisher@wildlife.ca.gov; eric.becker@waterboards.ca.gov; Monji, Alan@Waterboards; borme@waterboards.ca.gov; Anmarie.medin@parks.ca.gov; jessica.tudor@parks.ca.gov; Goldmann, Elizabeth
Subject: [EXTERNAL] Re: Regional General Permit 63 Preconstruction Notification for Friars Road and Colusa Street

In Reply Refer To:

FWS-SDG-16B0180-16TA0328

Meris Guerrero
Project Manager
U.S. Army Corps of Engineers
5900 La Place Court, Suite 100
Carlsbad, CA 92008

Dear Ms. Guerrero

The U.S. Fish and Wildlife Service (Service) has reviewed the City of San Diego (City) - Friars Road and Colusa Street-RGP 63 Notification (SPL-2016-0039-MG). While we do not object to the project proceeding, we recommend that impacts to wetlands be mitigated. The project area may be located within a previous mitigation area for the Mission Valley West Light Rail Transit Project [U.S. Army Corps of Engineers (Corps) permit 94-20625-DZ and biological opinion 1-6-96-F-17]. We are currently retrieving the project files to verify the mitigation site location. If the project impacts a mitigation site, we recommend mitigation be done at a 5:1 ratio. In addition, please confirm the acres of impact as 0.5 acres of waters of the U.S. as reported in the Pre-Construction Notification or 0.13 acres of waters of the U.S. in the permit application.

We recommend the City apply for a permit for channel maintenance as they did in the past but never completed. This will help alleviate the need for emergency actions and address mitigation for wetland impacts in a comprehensive fashion. We will coordinate with the City regarding mitigation for wetland impacts outside of the Corps jurisdiction pursuant to their Multiple Species Conservation Program Subarea Plan and Biology Guidelines.

The project site may support the federally endangered least Bell's vireo *(Vireo bellii pusillus,* vireo) and we recommend the following conservation measures be implemented to avoid and minimize potential adverse effects to the vireo:

1. Impacts to riparian/wetland habitat will be offset within the San Diego River or other location approved by the Corps and the Service (Agencies).

2. The City will submit a draft riparian/wetland creation/restoration/enhancement plan to the Agencies for review and approval prior to initiating project impacts. The City will provide the final plans to the Agencies for approval prior to initiating creation/restoration/enhancement. The final plans will include the following information and conditions:

a. All final specifications and topographic-based grading, planting and irrigation plans (0.5-foot contours and typical cross-sections) for the creation/restoration/enhancement sites. All wetland mitigation areas will be graded to the same elevation as adjacent existing Corps jurisdictional wetlands areas, and/or to within 1-foot of the groundwater table, and will be left in a rough grade state with micro topographic relief (including channels for wetlands) that mimics natural topography. All upland habitat restoration/enhancement sites will be prepared for planting by decompacting the top soil in a way that mimics natural upland habitat top soil to the maximum extent practicable while maintaining slope stability. Topsoil and plant materials salvaged from the impacted areas (including live herbaceous, shrub and tree species) will be transplanted to, and/or used as a seed/cutting source for, the creation/restoration/enhancement areas to the maximum extent practicable. Planting and irrigation will not be installed until the Agencies has approved of the site grading. All plantings will be installed in a way that mimics natural plant distribution and not in rows.

b. Planting palettes (plant species, size and number/acre) and seed mix (plant species and pounds/acre). The plant palettes proposed in the draft plans will include native species specifically associated with the habitat type(s). Unless otherwise approved by the Agencies, only locally native species (no cultivars) obtained within San Diego County available from as close to the project area as possible will be used. The source and proof of local nativeness of all plant material and seed will be provided.

c. Container plant survival will be 80 percent of the initial plantings for the first 2 years. At the first and second anniversary of plant installation, all dead plants will be replaced unless their function has been replaced by natural recruitment.

d. A final implementation schedule that indicates when all native habitat impacts, as well as native habitat creation/restoration/enhancement grading, planting and irrigation will begin and end. Necessary site preparation and planting will be completed during the concurrent or next planting season (i.e., late fall to early spring) after receiving the Agencies approval of grading.

e. Five years of success criteria for creation/restoration/enhancement areas including: separate percent cover criteria for herbaceous understory, shrub midstory, and tree overstory, and a total percent absolute cover for all three layers at the end of 5 years for wetlands, and a total percent absolute cover for uplands; evidence of natural recruitment of multiple species for all habitat types; 0 percent coverage for Cal-IPC List A and B species; and no more than 15 percent relative coverage for other weed species.

f. A minimum 5 years of maintenance and monitoring of creation/restoration/enhancement areas, unless success criteria are met earlier and all artificial water supplies have been off for at least 2 years.

g. A qualitative and quantitative vegetation monitoring plan with a map of proposed sampling locations. Photo points will be used for qualitative monitoring and stratified-random sampling will be used for all quantitative monitoring

h. Contingency measures in the event of creation/restoration/enhancement failure.

i. Annual maintenance and monitoring reports will be submitted to the Agencies no later than December 1 of each year.

3. Channel dredging/excavation will occur between September 16 and March 14 to avoid the vireo nesting season. If channel dredging/excavation or other project construction is necessary during the vireo breeding season, construction noise levels at the edge of occupied vireo nests will be kept below 60 decibel (dBA) L_{eq} (measures as equivalent sound level) from 5 a.m. to 11 a.m. during the nesting period between March 15 and September 15. For the balance of the day, during the nesting period, the noise levels will not exceed 60 dBA, averaged over 1-hour period on an A weighted dBA (i.e., 1 hour L_{eq}/dBA) at occupied vireo nest locations. Large construction equipment will be staged so as not to exceed the noise threshold identified above.

4. If channel dredging/excavation is necessary during the vireo breeding season, the approved biologist will also perform the following duties:

a) Perform a minimum of three focused vireo surveys on separate days to determine the presence of vireo nest building activities, egg incubation activities, or brood rearing activities within 500 feet of project construction proposed within the vireo breeding season. The surveys will begin a maximum of 7 days prior to project construction, and a survey will be conducted the day immediately prior to the initiation of work. Additional surveys will be done once a week during project construction in the breeding season. These additional surveys may be suspended as approved by the Agencies. The City will notify the Agencies at least 7 days prior to the initiation of surveys and within 24 hours of locating any vireo;

b) If an active vireo nest is found within 500 feet of project construction, the biologist will inform the project engineer and/construction manager to postpone project construction within 500 feet of the nest and contact the Agencies to discuss: 1) the best approach to avoid/minimize impacts to nesting birds (e.g., sound walls, noise monitoring); and 2) a nest monitoring program acceptable to the Agencies. Subsequent to these discussions, project construction may be initiated subject to implementation of the agreed upon avoidance/minimization approach and nest monitoring program. Nest monitoring will occur according to a schedule approved by the Agencies. The biologist will determine whether bird activity is being disrupted. If the biologist determines that bird activity is being disrupted, the City will stop construction work and coordinate with the Agencies to review the avoidance/minimization approach. Upon agreement as to the necessary revisions to the avoidance/minimization approach, work may resume subject to the revisions and continued nest monitoring. Nest monitoring will continue until fledglings have dispersed, as approved by the Agencies;

c) Submit weekly observation reports (including photographs of impact areas) via regular mail or email to the Corps and Service (Agencies) during project construction within 500 feet of avoided critical habitat. The weekly reports will document that authorized impacts were not exceeded and general compliance with all conditions. The reports will also outline the duration of vireo monitoring, the location of construction activities, the type of construction that occurred, and equipment used. These reports will specify numbers, locations, and sex of vireos (if present), observed vireo behavior (especially in relation to construction activities), and remedial measures employed to avoid, minimize, and mitigate impacts to vireos. Raw field notes should be available upon request by the Agencies; and

d) Submit a final report to the Agencies within 120 days of project completion that includes: 1) as-built construction drawings with an overlay of habitat that was impacted and avoided; 2) photographs of habitat areas that were avoided; and 3) other relevant summary information documenting that authorized impacts were not exceeded and that general compliance with all conditions of this biological opinion was achieved.

5. The City will temporarily fence (with silt barriers) or flag the limits of project construction, staging areas and access routes, where appropriate, to prevent additional impacts and the spread of silt from the construction zone into adjacent avoided habitats. Fencing/flagging will be installed above the flow line of the river to create a visual

barrier regardless of how high the river gets and in a manner that does not impact avoided habitats. The City will submit to the Agencies for approval prior to initiating project impacts, photographs that show the fenced/ flagged limits of impact. If work occurs beyond the fenced/flagged limits of impact, all work will cease until the problem has been remedied to the satisfaction of the Agencies. Any riparian/wetland or upland habitat impacts that occur beyond the approved fenced/flagged areas will be offset as determined by the Agencies. Temporary construction fencing/flagging will be removed upon project completion.

6. The City will staff a biologist knowledgeable of vireo quality riparian vegetation who will be responsible for overseeing compliance with conservation measures. This biologist will be approved by the Agencies. The City will submit the biologist's name, address, telephone number, and work schedule on the project to the Agencies prior to initiating project impacts. The biologist will perform the following duties:

a. Be on site during work to ensure compliance with all conservation measures.

b. Oversee installation of and inspect the fencing/flagging and erosion control measures within project footprint a minimum of once per week and daily during all rain events to ensure that any breaks in the fencing/flagging or erosion control measures are repaired immediately.

c. Monitor the work area to ensure that work activities do not generate excessive amounts of dust.

d. Train all contractors and construction personnel on the biological resources associated with this project and ensure that training is implemented by construction personnel. At a minimum, training will include: 1) the purpose for resource protection; 2) a description of vireo critical habitat; 3) the conservation measures given in the biological opinion that should be implemented during project construction to avoid and/or minimize impacts to vireo critical habitat, including strictly limiting activities, vehicles, equipment, and construction materials to the fenced/flagged project footprint to avoid sensitive resource areas in the field (i.e., avoided areas delineated on maps or on the project site by fencing); 4) environmentally responsible construction practices in CM-3; 5) the protocol to resolve conflicts that may arise at any time during the construction process; and 6) the general provisions of the Act, the need to adhere to the provisions of the Act, and the penalties associated with violating the Act.

e. Halt work, if necessary, for any project activities that are not in compliance with the conservation measures committed to as part of the project and specified in the conditions of the Corps permit. The biologist will report any non-compliance issues to the Agencies within 24 hours of its occurrence and confer with the Agencies to ensure the proper implementation of species and habitat protection measures.

f. Submit a final report to the Agencies within 60 days of project completion that includes a figure depicting all work areas, impact areas, areas preserved, and other relevant information documenting that authorized impacts were not exceeded. This report will document general compliance with the project as described in this informal consultation and the conservation measures.

7. The City will ensure that the following environmentally responsible practices are implemented during project construction:

a) Contractors and construction personnel will strictly limit their activities, vehicles, equipment, and construction materials to the fenced project footprint.

b) The project site will be kept as clean of debris as possible. All food related trash items will be enclosed in sealed containers and regularly removed from the site.

c) Pets of project personnel will not be allowed on the project site.

d) All equipment maintenance, staging, and dispensing of fuel, oil, coolant, or any other such activities will occur in designated areas outside of waters of the United States within the fenced/flagged project impact limits. These designated areas will be located in previously compacted and disturbed areas to the maximum extent practicable in such a manner as to prevent any runoff from entering waters of the United States and will be shown on the construction plans. Fueling of equipment will take place within existing paved areas greater than 100 feet from waters of the United States. Contractor equipment will be checked for leaks prior to operation and repaired as necessary. "No-fueling zones" will be designated on construction plans.

e) Impacts from fugitive dust will be avoided and minimized through watering and other appropriate measures.

We also recommend that the Corps initiate consultation after the fact once the project is completed.

Thank you for the opportunity to comment on this RGP 63 notification. Should project plans change or if additional information on the distribution of listed or proposed species becomes available, please contact us for further guidance.

David

David A. Zoutendyk
Division Chief
U.S. Fish and Wildlife Service
2177 Salk Avenue
Carlsbad, CA 92008
(760) 431-9440x222 (P)
(760) 431-5901 (F)
David_Zoutendyk@fws.gov

On Tue, Jan 26, 2016 at 1:06 PM, Guerrero, Meris SPL <Meris.Guerrero@usace.army.mil> wrote:
Dear Regulatory Agencies,

An incomplete request for authorization under RGP No. 63 was received on January 8, 2016. The request was determined complete January 15, 2016. In accordance with regulations published at 33 CFR Part 330, information regarding this proposed discharge has been forwarded to you with this e-mail or under separate cover. Please review the materials and notify the above referenced contact if you intend to provide substantive, site specific comments to the District. Please respond with any comments no later than 1400 on January 28, 2016 if you wish to submit any comments.

Respectfully,

Meris

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US Army Corps of Engineers
Los Angeles District
Carlsbad Field Office
5900 La Place Court, Suite 100
Carlsbad, California 92008

Meris.Guerrero@usace.army.mil
Direct: 760-602-4836
Fax: 760-602-4848

---------- Forwarded message ----------
From: "Whitney, Travis" <TWhitney@sandiego.gov>
To: "Guerrero, Meris SPL" <Meris.Guerrero@usace.army.mil>, "Galer, Rose A SPL" <Rose.A.Galer@usace.army.mil>
Cc: "Monji, Alan@Waterboards" <Alan.Monji@waterboards.ca.gov>, "kelly.fisher@wildlife.ca.gov" <kelly.fisher@wildlife.ca.gov>, "Matter, Gene" <RMatter@sandiego.gov>, "Rothman, Christine" <CRothman@sandiego.gov>, "Rom, Catherine" <CRom@sandiego.gov>, "Deisher, Helene" <HMDeisher@sandiego.gov>, "Bracci, Stephanie" <SBracci@sandiego.gov>, "Nazareno, Angela" <ANazareno@sandiego.gov>, Bruce McIntyre <BruceM@helixepi.com>, Shelby Howard <ShelbyH@helixepi.com>
Date: Thu, 14 Jan 2016 16:29:02 +0000
Subject: [EXTERNAL] RE: City of San Diego - Friars Rd & Colusa St Outfall - RGP 63 Application

Meris,

Please see the attached signed RGP 63 application and associated figures for file number SPL-2016-00039-MG.

Please let me know if you need me to resend any of the other supporting documents sent on 1/9/16 as well.

Thank you,

Travis Whitney

Associate Planner

City of San Diego

Transportation & Storm Water Department

HELIX Environmental Planning, Inc.
7578 El Cajon Boulevard
Suite 200
La Mesa, CA 91942
619.462.1515 **tel**
619.462.0552 **fax**
www.**helixepi**.com

April 22, 2016 SDD-24.25

Ms. Catherine Rom
City of San Diego
Storm Water Division, Operation and Maintenance Section
2781 Caminito Chollas, MS 44
San Diego, CA 92105

Subject: Post-construction Report for the Friars Road and Colusa Street Pipe Outfall

Dear Ms. Rom:

This post construction report is being provided for the Friars Road and Colusa Street Pipe Outfall Emergency Maintenance Project, as directed in the Regional General Permit (RGP) No. 63 authorization letter[1] issued by the U.S. Army Corps of Engineers for this project. The purpose of this report is to address the Special Condition 3 requirements. This report also provides a photograph documentation log, RGP No. 63 pre-maintenance notification, 401 Certification emergency notification form, and 401 Certification final report form (see attachments)..

1. The name, address, and telephone number of the applicant and the applicant's agent (if appropriate)

Name: City of San Diego
Address: 2781 Caminito Chollas, MS 44
San Diego, CA 92105
Telephone number: 619-527-7471
Applicant's agent: Catherine Rom

[1] U.S. Army Corps of Engineers. RGP 63 Authorization letter to Mr. Gene Matter, dated March 11, 2016.

2. Full description of the activity

The emergency maintenance occurred downstream of an existing culvert located near 5505 Friars Road, at Latitude 32.7633 °N and Longitude 117.1906 °W (Figures 1 and 2). Originally, the maintenance was expected to impact 0.13 acre of wetland waters of the U.S. (WUS) immediately downstream of the Colusa Street outfall, as noted in the RGP authorization letter. However, it was determined in the field that the maintenance area could be smaller, limiting the impacts to 0.09 acre of WUS, consistent with the 401 Certification emergency notification form. Thus, the final maintenance area was an average of 13 feet wide and totaled 0.09 acre.

Emergency maintenance involved the removal of sediment from in front of the culvert as well as excavation of a 240-foot-long channel with an average width of 13 feet and a depth of up to 4 feet to establish positive drainage toward the San Diego River. In addition, the rip rap at the end of the culvert was removed and the ground beneath excavated to further encourage positive flow out of the culvert. Once the excavation was complete, the rip rap was replaced.

Excavation within the drainage was conducted by a dozer that pushed vegetation and sediment to the headwall. An excavator, located north of the headwall, removed the sediment blocking the culvert and the rip rap. It also scooped up the sediment and vegetation excavated by the dozer to create the channel. The excavator loaded the material into dump trucks. An estimated 300 to 500 tons of sediment and vegetation were removed and hauled to the Miramar Landfill.

3. Information on receiving water body impacted

The maintenance activity took place within an unnamed drainage to the San Diego River. The San Diego River is the receiving water body.

The project temporarily impacted 0.09 acre (240 linear feet) of wetland WUS within the earthen-lined section of the Colusa Street drainage through the removal of accumulated sediment and vegetation. Figure 3 provides the depiction of the work area. A total of 300 to 500 tons of vegetation and sediment were removed.

All work was monitored by a qualified biologist and all equipment and material were removed following completion of the work.

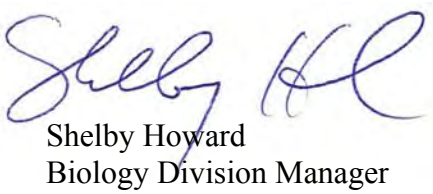
4. Information on federally listed or proposed endangered species or designated or proposed critical habitat

No impacts to federally listed or proposed endangered species occurred. All work was completed prior to the start of the breeding season for least Bell's vireo (*Vireo bellii pusillus*) and Ridgway rail (*Rallus obsoletus*) and neither species was observed or detected during the monitoring.

Please contact me with any questions or comments at (619) 462-1515.

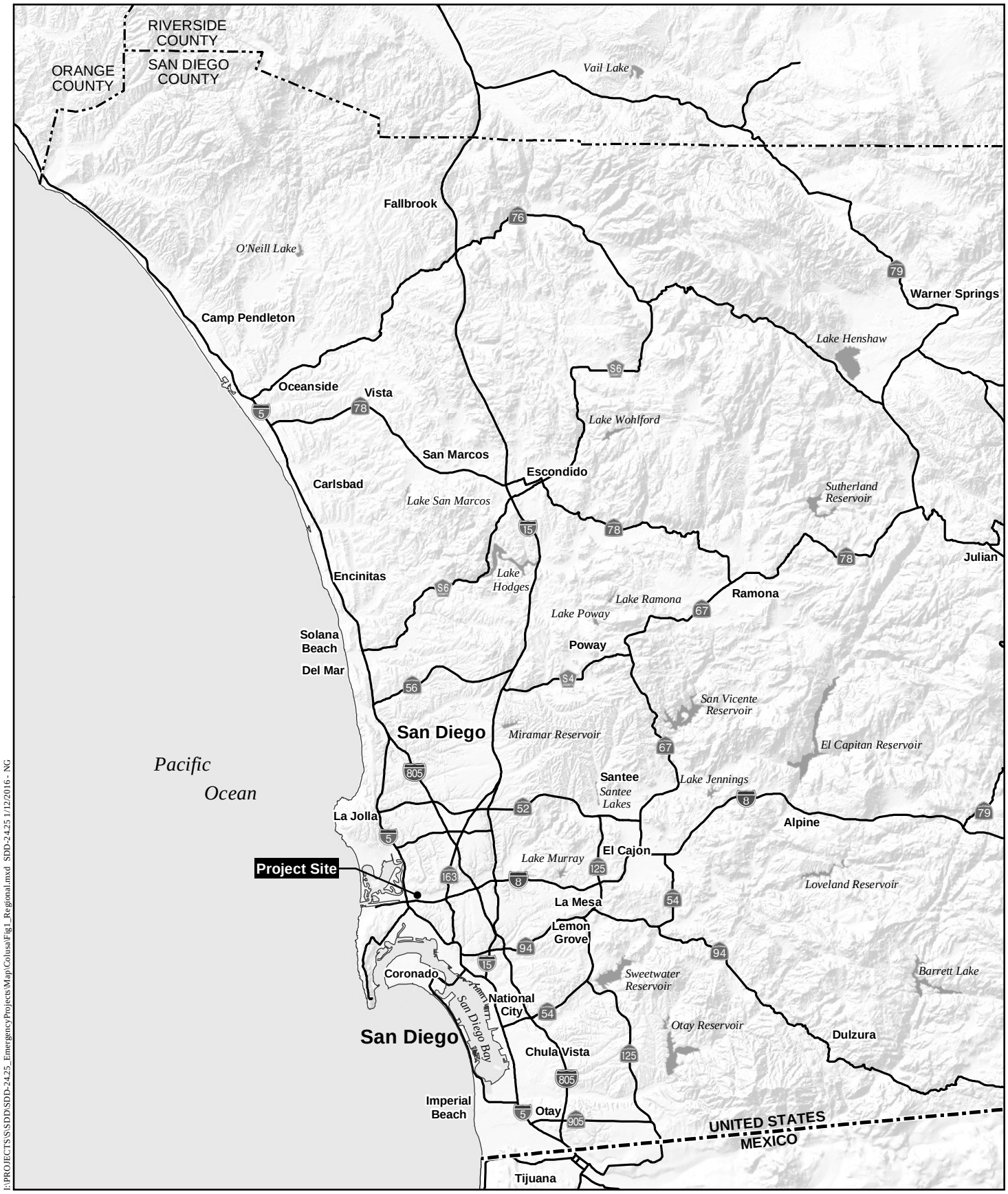
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate,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

Sincerely,



Shelby Howard
Biology Division Manager

Enclosures:
Figure 1 Regional Location Map
Figure 2 Project Vicinity Map (USGS Topography)
Figure 3 Vegetation and Jurisdictional Resources/Impacts
Pre- and Post-construction Photograph Log
RGP 63 Pre-Maintenance Notification (January 13, 2016)
401 Certification Emergency Notification Form
401 Certification Final Report Form



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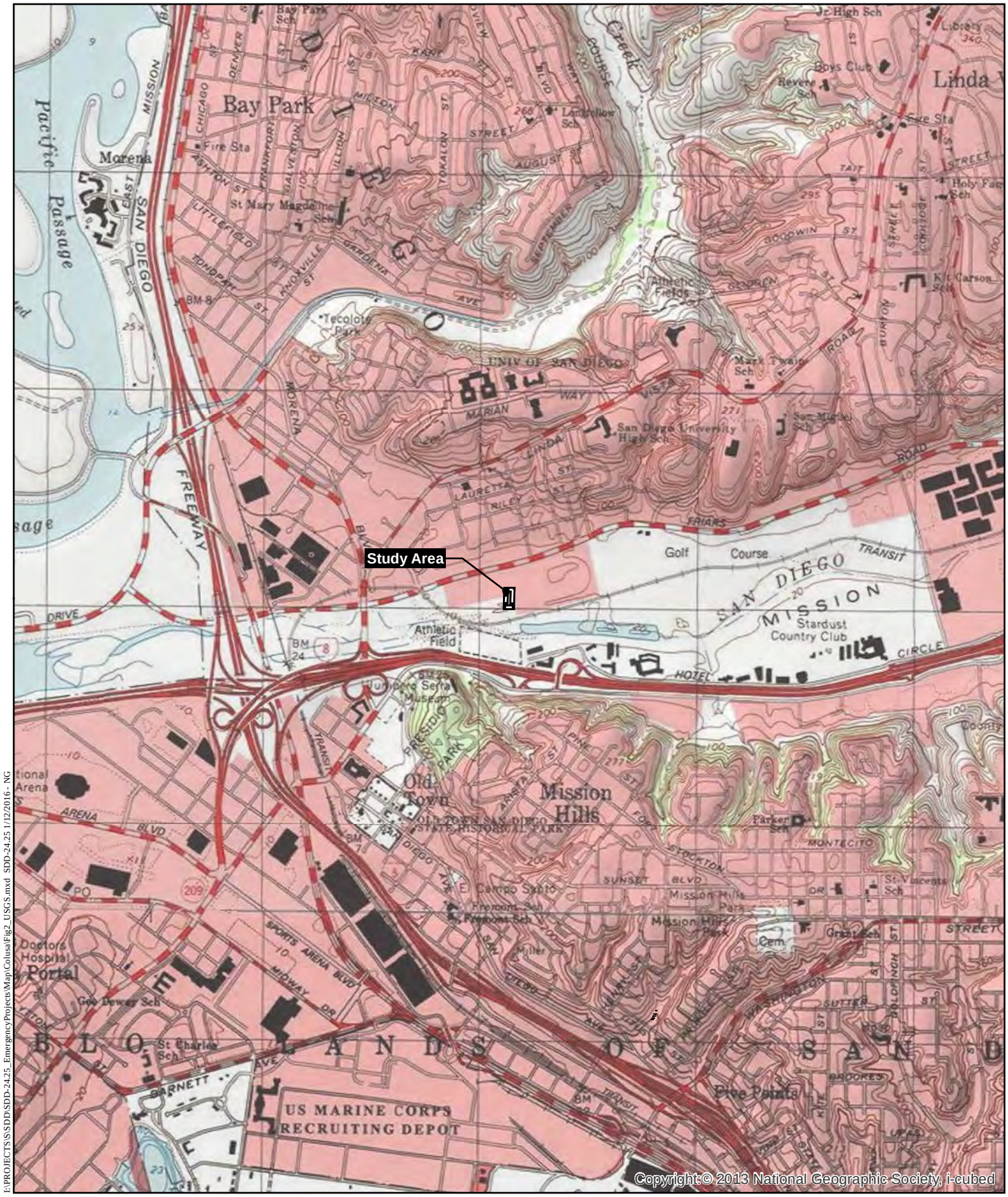
Regional Location Map

COLUSA STREET DRAINAGE

HELIX Environmental Planning

N 0 8 Miles

Figure 1



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Project Vicinity Map (USGS Topography)

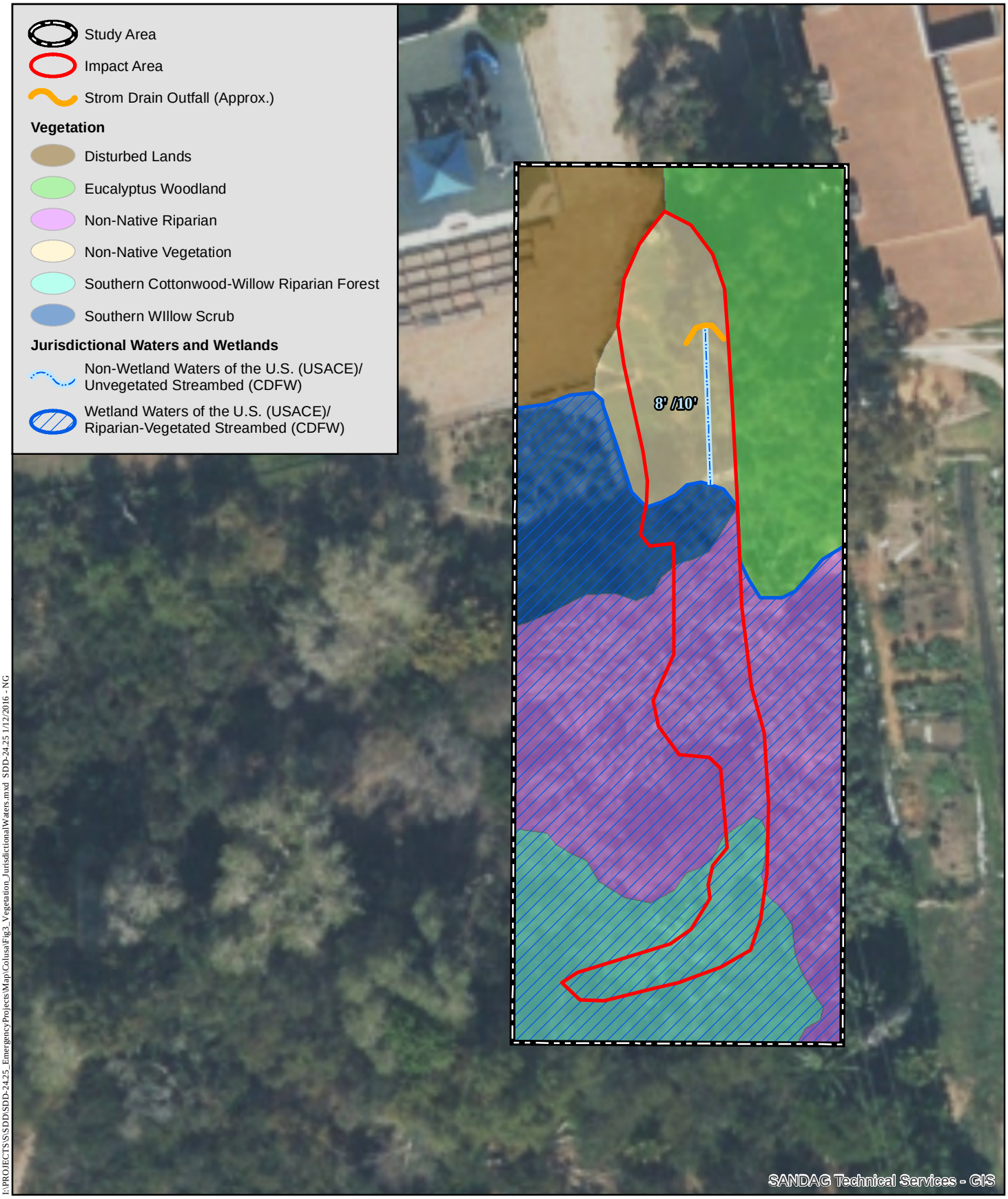
COLUSA STREET DRAINAGE

HELIX Environmental Planning

N

0 2,000 Feet

Figure 2



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Vegetation and Jurisdictional Resources/Impacts

COLUSA STREET DRAINAGE

HELIX Environmental Planning

N 0 40 Feet

Figure 3

PRE- AND POST-CONSTRUCTION PHOTOGRAPH LOG

Pre-maintenance drainage towards the south (left) and towards the north (right) on January 8, 2016.

Pumping water out of north end of drainage (left) and clearing non-native vegetation within the drainage.

Removal of sediment from the drainage (left) and removal of sediment from below the outlet (right) on January 10, 2016.

Replacement of rip rap within drainage (left and right) on February 4, 2016.

Post construction photos (left and right) on February 5, 2016.

RGP 63 PRE-MAINTENANCE NOTIFICATION (JANUARY 13, 2016)

U.S. ARMY CORPS OF ENGINEERS

APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT

33 CFR 325. The proponent agency is CECW-CO-R.

Form Approved - OMB No. 0710-0003 Expires: 30-SEPTEMBER-2015

Public reporting for this collection of information is estimated to average 11 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of the collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters, Executive Services and Communications Directorate, Information Management Division and to the Office of Management and Budget, Paperwork Reduction Project (0710-0003). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to either of those addresses. Completed applications must be submitted to the District Engineer having jurisdiction over the location of the proposed activity.

PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and/or instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)

1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED	4. DATE APPLICATION COMPLETE

(ITEMS BELOW TO BE FILLED BY APPLICANT)

5. APPLICANT'S NAME	8. AUTHORIZED AGENT'S NAME AND TITLE (agent is not required)
First - Gene Middle - Last - Matter	First - Catherine Middle - Last - Rom
Company - City of San Diego Storm Water Division	Company - City of San Diego Storm Water Division
E-mail Address - rmatter@sandiego.gov	E-mail Address - crom@sandiego.gov
6. APPLICANT'S ADDRESS:	**9. AGENT'S ADDRESS:**
Address- 2781 Caminito Chollas, MS 44	Address- 2781 Caminito Chollas, MS 44
City - San Diego State - CA Zip - 92105 Country - US	City - San Diego State - CA Zip - 92105 Country - US
7. APPLICANT'S PHONE NOs. w/AREA CODE	**10. AGENTS PHONE NOs. w/AREA CODE**
a. Residence b. Business 619-527-7506 c. Fax 619-527-7445	a. Residence b. Business 619-527-7471 c. Fax 619-527-7445

STATEMENT OF AUTHORIZATION

11. I hereby authorize, Catherine Rom to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.

SIGNATURE OF APPLICANT — DATE: 2016-01-13

NAME, LOCATION, AND DESCRIPTION OF PROJECT OR ACTIVITY

12. PROJECT NAME OR TITLE (see instructions)

Friars Road & Colusa Street Emergency Maintenance

13. NAME OF WATERBODY, IF KNOWN (if applicable)	14. PROJECT STREET ADDRESS (if applicable)
San Diego River	Address 5505 Friars Rd
15. LOCATION OF PROJECT Latitude: °N 32°45' 48" Longitude: °W 117°11' 26"	City - San Diego State- CA Zip- 92110

16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (see instructions)

State Tax Parcel ID 436-730-0500 Municipality City of San Diego

Section - Township - Range -

17. DIRECTIONS TO THE SITE

From I-5 South, take Exit 21 to Sea World Drive/Tecolote Road, turn right onto Sea World Drive/Tecolote Road; turn left onto Friars Rd; then right at the east end of the YMCA parking lot. (See Attachment A; Figures 1 and 2)

18. Nature of Activity (Description of project, include all features)

Emergency maintenance is proposed to unbury an existing culvert outfall and restore positive drainage downstream in order to alleviate flooding which has recently occurred from storm water backing up into the nearby intersection of Friars Road and Colusa Street. The maintenance is expected to affect 240 linear feet downstream of the culvert to an average width of 13 feet. Vegetation will be removed along with up to four feet of sediment. Maintenance equipment will access the maintenance area from Friars Rd. Non-native ground cover will be removed north of the project area to allow access for the dozer to the maintenance area. The skid steet will push vegetation and sediment to the headwall. An excavator, located north of the headwall, will scoop up the sediment and vegetation, and load it into dump trucks for disposal at the Miramar Landfill.

19. Project Purpose (Describe the reason or purpose of the project, see instructions)

Observations on 1/08/2016 noted significant sediment and vegetation has built up and is blocking the outfall. Previous flooding was documented by City of San Diego Storm Water Division in September 2015 at the intersection of Friars Rd. and Colusa St. During recent rains, the accumulated sediment and vegetation again prevented storm water to flow downstream within the drain pipe, resulting in sudden and unexpected flooding upstream across the street of an underground parking lot of an apartment complex at 5750 Friars Rd, and a business parking lot at 5620 Friars Rd. The accumulated water in the parking structure required pumping until it stopped raining. With the prediction of an El Niño weather pattern and heavy winter storms, the City has determined the likelihood is extremely high of existing vegetation and sediment preventing the drain pipe from carrying these heavy flows resulting in upstream flooding during future storm events. Given the current condition, removal of this downstream plug and restoring 240 linear feet of positive flow downstream will alleviate the threat of severe damage from storm flooding to the residential and commercial properties across the street.

USE BLOCKS 20-23 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

20. Reason(s) for Discharge

No discharge is anticipated to occur as a result of the emergency maintenance activities. Sediment and vegetation will be removed. Sand bags or other temporary erosion control features will not be placed in the disturbance area.

21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards:

Type Amount in Cubic Yards	Type Amount in Cubic Yards	Type Amount in Cubic Yards
Not Applicable		

22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)

Acres Not Applicable

or

Linear Feet Not Applicable

23. Description of Avoidance, Minimization, and Compensation (see instructions)

As indicated earlier, maintenance is limited to the amount necessary to unclog the existing culvert and restore positive drainage toward the San Diego River to avoid flooding which has recently occurred. Access will occur from an existing driveway. All work will be monitored by a qualified biologist, and all equipment and materials will be removed following completion of the work. A total of 0.13 acre of Wetland Waters of the United States will be impacted by the maintenance.

24. Is Any Portion of the Work Already Complete? [X] Yes [ ] No IF YES, DESCRIBE THE COMPLETED WORK

The access and staging area has been established, and pumping of flood water into storm sewer system was needed in order to get equipment into the maintenance area.

25. Addresses of Adjoining Property Owners, Lessees, Etc., Whose Property Adjoins the Waterbody (if more than can be entered here, please attach a supplemental list).

a. Address- 5505 Friars Rd

City - San Diego State - CA Zip - 92110

b. Address- • 5705 Friars Rd

City - San Diego State - CA Zip - 92110

c. Address- • 5645 Friars Rd

City - San Diego State - CA Zip - 92110

d. Address- • 5620 Friars Rd

City - San Diego State - CA Zip - 92110

e. Address- • 5750 Friars Rd

City - San Diego State - CA Zip - 92110

26. List of Other Certificates or Approvals/Denials received from other Federal, State, or Local Agencies for Work Described in This Application.

AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED
RWQCB	RGP 63 401 WQC		Concurrent		
CDFW	Emerg. Notification		TBD		
City of San Diego	Emergency Permit		Concurrent		

* Would include but is not restricted to zoning, building, and flood plain permits

27. Application is hereby made for permit or permits to authorize the work described in this application. I certify that this information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.

SIGNATURE OF APPLICANT	DATE	SIGNATURE OF AGENT	DATE
	2016-01-13		2016-01-13

The Application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than $10,000 or imprisoned not more than five years or both.

401 CERTIFICATION EMERGENCY NOTIFICATION FORM

EMERGENCY NOTIFICATION FORM FOR REGIONAL GENERAL PERMIT 63 FOR REPAIR AND PROTECTION ACTIVITIES IN EMERGENCY SITUATIONS (RGP 63)

PROPERTY OWNER		
Name: City of San Diego	Phone Number: 619-527-7506	
Mailing Address: 2781 Caminito Chollas, MS 44		
City: San Diego	State: CA	ZIP Code: 92105
Contact Person: Gene Matter	E-Mail: rmatter@sandiego.gov	

PROSPECTIVE DISCHARGER (If different from owner)		
Name:	Phone Number:	
Mailing Address:		
City:	State:	ZIP Code:
Contact Person:	E-Mail:	

PROJECT SITE LOCATION
Street (include address, if any): 5505 Friars Road
Nearest Cross Street(s): Colusa Street
County: San Diego — Total size of project site (acres): 0.09 ac
Latitude/Longitude (Center of Discharge Area) in degrees/minutes/seconds (DMS) to the nearest ½ second OR decimal degrees (DD) to four decimals (0.0001 degree)
DMS: N. Latitude Deg. 32 Min. 45 Sec. 48
W. Longitude Deg.117 Min. 11 Sec. 26
DD: N. Latitude _____
W. Longitude _____
Map Attached: ☒Yes ☐ No
Photos Attached: ☒Yes ☐ No

DISCHARGE INFORMATION	
Names of Receiving Water(s):	
San Diego River	
Receiving Water Types:	
☐Lake/Reservoir ☐Ocean/Estuary/Bay ☒River/Streambed	☐Riparian Area ☐Vernal Pool ☐Wetland
Emergency Project Description:	
Emergency maintenance is proposed to unbury an existing culvert outfall and restore positive drainage downstream in order to alleviate flooding which has recently occurred from storm water backing up into the nearby intersection of Friars Road and Colusa Street. The maintenance is	

expected to affect 240 linear feet downstream of the culvert to an average width of 13 feet. Vegetation will be removed along with up to four feet of sediment. Maintenance equipment will access the maintenance area from Friars Rd. Non-native ground cover will be removed north of the project area to allow access for the dozer to the maintenance area. The dozer will push vegetation and sediment to the headwall. An excavator, located north of the headwall, will scoop up the sediment and vegetation and load it into dump trucks for disposal at the Miramar Landfill.

Proposed Solution to Emergency:

The existing flooding caused by the blocked culvert will be alleviated by unburying the culvert outfall and restoring positive drainage toward the San Diego River.

Erosion and Sediment Control Measures Proposed:

A pump will be used to remove standing water from in front of the head wall. The water will be pumped into a sewer manhole immediately north of the head wall. No sand bags or other barriers will be used within the channel to contain the water, as no water will be present within the channel.

Description of how Emergency Definition is Satisfied:
(i.e., unexpected; potential loss of life or property)

Observations on 1/08/2016 noted significant sediment and vegetation has built up and is blocking the outfall. Previous flooding was documented by City of San Diego Storm Water Division in September 2015 at the intersection of Friars Rd and Colusa St. During recent rains, the accumulated sediment and vegetation again prevented storm water to flow downstream within the drain pipe, resulting in sudden and unexpected flooding upstream across the street of an underground parking lot of an apartment complex at 5750 Friars Rd, and a business parking lot at 5620 Friars Rd. The accumulated water in the parking structure required pumping until it stopped raining. With the prediction of an El Niño weather pattern and heavy winter storms, the City has determined the likelihood is extremely high of existing vegetation and sediment preventing the drain pipe from carrying these heavy flows resulting in upstream flooding during future storm events.

Which of these criteria does the project satisfy? (Check all that apply)

☐ Projects to maintain, repair, restore, demolish, or replace property or facilities damaged or destroyed as a result of a disaster in a disaster stricken area in which a state of emergency has been proclaimed by the Governor pursuant to the California Emergency Services Act, commencing with section 8550 of the Government Code.

☒ Emergency repairs to publicly or privately owned service facilities necessary to maintain service essential to the public health, safety, or welfare.

☒ Specific actions necessary to prevent or mitigate an emergency. This does not include long-term projects undertaken for the purpose of preventing or mitigating a situation that has a low probability of occurrence in the short-term.

☐ Projects undertaken, carried out, or approved by a public agency to maintain, repair, or restore an existing highway damaged by fire, flood, storm, earthquake, land subsidence, gradual earth movement, or landslide, provided that the project is within the existing right of way of that highway and is initiated within one year of the damage occurring. This does not apply to highways designated as official State scenic highways, nor any project undertaken, carried out, or approved by a public agency to expand or widen a highway damaged by fire, flood, storm, earthquake, land subsidence, gradual earth movement, or landslide.

☐ Seismic work on highways and bridges pursuant to section 180.2 of the Streets and Highways Code, section 180 et seq.

Fill and Excavation Discharges: For each aquatic resource type listed below indicate in acres, cubic yards, and linear feet the estimated discharge to waters of the state, and identify the impact(s) as permanent and/or temporary.

Aquatic Resource Type	Temporary Impact			Permanent Impact		
	Acres	*Cubic Yards*	*Linear Feet*	*Acres*	*Cubic Yards*	*Linear Feet*
Lake/Reservoir						
Ocean/Estuary/Bay						
Riparian Zone						
Stream Channel	0.01		48			
Vernal Pool						
Wetland	0.08		192			

CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. In addition, I certify that the provisions of this Certification and Corps Regional General Permit No. 63 will be complied with."

Signature of Discharger	Title Assistant Deputy Director
Printed or Typed Name Gene Matter	Date 01/13/2016

401 CERTIFICATION FINAL REPORT FORM

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FINAL REPORT FORM FOR REGIONAL GENERAL PERMIT 63 FOR REPAIR AND PROTECTION ACTIVITIES IN EMERGENCY SITUATIONS (RGP 63)

Instructions for Attachment E

Attachment E must be submitted electronically as a pdf with a valid signature within 45 calendar days of completion of any emergency actions conducted under RGP 63. Attachment E must be submitted to the State Water Resources Control Board (State Water Board) and the applicable Regional Water Quality Control Board (Regional Water Board).

For State Water Board Submittal
Email: Stateboard401@waterboards.ca.gov (Subject: RGP 63)

For the applicable Regional Water Board Submittal
A staff directory that includes contact information for the State and Regional Water Boards is found at:
http://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/staffdirectory.pdf

PROPERTY OWNER		
Name: City of San Diego	Phone Number: 619-527-7506	
Mailing Address: 2781 Caminito Chollas, MS 44		
City: San Diego	State: CA	City: San Diego
Contact Person: Gene Matter	E-Mail: rmatter@sandiego.gov	
BILLING ADDRESS		
Name:	Phone Number:	
Mailing Address:		
City:	State:	ZIP Code:
Contact Person:	E-Mail:	
DISCHARGER (If different from owner)		
Name:	Phone Number:	
Mailing Address:		
City:	State:	ZIP Code:
Contact Person:	E-Mail:	
PROJECT SITE LOCATION		
Street (include address, if any): 5505 Friars Road		
Nearest Cross Street(s): Colusa Street		
County: San Diego	Total size of project site (acres): 0.09	
Photos Attached: ☒ Yes ☐ No		

Latitude/Longitude (Center of Discharge Area) in degrees/minutes/seconds (DMS) to the nearest ½ second OR decimal degrees (DD) to four decimals (0.0001 degree)

DMS: N. Latitude Deg. 32 Min. 45 Sec. 48

W. Longitude Deg.117 Min. 11 Sec. 26

DD: N. Latitude _____

W. Longitude _____

Attach a map of at least 1:24000 (1" = 2000') detail of the impact site(s).

Indicate the map format used (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 aquatic resource type. 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.

☐ **Google KML files** saved from Google Maps: My Maps (free) or Google Earth Pro (not free). Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted.*

☐ Aquatic resource maps marked on paper USGS 7.5 minute **topographic maps** or DOQQ printouts. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted.

*** If using Google Maps: My Maps or similar, provide URL(s) of maps.**

DISCHARGE INFORMATION	
Project Start Date: 1/9/16	Project Completion Date: 2/4/16
Names of Receiving Water(s):	
San Diego River	
Receiving Water Types:	
☐Lake/Reservoir ☐ Ocean/Estuary/Bay ☒ River/Streambed	☐Riparian Area ☐Vernal Pool ☐Wetland
Regulatory Agencies with Jurisdiction Over Project and Associated Permits/Agreements:	
U.S. Army Corps of Engineers and Regional Water Quality Control Board: RGP 63 and 401 Certification; California Department of Fish and Wildlife: Lake and Streambed Alteration Notification City of San Diego Development Services Department: CEQA Notice of Exemption and Emergency Permit	
Emergency Project Description: (e.g. discharge of riprap; discharge of fill; excavation for a utility line)	
The emergency maintenance occurred downstream of an existing culvert located near 5505 Friars Road. Emergency maintenance involved the removal of sediment from in front of the culvert as well as excavation of a 240-foot-long channel with an average width of 13 feet and a depth of up to four feet to establish positive drainage toward the San Diego River. In addition, the rip rap at the end of the culvert was removed and the ground beneath excavated to further encourage positive flow out of the culvert. Once the excavation was complete, the rip rap was replaced.	

Excavation within the drainage was conducted by a dozer that pushed vegetation and sediment to the headwall. An excavator, located north of the headwall, removed the sediment blocking the culvert and the rip rap. It also scooped up the sediment and vegetation excavated by the dozer to create the channel. The excavator loaded the material into dump trucks. An estimated 300-500 tons of sediment and vegetation were removed and hauled to the Miramar Landfill.

Purpose of the Entire Project Activity: (e.g. stream-bank erosion control; maintain, repair, or restore damaged property)

The purpose of the emergency maintenance was to unbury an existing culvert outfall and restore positive drainage downstream in order to alleviate flooding. Observations on 1/08/16 noted significant sediment and vegetation had built up and was blocking the outfall. Previous flooding was documented by City of San Diego Storm Water Division in September 2015 at the intersection of Friars Rd and Colusa St. During recent rains, the accumulated sediment and vegetation again prevented storm water flow downstream within the drain pipe, resulting in sudden and unexpected flooding upstream across the street of an underground parking lot of an apartment complex at 5750 Friars Rd, and a business parking lot at 5636 Friars Rd. The accumulated water in the parking structure required pumping until it stopped raining. With the prediction of an El Niño weather pattern and heavy winter storms, the City determined the likelihood was extremely high of existing vegetation and sediment preventing the drain pipe from carrying these heavy flows resulting in upstream flooding during future storm events. Given the likelihood of heavy rains, the pre-maintenance conditions constituted an emergency situation requiring immediate action.

Erosion and Sediment Control Measures Implemented:

A pump was used to remove standing water from in front of the head wall. The water was pumped into a sewer manhole immediately north of the head wall. No sand bags or other barriers were used within the channel to contain the water, as no water was present within the channel.

Pollution Prevention Measures Implemented:

Appropriate materials were kept on site to contain potential spills, and no spills occurred. Fueling, vehicle maintenance, and storage were located outside of waters of the state. All construction materials and debris were removed following completion of the emergency maintenance.

Fill and Excavation Discharges: For each aquatic resource type listed below indicate in acres, cubic yards, and linear feet the actual discharge to waters of the state, and identify the impact(s) as permanent and/or temporary.

Aquatic Resource Type	**Temporary Impact**			**Permanent Impact**		
	Acres	*Cubic Yards*	*Linear Feet*	*Acres*	*Cubic Yards*	*Linear Feet*
Lake/Reservoir						
Ocean/Estuary/Bay						
Riparian Zone						
Stream Channel	0.01		48			
Vernal Pool						
Wetland	0.08		192			

COMPENSATORY MITIGATION

Required: ☐ Yes ☒ No | Photos Attached: ☐Yes ☒ No

Compensatory Mitigation Description (include aquatic resource type and acres and linear feet):

None currently documented by RWQCB under this Section 401 Certification.

MITIGATION SITE LOCATION
Street (include address, if any):
Nearest Cross Street(s):
County:
Latitude/Longitude (Center of Mitigation Area) in degrees/minutes/seconds (DMS) to the nearest ½ second OR decimal degrees (DD) to four decimals (0.0001 degree) DMS: N. Latitude Deg. _____ Min. _____ Sec. _____ W. Longitude Deg. _____ Min. _____ Sec. _____ DD: N. Latitude _____ W. Longitude _____ **Attach a map of at least 1:24000 (1" = 2000') detail of the mitigation site.** **Indicate the map format used** (listed in order of preference): ☐ **GIS shapefiles**. The shapefiles must depict the boundaries of all project(s) and extent of aquatic resources. Each shape should be attributed with the aquatic resource type. 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. ☐ **Google KML files** saved from Google Maps: My Maps (free) or Google Earth Pro (not free). Maps must show the boundaries of all project(s) and extent/type of aquatic resources.* ☐ Aquatic resource maps marked on paper USGS 7.5 minute **topographic maps** or DOQQ printouts. Maps must show the boundaries of all project(s) and extent/type of aquatic resources. *** If using Google Maps: My Maps or similar, provide URL(s) of maps.**

CERTIFICATION	
"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. In addition, I certify that the provisions of this Certification and Corps Regional General Permit No. 63 will be complied with."	
Signature of Discharger	Title Assistant D.D.
Printed or Typed Name Gene Matter	Date 6-10-16

TITUS CHANNEL
(MMP MAP N/A)

ACOE RGP 63 Authorization
RWQCB 401 Certification Email
RWQCB Attachment E

HELIX Environmental Planning, Inc.
7578 El Cajon Boulevard
Suite 200
La Mesa, CA 91942
619.462.1515 **tel**
619.462.0552 **fax**
www.**helixepi**.com

September 21, 2016 SDD-24.25

Ms. Jamie Kennedy
City of San Diego
Storm Water Division, Operation and Maintenance Section
2781 Caminito Chollas
San Diego, CA 92105

Subject: Post construction report for the Titus Street Drainage Sediment Removal Project

Dear Ms. Kennedy:

This post construction report is being provided for the Titus Street Drainage Sediment Removal Project. Initial work for the project was completed on January 2, 2016 without the need for permits because the U.S. Army Corps of Engineers (USACE) and Regional Water Quality Control Board (RWQCB) determined the work was exempt from regulation; equipment was located outside of Waters of the U.S. and work was limited to removal of accumulated sediment (no fill was placed). A series of large storm events occurred from January 4-7, 2016, prompting the need for emergency maintenance with mechanized equipment within the drainage. On January 8, 2016, the City notified USACE and RWQCB via email that a unilateral decision was made to perform the minimum work necessary to alleviate the emergency (see Attachment A), and work was completed January 9. The City submitted an application for enrollment under Regional General Permit (RGP) 63 and the associated 401 Certification on January 13, 2016.

The purpose of this report is to address reporting requirements of General Conditions 3 and 26 of RGP 63. This report also provides a photograph documentation log, RGP 63 pre-maintenance notification, Regional Water Quality Control Board (RWQCB) 401 Certification emergency notification form, and 401 Certification final report form (see attachments).

1. The name, address, and telephone number of the applicant and the applicant's agent (if appropriate)

Name: City of San Diego
Address: 2781 Caminito Chollas, MS 44, San Diego, CA 92105
Telephone number: 619-527-3445
Applicant's agent: Stephanie Bracci

2. Full description of the activity

Reports of flooding were communicated to City of San Diego staff by concerned residents located at 1850 Titus Street during site visits. Observations indicated that debris and sediment that had accumulated against a trash fence had significantly undermined the ability of the drainage to convey flows into a 30" pipe which runs under 1850 Titus Street. Observations also indicated that storm flows had flooded the multi-unit properties located at 1850 and 1864 Titus Street during the storm that occurred from January 4 – 7, 2016. Based on the forecasted El Niño-influenced weather patterns and the scale of the National Weather Service precipitation predictions, these conditions constituted an imminent flooding threat through a severe reduction in flow rates and the potential for flooding adjacent properties. Given the likelihood of heavy rains, the pre-maintenance conditions constituted an emergency situation requiring immediate action.

The drainage is located at 1850 Titus Street in the City of San Diego, 92110, within Section 27, Township 16 South and Range 3 West at Latitude 32.44.42°N and Longitude 117.11.24°W (Figures 1 and 2). The site is within Mission Hills Open Space and is within the MHPA. The purpose of the work was to remove sediment and debris from within an earthen and mostly unvegetated drainage to restore the capacity of the area upstream of the culvert to accommodate storm water flows. Maintenance began on January 2, 2016 with excavation to remove accumulated sediment (determined not to require permit authorization from the US Army Corps of Engineers). The work area re-filled with sediment and overflowed as a result of the significant rain event that fell January 4 – 7, 2016. Emergency maintenance occurred on January 9, 2016 after notification to the US Army Corps of Engineers.

The total size of the maintenance area was 0.16 acre. The maintenance extended a distance of approximately 187 linear feet to a width of no more than 20 feet. The maintenance affected 0.14 acre of disturbed habitat and 0.02 acre of non-native vegetation, of which 0.06 acre was non-wetland Waters of the U.S. An estimated 200 cubic yards of sediment and debris were excavated and transported to Miramar Landfill for disposal.

3. Information on receiving water body impacted

The maintenance activity took place within an unnamed ephemeral drainage which is ultimately tributary to San Diego Bay.

The project resulted in temporary impacts to 0.06 acre of non-wetland Waters of the U.S. under the jurisdiction of USACE and RWQCB. Impacts to Waters of the U.S. resulted from the use of tracked

equipment to remove accumulated sediment from the drainage. The width of the Waters of the U.S. ranged from 8 to 18 feet (Figure 3). An estimated 200 cubic yards of sediment and debris were excavated and hauled to a landfill.

Temporary impacts to CDFW jurisdictional areas totaled 0.07 acre, consisting of unvegetated streambed that ranged from 10 to 20 feet in width.

Work was monitored by a qualified biologist and all equipment and material were removed following completion of the work.

All jurisdictional impacts associated with this emergency maintenance work were considered temporary; no permanent loss of wetland or non-wetland waters of the U.S. occurred. No compensatory mitigation is proposed.

4. Information on federally listed or proposed endangered species or designated or proposed critical habitat

No impacts to federally listed or proposed endangered species occurred. As the work was done outside the nesting season, no nesting birds were affected.

No impacts to federally listed or proposed endangered species occurred.

Please contact me with any questions or comments at (619) 462-1515.

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.

Sincerely,

Jasmine Bakker
Senior Scientist

Enclosures:

Figure 1	Regional Location Map
Figure 2	Project Vicinity Map (USGS Topography)
Figure 3	Impacts to USACE and RWQCB Jurisdictional Waters
Attachment A	Agency Notifications and Responses
Attachment B	401 Certification (Attachment E): Final Report Form
Attachment C	Pre- and Post-construction Photograph Log

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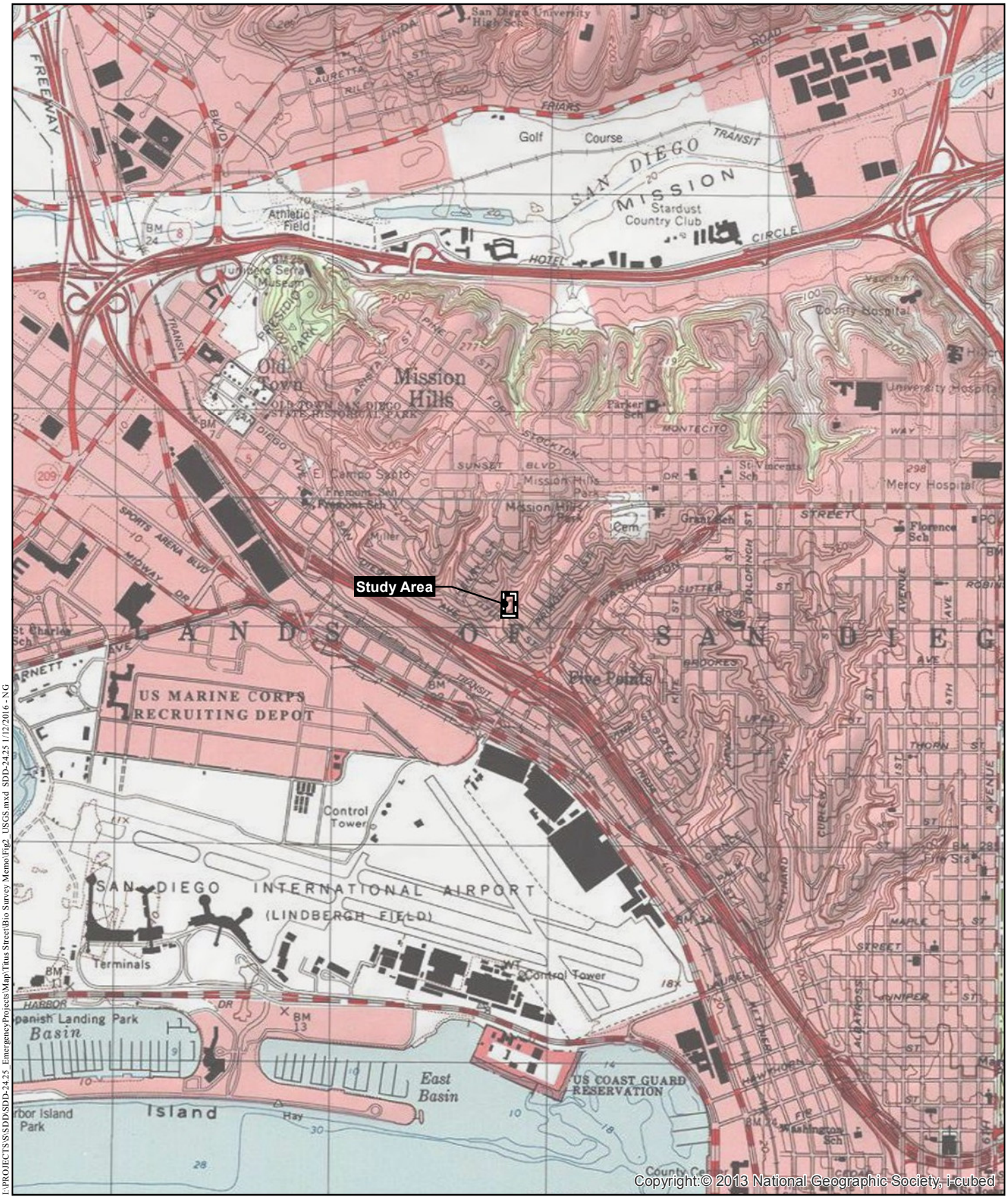
Regional Location Map

TITUS STREET DRAINAGE

HELIX Environmental Planning

N 0 8 Miles

Figure 1



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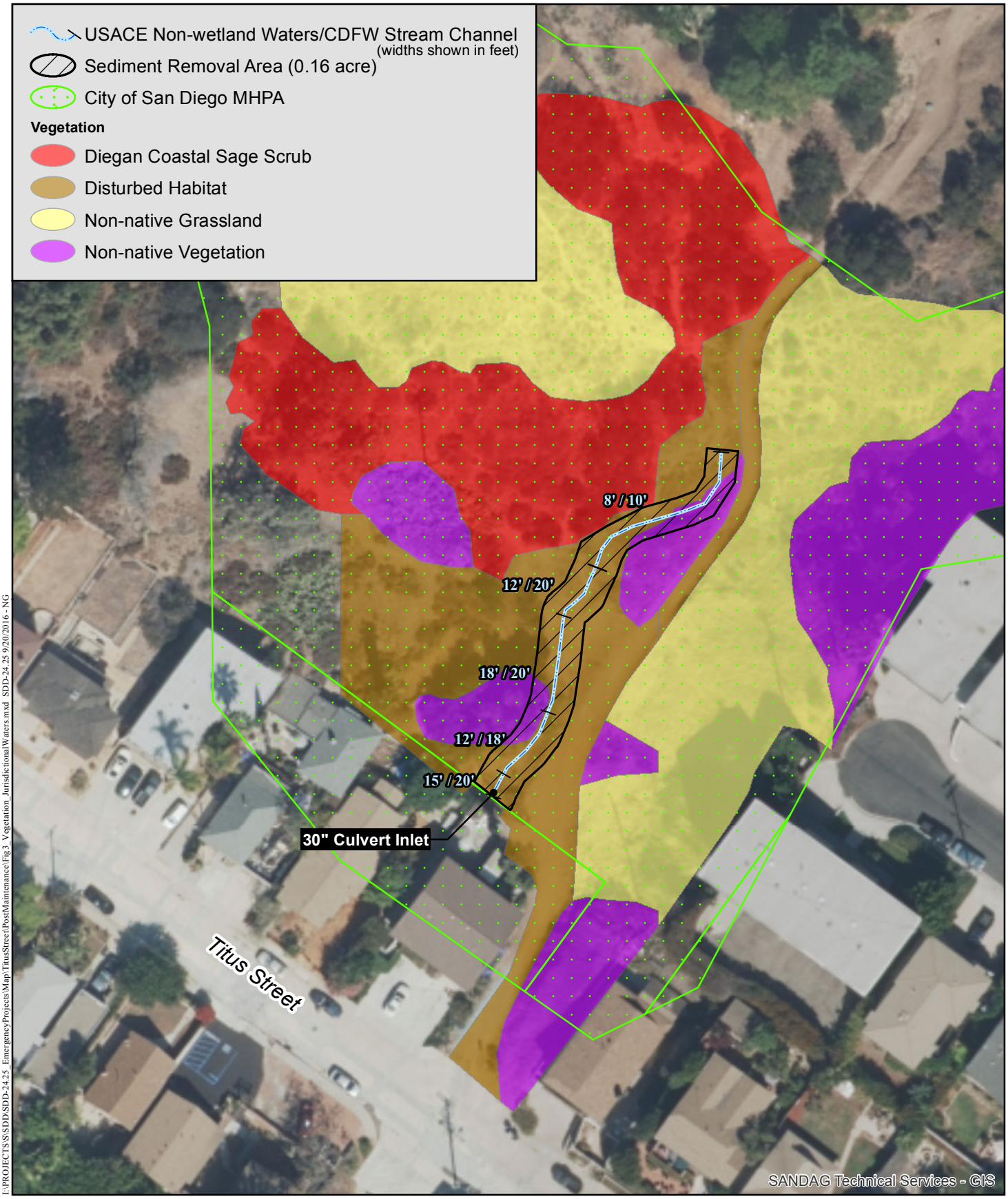
Project Vicinity Map (USGS Topography)

TITUS STREET DRAINAGE

HELIX Environmental Planning

N 0 2,000 Feet

Figure 2



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Vegetation and Jurisdictional Waters

TITUS STREET DRAINAGE

HELIX Environmental Planning

N 0 60 Feet

Figure 3

Email 1 of 4

Bracci, Stephanie

From: Galer, Rose A SPL <Rose.A.Galer@usace.army.mil>
Sent: Wednesday, December 09, 2015 10:43 AM
To: Bracci, Stephanie; Guerrero, Meris SPL; Lisa Honma (lisa.honma@waterboards.ca.gov); Monji, Alan@Waterboards; eric.becker@waterboards.ca.gov
Cc: Rothman, Christine
Subject: RE: Non-vegetated earthen drainage excavation (UNCLASSIFIED)
Attachments: 33cfr323_Permits for Discharges of Dredged or Fill Material Into Waters of the U.S.pdf

Classification: UNCLASSIFIED
Caveats: NONE

Stephanie-

Thanks for the follow up. Yes, I confirm that if the equipment was staged outside of the jurisdictional area or if the equipment had rubber tires and the channel bottom or bank was not negatively affected by the activity, then you would not need a permit from the Corps to do that work. This is in accordance with regulations at 33 CFR 323 (attached for your reference).

Best,
Rose Galer
Project Manager, Carlsbad Field Office
U.S. Army Corps of Engineers, Regulatory Branch
5900 La Place Court, Suite 100
Carlsbad, CA 92008
Rose.A.Galer@usace.army.mil
(760) 602-4835 (direct)
(760) 277-5225 (blackberry)
(760) 602-4848 (fax)
(Please note: we do not have out-of-office notifications)

-----Original Message-----
From: Bracci, Stephanie [mailto:SBracci@sandiego.gov]
Sent: Thursday, December 03, 2015 10:40 AM
To: Galer, Rose A SPL; Guerrero, Meris SPL; Lisa Honma (lisa.honma@waterboards.ca.gov); Monji, Alan@Waterboards; eric.becker@waterboards.ca.gov
Cc: Rothman, Christine
Subject: [EXTERNAL] Non-vegetated earthen drainage excavation

Hello Army Corps and Regional Board Staff,

Towards the end of our meeting on November 17, we discussed a non-vegetated earthen drainage with a clogged trash fence that flows into a culvert under a residential property. Debris and sediment that has accumulated behind the trash fence requires removal to prevent ongoing flooding. Attached is the brief project description, photos, and a draft map indicating jurisdictional waters that I handed out at the meeting.

Per our discussion at the meeting, it was concluded (and both of your agencies concurred) that if work involved only excavation (i.e. equipment was staged outside of the channel and reached into the channel to scoop out debris or if equipment with rubber tires was used inside of the channel to scoop debris) there would be no discharge associated with the maintenance activity, and therefore no permit would be required. A discharge would occur if there is a deposit or redeposit of sediment, such as from pushing soil or tracked equipment driving into the drainage.

Can you provide confirmation of this discussion and conclusion for our records? A response to this email would be sufficient. Thank you.

Stephanie Bracci

Senior Planner

City of San Diego

Transportation & Storm Water Department

Storm Water Division

2781 Caminito Chollas, MS 44

San Diego, CA 92105

(619) 527-3445

sbracci@sandiego.gov <mailto:sbracci@sandiego.gov>

Classification: UNCLASSIFIED
Caveats: NONE

Email 2 of 4

Bracci, Stephanie

From: Monji, Alan@Waterboards <Alan.Monji@waterboards.ca.gov>
Sent: Wednesday, December 09, 2015 11:10 AM
To: Galer, Rose A SPL; Bracci, Stephanie; Guerrero, Meris SPL; Honma, Lisa@Waterboards; Becker, Eric@Waterboards
Cc: Rothman, Christine
Subject: RE: Non-vegetated earthen drainage excavation (UNCLASSIFIED)

Hi Stephanie:

Not sure if anyone from our office replied to you yet. If the work is done as described, I do not think you will need a permit from the SDWB. Please make sure you have the proper BMPs in place or nearby to prevent any accidental discharges of silt and sediment. Looks like rain is in the forecast for this week. All excavated material should be placed directly into a truck and immediately hauled away for proper disposal.

Alan T. Monji
Environmental Scientist
Regional Water Quality Control Board - San Diego
2375 Northside Dr. Suite 100
San Diego CA 92108
619-521-3968

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-----Original Message-----
From: Galer, Rose A SPL [mailto:Rose.A.Galer@usace.army.mil]
Sent: Wednesday, December 09, 2015 10:43 AM
To: Bracci, Stephanie; Guerrero, Meris SPL; Honma, Lisa@Waterboards; Monji, Alan@Waterboards; Becker, Eric@Waterboards
Cc: Rothman, Christine
Subject: RE: Non-vegetated earthen drainage excavation (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Stephanie-

Thanks for the follow up. Yes, I confirm that if the equipment was staged outside of the jurisdictional area or if the equipment had rubber tires and the channel bottom or bank was not negatively affected by the activity, then you would not need a permit from the Corps to do that work. This is in accordance with regulations at 33 CFR 323 (attached for your reference).

Best,
Rose Galer
Project Manager, Carlsbad Field Office
U.S. Army Corps of Engineers, Regulatory Branch
5900 La Place Court, Suite 100

Carlsbad, CA 92008
Rose.A.Galer@usace.army.mil
(760) 602-4835 (direct)
(760) 277-5225 (blackberry)
(760) 602-4848 (fax)
(Please note: we do not have out-of-office notifications)

-----Original Message-----
From: Bracci, Stephanie [mailto:SBracci@sandiego.gov]
Sent: Thursday, December 03, 2015 10:40 AM
To: Galer, Rose A SPL; Guerrero, Meris SPL; Lisa Honma (lisa.honma@waterboards.ca.gov); Monji, Alan@Waterboards; eric.becker@waterboards.ca.gov
Cc: Rothman, Christine
Subject: [EXTERNAL] Non-vegetated earthen drainage excavation

Hello Army Corps and Regional Board Staff,

Towards the end of our meeting on November 17, we discussed a non-vegetated earthen drainage with a clogged trash fence that flows into a culvert under a residential property. Debris and sediment that has accumulated behind the trash fence requires removal to prevent ongoing flooding. Attached is the brief project description, photos, and a draft map indicating jurisdictional waters that I handed out at the meeting.

Per our discussion at the meeting, it was concluded (and both of your agencies concurred) that if work involved only excavation (i.e. equipment was staged outside of the channel and reached into the channel to scoop out debris or if equipment with rubber tires was used inside of the channel to scoop debris) there would be no discharge associated with the maintenance activity, and therefore no permit would be required. A discharge would occur if there is a deposit or redeposit of sediment, such as from pushing soil or tracked equipment driving into the drainage.

Can you provide confirmation of this discussion and conclusion for our records? A response to this email would be sufficient. Thank you.

Stephanie Bracci

Senior Planner

City of San Diego

Transportation & Storm Water Department

Storm Water Division

2781 Caminito Chollas, MS 44

San Diego, CA 92105

(619) 527-3445

sbracci@sandiego.gov <mailto:sbracci@sandiego.gov>

Classification: UNCLASSIFIED
Caveats: NONE

Email 3 of 4

Kennedy, Jamie

From:	Kennedy, Jamie
Sent:	Friday, January 08, 2016 1:02 PM
To:	'Monji, Alan@Waterboards'; Galer, Rose A SPL; Bracci, Stephanie; Guerrero, Meris SPL; Honma, Lisa@Waterboards; Becker, Eric@Waterboards
Cc:	Rothman, Christine; Matter, Gene; Kleis, Andrew (AKleis@sandiego.gov); Scampone, John; Bruce McIntyre
Subject:	Additional Maintenance Titus St
Attachments:	P1020386.jpg; P1020393.jpg; P1020397.jpg; P1020418.jpg; P1020384.jpg; Titus

Good morning,

After the recent rains, this drainage has again filled with sediment. These pictures are from this Wednesday 1/6. According to weather underground, 1.65" of rain fell at nearby Lindbergh Field on 1/5. Damage occurred to two vehicles; water overtopped the sedan (see mud on windows) and waters came as high as the recycling bin in the final picture. This evidence shows that the existing sediment basin and trash fence has insufficient capacity to accommodate the sediment from the canyon even in a single day of rain, and rain on Wednesday and Thursday has exacerbated the flooding damage.

Thus, additional maintenance is planned for this weekend. The maintenance crew will impact up to an additional 100 linear feet of channel than previously maintained. According to our permitting consultant's email attached, 50 feet of this additional 100 feet was described and mapped previously. This afternoon, a biologist will perform a JD of the area upstream. Maintenance methods will now include a bulldozer in the channel because the banks are no longer stable enough to stage equipment. All excavated sediment will still be handled in the manner Alan Monji describes below. A qualified biological monitor from Helix Environmental Planning will be on site at all times to monitor impacts and delineate sensitive areas to avoid, especially Diegan Coastal Sage Scrub.

I will inform you of any other major changes to this project as I am notified of them. The City will provide all requisite after-the-fact documentation, and I will be available after hours at my cell to answer any questions.

Best,
Jamie Kennedy
Associate Planner, City of San Diego Storm Water Division
Cell: 909-973-2998

-----Original Message-----
From: Monji, Alan@Waterboards [mailto:Alan.Monji@waterboards.ca.gov]
Sent: Wednesday, December 09, 2015 11:10 AM
To: Galer, Rose A SPL <Rose.A.Galer@usace.army.mil>; Bracci, Stephanie <SBracci@sandiego.gov>; Guerrero, Meris SPL <Meris.Guerrero@usace.army.mil>; Honma, Lisa@Waterboards <Lisa.Honma@waterboards.ca.gov>; Becker, Eric@Waterboards <Eric.Becker@waterboards.ca.gov>
Cc: Rothman, Christine <CRothman@sandiego.gov>
Subject: RE: Non-vegetated earthen drainage excavation (UNCLASSIFIED)

Hi Stephanie:

Not sure if anyone from our office replied to you yet. If the work is done as described, I do not think you will need a permit from the SDWB. Please make sure you have the proper BMPs in place or nearby to prevent any accidental discharges of silt and sediment. Looks like rain is in the forecast for this week. All excavated material should be placed directly into a truck and immediately hauled away for proper disposal.

Alan T. Monji
Environmental Scientist
Regional Water Quality Control Board - San Diego
2375 Northside Dr. Suite 100
San Diego CA 92108
619-521-3968

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-----Original Message-----
From: Galer, Rose A SPL [mailto:Rose.A.Galer@usace.army.mil]
Sent: Wednesday, December 09, 2015 10:43 AM
To: Bracci, Stephanie; Guerrero, Meris SPL; Honma, Lisa@Waterboards; Monji, Alan@Waterboards; Becker, Eric@Waterboards
Cc: Rothman, Christine
Subject: RE: Non-vegetated earthen drainage excavation (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Stephanie-

Thanks for the follow up. Yes, I confirm that if the equipment was staged outside of the jurisdictional area or if the equipment had rubber tires and the channel bottom or bank was not negatively affected by the activity, then you would not need a permit from the Corps to do that work. This is in accordance with regulations at 33 CFR 323 (attached for your reference).

Best,
Rose Galer
Project Manager, Carlsbad Field Office
U.S. Army Corps of Engineers, Regulatory Branch
5900 La Place Court, Suite 100
Carlsbad, CA 92008
Rose.A.Galer@usace.army.mil
(760) 602-4835 (direct)
(760) 277-5225 (blackberry)
(760) 602-4848 (fax)
(Please note: we do not have out-of-office notifications)

-----Original Message-----
From: Bracci, Stephanie [mailto:SBracci@sandiego.gov]
Sent: Thursday, December 03, 2015 10:40 AM
To: Galer, Rose A SPL; Guerrero, Meris SPL; Lisa Honma (lisa.honma@waterboards.ca.gov); Monji, Alan@Waterboards; eric.becker@waterboards.ca.gov

Cc: Rothman, Christine
Subject: [EXTERNAL] Non-vegetated earthen drainage excavation

Hello Army Corps and Regional Board Staff,

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Storm Water Division

2781 Caminito Chollas, MS 44

San Diego, CA 92105

(619) 527-3445

sbracci@sandiego.gov <mailto:sbracci@sandiego.gov>

Kennedy, Jamie

From:	Bracci, Stephanie
Sent:	Wednesday, January 13, 2016 4:46 PM
To:	Galer, Rose A SPL
Cc:	Rothman, Christine; Matter, Gene; Bruce McIntyre; Monji, Alan@Waterboards; Guerrero, Meris SPL; Becker, Eric@Waterboards; Lisa Honma (lisa.honma@waterboards.ca.gov); Deisher, Helene; Kelly Fisher (Kelly.Fisher@wildlife.ca.gov); Kennedy, Jamie
Subject:	City of San Diego Titus Street Drainage Emergency RGP 63 Application
Attachments:	USACE_RGP63_EngForm4345_TitusStDrainEmerg.pdf

Hi Rose,

Please find the attached notification for emergency maintenance at the Titus Street Drainage in the Uptown/Mission Hills area of San Diego as well as a photo log and figures.

Kelly, Lisa, Helene– Please find the attached notification for your records.

Please feel free to contact me if there are any questions or if additional information is needed.

Thanks,

Stephanie Bracci
Senior Planner

City of San Diego
Transportation & Storm Water Department
Storm Water Division
2781 Caminito Chollas, MS 44
San Diego, CA 92105
(619) 527-3445
sbracci@sandiego.gov

-----Original Message-----
From: Galer, Rose A SPL [mailto:Rose.A.Galer@usace.army.mil]
Sent: Tuesday, January 12, 2016 9:07 AM
To: Kennedy, Jamie <JMKennedy@sandiego.gov>
Cc: Rothman, Christine <CRothman@sandiego.gov>; Matter, Gene <RMatter@sandiego.gov>; Kleis, Andrew <AKleis@sandiego.gov>; Scampone, John <JScampone@sandiego.gov>; Bruce McIntyre <BruceM@helixepi.com>; Monji, Alan@Waterboards <Alan.Monji@waterboards.ca.gov>; Bracci, Stephanie <SBracci@sandiego.gov>; Guerrero, Meris SPL <Meris.Guerrero@usace.army.mil>; Honma, Lisa@Waterboards <Lisa.Honma@waterboards.ca.gov>; Becker, Eric@Waterboards <Eric.Becker@waterboards.ca.gov>
Subject: RE: Additional Maintenance Titus St (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Jamie-

I did some checking on the Titus Street project and we do think that both the work that was completed on 1/8/16 and the possible future work need permits. Per our conversation this morning, it sounds like the excavation work that was completed with the mechanized equipment and the change of channel grade could fall under RGP 63. We

would need you to submit the Form 4345 and describe in detail what work was completed on 1/8/16. In addition, please submit an application for what work would be needed as a long-term solution to the sediment build up and to stabilize the channel banks. This additional work may not qualify for RGP 63, depending on what needs to be done it may need a different permit.

Thank you for the update and let me know if you have any additional questions.

Best Regards,
Rose Galer
Project Manager, Carlsbad Field Office
U.S. Army Corps of Engineers, Regulatory Division
5900 La Place Court, Suite 100
Carlsbad, CA 92008
Rose.A.Galer@usace.army.mil
(760) 602-4835 (direct)
(760) 277-5225 (blackberry)
(760) 602-4848 (fax)
(Please note: we do not have out-of-office notifications)

-----Original Message-----
From: Kennedy, Jamie [mailto:JMKennedy@sandiego.gov]
Sent: Friday, January 08, 2016 1:04 PM
To: Monji, Alan@Waterboards; Galer, Rose A SPL; Bracci, Stephanie; Guerrero, Meris SPL; Honma, Lisa@Waterboards; Becker, Eric@Waterboards
Cc: Rothman, Christine; Matter, Gene; Kleis, Andrew; Scampone, John; Bruce McIntyre
Subject: [EXTERNAL] Additional Maintenance Titus St

Good morning,

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Cc: Rothman, Christine <CRothman@sandiego.gov>
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Sent: Wednesday, December 09, 2015 10:43 AM
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Cc: Rothman, Christine
Subject: RE: Non-vegetated earthen drainage excavation (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

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Sent: Thursday, December 03, 2015 10:40 AM
To: Galer, Rose A SPL; Guerrero, Meris SPL; Lisa Honma (lisa.honma@waterboards.ca.gov); Monji, Alan@Waterboards; eric.becker@waterboards.ca.gov
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(619) 527-3445

sbracci@sandiego.gov <mailto:sbracci@sandiego.gov>

Classification: UNCLASSIFIED
Caveats: NONE

Classification: UNCLASSIFIED
Caveats: NONE

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FINAL REPORT FORM FOR REGIONAL GENERAL PERMIT 63 FOR REPAIR AND PROTECTION ACTIVITIES IN EMERGENCY SITUATIONS (RGP 63)

Instructions for Attachment E

Attachment E must be submitted electronically as a pdf with a valid signature within 45 calendar days of completion of any emergency actions conducted under RGP 63. Attachment E must be submitted to the State Water Resources Control Board (State Water Board) and the applicable Regional Water Quality Control Board (Regional Water Board).

For State Water Board Submittal
Email: Stateboard401@waterboards.ca.gov (Subject: RGP 63)

For the applicable Regional Water Board Submittal
A staff directory that includes contact information for the State and Regional Water Boards is found at:
http://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/staffdirectory.pdf

PROPERTY OWNER		
Name: City of San Diego	Phone Number: 619-527-7506	
Mailing Address: 2781 Caminito Chollas, MS 44		
City: San Diego	State: CA	ZIP Code: 92105
Contact Person: Gene Matter	E-Mail: rmatter@sandiego.gov	
BILLING ADDRESS		
Name:	Phone Number:	
Mailing Address:		
City:	State:	ZIP Code:
Contact Person:	E-Mail:	
DISCHARGER (If different from owner)		
Name:	Phone Number:	
Mailing Address:		
City:	State:	ZIP Code:
Contact Person:	E-Mail:	
PROJECT SITE LOCATION		
Street (include address, if any): 1850 Titus Street, San Diego, CA 92110		
Nearest Cross Street(s): Pringle Street		
County: San Diego	Total size of project site (acres): 0.16 acre	
Photos Attached: ☒ Yes ☐ No		

Latitude/Longitude (Center of Discharge Area) in degrees/minutes/seconds (DMS) to the nearest ½ second OR decimal degrees (DD) to four decimals (0.0001 degree)

DMS: N. Latitude 32.44.42°

W. Longitude 117.11.24°

DD: N. Latitude 32.7456

W. Longitude -117.1834

Attach a map of at least 1:24000 (1" = 2000') detail of the impact site(s).

Indicate the map format used (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 aquatic resource type. 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.

☐ **Google KML files** saved from Google Maps: My Maps (free) or Google Earth Pro (not free). Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted.*

☐ Aquatic resource maps marked on paper USGS 7.5 minute **topographic maps** or DOQQ printouts. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted.

*** If using Google Maps: My Maps or similar, provide URL(s) of maps.**

DISCHARGE INFORMATION	
Project Start Date: 1/2/16	Project Completion Date: 1/9/16
Names of Receiving Water(s):	
Un-named ephemeral drainage that is tributary to San Diego Bay	
Receiving Water Types:	
☐Lake/Reservoir ☒ Ocean/Estuary/Bay ☒ River/Streambed	☐Riparian Area ☐Vernal Pool ☐Wetland
Regulatory Agencies with Jurisdiction Over Project and Associated Permits/Agreements:	
Army Corps of Engineers and Regional Water Quality Control Board: RGP 63 pre-maintenance notification and 401 Certification emergency notification forms California Department of Fish and Wildlife Streambed Alteration Program Notification of Emergency Work City of San Diego Development Services Department: CEQA Notice of Exemption	
Emergency Project Description: (e.g. discharge of riprap; discharge of fill; excavation for a utility line)	
Initial work for the project was completed on January 2, 2016 without the need for permits because the U.S. Army Corps of Engineers (USACE) and Regional Water Quality Control Board (RWQCB) determined the work was exempt from regulation; equipment was located outside of Waters of the U.S. and work was limited to removal of accumulated sediment (no fill was placed). A series of large storm events occurred from January 4-7, 2016, prompting the need for	

emergency maintenance with mechanized equipment within the drainage. On January 8, 2016, the City notified USACE and RWQCB via email that a unilateral decision was made to perform the minimum work necessary to alleviate the emergency (see Attachment A), and work was completed January 9. The City submitted an application for enrollment under Regional General Permit (RGP) 63 and the associated 401 Certification on January 13, 2016.

Emergency maintenance involved removal of sediment and debris from within approximately 187 linear feet of channel to a maximum width of 20 feet using a gradall, dozer, and skid steer. Access was obtained via an existing dirt path which extends north from Titus Street parallel to the drainage. Haul trucks were staged along Titus Street before backing into the dirt path for loading. An estimated 200 cubic yards of sediment and vegetation were removed and hauled to the Miramar Landfill. The total size of the affected area was 0.16 acre composed of 0.14 acre of disturbed habitat and 0.02 acre of non-native vegetation.

Impacts to areas under the jurisdiction of USACE and RWQCB total 0.06 acre (2,610 square feet) of non-wetland waters of the U.S. Impacts to CDFW jurisdictional areas total 0.07 acre of unvegetated ephemeral streambed.

Purpose of the Entire Project Activity: (e.g. stream-bank erosion control; maintain, repair, or restore damaged property)

The purpose of the proposed project was to remove sediment and debris that had accumulated upstream of the culvert and against the trash fence at 1850 Titus Street in order to restore the capacity of the area upstream of the trash fence to accommodate storm water flows to the 30" drainage pipe. Reports of flooding were communicated to City of San Diego staff by concerned residents located at 1850 Titus Street during site visits. Recent observations indicated that debris and sediment that had accumulated against a trash fence had significantly undermined the ability of the drainage to convey flows into a 30" pipe which runs under 1850 Titus St. Observations also indicated that storm flows had flooded the multi-unit properties located at 1850 and 1864 Titus Street during the storm that occurred from January 4 – 7, 2016. Based on the forecasted El Niño-influenced weather patterns and the scale of the National Weather Service precipitation predictions, these conditions constituted an imminent flooding threat through a severe reduction in flow rates and the potential for flooding adjacent properties. Given the likelihood of heavy rains, the pre-maintenance conditions constituted an emergency situation requiring immediate action.

Erosion and Sediment Control Measures Implemented:

Street sweeping was conducted adjacent to the project site after maintenance was completed.

Pollution Prevention Measures Implemented:

Appropriate materials were kept on site to contain potential spills, and no spills occurred. Fueling, vehicle maintenance, and storage were located outside of waters of the U.S. and state. All construction materials and debris were removed following completion of the emergency maintenance.

Fill and Excavation Discharges: For each aquatic resource type listed below indicate in acres, cubic yards, and linear feet the actual discharge to waters of the state, and identify the impact(s) as permanent and/or temporary.

Aquatic Resource Type	Temporary Impact			Permanent Impact		
	Acres	*Cubic Yards*	*Linear Feet*	*Acres*	*Cubic Yards*	*Linear Feet*
Lake/Reservoir						
Ocean/Estuary/Bay						
Riparian Zone						
Stream Channel	0.06	200	187			
Vernal Pool						
Wetland						

FINAL REPORT FORM FOR REGIONAL GENERAL PERMIT 63 FOR REPAIR AND PROTECTION ACTIVITIES IN EMERGENCY SITUATIONS (RGP 63)

COMPENSATORY MITIGATION	
Required: ☐ Yes ☒ No	Photos Attached: ☐Yes ☒ No
Compensatory Mitigation Description (include aquatic resource type and acres and linear feet):	
None proposed.	

MITIGATION SITE LOCATION
Street (include address, if any):
Nearest Cross Street(s):
County:
Latitude/Longitude (Center of Mitigation Area) in degrees/minutes/seconds (DMS) to the nearest ½ second OR decimal degrees (DD) to four decimals (0.0001 degree) DMS: N. Latitude Deg. _____ Min. _____ Sec. _____ W. Longitude Deg. _____ Min. _____ Sec. _____ DD: N. Latitude _____ W. Longitude _____
Attach a map of at least 1:24000 (1" = 2000') detail of the mitigation site. **Indicate the map format used** (listed in order of preference): ☐ **GIS shapefiles**. The shapefiles must depict the boundaries of all project(s) and extent of aquatic resources. Each shape should be attributed with the aquatic resource type. 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. ☐ **Google KML files** saved from Google Maps: My Maps (free) or Google Earth Pro (not free). Maps must show the boundaries of all project(s) and extent/type of aquatic resources.* ☐ Aquatic resource maps marked on paper USGS 7.5 minute **topographic maps** or DOQQ printouts. Maps must show the boundaries of all project(s) and extent/type of aquatic resources. *** If using Google Maps: My Maps or similar, provide URL(s) of maps.**

CERTIFICATION	
"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. In addition, I certify that the provisions of this Certification and Corps Regional General Permit No. 63 will be complied with."	
Signature of Discharger: [signature]	Title: Assistant D.D.
Printed or Typed Name: Gene Matter	Date: 9-21-16

Photo 1: Pre-maintenance upstream
January 2, 2016

Photo 2: Pre-maintenance downstream
January 2, 2016

Photo 3: During maintenance
January 2, 2016

Photo 4: During maintenance
January 2, 2016

Photo 5: Rain Event
January 9, 2016

Photo 6: Rain Event
January 9, 2016

Photo 7: During maintenance
January 9, 2016

Photo 8: During maintenance
January 9, 2016

Photo 9: Post-maintenance
January 9, 2016

Photo 10: Post-maintenance
January 9, 2016

CARROLL CANYON CHANNEL
(MMP MAP N/A)

ACOE RGP 63 Authorization
RWQCB 401 Certification Email
RWQCB Attachment E

DEPARTMENT OF THE ARMY
LOS ANGELES DISTRICT, U.S. ARMY CORPS OF ENGINEERS
5900 LA PLACE COURT, SUITE 100
CARLSBAD, CALIFORNIA 92008

February 29, 2016

Mr. Gene Matter
City of San Diego
Storm Water Division
2781 Caminito Chollas, MS 44
San Diego, California 92105

SUBJECT: Modification of Carroll Canyon Road Culvert Maintenance Regional General Permit No. 63 Verification (Permit No. SPL-2016-00035-MG)

Dear Mr. Matter:

Your request dated February 25, 2016 to amend your Department of the Army permit for the Carroll Canyon Road Culvert Maintenance Project (Permit No. SPL-2016-00035-MG), which authorized you to temporarily discharge fill into waters of the U.S., in association with the project located near 6049 Carroll Canyon Road, San Diego County, California at Latitude 32.8928° and Longitude -117.1874° (Figures 1 and 2) is authorized.

Under the provisions of 33 Code of Federal Regulations (CFR) 325.6(d), the start date is to remain the same and the completion date is extended from March 1, 2016 to April 1, 2016.

Under the provisions of 33 CFR 325.7(b), your permit is hereby modified. Changes to the authorized work below are shown in underline/strikeout format to indicate added and removed language. Specifically, and as shown in Figure 3 (enclosed) you are authorized to:

1. Place fill, consisting of a sandbag berm approximately two feet <u>wide</u> ~~long~~, three feet high, and 18 feet <u>long</u> ~~wide~~ into Soledad Creek channel approximately 30 feet upstream of the box culvert and spillway during maintenance activities to prevent upstream flows from entering the work area. ~~(Figure 21569-14-D). Temporary placement of sandbags will result in temporary impacts to 36 square-feet of waters of the U.S. The sandbag berm will be removed immediately upon completion of maintenance activities~~.
2. <u>Place fill, consisting of a sandbag berm approximately two feet high, three feet wide, and 20 feet long into Soledad Creek channel approximately 10 feet downstream of the Carroll Canyon Road double box culvert.</u>
3. <u>Temporary placement of sandbags will result in temporary impacts to 96 square-feet of waters of the U.S. The sandbag berms will be removed immediately upon completion of maintenance activities.</u>

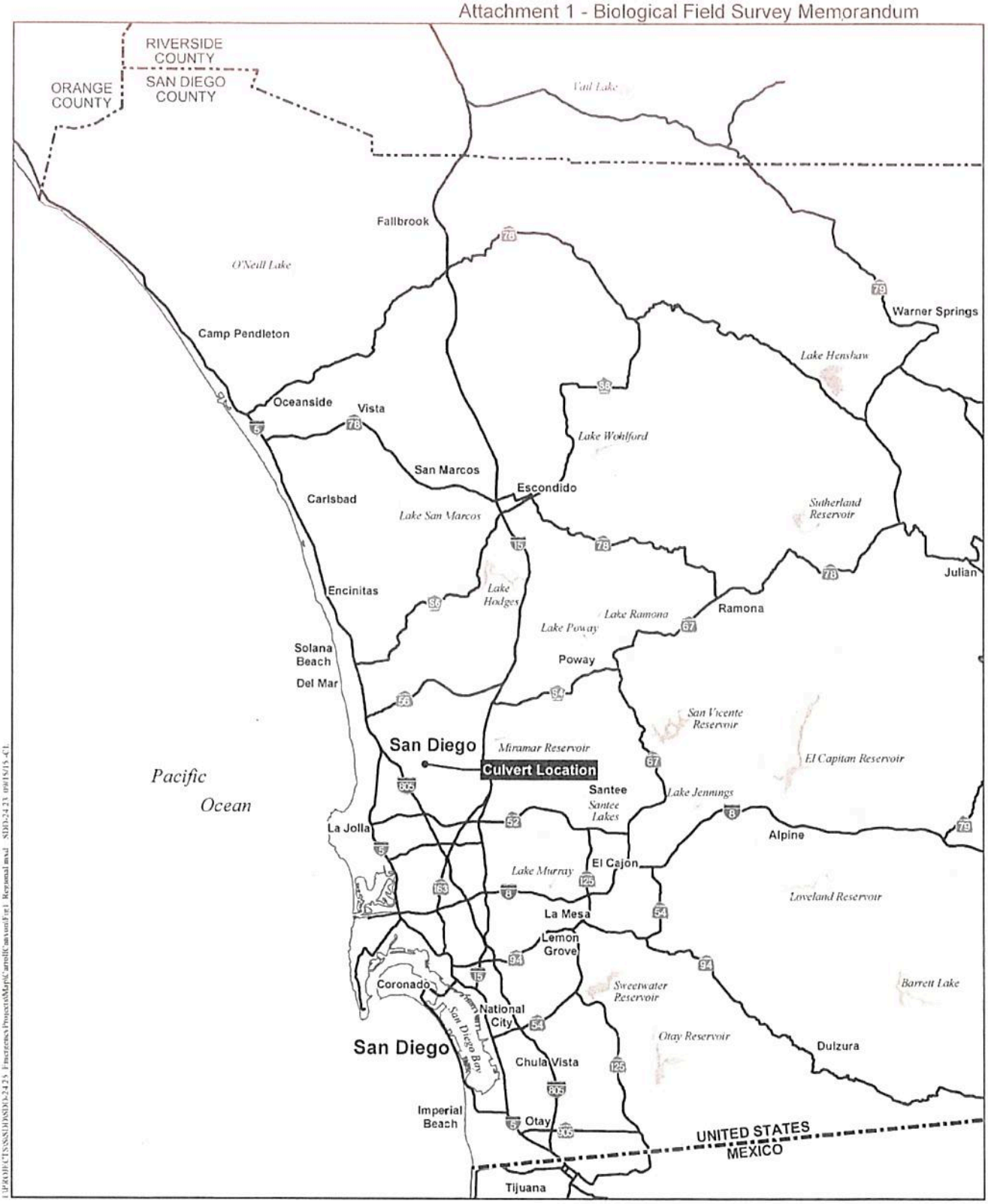
The terms and conditions of Permit No. SPL-2016-00035-MG, except as changed herein, remain in full force and effect.

Thank you for participating in the Regulatory Program. If you have any questions, please contact Meris Guerrero at 760-602-4836 or via e-mail at Meris.Guerrero@usace.army.mil. Please help me to evaluate and improve the regulatory experience for others by completing the customer survey form at http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey.

Sincerely,

Shanti Abichandani Santulli
Team Lead, Carlsbad Field Office

Enclosure



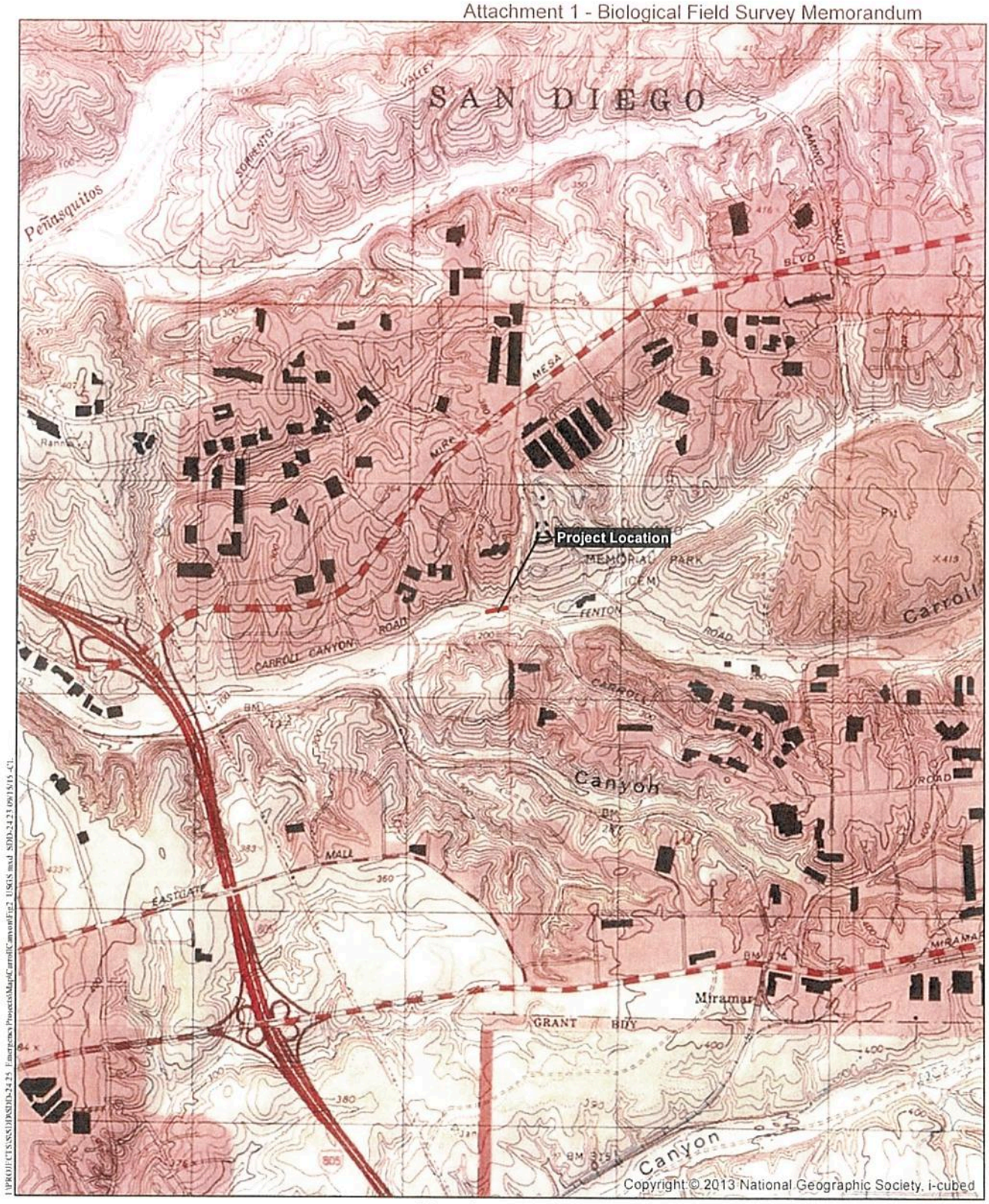
Regional Location Map

SOLEDAD CREEK CHANNEL

HELIX Environmental Planning

0 8 Miles

Figure 1



U:\PROJECTS\SKS\DESIGN\24 25 Emergency Projects\Maps\Carroll\Canyon\Fig2 USGS mxd SDD 24231 09\15\15 cl

Project Vicinity Map (USGS Topgraphy)

SOLEDAD CREEK CHANNEL

HELIX Environmental Planning

0 2,000 Feet

Figure 2

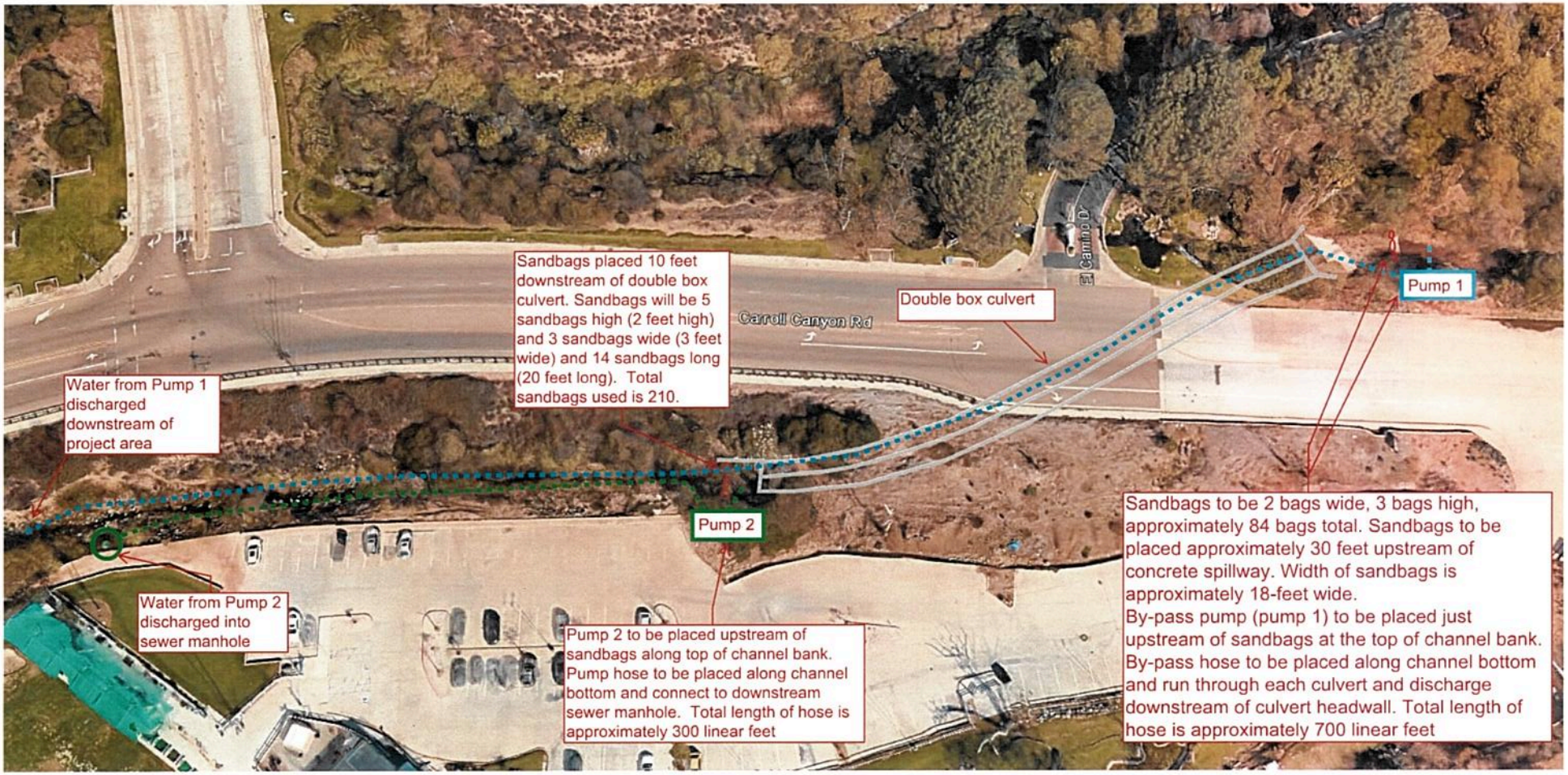

Sandbags placed 10 feet downstream of double box culvert. Sandbags will be 5 sandbags high (2 feet high) and 3 sandbags wide (3 feet wide) and 14 sandbags long (20 feet long). Total sandbags used is 210.
Carroll Canyon Rd
El Camino Real
Double box culvert
Pump 1
Water from Pump 1 discharged downstream of project area
Pump 2
Water from Pump 2 discharged into sewer manhole
Pump 2 to be placed upstream of sandbags along top of channel bank. Pump hose to be placed along channel bottom and connect to downstream sewer manhole. Total length of hose is approximately 300 linear feet
Sandbags to be 2 bags wide, 3 bags high, approximately 84 bags total. Sandbags to be placed approximately 30 feet upstream of concrete spillway. Width of sandbags is approximately 18-feet wide.
By-pass pump (pump 1) to be placed just upstream of sandbags at the top of channel bank. By-pass hose to be placed along channel bottom and run through each culvert and discharge downstream of culvert headwall. Total length of hose is approximately 700 linear feet

Figure 3

Scott Gressard

From: Orme, Bill@Waterboards <Bill.Orme@waterboards.ca.gov>
Sent: Tuesday, January 19, 2016 10:44 AM
To: Guerrero, Meris SPL; Matter, Gene
Cc: Rothman, Christine; Honma, Lisa@Waterboards; Bracci, Stephanie; Lehotsky, Genene
Subject: RE: City of San Diego - Notification (UNCLASSIFIED)
Attachments: 2016-00035_RGP 63 Ver_Final.pdf; 2016-00035_RGP 63 Figures.pdf; 2013rgp63 _att_e.doc

Subject: SPL-2016-00035-MG
Dear Mr. Gene Matter:

You are hereby authorized to proceed on Carroll Canyon Road Culvert Emergency Maintenance - RGP 63 beginning no later than Friday, January 29 2016. All work is to be completed by March 1, 2016. Please submit attachment e within 45 days of completing the emergency project Thank you

Bill Orme
Chief, 401 Certification & Wetlands Unit Division of Water Quality State Water Resources Control Board
1001 I St, 15th Floor
Sacramento, CA 95814
borme@waterboards.ca.gov
(916) 341-5464

-----Original Message-----
From: Guerrero, Meris SPL [mailto:Meris.Guerrero@usace.army.mil]
Sent: Friday, January 15, 2016 11:28 AM
To: Matter, Gene
Cc: Rothman, Christine; Honma, Lisa@Waterboards; Orme, Bill@Waterboards; Bracci, Stephanie; Lehotsky, Genene
Subject: RE: City of San Diego - Carroll Canyon Road Culvert Emergency Maintenance - RGP 63 Notification (UNCLASSIFIED)

CLASSIFICATION: UNCLASSIFIED

Please see attached RGP 63 verification for the Carroll Canyon Road Culvert Emergency maintenance project. A hard copy will be in the mail. Please let me know if you have any questions or concerns regarding the attached.

Meris

-----Original Message-----
From: Lehotsky, Genene [mailto:DLehotsky@sandiego.gov]

Sent: Friday, January 08, 2016 10:20 AM
To: Galer, Rose A SPL <Rose.A.Galer@usace.army.mil>
Cc: Guerrero, Meris SPL <Meris.Guerrero@usace.army.mil>; kelly.fisher@wildlife.ca.gov; Matter, Gene <RMatter@sandiego.gov>; Rothman, Christine <CRothman@sandiego.gov>; Lisa.Honma@waterboards.ca.gov; 'Vipul Joshi' <vjoshi@dudek.com>; Nazareno, Angela <ANazareno@sandiego.gov>; Deisher, Helene <HMDeisher@sandiego.gov>; Bracci, Stephanie <SBracci@sandiego.gov>; Wammack, Roger <RWammack@sandiego.gov>; Kennedy, Jamie <JMKennedy@sandiego.gov>
Subject: [EXTERNAL] FW: City of San Diego - Carroll Canyon Road Culvert Emergency Maintenance - RGP 63 Notification
Importance: High

Rose,

I apologize, page 2 of the ACOE form was not included in the packet. See attached for revised packet. Have a good weekend!

Thank you,

Genene

From: Lehotsky, Genene
Sent: Friday, January 08, 2016 9:57 AM
To: 'Galer, Rose A SPL' <Rose.A.Galer@usace.army.mil>
Cc: 'Guerrero, Meris SPL' <Meris.Guerrero@usace.army.mil>; 'kelly.fisher@wildlife.ca.gov' <kelly.fisher@wildlife.ca.gov>; Matter, Gene <RMatter@sandiego.gov>; Rothman, Christine <CRothman@sandiego.gov>; 'Honma, Lisa@Waterboards' <Lisa.Honma@waterboards.ca.gov>; 'Vipul Joshi' <vjoshi@dudek.com>; Nazareno, Angela <ANazareno@sandiego.gov>; Deisher, Helene <HMDeisher@sandiego.gov>; Bracci, Stephanie <SBracci@sandiego.gov>; Wammack, Roger <RWammack@sandiego.gov>; Kennedy, Jamie <JMKennedy@sandiego.gov>
Subject: City of San Diego - Carroll Canyon Road Culvert Emergency Maintenance - RGP 63 Notification

Hi Rose,

Please find the attached notification for emergency maintenance at the Carroll Canyon Road culvert, submitted pursuant to RGP 63.

Kelly, Lisa, Helene, and Angela - Please find the attached notification for your records.

Please contact Stephanie Bracci at 619-527-3445, if you have questions or concerns.

Thank you,

Genene

Genene Lehotsky

Senior Planner

City of San Diego, Transportation & Storm Water Department

2781 Caminito Chollas, MS 44, San Diego, CA 92105

Direct: 619-527-7507 | Fax: 619-527-7445

CLASSIFICATION: UNCLASSIFIED

LOBRICO CHANNEL
(MMP MAP N/A)

ACOE RGP 63 Authorization
RWQCB 401 Certification Email
RWQCB Attachment E

DEPARTMENT OF THE ARMY
LOS ANGELES DISTRICT, U.S. ARMY CORPS OF ENGINEERS
5900 LA PLACE COURT, SUITE 100
CARLSBAD, CALIFORNIA 92008

October 19, 2015

Gene Matter
City of San Diego
Transportation & Storm Water Department
2781 Caminito Chollas, MS 44
San Diego, California 92105

DEPARTMENT OF THE ARMY REGIONAL GENERAL PERMIT

Dear Mr. Matter:

I am responding to your request (SPL-2015-00649-MG) for a Department of the Army (DA) permit for your proposed project, Lobrico Court Emergency Channel Maintenance. The proposed project is located at 615 Lobrico Court, City of San Diego, California.

Because this project would result in a discharge of dredged and/or fill material into waters of the United States a DA permit is required pursuant to Section 404 of the Clean Water Act (33 USC 1344; 33 CFR parts 323 and 330).

I have determined construction of your proposed project, if constructed as described in your application, would comply with Regional General Permit (RGP) No. 63, Repair and Protection Activities in Emergency Situations. Specifically, you are authorized to use heavy machinery within Lobrico Court channel to remove accumulated sediment and arundo from 0.04 acre (125 linear feet) of waters of the U.S.

For this RGP verification letter to be valid, you must comply with all of the terms and conditions of RGP No. 63, Repair and Protection Activities in Emergency Situations, available at http://www.spl.usace.army.mil/Missions/Regulatory/RegionalGeneralPermits.aspx.

Thank you for participating in the regulatory program. If you have any questions, contact me at 760-602-4836 or via e-mail at Meris.Guerrero@usace.army.mil. Please help me to evaluate and improve the regulatory experience for others by completing the customer survey form at http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey.

Sincerely,

Meris Guerrero

Meris Guerrero
Senior Project Manager, South Coast Branch

Attachment E

Final Report Form

FINAL REPORT FORM FOR REGIONAL GENERAL PERMIT 63 FOR REPAIR AND PROTECTION ACTIVITIES IN EMERGENCY SITUATIONS (RGP 63)

Instructions for Attachment E

Attachment E must be submitted electronically as a pdf with a valid signature within 45 calendar days of completion of any emergency actions conducted under RGP 63. Attachment E must be submitted to the State Water Resources Control Board (State Water Board) and the applicable Regional Water Quality Control Board (Regional Water Board).

For State Water Board Submittal
Email: Stateboard401@waterboards.ca.gov (Subject: RGP 63)

For the applicable Regional Water Board Submittal
A staff directory that includes contact information for the State and Regional Water Boards is found at:
http://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/staffdirectory.pdf

I. **Owner of the Land**

Name City of San Diego – Transportation & Storm Water Department				
Mailing Address 2781 Caminito Chollas, MS 44				
City San Diego	County San Diego	State CA	Zip 92105	Phone 619-527-7506
Contact Person Gene Matter		Email rmatter@sandiego.gov		

II. **Billing Address**

Name Same as owner				
Mailing Address Same as owner				
City	County	State	Zip	Phone
Contact Person		Email		

III. **Discharger (if different from owner of the land)**

Name				
Mailing Address				
City	County	State	Zip	Phone
Contact Person		Email		

IV. **Site Location**

Street (including address, if any) 7231 Lisbon Street to 615 Lobrico Court	
Nearest cross street(s) Lobrico Court and Jamacha Road	
County: San Diego	Total size of site (acres): 0.10 acre

Latitude/Longitude (Center of Discharge Area) in degrees/minutes/seconds (DMS) to the nearest ½ second
or decimal degrees (DD) to four decimals (0.0001 degree)

DMS: N. Latitude Deg. _____ Min. _____ Sec. _____

W. Longitude Deg. _____ Min. _____ Sec. _____

DD: N. Latitude 32.711534
W. Longitude -117.042827

Attach a map of at least 1:24000 (1" = 2000') detail of the discharge site (e.g., USGS 7.5 minute topographic map).

V. **Discharge Information**

Subject		Notes
Name(s) and type(s) of receiving waters: Unnamned streambed tributary to the south branch of Chollas Creek		Receiving water types are: river/streambed, lake/reservoir, ocean/estuary/bay, riparian area, wetland
Identify all regulatory agencies having jurisdiction over this project. CDFW: CFGC 1600 Emergency Stream Alteration Agreement Notification RWQCB: CWA 401 Board Certification General Orders Coverage under Federal Permits USACE: CWA 404 RGP 63 City of San Diego (Transportation and Storm water Department): Emergency Site Development Permit		For example: Dept. of Fish and Game Streambed Alteration Agreement, Coastal Commission permit
Project start date: September 20, 2015	Project completion date: September 21, 2015	

Project description: The work area abuts a private residence where water has flooded onto and within the private residence. The private residence where the water has flooded is 615 Lobrico Court, San Diego, CA. The residence has evidence of flooding at least 1 foot above the home which is water stained. The City has pumps set up in the yard and has sand bags set up throughout the property. There is a retaining wall at 615 Lobrico Court that runs along the channel where scouring has occurred underneath the wall. According to the City, on September 15, 2015 a rain event caused flooding that undermined 12' of sidewalk. The City hopes to complete work so that the home will not flood during rains that are anticipated for 9/21 and 9/22/15. On the east side of the channel are other residences that have chain link fence installed along the channel (parallel to), and one small area of fence that runs perpendicular to the channel. This small section of fence perpendicular to the channel causes sediment to build up, thereby causing an obstruction to flow within the channel. During storm events this perpendicular portion of the fence collects debris and has also allowed for the collection of sediment (approximately 5 to 6 feet in depth) during rain events. Overall, sediment build up caused by dense stands of giant reed within the channel and fencing along the channel is reducing channel capacity which is resulting in flooding at the adjacent residence at 615 Lobrico Court. The City of San Diego has determined that the property at 615 Lobrico Court was under current and imminent threat of potentially severe damage from storm flows, and that this emergency project was the minimum necessary to abate this imminent threat. On September 20, 2015 emergency work crews removed a small 12-foot section of giant reed at the western bank for channel access. Through this access corridor a Bobcat (mini-dozer with a 4-foot blade]) was driven into the dry channel (e.g., the channel had no moving or standing water). The bobcat removed collected sediment, established giant reed, and to a lesser extent, castor bean (*Ricinus communis*) through surface grading and excavation approximately 1 foot below grade. All excavated material (debris) was removed from the site and hauled off in dump trucks and placed into an approved landfill. No stockpiling occurred. All trucks were moved out of the site location at the end of the day. On September 21, 2015 additional giant reed was removed by hand where the Bobcat could not adequately access. The Bobcat then entered into the dry channel to contour the channel bottom where the initial emergency work occurred. All excavated material (debris) was removed from the site and hauled off in dump trucks and placed into an approved landfill. Approximately 1-3 feet of grading occurred. No stockpiling occurred. All trucks were moved out of the site location at the end of the day.	For example: Discharge of riprap; discharge of fill; excavation for a utility line
Purpose of the entire activity: Accumulated sediment removal and giant reed removal in a portion of Lobrico Channel for the protection of life and property from imminent flood damage.	For example: Stream-bank erosion control. Maintain, repair, or restore damaged property
Map attached? Yes X No □	
Photographs attached? Yes X No □	

Erosion protection measures employed The working crews set up the boundaries on the site with cones and stakes as (best management practices) BMP's. These BMP's helped to insure stabilization of the slope so that the workers and trucks would not create any additional impacts. Additionally, crews set up straw wattles, silt fencing and covered the curved inlet with silt fabric and secured the silt fabric with rock bags.	
Pollution prevention measures employed Work was conducted in non-wetted channel prior to forecasted rains. No fueling or equipment storage occurred within the channel. All debris was removed from the channel the same day it was excavated. No fill was placed into the channel	
Was compensatory mitigation required? Yes □ No X	
Compensatory Mitigation for Impacts during Emergency Project (Include contact information and type of mitigation i.e. permittee responsible, mitigation bank, in-lieu fee program) (Include area and linear feet) No compensatory mitigation is required as impacts are temporary and benefical, through the removal of non-native invasive species, trash, debris, and flood flow obstructions. Ongoing, routine maintenance is not proposed at this time and therefore no permanent impacts would occur.	

Fill and Excavation Discharges: For each water body type listed below indicate in ACRES the area of the discharge to waters of the state, and identify the impact(s) as permanent and/or temporary. For linear discharges to drainage features and shorelines, e.g., bank stabilization, revetment, and channelization projects, ALSO specify the length of the proposed discharge to waters of the state IN FEET. For dredging activity, indicate total amount of dredged material for the project in cubic yards under permanent impacts.

Water Body Type	Permanent Impact			Temporary Impact		
	Acres	Cubic Yards	Linear Feet	Acres	Cubic Yards	Linear Feet
Lake/Reservoir						
Ocean/Estuary/Bay						
Riparian Zone – CDFW jurisdiction only (above OHWM)				0.025	N/A	107
Stream Channel						
Vernal Pool						
Wetland – veg removal & excavation				0.009	30	100
Wetland – veg removal only				0.003	N/A	30

VI. CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. In addition, I certify that the provisions of these General WDRs will be complied with."	
Signature of Discharger	Title Assistant Deputy Director
Printed or Typed Name Gene Matter	Date

SMYTHE CHANNEL
(MMP MAP 130)

ACOE RGP 63 Authorization
RWQCB 401 Certification Email
RWQCB Attachment E

DEPARTMENT OF THE ARMY
LOS ANGELES DISTRICT, U.S. ARMY CORPS OF ENGINEERS
5900 LA PLACE COURT, SUITE 100
CARLSBAD, CALIFORNIA 92008

January 22, 2016

Mr. Hasan Yousef
City of San Diego
Transportation and Stormwater Division
1010 2nd Avenue, Ste. 800, MS 609
San Diego, California 92101

DEPARTMENT OF THE ARMY REGIONAL GENERAL PERMIT NO. 63

Dear Mr. Yousef:

I am responding to your request (SPL-2015-00942-RAG) for a Department of the Army permit for your proposed project, Smythe Channel Maintenance. The proposed project is located behind residences at 3684 Shooting Star Drive, City of San Diego, San Diego County, California (Latitude 32.56766°N and Longitude -117.0556°W) (Figures 1 and 2). Proposed work would include the removal of sediment and vegetation from the earthen-lined section of Smythe Channel. The maintenance would begin west of Picador Boulevard and end at the 8 foot by 8 foot culvert running under Del Sur Boulevard, as depicted in Figure 3.

Because this project would result in a discharge of dredged and/or fill material into waters of the United States a Department of the Army permit is required pursuant to Section 404 of the Clean Water Act (33 USC 1344; 33 CFR parts 323 and 330).

I have determined construction of your proposed project, if constructed as described in your application, would comply with Regional General Permit (RGP) No. 63 - Repair and Protection Activities in Emergency Situations. Specifically, and as shown in Figure 3, you are authorized to:

1. Permanently impact approximately 0.73 acre (1,392 linear feet) of wetland waters of the U.S. within the earthen-lined section of Smythe Channel by excavating accumulated sediment and vegetation including:
    a. The removal of riparian scrub (southern willow scrub) totaling approximately 0.62 acre.
    b. The removal of freshwater marsh totaling approximately 0.11 acre.
    c. This work would result in a channel bottom approximately 20 feet wide and a channel top of approximately 47 feet wide and would be approximately 1.5 to 3 feet in depth.
2. Temporarily impact 0.001 acre of non-wetland waters of the U.S. in Smythe Channel by placing fill in the channel consisting of a sandbag berm approximately 2 feet wide, 3 feet high, and 30 feet long and water pump during maintenance activities to prevent upstream

flows from entering the work area. The sandbag berm is to be placed in the location depicted in the figure titled, "Access and Staging Area".

For this RGP verification letter to be valid, you must comply with all of the terms and conditions of RGP No. 63 - Repair and Protection Activities in Emergency Situations, available at http://www.spl.usace.army.mil/Missions/Regulatory/RegionalGeneralPermits.aspx. Furthermore, you must comply with the following non-discretionary Special Conditions:

1. The work authorized by this RGP must be underway no later than fourteen (14) calendar days from date of issuance of this letter of verification. All work must be completed no later than 90 days from the date of this letter. If the Permittee is unable to complete the authorized work by this date, the Permittee must request, in writing, an extension from the U.S. Army Corps of Engineers (Corps) Regulatory Division prior to the deadline.

2. All work shall be monitored by a qualified biologist and the sandbag berm and all equipment removed within one week of completed work.

3. As directed in RGP No. 63, any work authorized by this RGP must be the minimum necessary to alleviate the immediate emergency, unless complete reconstruction does not result in significantly increased impacts to aquatic resources and logistical concerns indicate such reconstruction is as expedient considering the condition of the project site and is limited to in-kind replacement or refurbishment.

4. To mitigate for impacts to 0.73 acre of wetland waters of the U.S., the Permittee shall purchase mitigation credits at a Corps-approved mitigation bank at a minimum of a 3 to 1 ratio (i.e., 2.19 acre). Prior to purchasing the credits, the Permittee must receive approval of the mitigation bank and credit type proposed to be purchased. If credits are not available at a Corps-approved mitigation bank in the service area of the project and with the correct type of credit the Permittee shall provide a draft Habitat Mitigation and Monitoring Plan (HMMP) outlining the proposed mitigation within 90 days. The draft HMMP shall meet all the requirements outlined in 33 CFR 332, including providing justification for the site selection and how the mitigation addresses the needs of the watershed. The credits proposed for purchase or the draft HMMP must be submitted to the Corps within 45 days of project completion.

5. As directed in RGP No. 63, you shall provide a written report to this office (within 45 days of completing the project) after completion of any action conducted under this RGP. **PROVIDING THIS REPORT IS MANDATORY**. At a minimum the Report shall include the following:
    a. The name, address, and telephone number of the applicant and the applicant's agent (if appropriate).
    b. Full description of the activity including:
        i. Description of the emergency and the potential for loss of life or property;
        ii. Purpose of the activity;
        iii. Final goal of the entire activity;

iv. Location (e.g., latitude/longitude or UTM coordinates; section/township/range on appropriate USGS topographic map; Thomas Guide map, or other source to accurately portray project location);
v. Size and description of project area (include maps or drawings showing the areal and lineal extent of the project, and pre- and post-construction photographs); and
vi. Quantities of materials used.

c. Information on receiving waterbody impacted including:
   i. Name of waterbody;
   ii. Type of receiving waterbody (e.g., river/streambed, lake/reservoir, ocean/estuary/bay, riparian area, wetland type, etc.);
   iii. Temporary/permanent adverse impact(s) in acres/cubic yards/linear feet;
   iv. Compensatory mitigation in acres/cubic yards/linear feet; and
   v. Other mitigation steps (to avoid, minimize, compensate).

d. Information on federally listed or proposed endangered species or designated or proposed critical habitat including:
   i. Temporary/permanent adverse impacts;
   ii. Compensatory mitigation; and
   iii. Other mitigation steps (to avoid, minimize, compensate).

A general permit does not grant any property rights or exclusive privileges. Also, it does not authorize any injury to the property or rights of others or authorize interference with any existing or proposed Federal project. Furthermore, it does not obviate the need to obtain other Federal, State, or local authorizations required by law.

If you have any questions, please contact Rose Galer at 760-602-4835 or via e-mail at Rose.A.Galer@usace.army.mil. Please help me to evaluate and improve the regulatory experience for others by completing the customer survey form at http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey.

Sincerely,

VAN SANT.RICHARD.J.1388594337

Digitally signed by VAN SANT.RICHARD.J.1388594337
DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=VAN SANT.RICHARD.J.1388594337
Date: 2016.01.22 13:38:42 -08'00'

Richard J. Van Sant III
Acting Team Lead
South Coast Branch

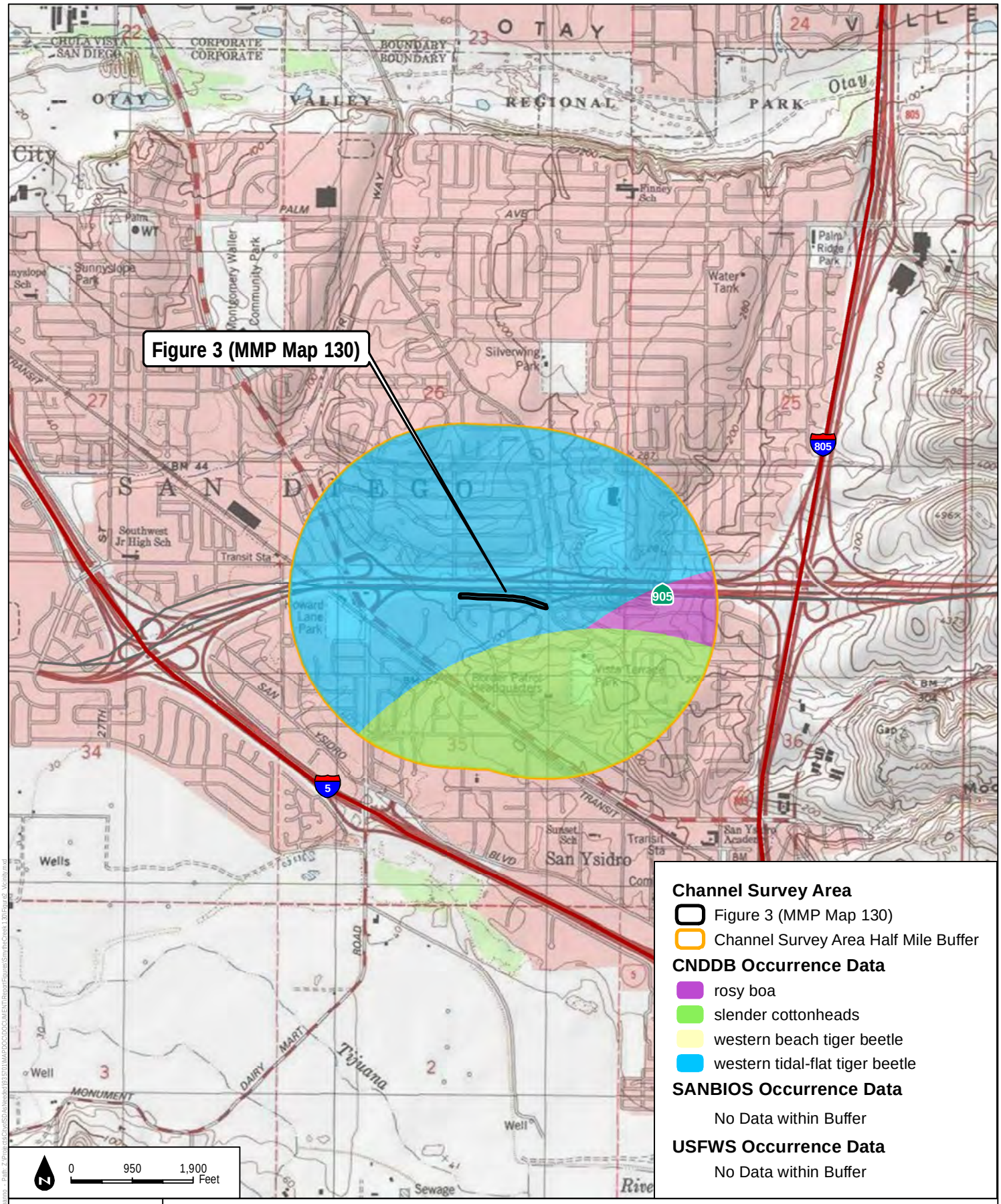
Enclosures

DUDEK

FIGURE 1

Regional Map

Smythe Channel (MMP Map 130) - Emergency Channel Maintenance



SOURCE: USGS 7.5-Minute Series - Imperial Beach Quadrangle; CNDDB, 12/01/2015; SANBIOS, 03/20/2009; USFWS, 2015.

FIGURE 2

Vicinity Map

DUDEK

Smythe Channel (MMP Map 130) - Emergency Channel Maintenance

Date: 12/17/2015 - Last saved by: hstarns - Path: Z:\Projects\SmytheSD\Active\d103\GIS\MAPDOCS\DOCUMENT\Report\Figures\Smythe\Smythe Creek L130\Figure2_Vicinity.mxd

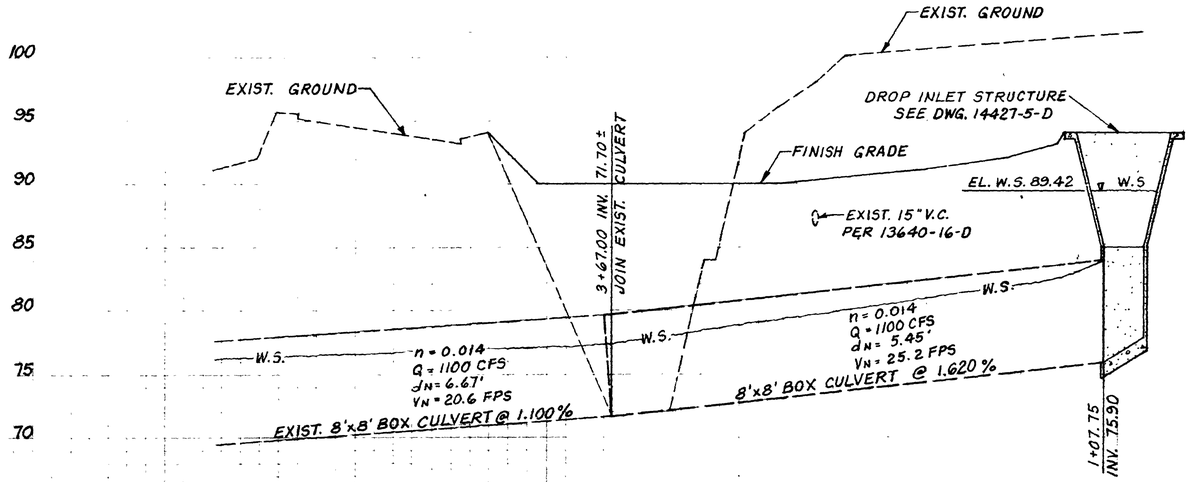
DUDEK

SOURCE: SANDAG Imagery 2015; Helix 2015; City of San Diego 2015

MMP Map 130; Figure 3

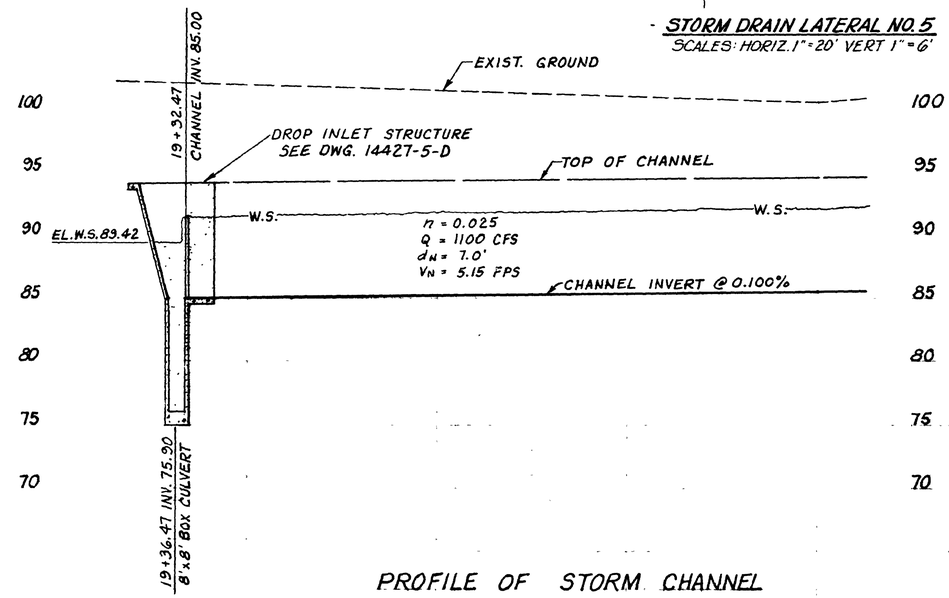
Biological Resources and Impacts

Smythe Channel (MMP Map 130) - Emergency Channel Maintenance



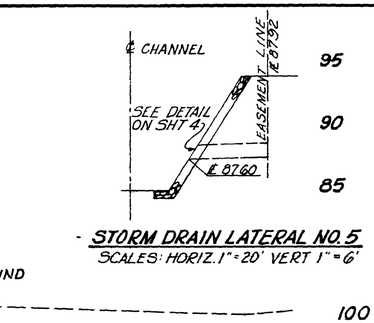
PROFILE OF 8'x 8' BOX CULVERT

SCALES: 1" = 40' HORIZ.
1" = 6' VERT.



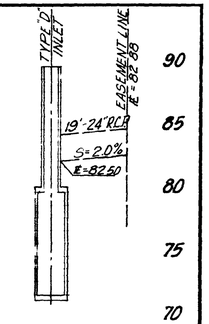
PROFILE OF STORM CHANNEL

SCALES: 1" = 40' HORIZ.
1" = 6' VERT.



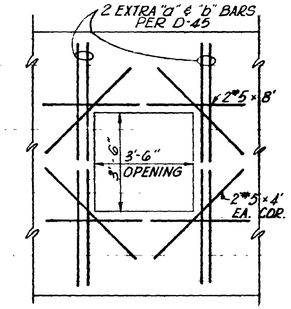
STORM DRAIN LATERAL NO. 5

SCALES: HORIZ. 1" = 20' VERT 1" = 6'



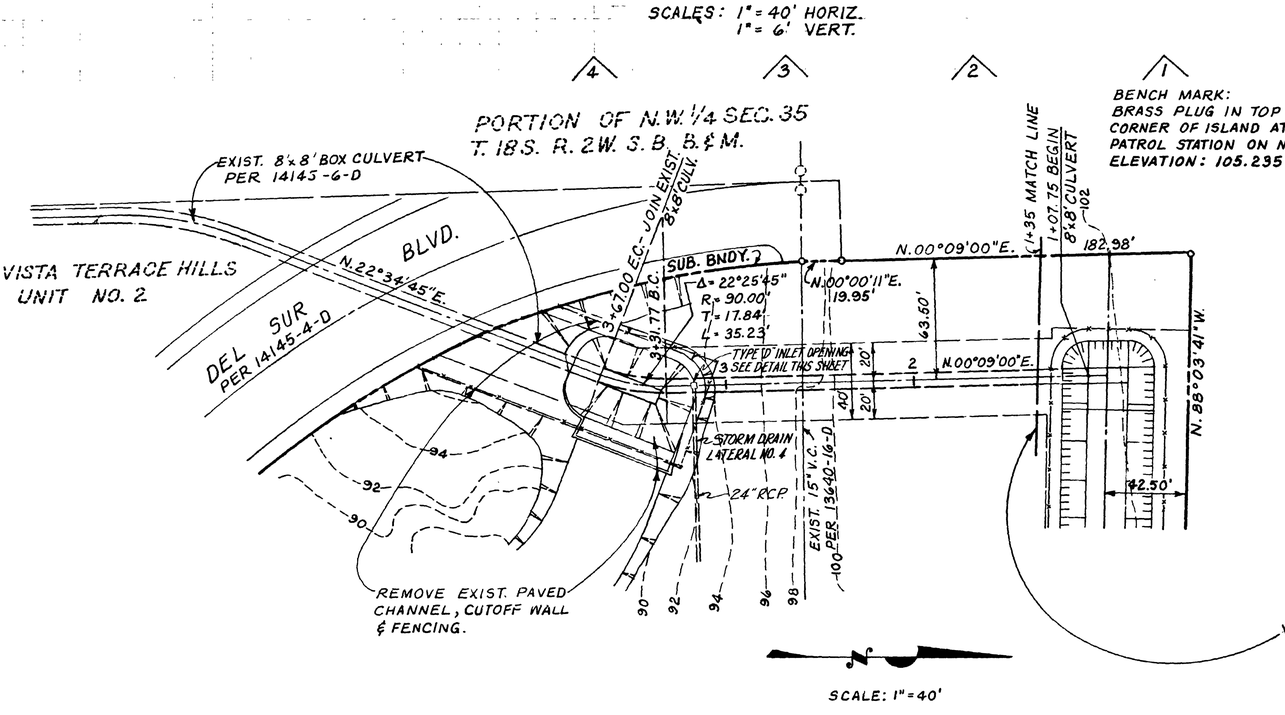
STORM DRAIN LATERAL NO. 4

SCALES: HORIZ. 1" = 20' VERT. 1" = 6'

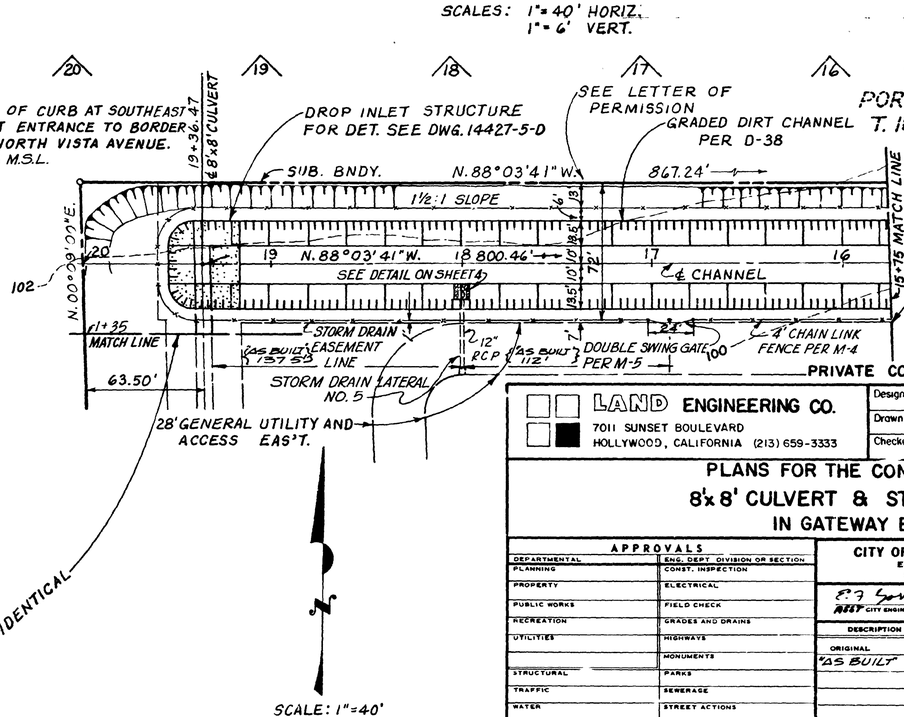


TYPE "D" INLET OPENING

NO SCALE



BENCH MARK:
BRASS PLUG IN TOP OF CURB AT SOUTHEAST CORNER OF ISLAND AT ENTRANCE TO BORDER PATROL STATION ON NORTH VISTA AVENUE.
ELEVATION: 105.235 M.S.L.



PRIVATE CONTRACT

LAND ENGINEERING CO.
7011 SUNSET BOULEVARD
HOLLYWOOD, CALIFORNIA (213) 659-3333

Designed by R.D.	SCALE As Shown	DATE 9-21-70	JOB NO. 7057
Drawn by D.C	ENGINEER OF WORK Joseph C Brown R.C.E 12941		
Checked by U.C.B.			

PLANS FOR THE CONSTRUCTION OF 8'x 8' CULVERT & STORM CHANNEL IN GATEWAY ESTATES

APPROVALS	
DEPARTMENTAL	ENG. DEPT. DIVISION OR SECTION
PLANNING	CONST. INSPECTION
PROPERTY	ELECTRICAL
PUBLIC WORKS	FIELD CHECK
RECREATION	GRADES AND DRAINS
UTILITIES	HIGHWAYS
	MONUMENTS
STRUCTURAL	PARKS
TRAFFIC	SEWERAGE
WATER	STREET ACTIONS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 3 OF 16 SHEETS

E.J. Symons 3/18/71
ASST. CITY ENGINEER — DATE

T.M. 70-116
W.O. NO. 78001

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL				
"AS BUILT"	WTS 3/74	[illegible]	7/31/74	

DIVISION HEAD

DESIGN ENGINEER

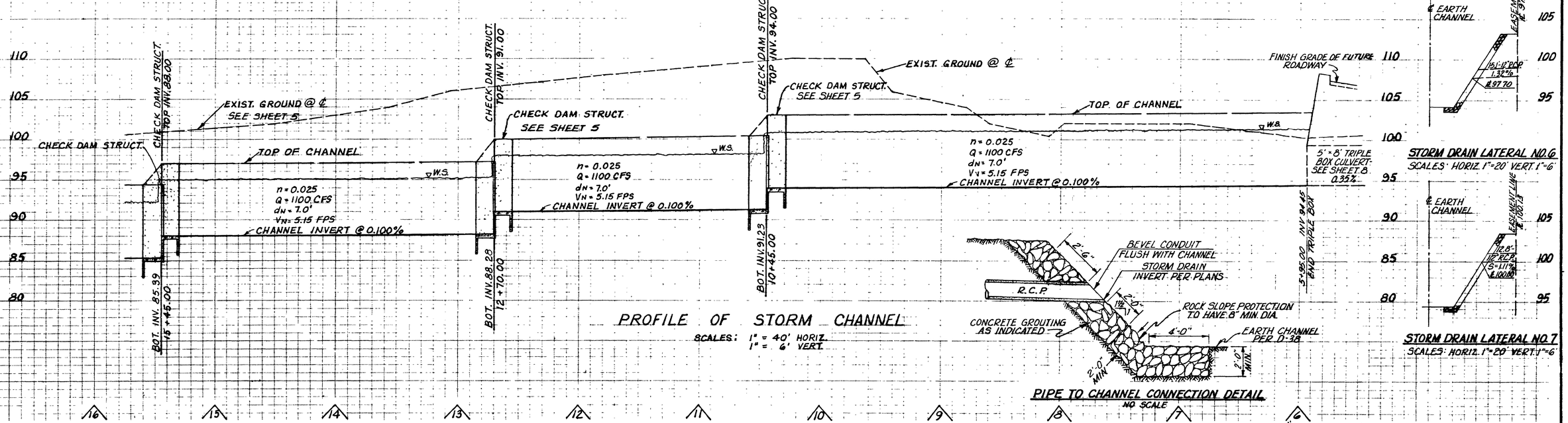
Joseph C Brown 3-2-71
CONTROL CERTIFICATION

144 - 1751
LAMBERT COORDINATES

CONTRACTOR HAZARD — DATE STARTED 1/71
INSPECTOR SHOREY — DATE COMPLETED 7/74

14427-3-D

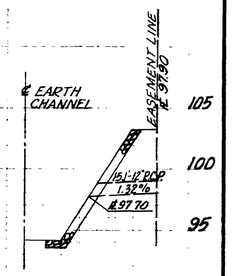
AS BUILT



PROFILE OF STORM CHANNEL

SCALES: 1" = 40' HORIZ.
1" = 6' VERT.

PIPE TO CHANNEL CONNECTION DETAIL
NO SCALE



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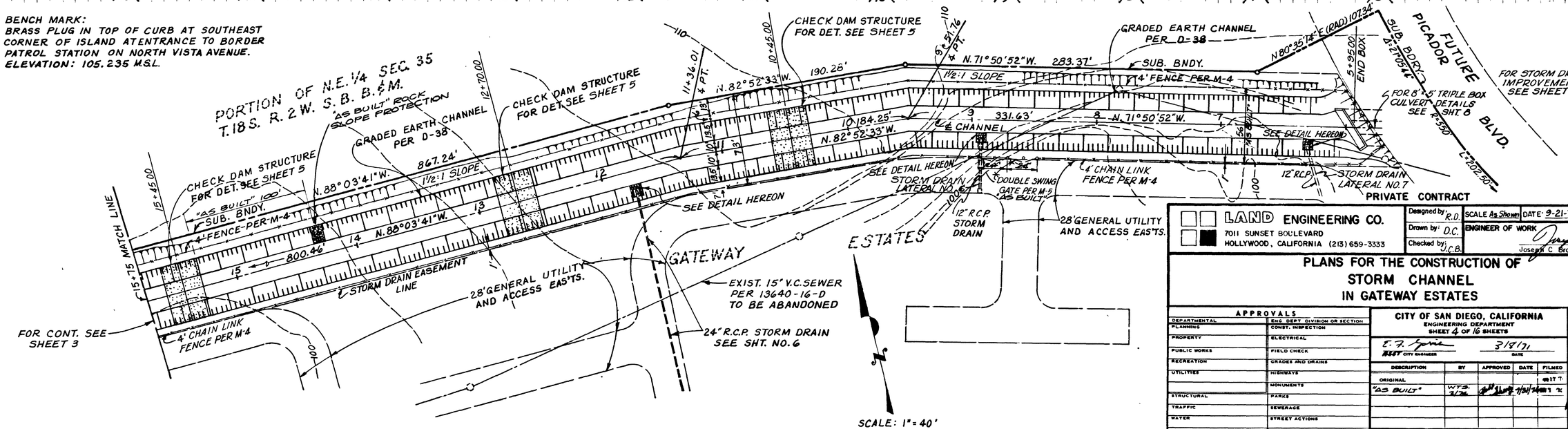

SCALE: 1" = 40'

LAND ENGINEERING CO.
7011 SUNSET BOULEVARD
HOLLYWOOD, CALIFORNIA (213) 659-3333

Designed by: R.D.	SCALE As Shown	DATE: 9-21-70	JOB NO. 7057
Drawn by: D.C.	ENGINEER OF WORK		
Checked by: J.C.B.	Joseph C. Brown R.C.E. 12941		

PLANS FOR THE CONSTRUCTION OF STORM CHANNEL IN GATEWAY ESTATES

APPROVALS		
DEPARTMENTAL	ENG. DEPT. DIVISION OR SECTION	
PLANNING	CONST. INSPECTION	
PROPERTY	ELECTRICAL	
PUBLIC WORKS	FIELD CHECK	
RECREATION	GRADES AND DRAINS	
UTILITIES	HIGHWAYS	
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STRUCTURAL	PARKS	
TRAFFIC	SEWERAGE	
WATER	STREET ACTIONS	

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 4 OF 16 SHEETS

E. F. Spire — 3/8/71
ASST. CITY ENGINEER — DATE

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL				4-17-71
"AS BUILT"	WTS 3/74	[illegible]	7/24/74	7-24-74

CONTRACTOR HAZARD — DATE STARTED 1/7/74
INSPECTOR SHOREY — DATE COMPLETED 4/7/74

T.M. 70-116
W.O. NO. 78001
DIVISION HEAD
DESIGN ENGINEER
CONTROL CERTIFICATION: 3-2-71
144 - 1751
LAMBERT COORDINATES
14427-4-D

AS BUILT

7-1657 sht 4

ATTACHMENT A

Smythe Channel Emergency Maintenance, MMP Map 130

Photograph Log

Photograph 1: Looking towards Access/Staging area and vegetation in the east end of the proposed maintenance area located just west of Picador Blvd. (MMP Map 130; Figure 3). (November 13, 2015; 8:24am)	**Photograph 2:** Looking west from within the channel just west of Picador Blvd. at vegetation (willows and vines) growing up in the channel (MMP Map 130; Figure 3). (November 13, 2015; 8:30am)

Photograph 3: Looking upstream from within the channel just west of Picador Blvd. at vegetation (willows and vines) growing up in the channel (MMP Map 130; Figure 3).	**Photograph 4:** Evidence of flooding and degradation of banks on south side of channel adjacent to private residence 3770 Shooting Star Dr. (MMP Map 130; Figure 3).
(November 13, 2015)	(November 13, 2015)

Photograph 5: Looking upstream from the east end of the proposed maintenance area at the disturbed land and riparian scrub (southern willow scrub) within the channel (MMP Map 130; Figure 3).

(November 13, 2015; 11:19am)

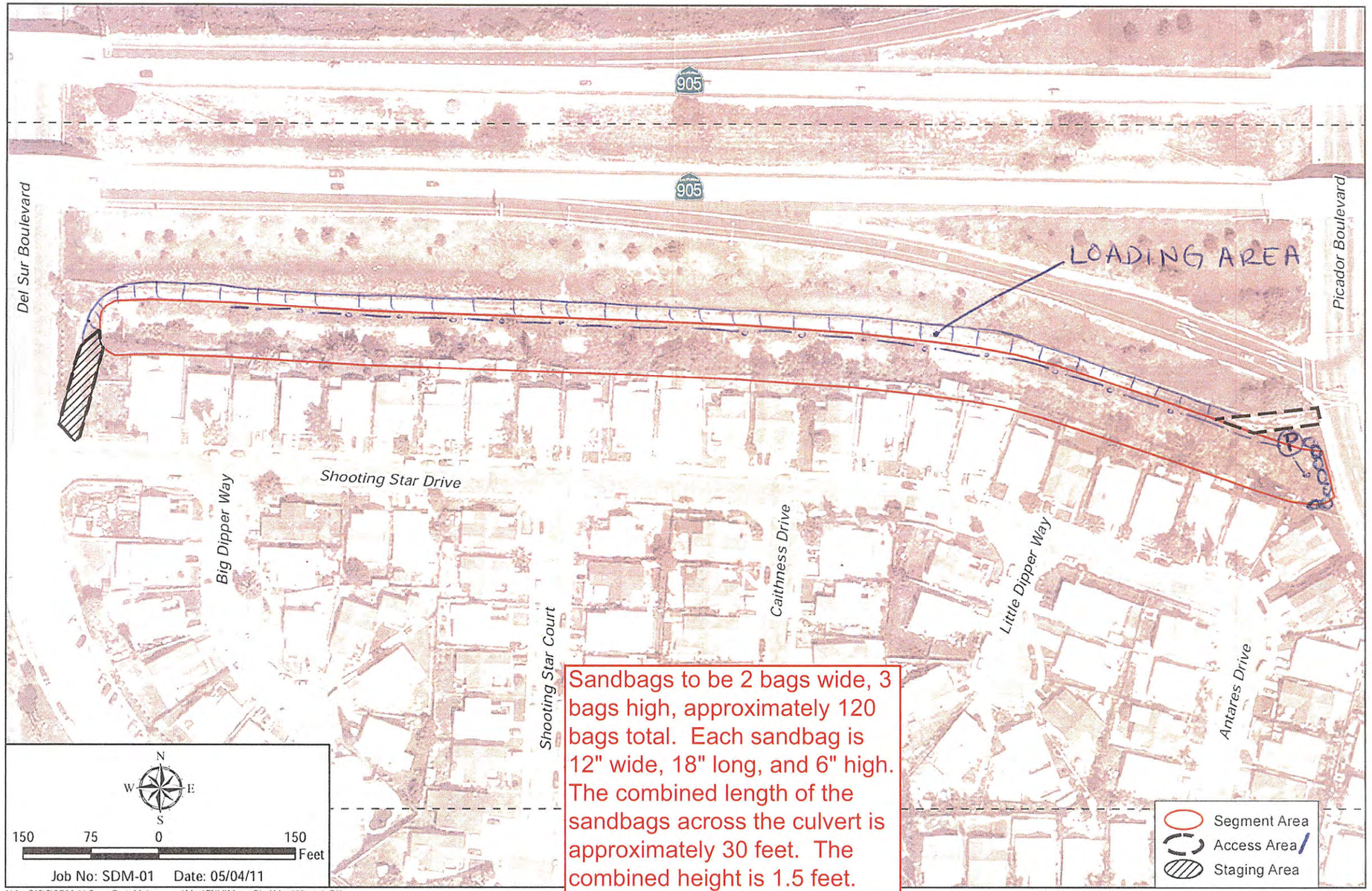
Photograph 6: Looking at one of the three concrete energy dissipators installed along the north end of the channel (MMP Map 130; Figure 3).

(November 13, 2015; 11:29am)

Photograph 7: Looking south from the north side of the channel near the center of MMP Map 130; Figure 3 towards the homes that are located on the south side of the channel (Attachment B).	**Photograph 8:** Looking south into the channel at a section of freshwater marsh habitat near the western end of the maintenance area (MMP Map 130; Figure 3).
(November 13, 2015; 11:19am)	(November 13, 2015; 11:34am)

Photograph 9: Looking down at culvert inlet at the western end of the proposed maintenance area that runs west under Del Sur Blvd. within MMP Map 130; Figure 3.

(November 13, 2015; 11:37am)



I:\ArcGIS\S\SDM-01 StormDrainMaintenance\Map\ENV\MasterPlanMap130.mxd -RK

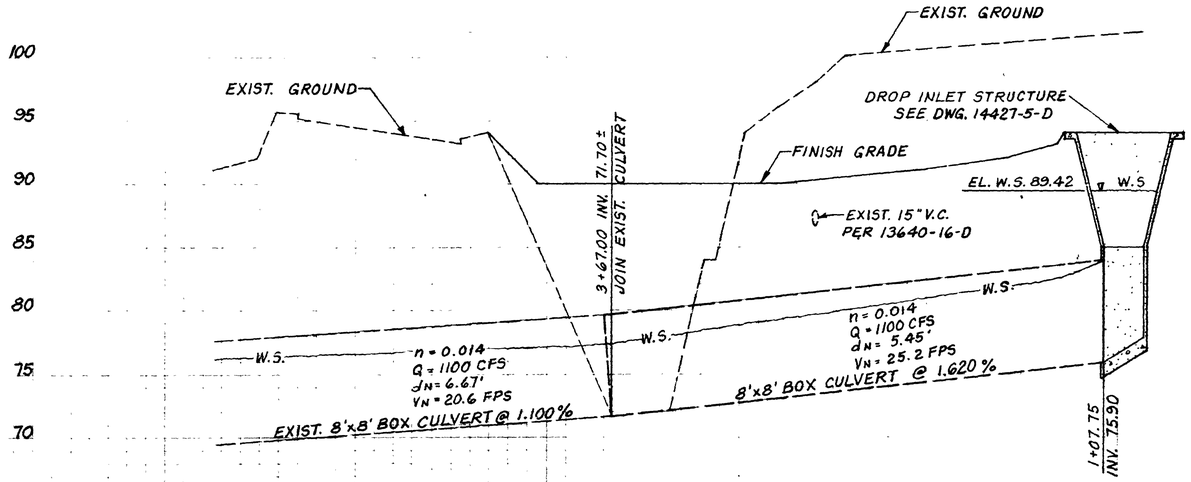
ccccc = sandbags
(P) = pump(s)
—·—· = dewatering pipes

Sandbags to be 2 bags wide, 3 bags high, approximately 120 bags total. Each sandbag is 12" wide, 18" long, and 6" high. The combined length of the sandbags across the culvert is approximately 30 feet. The combined height is 1.5 feet. By-pass pump to be placed at top of channel. By-pass hose to be placed along top of channel and discharge to downstream end. The total length of the hose is approximately 1,200 feet.

Access and Staging Areas

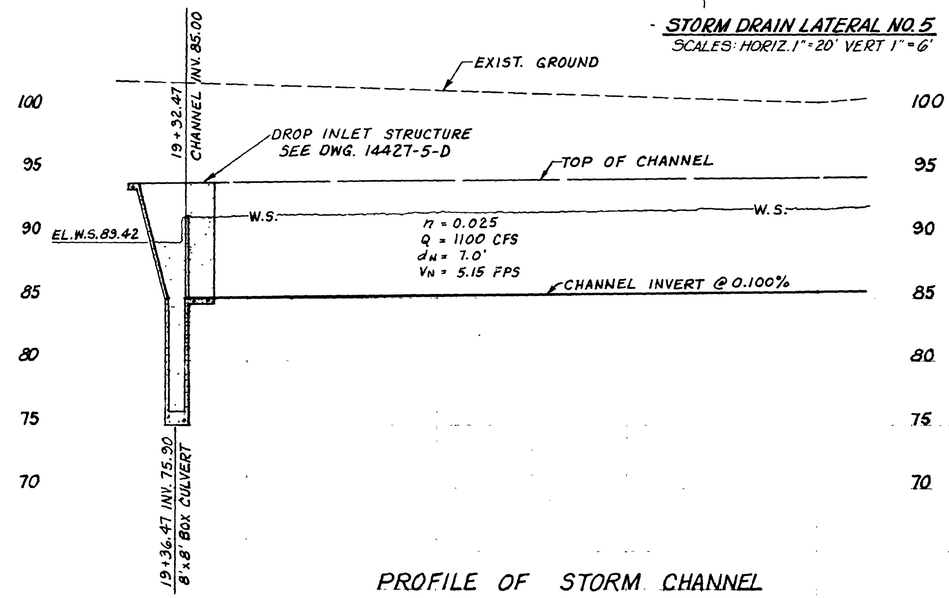
STORMWATER SYSTEM MAINTENANCE PROGRAM

Map 130



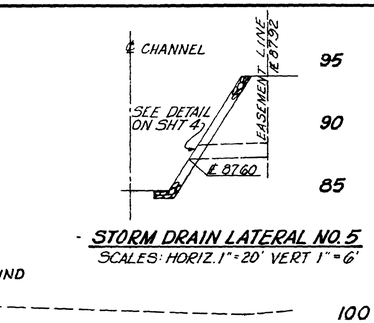
PROFILE OF 8'x 8' BOX CULVERT

SCALES: 1" = 40' HORIZ.
1" = 6' VERT.



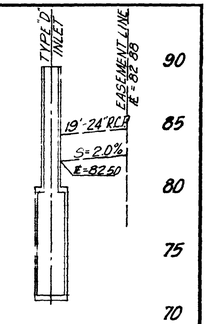
PROFILE OF STORM CHANNEL

SCALES: 1" = 40' HORIZ.
1" = 6' VERT.



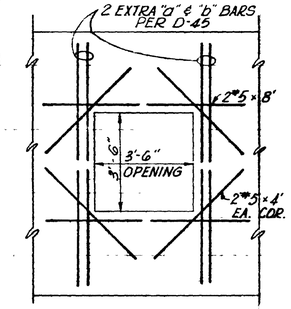
STORM DRAIN LATERAL NO. 5

SCALES: HORIZ. 1" = 20' VERT 1" = 6'



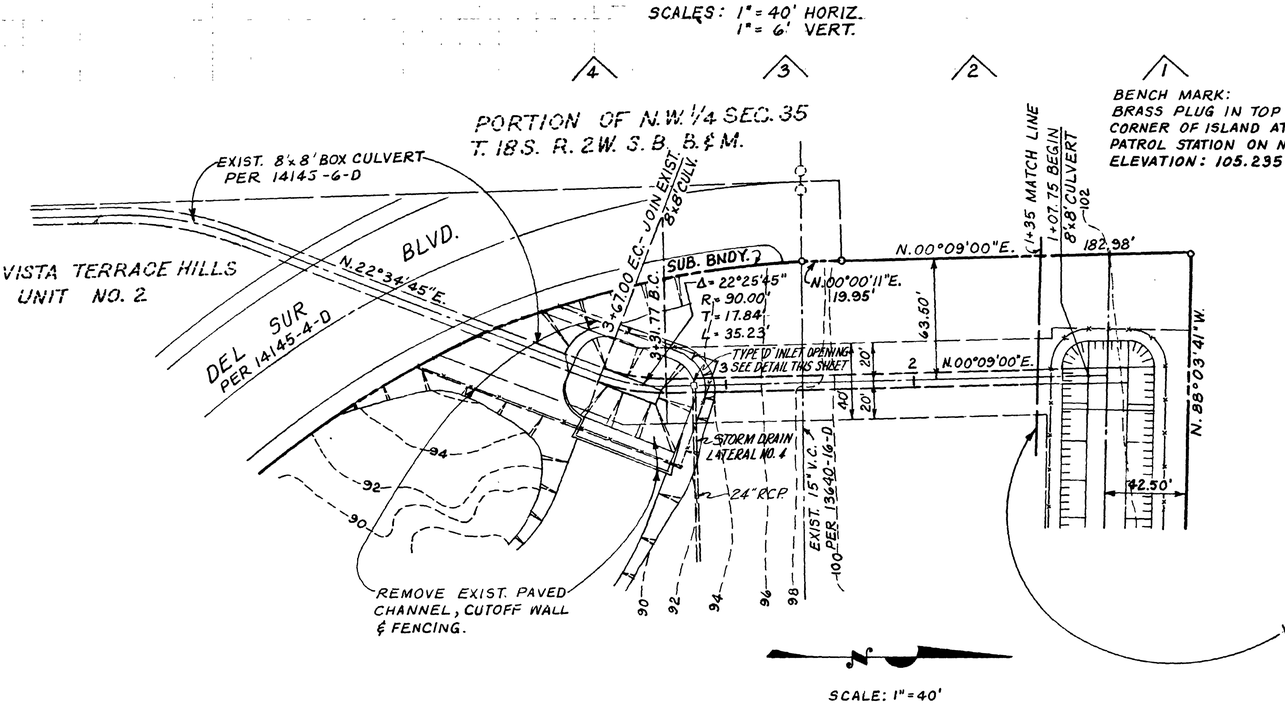
STORM DRAIN LATERAL NO. 4

SCALES: HORIZ. 1" = 20' VERT. 1" = 6'



TYPE "D" INLET OPENING

NO SCALE



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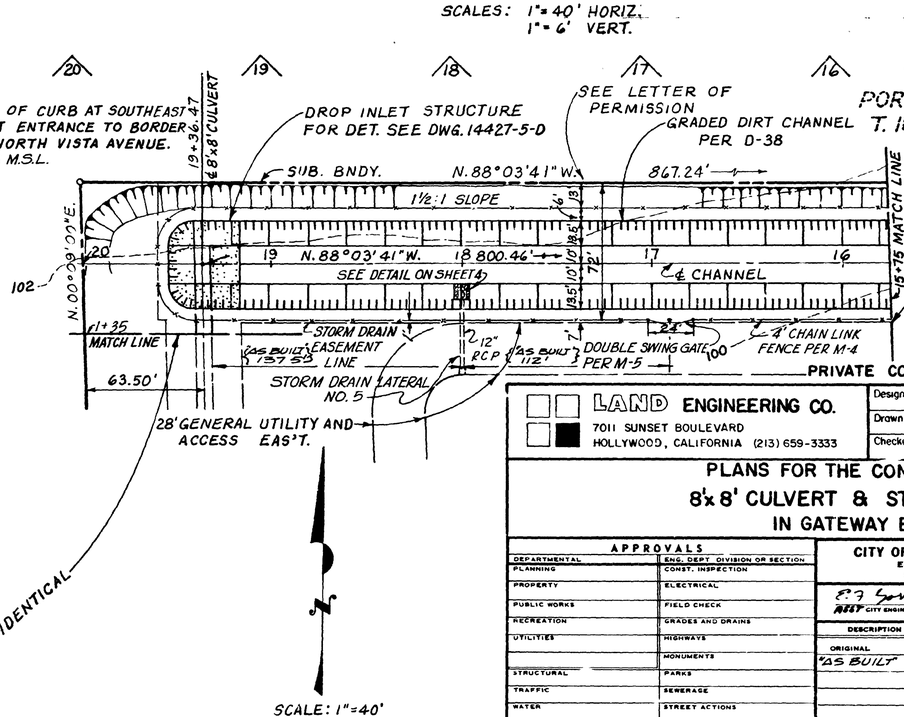

PRIVATE CONTRACT

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HOLLYWOOD, CALIFORNIA (213) 659-3333

Designed by R.D.	SCALE As Shown	DATE 9-21-70	JOB NO. 7057
Drawn by D.C	ENGINEER OF WORK Joseph C Brown R.C.E 12941		
Checked by U.C.B.			

PLANS FOR THE CONSTRUCTION OF 8'x 8' CULVERT & STORM CHANNEL IN GATEWAY ESTATES

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PLANNING	CONST. INSPECTION
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CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING DEPARTMENT
SHEET 3 OF 16 SHEETS

E.J. Symons 3/18/71
ASST. CITY ENGINEER — DATE

T.M. 70-116
W.O. NO. 78001

DESCRIPTION	BY	APPROVED	DATE	FILMED
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"AS BUILT"	WTS 3/74	[illegible]	7/31/74	

DIVISION HEAD

DESIGN ENGINEER

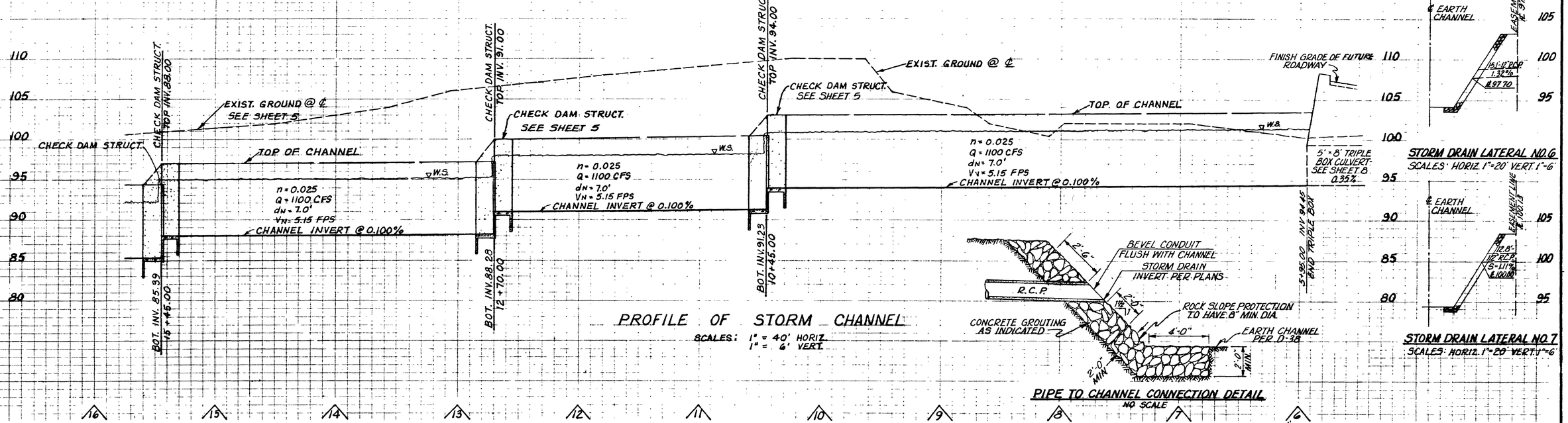
Joseph C Brown 3-2-71
CONTROL CERTIFICATION

144 - 1751
LAMBERT COORDINATES

CONTRACTOR HAZARD — DATE STARTED 1/71
INSPECTOR SHOREY — DATE COMPLETED 7/74

14427-3-D

AS BUILT



PROFILE OF STORM CHANNEL

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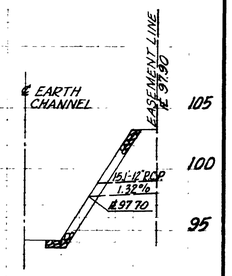
1" = 6' VERT.

PIPE TO CHANNEL CONNECTION DETAIL
NO SCALE



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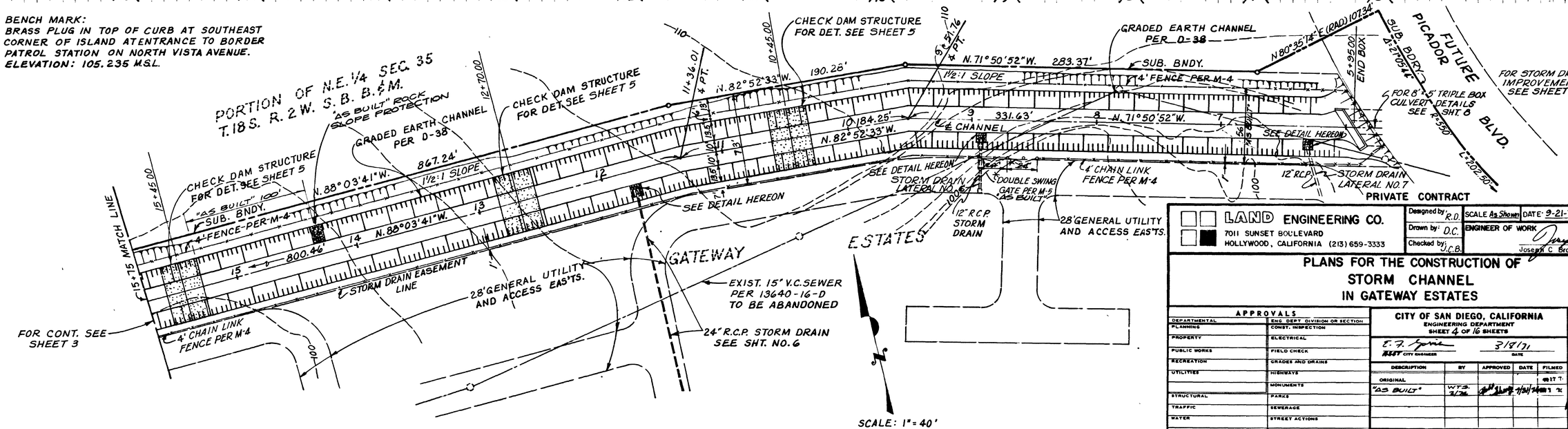

SCALE: 1" = 40'

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7011 SUNSET BOULEVARD
HOLLYWOOD, CALIFORNIA (213) 659-3333

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Drawn by: D.C.	ENGINEER OF WORK		
Checked by: J.C.B.	Joseph C. Brown R.C.E. 12941		

PLANS FOR THE CONSTRUCTION OF STORM CHANNEL IN GATEWAY ESTATES

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CITY OF SAN DIEGO, CALIFORNIA
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"AS BUILT"	WTS 3/74	[illegible]	7/24/74	7-24-74

CONTRACTOR HAZARD — DATE STARTED 1/7/74
INSPECTOR SHOREY — DATE COMPLETED 4/7/74

T.M. 70-116
W.O. NO. 78001
DIVISION HEAD
DESIGN ENGINEER
CONTROL CERTIFICATION: 3-2-71
144 - 1751
LAMBERT COORDINATES
14427-4-D

AS BUILT

7-1657 sht 4

Lehotsky, Genene

From: Rothman, Christine
Sent: Wednesday, January 27, 2016 5:29 PM
To: Monji, Alan@Waterboards
Cc: Becker, Eric@Waterboards; Honma, Lisa@Waterboards; Galer, Rose A SPL (Rose.A.Galer@usace.army.mil); Lehotsky, Genene
Subject: RE: RWQCB Bi-monthly meetings, Smythe Channel Enrollment to RGP 63, R9-2016-0014:820683:amonji

Thanks, Alan. We will keep you informed of start dates going forward as you've requested.

Christine Rothman, AICP
Development Project Manager III
City of San Diego | Transportation & Stormwater|Operations & Maintenance
2781 Caminito Chollas, MS#44 | San Diego, CA 92105 | office: (619) 527.3470

Correspondents should assume that all communication to or from this address is recorded and may be reviewed by third parties.

From: Monji, Alan@Waterboards [mailto:Alan.Monji@waterboards.ca.gov]
Sent: Wednesday, January 27, 2016 3:19 PM
To: Rothman, Christine <CRothman@sandiego.gov>
Cc: Becker, Eric@Waterboards <Eric.Becker@waterboards.ca.gov>; Honma, Lisa@Waterboards <Lisa.Honma@waterboards.ca.gov>; Galer, Rose A SPL (Rose.A.Galer@usace.army.mil) <Rose.A.Galer@usace.army.mil>
Subject: RE: RWQCB Bi-monthly meetings, Smythe Channel Enrollment to RGP 63, R9-2016-0014:820683:amonji

Christine:

Consistent with the San Diego Water Board's approach in certifying routine channel maintenance projects and in accordance with section VI of Clean Water Act Section 401 Water Quality Certification for U.S. Army Corps of Engineers Reauthorization of Regional General Permit 63 for Repair and Protection Activities in Emergency Situations, SB13006IN (RGP-63 Certification), the City of San Diego is required to provide compensatory mitigation for permanent impacts that result in a loss of functions in the amount of 3:1 (area mitigated:area impacted) in mitigation credits for the removal of southern willow scrub and freshwater marsh at Smythe Channel. If mitigation credits are not available, the San Diego Water will consider alternate mitigation proposals that adequately compensate for the permanent loss of south willow scrub and freshwater marsh habitat. No compensatory mitigation is required for removal of non-native vegetation.

At this point in time, the City of San Diego has met the emergency notification and fee requirements of the RGP-63 Certification and can be enrolled in the Certification upon the U.S. Army Corps of Engineers' authorization of RGP-63.

As noted in yesterday's meeting, please send me notifications for the start and stop dates of construction for this project.

Thanks

Alan T. Monji
Environmental Scientist
Regional Water Quality Control Board - San Diego
2375 Northside Dr. Suite 100
San Diego CA 92108
619-521-3968

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From: Rothman, Christine [mailto:CRothman@sandiego.gov]
Sent: Wednesday, January 27, 2016 7:48 AM
To: Monji, Alan@Waterboards
Cc: Vipul Joshi; Becker, Eric@Waterboards; Honma, Lisa@Waterboards; Galer, Rose A SPL (Rose.A.Galer@usace.army.mil)
Subject: RE: RWQCB Bi-monthly meetings

Thanks, Alan. We'll review these.

Christine Rothman, AICP
Development Project Manager III
City of San Diego | Transportation & Stormwater|Operations & Maintenance
2781 Caminito Chollas, MS#44 | San Diego, CA 92105 | office: (619) 527.3470

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From: Monji, Alan@Waterboards [mailto:Alan.Monji@waterboards.ca.gov]
Sent: Tuesday, January 26, 2016 4:35 PM
To: Rothman, Christine <CRothman@sandiego.gov>
Cc: Vipul Joshi <vjoshi@dudek.com>; Becker, Eric@Waterboards <Eric.Becker@waterboards.ca.gov>; Honma, Lisa@Waterboards <Lisa.Honma@waterboards.ca.gov>; Galer, Rose A SPL (Rose.A.Galer@usace.army.mil) <Rose.A.Galer@usace.army.mil>
Subject: RE: RWQCB Bi-monthly meetings

Hi Christine:

Here are some examples of some channel maintenance permits I worked on for San Marcos (11C-063) and Escondido (R9-2013-0072). Certs are posted on our website.

http://www.waterboards.ca.gov/rwqcb9/water_issues/programs/401_certification/401projects.shtml

Tricia from Dudek worked on the San Marcos permit and may be able to give Vipul some insight on what it took to do the channel assessments prior to submitting the application package to us. The excel table she created is too large to email. Escondido did something similar but used 2 tables. One outlined the facilities and the maintenance activities proposed and the other table detailed the vegetation and habitats by location.

For the Corps, I believe RJ worked on San Marcos and Peggy worked on Escondido.

Alan

><((((º>`·. .· `· ><((((º>
><((((º>`·. .· `· ><((((º>

From: Rothman, Christine [mailto:CRothman@sandiego.gov]
Sent: Monday, January 25, 2016 5:22 PM
To: Becker, Eric@Waterboards; Monji, Alan@Waterboards; Honma, Lisa@Waterboards; Galer, Rose A SPL (Rose.A.Galer@usace.army.mil)

Cc: Kleis, Andrew; Chris Oesch; Smith, Dirk; Matter, Gene; Bracci, Stephanie; Lehotsky, Genene; Bruce McIntyre; Rom, Catherine; Vipul Joshi (vjoshi@dudek.com); Balo, Keli; Meris Guerrero (Meris.Guerrero@usace.army.mil)
Subject: RE: RWQCB Bi-monthly meetings

Hello All,

Please see attached for a DRAFT agenda for tomorrow's meeting. We have a lot to discuss!

If you have any changes, questions, additions, please send them to me.

Christine Rothman, AICP
Development Project Manager III
City of San Diego | Transportation & Stormwater|Operations & Maintenance
2781 Caminito Chollas, MS#44 | San Diego, CA 92105 | office: (619) 527.3470

Correspondents should assume that all communication to or from this address is recorded and may be reviewed by third parties.

-----Original Appointment-----
From: Rothman, Christine
Sent: Tuesday, December 01, 2015 2:28 PM
To: Rothman, Christine; Matter, Gene (RMatter@sandiego.gov); Bracci, Stephanie (SBracci@sandiego.gov); Lehotsky, Genene; Rom, Catherine; Vipul Joshi (vjoshi@dudek.com); Balo, Keli
Cc: Kleis, Andrew; Chris Oesch; Smith, Dirk
Subject: RWQCB Bi-monthly meetings
When: Tuesday, January 26, 2016 1:30 PM-2:30 PM (UTC-08:00) Pacific Time (US & Canada).
Where: RWQCB Offices, Library, 2375 Northside Drive, Suite 100, SD 92108

Please hold these tentatively scheduled dates and times for bi-monthly meetings with the Regional Board 401 Certification Staff (Eric, Lisa, and Alan) as well as the Army Corps of Engineers staff (Meris and Rose). We can confirm who needs to attend as each agenda is developed.

Thanks,
Christine

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FINAL REPORT FORM FOR REGIONAL GENERAL PERMIT 63 FOR REPAIR AND PROTECTION ACTIVITIES IN EMERGENCY SITUATIONS (RGP 63)

Instructions for Attachment E

Attachment E must be submitted electronically as a pdf with a valid signature within 45 calendar days of completion of any emergency actions conducted under RGP 63. Attachment E must be submitted to the State Water Resources Control Board (State Water Board) and the applicable Regional Water Quality Control Board (Regional Water Board).

For State Water Board Submittal
Email: Stateboard401@waterboards.ca.gov (Subject: RGP 63)

For the applicable Regional Water Board Submittal
A staff directory that includes contact information for the State and Regional Water Boards is found at:
http://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/staffdirectory.pdf

PROPERTY OWNER		
Name: City of San Diego	Phone Number: 619-527-7506	
Mailing Address: 2781 Caminito Chollas, MS 44		
City: San Diego	State: CA	ZIP Code: 92105
Contact Person: Gene Matter	E-Mail: rmatter@sandiego.gov	
BILLING ADDRESS		
Name: SAME AS ABOVE	Phone Number:	
Mailing Address:		
City:	State:	ZIP Code:
Contact Person:	E-Mail:	
DISCHARGER (If different from owner)		
Name:	Phone Number:	
Mailing Address:		
City:	State:	ZIP Code:
Contact Person:	E-Mail:	
PROJECT SITE LOCATION		
Street (include address, if any): 3684 Shooting Star Dr. San Diego, CA 92173		
Nearest Cross Street(s): Shooting Star Dr. and Del Sur Blvd.		
County: San Diego	Total size of project site (acres): 0.97	
Photos Attached: X Yes ☐ No		

Latitude/Longitude (Center of Discharge Area) in degrees/minutes/seconds (DMS) to the nearest ½ second OR decimal degrees (DD) to four decimals (0.0001 degree)

DMS: N. Latitude Deg. ___32____ Min. ____34____ Sec. _____3.44_____

W. Longitude Deg. ____117___ Min. ____3____ Sec. _____20.08_____

DD: N. Latitude _____

W. Longitude _____

Attach a map of at least 1:24000 (1" = 2000') detail of the impact site(s).

Indicate the map format used (listed in order of preference):

X **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 aquatic resource type. 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.

☐ **Google KML files** saved from Google Maps: My Maps (free) or Google Earth Pro (not free). Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted.*

X Aquatic resource maps marked on paper USGS 7.5 minute **topographic maps** or DOQQ printouts. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted.

*** If using Google Maps: My Maps or similar, provide URL(s) of maps.**

DISCHARGE INFORMATION	
Project Start Date: February 3, 2016	Project Completion Date: April 21, 2016
Names of Receiving Water(s):	
Unnamed tributary to Tijuana River (Hydrologic Unit Basin Number 11.11)	
Receiving Water Types:	
☐Lake/Reservoir ☐Ocean/Estuary/Bay X River/Streambed	X Riparian Area ☐Vernal Pool ☐Wetland
Regulatory Agencies with Jurisdiction Over Project and Associated Permits/Agreements:	
Army Corps of Engineers – RGP 63, Authorization SPL-2015-00942-RAG California Department of Fish and Wildlife – Emergency Notification Regional Water Quality Control Board City of San Diego Development Services Department	
Emergency Project Description: (e.g. discharge of riprap; discharge of fill; excavation for a utility line)	
The section of the Smythe Channel that required emergency maintenance starts at a three box culvert under Picador Blvd. and stretches west for 1,392 feet with an average bottom width of	

approximately 20 feet (earthen bottom) and top width of approximately 47 feet. The segment ends at an 8 foot by 8 foot culvert that carries downstream flows west under Del Sur Blvd. (MMP Map 130; Figure 3). The maintenance was completed in this channel in order to prevent damage to surrounding areas from flooding during heavy storms forecasted as part of the 2015-2016 El Nino season.

Emergency maintenance of the channel included the removal of accumulated sediment and vegetation from the channel. Prior to maintenance, City engineers estimated the pre-maintenance capacity of the channel was at a 2-year storm capacity, whereas the as-built condition is 25-year capacity. Sediment and vegetation had accumulated so densely that, with even moderate flow volumes, there was an imminent flooding threat to properties adjacent to the channel due to constriction points and a reduction in flow rates. After initial vegetation and sediment removal within the earthen channel, rocks and debris were cleared from within the three box culvert under Picador Blvd.

Land covers and vegetation impacted by the project included 0.39 acres of riparian scrub (southern willow scrub) and 0.20 acres of freshwater marsh. Total impacts to ACOE/RWQCB/CDFW jurisdictional areas was 0.59 acre (1,392 linear feet) of wetland waters of the U.S. within the proposed emergency maintenance section (MMP Map 130). There was also 0.38 acre of riparian scrub (southern willow scrub) removed that was above the Ordinary High Water Mark (OHWM) and under CDFW jurisdiction only. In addition to these jurisdictional impacts, 0.59 acre of disturbed land, 0.08 acre of ornamental/non-native vegetation, and 0.03 acre non-native grassland (non-jurisdictional uplands) were cleared to access and re-establish the channel. As a result of maintenance activities, the channel was restored to its as-built capacity.

The Tracksteer/Bobcat, Loader, Gradall/Excavator, extended-arm Gradall, chainsaws, and dump trucks were the primary tools used to remove material from the channel. The Loader began by clearing vegetation from the access road along the north bank of the channel. Hand crews entered and began cutting down the trees and vegetation along the bottom and banks of the channel. The Gradall/Excavator and extended-arm Gradall then worked from the northern bank access road and reached into the channel to clear sediment, remaining vegetation, and debris and loaded it directly into dump trucks. Once the material was loaded into dump trucks, it was taken directly to Miramar Landfill for disposal. An earthen berm was built directly downstream of the three box culvert outlet on the east end of the channel in order to stop downstream flows from entering the work area. Then a pump diversion system was installed to allow these flows to be diverted along the channel bank and downstream of the maintenance.

Following initial sediment and vegetation removal from the channel, a contractor was hired by the City to remove debris from the upstream and downstream box culverts. The Contractor entered the channel and removed debris from within the upstream three box culverts. Prior to the end of the 90-day RGP 63 authorization period, the Contractor conducted final minor grading to create positive downstream from the culvert outlet to the first grade control structure.

All work was monitored by a qualified biologist. An archeologist also monitored the site, as needed. All equipment was removed from the site at the end of the project.

Purpose of the Entire Project Activity: (e.g. stream-bank erosion control; maintain, repair, or restore damaged property)

The purpose of the project was to remove accumulated sediment and vegetation from the earthen bottom Smythe channel (approximately 1,392 LF), create positive flow within the channel section, and clear debris from the culvert under Picador Blvd. Prior to maintenance,

properties adjacent to the channel and City infrastructure (i.e. roads, fencing, etc.) were at high risk from flood damage as City engineers had estimated that the channel was at a 2-year storm capacity. Excavation and removal of the vegetation, sediment, and debris restored the minimum necessary capacity to the channel in order to alleviate the threat of flooding to adjacent properties. This maintenance has restored the channel to its as-built condition.

The strength of the 2015-2016 El Niño was unknown, and it, combined with the observed channel conditions, created a substantial likelihood that significant rain events would cause additional flooding of the properties surrounding the Smythe channel (MMP Map 130), particularly within the remaining rainy season months (approximately March to April 2016). Therefore, it was necessary that vegetation and sediment be removed from this channel in order to alleviate the threat of flooding.

Erosion and Sediment Control Measures Implemented:

Adjacent access/staging areas were located in existing developed or disturbed areas. Adequate BMPs were placed in those areas to prevent sedimentation and erosion (See Pollution Prevention Measures below). All work was conducted during dry or no flow periods.

Pollution Prevention Measures Implemented:

The 401 Certification for RGP 63 lists 7 BMP conditions (Section D):

1. Appropriate materials were kept on site to contain potential spills. No spills occurred.
2. Fueling, vehicle maintenance, storage, etc. were located outside of waters of the state and did not result in any discharges.
3. No spills occurred and therefore no notification to the Water Boards was required.
4. All construction materials and debris were removed or stockpiled outside of the waters of the state following completion of the emergency action.
5. The water diversion activities did not result in degradation of beneficial uses. Placement of temporary dams caused little or no siltation. Normal flows were restored to the stream upon completion of work.
6. All necessary BMPs to control erosion and runoff from staging and access areas were employed. BMPs and slope conditions continue to be monitored and hydroseeding may occur if necessary.
7. No invasive species have been used or will be used included in any future revegetation which is implemented.

Fill and Excavation Discharges: For each aquatic resource type listed below indicate in acres, cubic yards, and linear feet the actual discharge to waters of the state, and identify the impact(s) as permanent and/or temporary.

Aquatic Resource Type	Temporary Impact			Permanent Impact		
	Acres	*Cubic Yards*	*Linear Feet*	*Acres*	*Cubic Yards*	*Linear Feet*
Lake/Reservoir						
Ocean/Estuary/Bay						
Riparian Zone						
Stream Channel						
Vernal Pool						
Wetland				0.59	1,150	1,392

COMPENSATORY MITIGATION

Required: X Yes ☐No | Photos Attached: ☐Yes X No

Compensatory Mitigation Description (include aquatic resource type and acres and linear feet):

All work was limited to sediment and vegetation within and adjacent to the earthen channel. The vegetation communities and land covers impacted as part of this maintenance included 0.39 acres of riparian scrub (southern willow scrub) and 0.20 acres of freshwater marsh.

The USACE authorized the proposed maintenance on January 22, 2016 through issuance of a Regional General Permit 63 Authorization (SPL-2015-00942-RAG). Non-Discretionary Special Condition #4 of the authorization states that the "To mitigate for impacts to [0.59] acre of wetland waters of the U.S., the Permittee shall purchase mitigation credits at a Corps-approved mitigation bank at a minimum of 3 to 1 ratio (i.e. [1.77] acre). Prior to purchasing the credits, the Permittee must receive approval of the mitigation bank and credit type proposed to be purchased. If credits are not available at a Corps-approved mitigation bank in the service area of the project and with the correct type of credit the Permittee shall provide a draft Habitat Mitigation and Monitoring Plan (HMMP) outlining the proposed mitigation within 90 days. The draft HMMP shall meet all the requirements outlined in 33 CFR 332, including providing justification for the site selection and how the mitigation addresses the needs of the watershed. The credits proposed for purchase or the draft HMMP must be submitted to the Corps within 45 days of project completion."

In compliance with the above condition, attached is the "Smythe Channel Proposed Off-site Mitigation in the Tijuana River Valley" memo, dated May 20, 2016.

It should be noted that since the USACE has required mitigation for "permanent impacts" of the project, the City requests that the San Diego RWQCB provide written acknowledgment that the required mitigation is adequate to mitigate any future maintenance of this channel that results in similar loss of functions (i.e., vegetation and sediment removal within the same maintenance footprint).

MITIGATION SITE LOCATION

Street (include address, if any): N/A

Nearest Cross Street(s): Hollister St./Monument Rd., San Diego, CA

County: San Diego

Latitude/Longitude (Center of Mitigation Area) in degrees/minutes/seconds (DMS) to the nearest ½ second OR decimal degrees (DD) to four decimals (0.0001 degree)

DMS: N. Latitude Deg. __32_____ Min. ___33_____ Sec. _____.075_____

W. Longitude Deg. __117_____ Min. ___5_____ Sec. ____.600_____

DD: N. Latitude _____

W. Longitude _____

Attach a map of at least 1:24000 (1" = 2000') detail of the mitigation site.

Indicate the map format used (listed in order of preference):

☐ **GIS shapefiles**. The shapefiles must depict the boundaries of all project(s) and extent of aquatic resources. Each shape should be attributed with the aquatic resource type. 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.

☐ **Google KML files** saved from Google Maps: My Maps (free) or Google Earth Pro (not free). Maps must show the boundaries of all project(s) and extent/type of aquatic resources.*

X Aquatic resource maps marked on paper USGS 7.5 minute **topographic maps** or DOQQ printouts. Maps must show the boundaries of all project(s) and extent/type of aquatic resources. See attached "Smythe Channel Proposed Off-site Mitigation in the Tijuana River Valley" memo, dated May 20, 2016.

*** If using Google Maps: My Maps or similar, provide URL(s) of maps.**

CERTIFICATION	
"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. In addition, I certify that the provisions of this Certification and Corps Regional General Permit No. 63 will be complied with."	
Signature of Discharger	Title Assistant Deputy Director
Printed or Typed Name Gene Matter	Date June 3, 2016

APPENDIX B

San Diego Water Board Stream Photo Documentation Procedures for 401 Water Quality Certifications

SAN DIEGO WATER BOARD
STREAM PHOTO DOCUMENTATION PROCEDURES FOR 401 WATER QUALITY CERTIFICATIONS

Standard Operating Procedure (SOP)

Stream Photo Documentation Procedure
(CARCD 2001, Written by TAC Visual Assessments work group)

Introduction:

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

Equipment:

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

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

Optional:

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

How to Access Aerial Photographs:

Aerial Photos can be obtained from the following federal agencies:

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

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

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

Roles and Duties of Team:

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

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

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

Safety Concerns:

Persons involved in photo monitoring should **ALWAYS** put safety first. For safety reasons, always have at least two 2 volunteers for the survey. Make sure that the area(s) you are surveying either are accessible to the public or that you have obtained permission from the landowner prior to the survey.

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

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

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

General Instructions:

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

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

photo is taken. Oftentimes an overhead or elevated shot from a bridge, cliff, peak, tree, etc. will be instrumental in conveying the full dimensions of the project. Of most importance overall, however, is being aware of the goal(s) of the project and capturing images that clearly demonstrate progress towards achieving those goal(s). Again, reference to *Suggestions for Photo Points by Type of Project* may be helpful.

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

Recording Information:

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

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

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

When monitoring the implementation of restoration, fuel reduction, or Best Management Practices (BMP) projects, include or attach to the photo-log a narrative description of observable progress in achieving the goals of the

project. Provide supplementary information along with the photo, such as noticeable changes in habitat, wildlife, and water quality and quantity.

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

The Photo Point: Establishing Position of Photographer:

1. Have available a variety of methods for establishing position: maps, aerial photos, GPS, permanent markers and landmarks, etc. If the primary method fails (e.g., a GPS or lost marker post) then have an alternate method (map, aerial photo, copy of an original photograph of the photo-point, etc).

2. Select an existing structure or landmark (mailbox, telephone pole, benchmark, large rock, etc.), identify its latitude and longitude, and choose (and record for future use) the permanent position of the photographer relative to that landmark. Alternatively, choose the procedure described in *Monitoring California's Annual Rangeland Vegetation* (UC/DANR Leaflet 21486, Dec. 1990). This procedure involves placing a permanently marked steel fence post to establish the position of the photographer.

3. For restoration, fuel reduction, and BMP projects, photograph the photo-points and carry copies of those photographs on subsequent field visits.

Determining the Compass Bearing:

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

Suggestions for Photo Points by Type of Project:

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

1. When first beginning an ambient monitoring program take representative long and/or medium view photos of stream reaches and segments of shoreline being monitored. Show the positions of these photos on a map, preferably on the stream/shore walk form. Subjects to be photographed include a representative view of the stream or shore condition at the beginning and ending positions of the segment being monitored, storm drain outfalls, confluence of tributaries, structures (e.g., bridges, dams, pipelines, etc.).

2. If possible, take a close view photograph of the substrate (streambed), algae, or submerged aquatic vegetation.

3. Time series: Photographs of these subjects at the same photo points should be repeated annually during the same season or month if possible.

4. Event monitoring refers to any unusual or sporadic conditions encountered during a stream or shore walk, such as trash dumps, turbidity events, oil spills, etc. Photograph and record information on your photo-log and on your Stream and Shore Walk Visual Assessment form. Report pollution events to the Regional Board. Report trash dumps to local authorities.

All Restoration and Fuel Reduction Projects – Time Series:

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

Meadow Restoration:

1. Aerial view (satellite or airplane photography) if available.

2. In the absence of an aerial view, a landscape, long view showing an overlapping sequence of photos illustrating a long reach of stream and meadow (satellite photos, or hill close by, fly-over, etc.)

3. Long view up or down the longitudinal dimension of the creek showing riparian vegetation growth bounded on each side by grasses, sedges, or whatever that is lower in height

4. Long view of conversion of sage and other upland species back to meadow vegetation

5. Long view and medium view of streambed changes (straightened back to meandering, sediment back to gravel, etc.)

6. Medium and close views of structures, plantings, etc. intended to induce these changes

Stream Restoration/stabilization:

1. Aerial view (satellite or airplane photography) if available.

2. In the absence of an aerial view, a landscape, long-view showing all or representative sections of the project (bluff, bridge, etc.)

3. Long view up or down the stream (from stream level) showing changes in the stream bank, vegetation, etc.

4. Long view and medium view of streambed changes (thalweg, gravel, meanders, etc.)

5. Medium and close views of structures, plantings, etc. intended to induce these changes.

6. Optional: Use a tape set perpendicular across the stream channel at fixed points and include this tape in your photos described in 3 and 4 above. For specific procedures refer to Harrelson, Cheryl C., C.L. Rawlins, and John P. Potyondy, *Stream Channel Reference Sites: An Illustrated Guide to Field Techniques*, United States Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-245.

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

1. Aerial view (satellite or airplane photography) if available.

2. In the absence of an aerial view, a landscape, long view showing all or representative sections of the project (bluff, bridge, etc.)

3. Long view (wide angle if possible) showing the project area or areas. Preferably these long views should be from an elevated vantage point.

4. Medium view photos showing examples of vegetation changes, and plantings if included in the project. It is recommended that a person (preferably holding a stadia rod) be included in the view for scale

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

Stream Sediment Load or Erosion Monitoring:

1. Long views from bridge or other elevated position.

2. Medium views of bars and banks, with a person (preferably holding a stadia rod) in view for scale.

3. Close views of streambed with ruler or other common object in the view for scale.

4. Time series: Photograph during the dry season (low flow) once per year or after a significant flood event when streambed is visible. The flood events may be episodic in the south and seasonal in the north.

5. Optional: Use a tape set perpendicular across the stream channel at fixed points and include this tape in your photos described in 1 and 2 above. For specific procedures refer to Harrelson, Cheryl C., C.L. Rawlins, and John P. Potyondy, *Stream Channel Reference Sites: An Illustrated Guide to Field Techniques*, United States Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-245.

PHOTO- LOG FORM

Project:
Location:
Date:
Photographer:
Team members:

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

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

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

Location:

Subject Description:

Date:

Time: