

**DEPARTMENT OF THE ARMY REGIONAL GENERAL PERMIT 86
FOR
CITY OF VISTA CHANNEL MAINTENANCE**

Permittee: Cheryl Filar, Storm Water Program Manager, City of Vista

Project Name: City of Vista Channel Maintenance

Permit Number: SPL-2014-00733-MBS

Issuing Office: Los Angeles District

Note: The term "you" and its derivatives, as used in this permit, means the Permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

Project Description: To temporarily discharge fill into 0.43 acre of waters of the U.S. pursuant to Section 404 of the Clean Water Act of 1972, in association with the City of Vista Channel Maintenance Project. This Regional General Permit (RGP) authorizes mechanical sediment, vegetation, and debris removal (maintenance activities) of 32 channel facilities as shown on the Master Table of RGP 86 Facilities.

Project Location: 32 locations throughout the City of Vista , San Diego County, California (Figure 1).

Permit Conditions:

1. This RGP shall expire on January 20, 2020. Based on continuing evaluation of the general permit, the Corps retains discretion to reissue, modify, rescind, or exclude certain activities or areas from authorization under the RGP. Requests to renew this RGP should be received at least 6 months prior to the proposed expiration date.
2. Pre-construction notification:
 - a. Timing: The Permittee must notify the U.S. Army Corps of Engineers (Corps) prior to beginning any project, and shall not commence the activity until a Notice to Proceed verification of compliance with RGP 86 is received from the Corps or forty-five (45)

- days have passed since the Corps received a complete notification package. The Corps maintains discretion to add Special Conditions to the verification to clarify compliance with the terms and conditions of this RGP to ensure that the proposed project would have only minimal individual and cumulative adverse impacts to the environment.
- b. Contents of notification: The notification must be in writing (Standard permit application form may be used, ENG 4345) and include the following information:
 - i. Location of the proposed project, including latitude and longitude or UTM coordinates;
 - ii. Brief description of the work to be performed, including methods and equipment, in waters of the U.S., including jurisdictional wetlands;
 - iii. Type of facility that will be maintained (e.g., box culvert, open channel etc.);
 - iv. Total area and type of waters of the U.S. to be impacted;
 - v. Description of habitats and any federally listed species that might be affected or is in the vicinity of the proposed project;
 - vi. Graphics including Vicinity Map, Plan View, and Cross-section view (black and white drawings of the pre- and post-construction site conditions), showing all work and structures in waters of the U.S. All plan sheets shall be signed, dated, and submitted on paper no larger than 8 ½ X 11 inches; and
 - vii. Signature of the applicant and authorized agent, if assigned.
 - c. Corps Decision: In reviewing the notification for the proposed activity, the Corps will determine whether or not the activity qualifies for authorization under RGP 86 and adverse environmental effects are no more than minimal. If it is determined that adverse effects are more than minimal, then discretionary authority, as defined in 33 CFR Part 330.4(e), may be asserted and the applicant will be notified that another form of Department of the Army authorization, such as an individual permit is required.
3. You must comply with the conditions specified in the 401 Water Quality Certification, Number 08C-068 dated March 26, 2009 and amended on March 11, 2014, as special conditions to this permit.
 4. This RGP does not authorize you to take any threatened or endangered species, in particular the least Bell's vireo (*Vireo bellii pusillus*) or coastal California gnatcatcher (*Polioptila californica californica*) 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).
 5. All work authorized by this RGP shall be completed between September 1 and February 14.
 6. Pursuant to 36 C.F.R. section 800.13, in the event of any discoveries during construction of either human remains, archeological deposits, or any other type of historic property, the Permittee shall notify the Corps' Archeology Staff within 24 hours (John Killeen at 213-452-3861). The Permittee shall immediately suspend all work in any area(s) where potential cultural

resources are discovered. The Permittee shall not resume construction in the area surrounding the potential cultural resources until the Corps Regulatory Division re-authorizes project construction, per 36 C.F.R. section 800.13.

7. The Permittee shall clearly mark the limits of the workspace with flagging or similar means to ensure mechanized equipment does not enter avoided waters of the U.S. and riparian wetland/habitat areas. Adverse impacts to waters of the U.S. beyond the Corps-approved construction footprint are not authorized. Such impacts could result in permit suspension and revocation, administrative, civil or criminal penalties, and/or substantial, additional, compensatory mitigation requirements.
8. Channel width shall not be increased as a result of sediment removal, and channel elevations will not be excavated below as-built conditions necessary to restore the original function and capacity of the system.
9. Discharges must not permanently restrict or impede the passage of normal or expected high flows or cause the relocation of the water.
10. No mechanized equipment, rubber-tired vehicles, track vehicles, or other equipment shall be stored, staged, or fueled in waters of the U.S., including wetlands.
11. Excavated material shall not be stockpiled in waters of the U.S. All excavated material shall be disposed of at a suitable upland site.
12. Within 45 calendar days of completion of authorized work in waters of the U.S., the Permittee shall submit to the Corps Regulatory Division a post-project implementation memo (including summary tables, scaled maps, and photographs of the impacts areas) indicating the date authorized impacts to waters of the U.S. ceased and summarizing the activities performed under this RGP, documentation that impacts at each site were not exceeded, and documentation of compliance with the general conditions of this RGP.

Further Information:

1. Congressional Authorities. You have been authorized to undertake the activity described above pursuant to:
 - () Section 10 of the River and Harbor Act of 1899 (33 U.S.C. 403).
 - (X) Section 404 of the Clean Water Act (33 U.S.C. 1344).
 - () Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. 1413).
2. Limits of this authorization.

a. This permit does not obviate the need to obtain other Federal, state, or local authorizations required by law.

b. This permit does not grant any property rights or exclusive privileges.

c. This permit does not authorize any injury to the property or rights of others.

d. This permit does not authorize interference with any existing or proposed Federal project.

3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:

a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.

b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.

c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.

d. Design or construction deficiencies associated with the permitted work.

e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data. The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision. This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

a. You fail to comply with the terms and conditions of this permit.

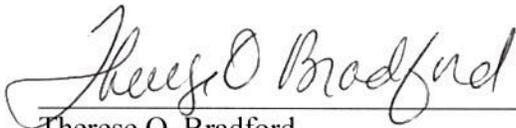
b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (See 4 above).

c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measure ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions. General condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give you favorable consideration to a request for an extension of this time limit.

This permit is issued on behalf of Colonel Kimberly M. Colloton, District Engineer.



Therese O. Bradford
Chief, South Coast Branch

1-20-15

DATE

FIGURE 1.
PROJECT VICINITY MAP : City of Vista storm water conveyance system maintenance project locations, Guajome Creek mitigation site.

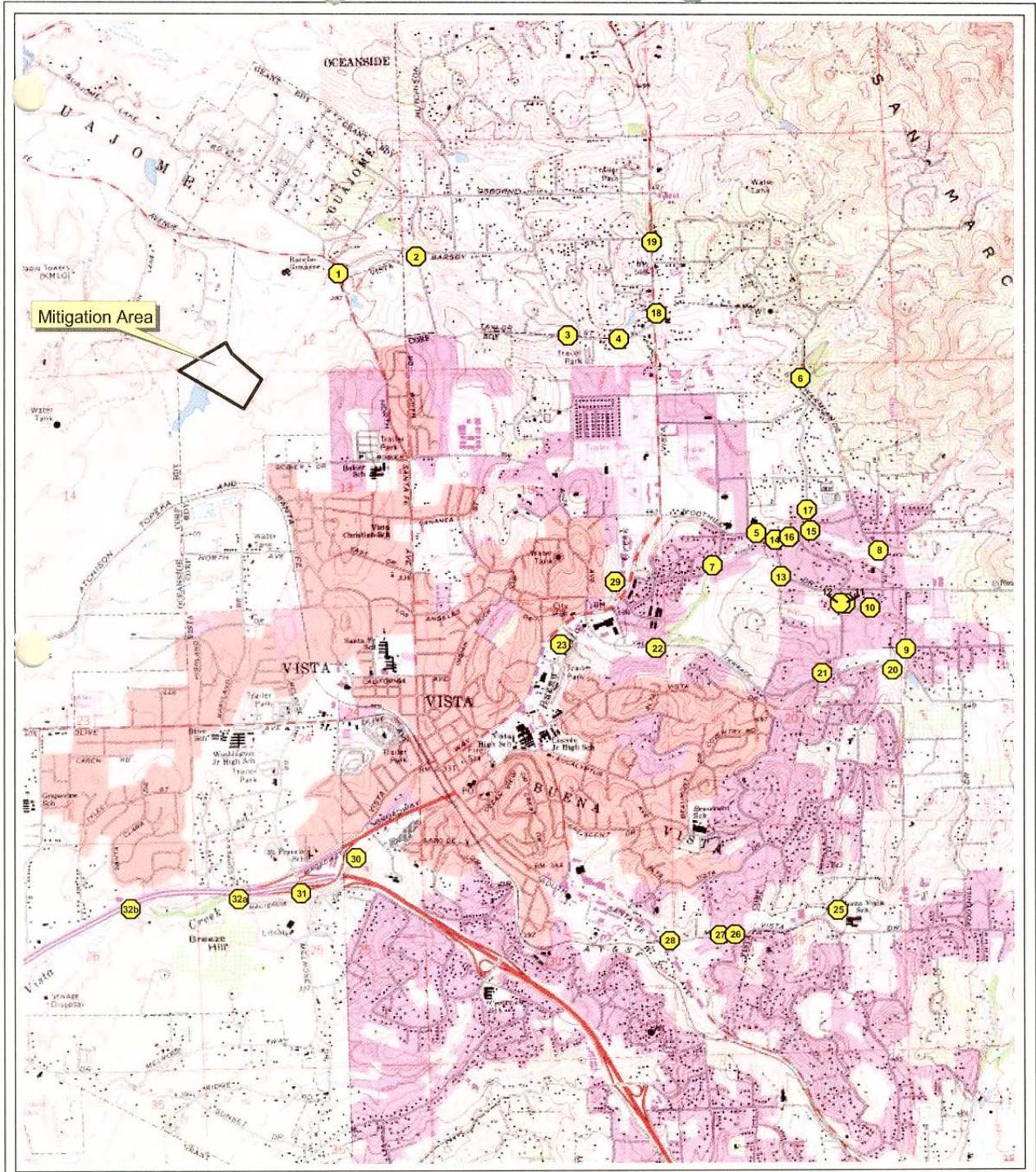


TABLE 1.

SUMMARY OF PROJECT DESCRIPTION AND CORPS JURISDICTIONAL IMPACTS

SITE #1
Location: 2133 N. Sante Fe Ave.
GPS coordinates: 2029873.91 N, 6255961.79 E
Site Description: Unnamed tributary to Guajome Wetlands. This site is mapped as exotic riparian woodland. Dominant species within the proposed maintenance area include California fan palm, Brazilian pepper tree, and <i>Acacia</i> sp. An ephemeral drainage runs east to west under N. Sante Fe Ave, and to Guajome County Park. The proposed maintenance site is dominated by non-native vegetation and surrounded by residential development.
Description of Proposed Maintenance Action: Only on a “need-be” basis. Work would involve hand-cutting California fan palm (<i>Washingtonia filifera</i>) on the east side of the road, approximately 20 feet out from the box culvert. There may be a potential need for hand-shoveling soil if elevation problems are discovered in the future. Work would not exceed the width of the drainage. Maintenance activity on the west side of the road would include the trimming and/or removal of one <i>Acacia</i> sp. and Brazilian pepper tree (<i>Schinus terebinthifolia</i>). Work on the west side of the road would involve the use of a backhoe to remove approximately 10 CY of accreted sediment, extending 20’ from the culvert. Access to the site would occur from the south, if approved by the adjacent property owner. Maintenance work would not exceed the width of the drainage. No vegetated wetlands or coast live oaks (<i>Quercus agrifolia</i>) would be removed. Total jurisdictional impact within maintenance site: 240 ft ² .
Proposed Schedule of Maintenance: Annual

SITE #2
Location: 2140 to 2109 Goodwin Dr.
GPS coordinates: 2030205.56 N, 6257750.39 E
Site Description: Unnamed tributary to Guajome Wetlands. The east and west sides of Goodwin Drive proposed for maintenance are dominated by southern willow scrub vegetation, with an ephemeral stream running east to west to Guajome County Park. This habitat type is dominated by arroyo willow (<i>Salix lasiolepis</i>), broad-leaved cattail (<i>Typha latifolia</i>), and great marsh evening primrose (<i>Oenothera elata</i> ssp. <i>hirsutissima</i>). Exotic riparian woodland vegetation borders to the north, and is dominated by eucalyptus trees (<i>Eucalyptus</i> spp.) The entire site proposed for maintenance work is surrounded by residential development.
Description of Proposed Maintenance Action: Proposed work on the east side of the road includes the removal of vegetative debris 20’ from the box culvert. Work will not exceed the width of the cement head wall (30’ wide). Impacts on the west side of the road would result from the mechanical removal of approximately 17 CY of accreted sediment and vegetative debris from within the drainage, in addition to the light trimming of arroyo willow (<i>Salix lasiolepis</i>). No vegetated wetlands would be removed. Total jurisdictional impact within the maintenance site: 120 ft ² .
Proposed Schedule of Maintenance: Annual

Site #3
Location: 803 W. Taylor St.
GPS coordinates: 2028264.69 N, 6261147.57 E
Site Description: Unnamed tributary to Guajome Wetlands. The proposed maintenance site is comprised largely of exotic riparian woodland vegetation. There is a portion of southern willow scrub on the south side of the road, dominated by arroyo willow. A high component of non-native species are present throughout this site, including species such as Brazilian pepper tree, Himalayan blackberry, and shamel ash (<i>Fraxinus uhdei</i>). Adjacent to the road is mostly bare ground, with scattered filaree, plantain (<i>Plantago</i> sp.), Russian thistle (<i>Salsola tragus</i>), and Radish. The on-site drainage is an east to west running

ephemeral stream that drains into Guajome County Park. Due to the large amount of cut, dead vegetative debris deposited in the channel and recent rain events, this stream has split into 2 channels in the area proposed for maintenance. The entire site is surrounded by residential development.
Description of Proposed Maintenance Action: Proposed maintenance work involves clearing vegetative debris and digging to invert of pipe elevation (north side only) with a backhoe to inspect pipe for the possibility of resurfacing. Expected impacts to occur on the north side of the road would be 20' out from the road (approximately 12 CY), and 45' out from the road on the south side. In addition, light trimming of non-native species such as Himalayan blackberry (<i>Rubus discolor</i>) and Peruvian pepper tree (<i>Schinus molle</i>) may occur. Trimming of native species would include arroyo willow. No vegetated wetlands would be removed. Total jurisdictional impact within the maintenance site: 160 ft ² .
Proposed Schedule of Maintenance: Annual

SITE #4
Location: 926 W. Taylor St.
GPS coordinates: 2028160.76 N, 6262335.17 E
Site Description: Unnamed tributary to Guajome Wetlands. The proposed maintenance site is composed entirely of exotic riparian woodland vegetation. Dominant species within the exotic riparian woodland on-site include eucalyptus trees, California fan palm, castor-bean, and iceplant (<i>Mesembryanthemum</i> sp.). An ephemeral, east to west flowing stream runs under the road and eventually flows through to Guajome County Park.
Description of Proposed Maintenance Action: Proposed maintenance work at this location involves the removal of vegetative debris, some grass, and accreted sediment by "dipping-out" around the inlet with a backhoe. Approximately 9 CY of sediment are proposed for removal from within the drainage. The proposed impacts would be approximately 40' from the inlet. Access would be from the road (Taylor St.), and no live vegetation would be completely removed with the exception of castor-bean (<i>Ricinus communis</i>). Trimming would occur to eucalyptus trees and California fan palm. No vegetated wetlands would be removed. Total jurisdictional impact within the maintenance site: 120 ft ² .
Proposed Schedule of Maintenance: Annual

SITE #5
Location: 1411 Foothill Dr.
GPS coordinates: 2023548.33 N, 6265330.43 E
Site Description: Unnamed tributary to Brengle Terrace Park Detention Basin. The proposed maintenance site is composed of disturbed wetland and disturbed habitat vegetation. The area mapped as disturbed wetland is located on the north side of Foothill Dr., and is dominated by broad-leaved cattail, castor-bean, shamel ash, and Russian thistle. Disturbed habitat is located adjacent to the road on the south side, and is composed of species such as imbricate sword-fern (<i>Polystichum imbricans</i>), toyon (<i>Heteromeles arbutifolia</i>), <i>Ficus</i> sp., castor-bean, and non-native grasses. An ephemeral drainage runs northeast-southwest through this area. The drainage historically fed Buena Vista Creek; however, it now flows through to Brengle Terrace Park, into a retention basin. The northern bank of the drainage within the on-site disturbed habitat is composed of asphalt. Exotic riparian woodland is located south of the proposed maintenance area. The site is entirely surrounded by residential development. No datapoints were taken due to access issues in the area called disturbed wetland.
Description of Proposed Maintenance Action: Proposed maintenance actions include the hand-removal of accreted sediment from in front of the pipe on the north side of the road (approximately 9CY), adjacent to the cement wall, and possible removal of broad-leaved cattail directly in front of inlet. Work on the south side of Foothill Dr. would include the hand-removal of vegetative and urban debris. Additional work would be the placement of riprap or asphalt for the purpose of erosion control, on both sides of the road. Total jurisdictional impact within the maintenance site: 90 ft ² .

Proposed Schedule of Maintenance: Annual

SITE #6
Location: 1757 Warmlands Ave.
GPS coordinates: 2027092.74 N, 6266475.68 E
Site Description: Unnamed tributary to Buena Vista Creek. The proposed maintenance area is comprised of disturbed habitat. Eucalyptus woodland exists on the west side of Warmlands, south of the fence and the proposed maintenance area. Species such as <i>Erodium</i> spp., Russian thistle, cheeseweed/little mallow (<i>Malva parviflora</i>), <i>Avocado</i> sp., pine trees, arroyo willow, and greater periwinkle (<i>Vinca major</i>) dominate the on-site vegetation. An ephemeral drainage runs northeast-southwest under the road. The site proposed for impacts is entirely surrounded by residential development.
Description of Proposed Maintenance Action: Proposed maintenance for the west side of Warmlands Ave. involves digging out accreted sediment that is partially filling the pipe (approximately 18 CY). This would involve work with a backhoe and would be to the fence (~40' in length). The width of impacts would not exceed 6'. There is a potential to add more riprap to the bank in the future, for increased erosion control due to the adjacent road. Maintenance work for the east side of the road includes adding riprap to the bank where the asphalt from the road is eroding into the drainage. In addition, cleaning out vegetative and urban debris and accreted sediment (26 CY) would occur on the east side of the road, approximately 30' in length from the culvert. No vegetated wetlands would be removed. Total jurisdictional impact within the maintenance site: 320 ft ² .
Proposed Schedule of Maintenance: Annual (riprap placement one time only)

SITE #7
Location: 1240 to 1165 Oak Dr.
GPS coordinates: 2022952.98 N, 6264478.61 E
Site Description: Unnamed tributary to Brengle Terrace Detention Basin. The proposed impact area is comprised of exotic riparian woodland, which is dominated by Canary Island date palm, California fan palm, coast live oak, and eucalyptus trees. An ephemeral drainage runs northeast-southwest through the site, and is re-enforced with brick at the south end of the site. The drainage historically fed Buena Vista Creek; however, it now flows through to Brengle Terrace Park, into a retention basin. The entire site proposed for maintenance is surrounded by urban development.
Description of Proposed Maintenance Action: Proposed maintenance work consists of the hand-removal of vegetative and urban debris within the drainage, along with trimming/removal of non-native, invasive species such as California fan palm and Canary Island date palm (<i>Phoenix canariensis</i>). In addition, areas of dense vegetation would be removed in order to create a permanent recreational footpath adjacent to the drainage. Access to the drainage would be via the foot trail near 1240 (north end of maintenance site, east side of Oak Dr.). The total length of maintenance activity within the drainage would be approximately 750 linear feet. Total jurisdictional impacts within the maintenance site: 0 ft.
Proposed Schedule of Maintenance: Annual

Site #8
Location: 1045 Warmlands Ave.
GPS coordinates: 2022711.71006 N, 6268199.02659 E

<p>Site Description: Unnamed tributary to Brengle Terrace Park Detention Basin. The proposed impact area is comprised of non-native vegetation on the east side of the road, and southern willow scrub vegetation on the west side of the road. The area mapped as Non-native vegetation consists largely of weedy species such as Radish, castor-bean, and crystalline iceplant (<i>Mesembryanthemum crystallinum</i>). The area consisting of southern willow scrub vegetation is dominated by arroyo willow and Himalayan blackberry. An ephemeral drainage runs east to west, under Warmlands Avenue, eventually flowing into a larger ephemeral drainage, which historically fed Buena Vista Creek; however, it now flows through to Brengle Terrace Park, into a retention basin. The entire site proposed for maintenance is surrounded by urban development.</p>
<p>Description of Proposed Maintenance Action: Proposed maintenance work on the inlet side (east side) consists of clearing a path to the pipe with a backhoe, and removing accreted sediment to the bottom of the pipe. The impact distance out from the pipe would total approximately 20 feet in length (approximately 6 CY). On the outlet side of the road (west side), no willows will be removed, but accreted sediment would be cleared, by hand, out to approximately 20 feet in length (6 CY). No vegetated wetlands would be removed. Total jurisdictional impact within the maintenance site: 140 ft².</p>
<p>Proposed Schedule of Maintenance: Annual</p>

<p>SITE #9</p>
<p>Location: 2041 Foothill Dr.</p>
<p>GPS coordinates: 2020756.67932 N, 6268619.49410 E</p>
<p>Site Description: Unnamed tributary to Brengle Terrace Park Detention Basin. The proposed impact area is the east side of Foothill Dr. This area is composed entirely of disturbed habitat, which includes species such as: radish, long-beak filaree (<i>Erodium botrys</i>), baby sun rose (<i>Aptenia cordifolia</i>), and greater periwinkle, and bare ground. One large ngaio (<i>Myoporum laetum</i>) shrub is also present. On the west side of the road, exotic riparian woodland vegetation is present. Vegetation present here includes arroyo willow, California fan palm, ngaio, and other exotic ornamentals. An ephemeral drainage runs east to west, under Warmlands Avenue, eventually flowing into a larger ephemeral drainage, which historically fed Buena Vista Creek; however, it now flows through to Brengle Terrace Park, into a retention basin. The entire site proposed for maintenance is surrounded by urban development</p>
<p>Description of Proposed Maintenance Action: Proposed maintenance work includes the backhoe removal of an approximate 225 ft² patch of disturbed land vegetation and vegetative debris on the east side of Foothill Dr. The purpose of this maintenance action is to uncover a buried pipe located on the corner of Foothill Dr. and Sinaloa. Approximately 5 CY of sediment in NWW would be removed. On the west side of Foothill Dr. there is a concrete inlet structure where the drainage goes under the road. No maintenance action is required at this location (Pers. com. Chris Dzwigalski 12/10/04) No vegetated wetlands would be removed. Total jurisdictional impact within the maintenance site: 45 ft².</p>
<p>Proposed Schedule of Maintenance: Annual</p>

<p>SITE #10</p>
<p>Location: 940-955 Warmlands Ave.</p>
<p>GPS coordinates: 2021701.14 N, 6267869.98 E</p>
<p>Site Description: Unnamed tributary to Brengle Terrace Park Detention Basin. The proposed impact area is comprised of exotic riparian woodland vegetation, dominated by eucalyptus trees, arroyo willow, shamel ash, <i>Schinus</i> spp., and non-native grasses in the understory. An ephemeral drainage runs east to west, under Warmlands Avenue, eventually flowing into a larger ephemeral drainage, which historically fed Buena Vista Creek; however, it now flows through to Brengle Terrace Park, into a retention basin. The entire site proposed for maintenance is surrounded by urban development.</p>

<p>Description of Proposed Maintenance Action: Proposed maintenance work includes hand clearing vegetative and urban debris, approximately 20 feet from the culvert. The impacts would not be more than the width of the drainage channel. Currently, no sediment has accumulated at this site. No live vegetation would be trimmed/removed. Total jurisdictional impact within the maintenance site: 0 ft².</p>
<p>Proposed Schedule of Maintenance: Annual</p>

<p>SITE #11</p>
<p>Location: 939 – 942 Beverly Dr.</p>
<p>GPS coordinates: 2021841.89 N, 6267252.59 E</p>
<p>Site Description: Unnamed tributary to Brengle Terrace Park Detention Basin. The proposed impact area is comprised of exotic riparian woodland vegetation. Dominant species include arroyo willow, giant wild rye (<i>Leymus condensatus</i>), cheeseweed, walnut (<i>Juglans</i> sp.), California fan palm, and non-native grasses. The site is entirely surrounded by residential development. An ephemeral drainage runs east to west, eventually flowing into a larger ephemeral drainage, which historically fed Buena Vista Creek; however, it now flows through to Brengle Terrace Park, into a retention basin. The entire site proposed for maintenance is surrounded by urban development.</p>
<p>Description of Proposed Maintenance Action: Proposed maintenance work includes the hand-removal of vegetative debris on the east side of Beverly Dr. At this time, no sediment removal is required at this location due to accretion (Pers. com. Chris Dzwigalski 12/10/04). On the west side of Beverly Dr., there are no soils. The drainage at the inlet is entirely composed of rip-rap. The only potential maintenance action that may be required here in the future is the hand-removal of California fan palms about 10' in front of the inlet structure. No vegetated wetlands would be removed. Total jurisdictional impact within the maintenance site: 0 ft².</p>
<p>Proposed Schedule of Maintenance: Annual</p>

<p>SITE #12</p>
<p>Location: 1739 and 1765 Foothill Dr.</p>
<p>GPS coordinates: 2022179.73 N, 6266887.51 E</p>
<p>Site Description: Unnamed tributary to Brengle Terrace Park Detention Basin. The area proposed for maintenance is comprised of exotic riparian woodland vegetation. Canary Island date palm is the dominant species found within this area. Other species present are arroyo willow, eucalyptus trees, Bermuda-buttercup (<i>Oxalis pes-caprae</i>), and non-native grasses. The maintenance area is completely filled with palm debris and is located adjacent to road. In addition, local erosion is prevalent. An ephemeral drainage runs east to west, which historically fed Buena Vista Creek; however, it now flows through to Brengle Terrace Park, into a retention basin. The entire site proposed for maintenance is surrounded by urban development.</p>
<p>Description of Proposed Maintenance Action: Proposed maintenance work includes both accreted sediment removal and the removal of palm vegetative debris, which has been trapping the sediment in the drainage. Removal would incorporate the use of a backhoe and be approximately 10' to 20' out (approximately 6 CY). Adjacent homeowners have deposited vegetative debris within this area. This will be removed as well. In addition, the grade will be checked and if needed, re-grading may occur in order to prevent future blockages/flooding. No live trees will be impacted, and no vegetated wetlands would be removed. Total jurisdictional impact within the maintenance site: 80 ft².</p>
<p>Proposed Schedule of Maintenance: Annual</p>

<p>SITE #13</p>
<p>Location: 1619 Foothill Dr.</p>
<p>GPS coordinates: 2022558.13356 N, 6265845.18731 E</p>

<p>Site Description: Unnamed tributary to Brengle Terrace Park Detention Basin. This site is mapped as exotic riparian woodland, and is dominated by California fan palm, hottentot-fig, and eucalyptus trees. Other species present include shamel ash black mustard (<i>Brassica nigra</i>), <i>Erodium</i> spp., and umbrella flatsedge (<i>Cyperus involucratus</i>). An ephemeral drainage runs northeast-southwest under Via Christina. This drainage historically fed Buena Vista Creek; however, it now flows through to Brengle Terrace Park, into a retention basin. The entire site proposed for maintenance is surrounded by urban development.</p>
<p>Description of Proposed Maintenance Action: Maintenance work proposed for the west side of Foothill Dr. (south of Via Christina) involves the removal of accreted sediment from the vicinity of the pipe with a backhoe (proposed access from west of Cerro Lindo), the removal of hottentot-fig (<i>Carpobrotus edulis</i>) and shamel ash. No additional riprap would be placed, but may need to be adjusted for stabilization purposes. However, presently, the pipe does not appear to be in need of immediate repair; therefore, the proposed sediment removal and the removal of shamel ash would not be necessary for some time (C. Dzwigalski pers. comm.). Impacts would occur approximately 20' out from the pipe (approximately 9 CY). Access to the north side of Via Christina would occur from Foothill Dr., and maintenance actions would include the upkeep of the already existing riprap, about 20' out. In addition, accreted sediment removal would occur from the pipe (approximately 9 CY). The width of the impacts would encompass approximately 6 feet. No vegetated wetlands would be removed. Total jurisdictional impact within the maintenance site: 60 ft².</p>
<p>Proposed Schedule of Maintenance: Annual</p>

<p>SITE #14</p>
<p>Location: 1455 – 1532 Foothill Dr.</p>
<p>GPS coordinates: 2023358.80 N, 6265755.72 E</p>
<p>Site Description: Unnamed tributary to Brengle Terrace Park Detention Basin. The proposed maintenance area is located within exotic riparian woodland vegetation. The west side of the road is dominated by ornamentals such as <i>Myoporum</i> sp. and fig trees (<i>Ficus</i> sp.) Also present in sparse amounts are upland species such as toyon and coast live oak. California fan palm and non-native grasses such as Bermuda grass and bromes (<i>Bromus</i> spp.) dominate vegetation on the east side of the road. Other species present include arroyo willow, bougainvillea (<i>Bougainvillea brasiliensis</i>), greater periwinkle, and crystalline iceplant. An ephemeral, northeast to southwest flowing drainage exists, which historically fed Buena Vista Creek; however, it now flows through to Brengle Terrace Park, into a retention basin. This site is highly disturbed and completely surrounded by urban development.</p>
<p>Description of Proposed Maintenance Action: Proposed maintenance work on the west side of the road includes the hand-removal of vegetative and urban debris as well as accreted sediment, approximately 10' out in front of the pipe. On the east side of the road, maintenance would again include the removal of accreted sediment from in front of the pipe, removal of debris, and possibly the removal of non-native grasses if they grow high enough to develop the threat of blockage. The total amount of accreted sediment within the drainage that is proposed for removal is approximately 12 CY. No vegetated wetlands would be removed. Total jurisdictional impact within the maintenance site: 20 ft².</p>
<p>Proposed Schedule of Maintenance: Annual</p>

<p>SITE #15</p>
<p>Location: 1540 to 1585 Elm Dr.</p>
<p>GPS coordinates: 2023546.01 N, 6266533.74 E</p>

<p>Site Description: Unnamed tributary to Brengle Terrace Park Detention Basin. This site is composed of exotic riparian woodland vegetation dominated by coast live oak, shamel ash, and Brazilian pepper tree. Examples of understory species include Bermuda-buttercup, radish, cheeseweed, and annual hairgrass (<i>Deschampsia danthonioides</i>). A small, ephemeral drainage exists on-site, eventually flowing into a larger ephemeral drainage, which historically fed Buena Vista Creek; however, it now flows through to Brengle Terrace Park, into a retention basin. The entire site proposed for maintenance is surrounded by urban development.</p>
<p>Description of Proposed Maintenance Action: The pipe at this site is approximately half full of accreted sediment. Proposed maintenance work involves both the hand-removal and mechanical removal of sediment using a backhoe. Impacts would occur 20' out from the culvert. The south side of the road is proposed for similar maintenance. No impacts would occur to oaks or willows here, and the same amount of impacts, approximately 20 linear feet in front of the culvert, are proposed. The total amount of accreted sediment proposed for removal from within the drainage would be approximately 20 CY. No vegetated wetlands would be removed. Total jurisdictional impact within the maintenance site: 160 ft².</p>
<p>Proposed Schedule of Maintenance: Annual</p>

<p>SITE #16</p>
<p>Location: 1520 Elm Drive</p>
<p>GPS coordinates: 1909905.14 N, 616731.91 E</p>
<p>Site Description: Unnamed tributary to Brengle Terrace Park Detention Basin. This site is composed of disturbed Land habitat. Much of the impact area is unvegetated. That which is vegetated is dominated by non-native, broad-leaf annuals such as cheeseweed, <i>Chenopodium</i> sp., common sow thistle (<i>Sonchus oleraceus</i>), Bermuda-buttercup, and garland (<i>Chrysanthemum coronarium</i>). An ephemeral drainage exists, which eventually flows into a larger ephemeral drainage, which historically fed Buena Vista Creek; however, it now flows through to Brengle Terrace Park, into a retention basin. The entire site proposed for maintenance is surrounded by urban development.</p>
<p>Description of Proposed Maintenance Action: Maintenance work includes the mechanical removal of accreted sediment approximately 20' out from the culvert, and approximately 4' in width (approximately 4 CY of material from the streambed). Removal would be accomplished using a backhoe. The pipe is almost completely full of sediment. No vegetated wetlands would be removed. Total jurisdictional impact within the maintenance site: Non-wetland WOUS/ Streambed 2' (40 ft²).</p>
<p>Proposed Schedule of Maintenance: Annual</p>

<p>SITE #17</p>
<p>Location: 1308 to 1319 Independence Way</p>
<p>GPS coordinates: 1910035.85 N, 616932.59 E</p>
<p>Site Description: Unnamed tributary to Brengle Terrace Park Detention Basin. The site consists of non-native vegetation dominated by garden nasturtium (<i>Tropaeolum majus</i>), non-native grasses, cheeseweed and shamel ash. Other species present are ornamentals such as ngaio and English ivy. The drainage historically flowed to Buena Vista Creek. However, this drainage now flows through to Brengle Terrace Park, into a retention basin. The entire site proposed for maintenance is surrounded by urban development.</p>

<p>Description of Proposed Maintenance Action: Maintenance work to be completed on the inlet side (east side) includes the removal of the current barricade, the hand trimming of one ornamental fig tree, and the mechanical removal of accreted sediment, approximately 20' out from the pipe. Impact widths would approximate 4'. Approximately 6 CY of material would be removed from the drainage. Removal would be accomplished using a backhoe. Maintenance work on the outlet side (west side) includes the hand trimming of one <i>Myoporum</i> sp. and English ivy as well as the maintenance of riprap, approximately 15' out from the pipe. No vegetated wetlands would be removed. Total jurisdictional impact within the maintenance site: 40 ft².</p>
<p>Proposed Schedule of Maintenance: Annual</p>

<p>SITE #18</p>
<p>Location: 1957 to 1970 E. Vista Way</p>
<p>GPS coordinates: 1909025.30 N, 618354.55 E</p>
<p>Site Description: Unnamed tributary to Brengle Terrace Park Detention Basin. The site is composed of urban/developed land and exotic riparian woodland vegetation, dominated by castor-bean, non-native grasses, and eucalyptus trees. An east to west flowing, ephemeral drainage exists on-site, which flows into Guajome County Park wetlands. The proposed maintenance site is completely surrounded by urban development.</p>
<p>Description of Proposed Maintenance Action: Maintenance work will consist of repairs/upkeep of the inlet (east side) only. Work to be completed consists of locating the pipe, which is currently buried by accreted sediment, maintenance of existing rip-rap, and the removal of both living and dead exotic vegetation and urban debris. Work would be completed both by hand and mechanically, using a backhoe. The limits of impacts would be approximately 20' long and 10' wide. Approximately 6 CY of sediment would be removed from the drainage. No vegetated wetlands would be removed. Total jurisdictional impact within the maintenance site: 80 ft².</p>
<p>Proposed Schedule of Maintenance: Annual</p>

<p>SITE #19</p>
<p>Location: 2211 E. Vista Way</p>
<p>GPS coordinates: 2030375.00333 N, 6263137.37799 E</p>
<p>Site Description: Unnamed tributary to Guajome Wetlands. The entire area proposed for maintenance is composed of disturbed southern willow scrub vegetation. Dominant species include willow, castor-bean, and laurel sumac (<i>Malosma laurina</i>). This site is down the hill from an agricultural site, and otherwise completely surrounded by urban development. An ephemeral drainage exists on-site that runs southeast to northwest under Osborne St. and eventually flows to the Guajome wetlands.</p>
<p>Description of Proposed Maintenance Action: Proposed maintenance work on the outlet side of E. Vista Way includes the hand-removal of vegetative and urban debris, approximately 10 feet from the pipe. Proposed maintenance work on the inlet side of E. Vista Way includes the hand-removal of vegetative debris as well as one living willow that is currently blocking the drainage. Work here will also occur within approximately 10 feet of the pipe, but the pipe is currently not visible from the road, so additional work may be required to locate it. Total jurisdictional impact within the maintenance site: 0 ft².</p>
<p>Proposed Schedule of Maintenance: Annual</p>

<p>SITE #20</p>
<p>Location: 1854 Vale Terrace Drive</p>
<p>GPS coordinates: 1910573.32 N, 615797.59 E</p>
<p>Site Description: Unnamed tributary to Buena Vista Creek. The site is composed of disturbed southern coast live oak riparian forest vegetation. Dominant species include blue elderberry, non-native grasses, coast live oak, western poison oak (<i>Toxicodendron diversilobum</i>), common sow thistle (<i>Sonchus oleraceus</i>),</p>

and greater periwinkle. Other species present include <i>Geranium</i> sp. and short-pod mustard (<i>Hirschfeldia incana</i>). The east to west flowing ephemeral drainage on-site is a tributary to Buena Vista Creek. The site is entirely surrounded by residential/urban development.
Description of Proposed Maintenance Action: Maintenance work is proposed for the south side of the road only and would consist of trimming one blue elderberry (<i>Sambucus mexicana</i>), and the mechanical removal of accreted sediment approximately 20' out from the pipe. The removal of sediment will be accomplished using a backhoe, and will be approximately 4' in width. Approximately 6 CY of streambed materials would be removed, 3 CY of which are within the OHWM. No vegetated wetlands would be removed. Total jurisdictional impact within the maintenance site: 40 ft ² .
Proposed Schedule of Maintenance: Annual

SITE #21
Location: 103 Alta Mesa Drive (actual location is Vale Terrace & Alta Mesa)
GPS coordinates: 2020237.88159 N, 6266761.50776 E
Description of Proposed Maintenance Action: Unnamed tributary to Buena Creek. Proposed maintenance work includes the outlet side only, and would involve the mechanical removal of giant reed (<i>Arundo donax</i>) and Mexican fan palm (<i>Washingtonia robusta</i>) approximately 20' out from the pipe. Removal of vegetation would be accomplished using a backhoe. The pipe and the drainage are completely covered by a thick cover of giant reed. No willows would be removed. Access will be via Alta Mesa Dr.
Proposed Schedule of Maintenance: Annual
Site Description: Vegetation is composed of a thick, monotypic stand of giant reed. Exotic riparian woodland species, including Mexican fan palm and pine trees (<i>Pinus</i> sp.) border this stand. The east to west flowing ephemeral drainage on-site is a tributary to Buena Vista Creek, but is not visible. The site is entirely surrounded by residential/urban development. Total jurisdictional impact within the maintenance site: 80 ft ² .

SITE #22
Location: 1070 Vale Terrace Drive
GPS coordinates: 1908955.04 N, 616004.36 E
Site Description: Unnamed tributary to Buena Vista Creek. The site is composed of exotic riparian woodland vegetation, dominated by Mexican fan palm, coast live oak, and Shamel ash. The east to west flowing ephemeral drainage on-site is a tributary to Buena Vista Creek. The site is entirely surrounded by residential/urban development. Paved urban roads and residential development surround the entire site.
Description of Proposed Maintenance Action: Proposed maintenance work will occur on the south side of Vale Terrace Drive only, and access will be via the road. Work will consist of the hand-trimming of vegetation and the removal of California fan palm as well as vegetative debris blocking the culvert. Additionally, repairs to the existing rip-rap will occur immediately surrounding the culvert. Work would occur approximately 20 feet from the culvert. Total jurisdictional impact within the maintenance site: 0 ft ² .
Proposed Schedule of Maintenance: Annual

SITE #23
Location: 913 to 921 Vale Terrace Drive
GPS coordinates: 2021196.27936 N, 6260830.59868 E

<p>Site Description: Unnamed tributary to Buena Vista Creek. The site is located along Buena Vista Creek, behind the Calvary Christian School, and is completely surrounded by urban/residential development. Vegetation present is exotic riparian woodland, dominated by such species as castor-bean, Canary Island date palm, wild-cucumber (<i>Marah macrocarpus</i> var. <i>macrocarpus</i>), eucalyptus trees, blue elderberry, and tree tobacco (<i>Nicotiana glauca</i>). The east to west flowing ephemeral drainage on-site is a tributary to Buena Vista Creek. The site is entirely surrounded by residential/urban development. Paved urban roads and residential development surround the entire site.</p>
<p>Description of Proposed Maintenance Action: Proposed maintenance work would include the outlet only, and would consist of vegetation removal and rip-rap maintenance. Vegetative debris from Canary Island date palm would be removed by hand. Vegetative debris removal and rip-rap maintenance would occur approximately 20' out from the pipe. Access will be via the Vista Conservancy Road. Total jurisdictional impact within the maintenance site: 0 ft².</p>
<p>Proposed Schedule of Maintenance: Annual</p>

NO MAINTENANCE AT SITE 24

<p>SITE #25</p>
<p>Location: Valley and Fireside Lane</p>
<p>GPS coordinates: 2014816.86151 N, 6266916.22880 E</p>
<p>Site Description: Unnamed tributary to Buena Vista Creek. The maintenance site is composed of southern willow scrub vegetation, and is immediately surrounded by coastal sage scrub on the adjacent slope. This area is possibly a mitigation site, and is completely surrounded by urban development. The ephemeral drainage on-site begins approximately 1.5 miles north of the site, just west of Foothill Drive. It then runs northwest along South Sante Fe Avenue, where it eventually drains to Buena Vista Creek. Paved urban roads and residential development surround the entire site.</p>
<p>Description of Proposed Maintenance Action: Maintenance would include the hand-removal of blockage caused by vegetative debris as well as trimming willows to prevent potential blockage materials, approximately 20 feet in front of pipe. Access to the maintenance area would be by foot, from Valley Drive, down the adjacent slope. Total jurisdictional impact within the maintenance site: 0 ft².</p>
<p>Proposed Schedule of Maintenance: Annual</p>

<p>SITE #26</p>
<p>Location: Cypress & Monte Vista Drive</p>
<p>GPS coordinates: 1909402.00 N, 613952.74 E</p>
<p>Site Description: Unnamed tributary to Buena Vista Creek. The work site consists entirely of disturbed habitat. Approximately half of this site is not vegetated. Dominant plants consist of mowed non-native grasses and forbs. The ephemeral drainage on-site begins approximately 1.5 miles north of the site, just west of Foothill Drive. It then runs northwest along South Sante Fe Avenue, where it eventually drains to Buena Vista Creek. The site is along the side of the road, completely surrounded by urban/residential development.</p>
<p>Description of Proposed Maintenance Action: Maintenance work proposed at this site, off of the north side of Monte Vista Drive, consists entirely of rip-rap maintenance and stabilization. Rip-rap that has fallen into the channel will be removed, and the existing rip-rap on the banks will be stabilized to avoid future erosion. There is a possibility that the non-native grasses along the road may need to be cut at a future date if they become invasive enough to block the culvert. Proposed maintenance will occur along approximately 100' of the channel. No vegetated wetlands would be removed. Total jurisdictional impact within the maintenance site: 0 ft².</p>
<p>Proposed Schedule of Maintenance: Annual</p>

SITE #27
Location: 1125 Monte Vista Drive (Actual location closer to Chelsea Ct and Monte Vista Drive)
GPS coordinates: 2014284.27724 N, 6264127.90613 E
Site Description: Unnamed tributary to Buena Vista Creek. The maintenance site is disturbed habitat. Much of the channel and the streambank are unvegetated. Dominant species include non-native grasses such as slender wild oat (<i>Avena barbata</i>) and weedy forbs such as short-pod mustard. In addition, exotic riparian species such as giant reed and castor-bean are present in the area. Just west of the maintenance area, the drainage flows into exotic riparian woodland vegetation. The ephemeral drainage on-site begins approximately 1.5 miles north of the site, just west of Foothill Drive. It then runs northwest along South Sante Fe Avenue, where it eventually drains to Buena Vista Creek. Paved urban roads and residential development surround the entire site.
Description of Proposed Maintenance Action: Maintenance would occur on the outlet side only, which is located on the south side of Monte Vista Dr. and just west of Chelsea Ct. Improvements would include the hand-removal of non-native vegetation and possibly the addition/placement of riprap up to 3' high. The extent of the maintenance area would encompass approximately 10 linear feet out from the pipe, and would not exceed the width of the bank. No vegetated wetlands would be removed. Total jurisdictional impact within the maintenance site: 0 ft ² .
Proposed Schedule of Maintenance: Annual

SITE #28
Location: 1055 Monte Vista Drive
GPS coordinates: 1908927.43 N, 613928.70 E
Site Description: Unnamed tributary to Buena Vista Creek. The site is composed of non-native vegetation and disturbed habitat. One of the main areas in need of erosion maintenance is situated behind 2 mule fat (<i>Baccharis salicifolia</i>) shrubs. Dominant overstory vegetation includes castor-bean and Shamel ash. The ephemeral drainage on-site begins approximately 1.5 miles north of the site, just west of Foothill Drive. It then runs northwest along South Sante Fe Avenue, where it eventually drains to Buena Vista Creek. Paved urban roads and residential development surround the entire site.
Description of Proposed Maintenance Action: Proposed maintenance work will occur approximately 60' up from the culvert and include the placement of riprap for erosion control on the bank of the channel, as well as the hand-removal of 2 castor-bean plants. Access will be via the south side of Monte Vista Drive. No vegetated wetlands would be removed. Total jurisdictional impact within the maintenance site: 0 ft ² .
Proposed Schedule of Maintenance: Annual

SITE #29
Location: 1210 Calle Jules south to E. Vista Way
GPS coordinates: 1908636.48 N, 616381.51 E
Site Description: Buena Vista Creek. This site is composed of exotic riparian woodland vegetation. The banks are dominated by California fan palm, castor-bean, and pampas grass (<i>Cortaderia jubata</i>). Parts of the drainage are composed of broad-leaved cattail. Due to the surrounding exclusion fencing, access was not possible to take a datapoint. However, the waters on-site are that of Buena Vista Creek. The site is surrounded by urban/residential development.
Description of Proposed Maintenance Action: Proposed maintenance work would include the mechanical removal of accreted sediment in the culvert/channel. Work would be completed with the use of a backhoe. Additional maintenance work would include the hand-clearing of vegetative debris. Maintenance at this site would include approximately 250-300 feet of channel. Approximately 530 CY of sediment would be removed from within jurisdictional waters. Total jurisdictional impact within the maintenance site: 3600 ft ² .

Proposed Schedule of Maintenance: Annual

SITE #30
Location: Buena Vista Channel at North County Ford
GPS coordinates: 2016352.40837 N, 6255796.85299 E
Site Description: Buena Vista Creek. This site is composed of mostly unvegetated channel, with freshwater marsh vegetation occurring on each side of the channel adjacent to the bank. In the proposed area of work, the channel diversion structure is comprised of cement and gabion-encased walls on each side. The site is located along Buena Vista Creek and is completely surrounded by urban development. The portion of the creek on-site drains into a small patch of southern willow scrub and exotic riparian woodland before it goes under HWY 78.
Description of Proposed Maintenance Action: Proposed maintenance work includes the mechanical removal of accreted sediment and broad-leaved cattail from channel, approximately 150 linear feet by 50 feet wide (approximately 1,000 CY). During vegetation thinning/removal, no willows would be impacted. In addition, urban debris would be removed from the channel as part of this maintenance effort. Access to the proposed maintenance area would be via an existing concrete ramp. Total jurisdictional impact within the maintenance site: 1700 ft ² .
Proposed Schedule of Maintenance: Biannual

SITE #31
Location: Buena Vista Channel at Melrose Drive
GPS coordinates: 2015665.52680 N, 6254536.71798 E
Site Description: Buena Vista Creek. The site is located in exotic riparian woodland vegetation and completely surrounded by urban development. Dominant species include broad-leaved cattail, castor-bean, California fan palm, and willows. The site is located along Buena Vista Creek and is completely surrounded by urban development.
Description of Proposed Maintenance Action: Proposed maintenance work will occur at the outlet side only (the inlet side is a Caltrans mitigation site). Work will include the hand-removal of vegetative debris from broad-leaved cattail, eucalyptus trees, and California fan palm, in an approximate 2,500 square foot (50 linear feet from road) area adjacent to the pipe. In addition, accreted sediment will be hand-removed. Total jurisdictional impact within the maintenance site: Non-wetland WOUS/ Streambed 4' (200 ft ²).
Proposed Schedule of Maintenance: Biannual

SITE #32A
Location: Buena Vista Channel at La Tortuga Drive
GPS coordinates: 2015514.89856 N, 6250617.23124 E
Site Description: Buena Vista Creek. The site is mapped as southern willow scrub. This vegetation community is dominated by California fan palm, willows, and castor-bean. The site is located along Buena Vista Creek and is completely surrounded by urban development.
Description of Proposed Maintenance Action: Proposed maintenance work on the south side of Hacienda Dr. (inlet side) includes the hand-removal of vegetative debris and the complete removal of one laurel sumac that is blocking the channel, for a total of 50 linear feet of work. No live willows are proposed for removal. The only maintenance action proposed for the north side of Hacienda Dr. is the removal of one small California fan palm that may become blockage in the future. No vegetated wetlands would be removed. Total jurisdictional impact within the maintenance site: 0 ft ² .
Proposed Schedule of Maintenance: Biannual

SITE #32B
Location: Buena Vista Channel north of Hacienda Drive

GPS coordinates: 2015573.39852 N, 6253067.07272 E
Site Description: Buena Vista Creek. This site is composed of southern willow scrub vegetation, dominated by willows. Other species present within the proposed maintenance area include Mexican fan palm and castor-bean. The site is located along Buena Vista Creek and is completely surrounded by urban development.
Description of Proposed Maintenance Action: Proposed maintenance work includes the hand-removal of vegetative debris from within the channel and the hand-trimming of willows and California fan palm, approximately 20 feet from fenceline. Work would not exceed the channel width (8'). Total jurisdictional impact within the maintenance site: 0 ft ² .
Proposed Schedule of Maintenance: Biannual