COUNCIL REPORT

CITY OF MOUNTAIN VIEW

DATE: June 27, 2017

CATEGORY: Consent

DEPT.: Public Works

TITLE: **Citywide Trash Capture Phase I, Project 16-53—Approve Plans and Specifications/Authorize Bids**

RECOMMENDATION

1. Approve plans and specifications for the Citywide Trash Capture Phase I, Project 16-53, and authorize staff to advertise the project for bids.

2. Authorize the City Manager to award the construction contract to the lowest responsible bidder if the low bid is within the project budget.

3. Authorize the City Manager to amend the professional services agreement with Schaaf & Wheeler in the amount of $28,000, for a total contract not-to-exceed amount of $302,430.

BACKGROUND

The San Francisco Regional Water Quality Control Board (RWQCB) Municipal Regional Stormwater National Pollutant Discharge Elimination System (NPDES) Permit requires the City and other permittees to reduce trash load from stormwater systems by 70 percent by 2017 and 100 percent by 2022.

The City has implemented a number of trash management actions to help achieve required trash load reductions. These actions include:

- Installation of a large trash capture device at Leland Avenue.
- Installation of small inlet-based devices in two downtown parking lots and an inlet downstream of the Recology Recycling Center on Terra Bella and San Leandro Avenues.
- Passing an ordinance banning single-use carryout plastic bags.
- Passing an ordinance banning polystyrene foam food service ware.

- Hosting multiple creek/channel/shoreline cleanups annually.
- Increased inspections of industrial/commercial facilities, and other management actions.

Each of these actions contributes to the City's current total trash reduction of 48.4 percent. Trash loading reductions are also determined and verified by visual observations of the City's medium and high trash-generating areas by staff of the Santa Clara Valley Urban Runoff Pollution Prevention Program. Approximately 300 visual trash assessments are conducted annually to help determine the City's progress toward trash reduction. Based on these assessments and the measures noted above, the City is on track to meet the 70 percent trash load reduction requirement by July 2017. Significant improvements observed during the visual assessments are likely attributable to the large number of redevelopment projects within the City that have reduced the amount of trash observed in our "medium" and "high" trash-generating areas, as well as the on-site stormwater treatment facilities installed with some of these projects.

To meet further reduction requirements, additional trash capture devices are planned. The 2015 "Citywide Trash Capture Feasibility Study" (2015 Study) determined areas where trash capture devices would be most effective.

A large trash capture device currently in construction as part of the McKelvey Park Project will add 2.4 percent reduction to the current total. Other near-term trash reduction opportunities the City will undertake include installing trash booms at Permanente and Stevens Creeks, installation of additional inlet-based devices in high trash-generating areas of the City, and the Clean Sweep program at Latham Street and Crisanto Avenue.

ANALYSIS

The Citywide Trash Capture Phase I, Project 16-53, includes construction of a trash capture device in the office park just west of Shoreline Lake in the northwestern part of the City (see Exhibit 1) and just south of the Coast Casey Forebay (Coast Casey) which is a City-owned stormwater detention basin. The device will be located between 2500 and 2675 Coast Avenue (see Exhibit 2).

Nutrient Separating Baffle Box and Diversion Structures

The planned device proposed is a Nutrient Separating Baffle Box (NSBB). The NSBB is a screening system that consists of three chambers and will be installed underground, parallel to the existing storm drain pipe. Diversion structures will be installed in line

with the existing storm drain system to guide water to flow through the NSBB and then reenter the storm drain. Hatches will be installed on the ground surface for maintenance access. This device will treat the entire Coast Casey drainage area and is projected to result in an approximately 17 percent reduction, the greatest amount of credit based on the 2015 Study.

The device will be located in a City storm drain easement on properties owned by Charleston Properties which is leased to Intuit. Staff has been coordinating closely with both the property owner and Intuit.

Exhibit 1 – Project Location Map

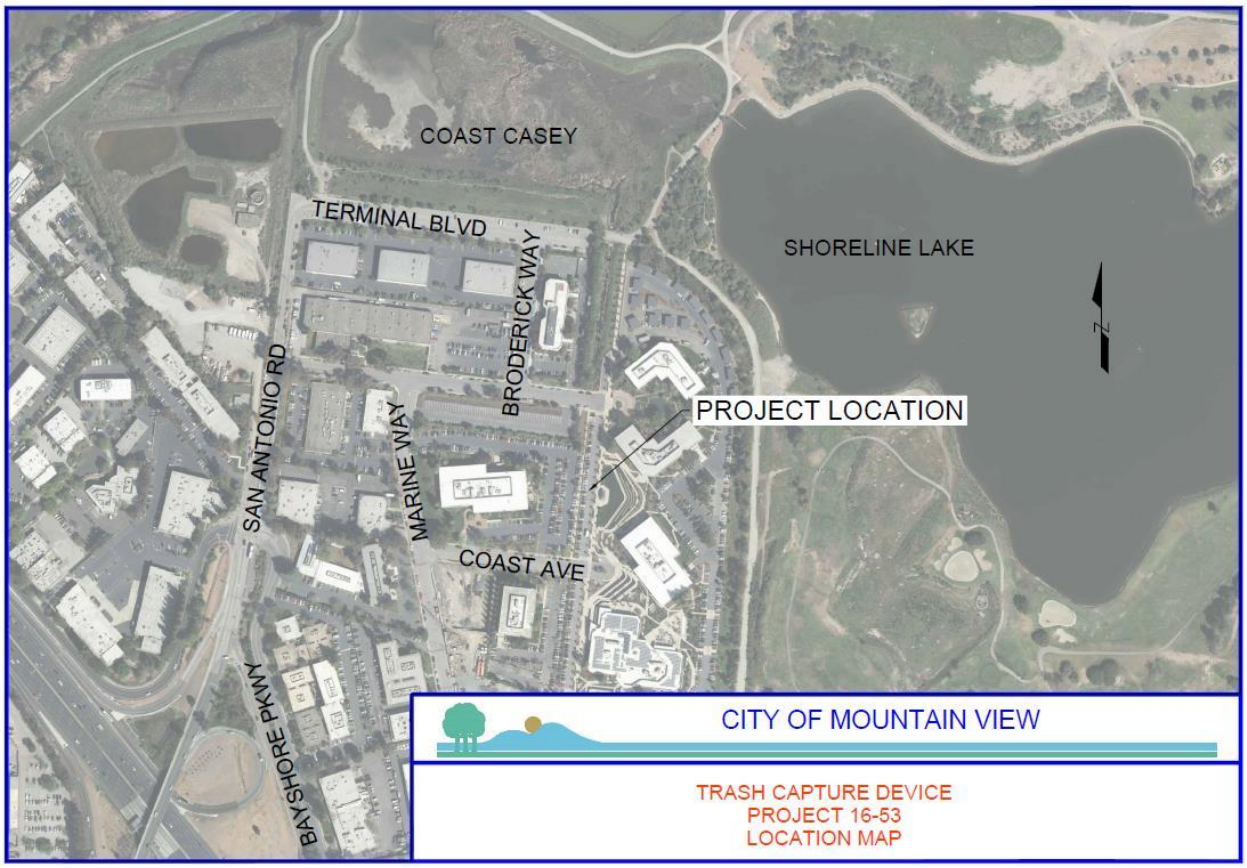

Exhibit 2 – Trash Capture Device to be Located Between 2500 and 2675 Coast Avenue

Amend Professional Services Contract

Staff recommends amending the existing design contract with Schaaf & Wheeler for additional requested services necessary to complete this project. These services include extra coordination with the property owner and Intuit at the Coast Casey site, a condition assessment for the existing storm drain pipe, additional survey work, and environmental permitting for the proposed trash booms. The amendment includes a recommended increase in compensation of $28,000 to the existing $274,430 contract for a total compensation of $302,430.

Schedule

Staff anticipates construction of the NSBB to start in spring 2018. The proposed schedule allows adequate time for the contractor to order materials from the manufacturer to reduce the chance of delay to the construction schedule and to avoid construction during the rainy season.

Plans and specifications for the project are complete and available for viewing in the Public Works Department. If the recommended action is approved, construction is planned for spring 2018 and expected to be completed by summer 2018.

CALIFORNIA ENVIRONMENTAL QUALITY ACT

In accordance with the requirements of the California Environmental Quality Act (CEQA), this project has been determined to be categorically exempt because the project consists of minor alterations to the existing public storm drain system and no expansion of an existing use.

FISCAL IMPACT

The Citywide Trash Capture Phase I, Project 16-53, is funded with $2 million from Wastewater funds. Sufficient funding is available for the recommended amendment and to complete the project based on the current cost estimate.

The estimated total project cost is as follows:

Construction (including contingency)	$1,425,000
Consultant Services	303,000
City Project Management	82,000
Construction Inspection and Testing	60,000
Miscellaneous	5,000
Subtotal	1,875,000
City Administration @ 6.5%	122,000
TOTAL ESTIMATED COST	$1,997,000

ALTERNATIVES

1. Do not approve the plans and specifications for the project or authorize the project for bids.

2. Direct staff to renegotiate the amended scope and fees.

3. Provide other direction.

PUBLIC NOTICING

Agenda posting and noticing for this meeting was sent to occupants within 1,000' of the project site.

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