



THE CITY OF SAN DIEGO

MEMORANDUM

DATE: September 26, 2014

TO: Distribution

FROM: Christine Rothman, AICP, Development Project Manager III, Transportation & Storm Water Department

SUBJECT: City of San Diego Master Storm Water System Maintenance Program (MMP) Substantial Conformance Review for Mission Bay High School (MBHS) & Pacific Beach Drive/Olney Street (PBO) Channel Maintenance Project; MMP Maps 36 & 37

The Transportation & Storm Water Department (T&SWD) formally requests your Department's expedited review and written approval to conduct maintenance and mitigation activities associated with one concrete-lined drainage channel (MBHS) and one earthen-bottom drainage channel (PBO) in the Pacific Beach area. In conformance with the City's modified Master Storm Water System Maintenance Program's (Master Maintenance Program or MMP), amended Site Development Permit (SDP) No. 1134892 and Program Environmental Impact Report (PEIR) Project No. 42891/SCH No. 2004101032, the following documents have been included for your review:

- Application (Form DS-3032) (**Attachment 1**)
- Substantial Conformance Review (SCR) checklist with the following appendices (**Attachment 2**)
 - Individual Maintenance Plan (IMP) (**Appendix A**)
 - Individual Biology Assessment (IBA) (**Appendix B**)
 - Individual Historical Assessment (IHA) (**Appendix C**)
 - Individual Hydraulic and Hydrology Assessment (IHHA) (**Appendix D**)
 - Individual Water Quality Assessment (IWQA) (**Appendix E**)
 - Individual Noise Assessment (INA) (**Appendix F**)
 - Water Pollution Control Plan (WPCP) (**Appendix G**)
 - El Cuervo del Sur Mitigation Plan (**Appendix H**)
 - Los Peñasquitos Canyon Preserve Conceptual Wetland Enhancement Plan (**Appendix I**)
- Storm Water Checklist (Form DS-560) (**Attachment 3**)
- Public Notice Package (**Attachment 4**)

In addition, a CD containing the following documents are attached for your reference:

- El Cuervo del Sur Mitigation Plan (**Appendix H of Attachment 2**)
- Los Peñasquitos Canyon Preserve Conceptual Wetland Enhancement Plan (**Appendix I of Attachment 2**)
- MMP (**Attachment 5**)
- Final PEIR for the MMP (**Attachment 6**)
- Master SDP (**Attachment 7**)

The site-specific individual assessments have been prepared in conformance with the Master Maintenance Program and associated PEIR, as verified in the SCR Checklist. The supporting documents do not identify new potentially significant environmental impacts that have not already been identified, addressed and/or mitigated by the required conditions set forth in the associated Master SDP and PEIR. Therefore, the proposed maintenance would substantially conform to the existing permit and environmental document.

Scope of Work

Consistent with the MMP, the MBHS/PBO Maintenance Project (Project) includes the mechanized removal of sediment, vegetation and trash and debris from one concrete-lined drainage channel (MBHS) and one earthen-bottom drainage channel (PBO) using heavy equipment. The maintenance is intended to restore the original conveyance capacity of these channels to provide flood control for the protection of life and property. The maintenance would not include any modification that would change the character, scope, or size of the original fill design, and would not increase the conveyance capacity of the channels beyond their as-built condition. The periodic maintenance of these priority channels is necessary to provide flood protection to surrounding properties, and to protect Mission Bay from impacts due to downstream transport of accumulated sediment, trash and debris from the project area.

Project Location and Regional Setting

The project area is generally located in the western region of the City of San Diego within the community of Pacific Beach, located west of Interstate 5 (Figures 1 and 2). These drainage facilities are within the City's Coastal Overlay Zone and Pacific Beach Community Plan. The project area is zoned RS-1-7 (Residential-Single Unit), and designated for School (Senior High) and Single-Family (Residential) land uses in the Pacific Beach Community Plan. Surrounding uses include residential areas and a campground. The site is not located within the City's Multiple Species Conservation Program's (MSCP) Multi-Habitat Planning Area (MHPA), but the MHPA is mapped within the Kendall-Frost Mission Bay Marsh Reserve that is directly downstream and southwest of the project site. The project area is located outside of the Federal Emergency Management Agency's (FEMA) Special Flood Hazard Areas subject to inundation by the 1-percent Annual Chance Flood as well as the

0.2% Annual Chance Flood. These facilities are located within the Penasquitos Hydrologic Unit. This unit drains to Mission Bay, and eventually to the Pacific Ocean. These two drainage facilities are further described below.

Mission Bay High School Channel (MMP Map 36)

The MBHS Channel runs in a north-south direction for approximately 1,075 feet from the southwesterly corner of the Mission Bay High School bus loading/unloading zone to Pacific Beach Drive, and discharges into the PBO channel. It is bordered by Mission Bay High School to the east, and single-family residential housing development and Quincy Street to the west. The MBHS channel is a concrete, trapezoidal channel with a 4-foot (ft) bottom width, 10-ft top width, and 2-ft channel depth, with a nearly flat, longitudinal slope (0.25 percent). The channel receives storm flows from:

- a 27-inch reinforced concrete pipe (RCP) at its upstream end;
- a 36-inch RCP located 250 ft south of its upstream end;
- the adjacent Mission Bay High School baseball field and northerly parking lot areas; and
- the adjacent Mission Bay High School tennis court.

Pacific Beach Drive/Olney Street (MMP Map 37)

The PBO channel runs in an east-west direction for approximately 897 ft from the southwesterly corner of Mission Bay High School to Olney Street. The channel is bordered by Pacific Beach Drive and Campland on the Bay to the south, and single-family residential housing development to the north. The PBO channel is a trapezoidal, earthen channel with a bottom width that varies from 3 to 5 ft, a top width that varies from 20 ft to 26 ft, an average channel depth of 5 to 6 ft, and a nearly flat, longitudinal slope (0.25 percent). The channel receives storm flows from:

- the MBHS channel;
- an 18-inch RCP, located 245 ft west of its upstream end;
- Mission Bay High School football/baseball fields, and Lee Street; and
- a portion of the Campland at the Bay parking lot.

The PBO channel discharges into a 42-inch RCP projecting barrel culvert that is located at the intersection of Pacific Beach Drive and Olney Street. The culvert conveys storm flows to the south side of Pacific Beach Drive and discharges into a concrete vault known as the Mission Bay Sewage Interceptor System (MBSIS) box. This box was installed as part of the City's efforts to divert dry weather flows into the sewer system. The MBSIS box discharges into a concrete basin where water then flows out of the basin to a natural channel that conveys storm water to Mission Bay.

Maintenance Methodology

An IMP identifies the scope of work, maintenance methodology and procedures, equipment, and duration for maintenance activities planned in these two channels. The IMP also includes a list of Best Management Practices (BMPs), maintenance protocols and mitigation measures derived from applicable permits and regulations that will be implemented with the intent to avoid, minimize, and/or mitigate potential environmental effects to sensitive resources, such as water quality and biological resources.

The following summary highlights key components of the IMP.

Maintenance will involve removal of sediment and vegetation to restore the original capacity of the two channels to convey storm water. Maintenance will begin by removing standing water in the channel with a vacator at the upstream and downstream ends of the MBHS Channel as well as the upstream end of the PBO Channel. Once the standing water has been removed, the RCP channel discharge locations will be blocked with sandbags to prevent additional channel in-flow. The vacators will continue to capture surface in-flow behind the sandbags during maintenance. In addition, sandbags will be placed across the downstream end of the PBO Channel.

A skid steer or excavator will be used in the channel to remove sediment and vegetation, dependent on conditions. This equipment will enter the channel from access points indicated on the IMP. The skid steer/excavator will push sediment and vegetation to central locations where the material will be removed by a gradall stationed outside the channel at areas identified on the IMP. A gradall will scoop up the material and transfer it directly into a dump truck for disposal at an approved landfill.

Upon completion of the maintenance, the sandbags will be removed. The equipment will be transported back to the City yard.

Consistent with the MMP and PEIR, the IMP and individual assessments have been reviewed internally and evaluated against the SCR checklist. The SCR documents meet the requirements for your authorization to conduct the proposed maintenance activities and a determination of substantial conformance.

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Should you have any questions or need additional information, please contact me by e-mail at crothman@sandiego.gov or phone at (619) 527-3470.

Sincerely,

Christine Rothman, AICP
Development Project Manager III, Transportation & Storm Water Department

Attachments:

1. Application (Form DS-3032):
2. Substantial Conformance Review Checklist with Appendices A-I
3. Storm Water Checklist (Form DS-560)
4. Public Notice Package
5. MMP (on CD)
6. Final PEIR (on CD)
7. Master SDP (on CD)

Figure 1: Regional Location Map

Figure 2: Project Vicinity Map

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