



City of Culver City

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Staff Report

File #: 16-481, **Version:** 1

Item #: C-10.

CC - (1) Approval of the Final Plans and Specifications and Authorization to Publish a Notice Inviting Bids for the Transfer Station Stormwater Diversion Project, Phase I; and (2) FOUR FIFTHS VOTE REQUIREMENT: Approval of a Budget Amendment to Appropriate Baldwin Hills Conservancy Prop 1 Grant Funding in the Amount of \$606,000 for this Project.

Meeting Date: January 23, 2017

Contact Person/Dept: Lee Torres/PW Dept.
Phone Number: (310)253-6457

Fiscal Impact: Yes ☒ No ☐

General Fund: Yes ☒ No ☐

Public Hearing: ☐ **Action Item:** ☒ **Attachments:** ☐

Commission Action Required: Yes ☐ No ☒ **Date:**

Public Notification: (E-Mail) Meetings and Agendas - City Council (01/18/17);

Department Approval: Charles D. Herbertson, Public Works Director/City Engineer (01/17/17)

RECOMMENDATION

Staff recommends the City Council (1) approve the plans and specifications and authorize publication of a Notice Inviting Bids for the Transfer Station Stormwater Diversion Project, PZ948, Phase I; and (2) approve of a budget amendment in the amount of \$606,000 to appropriate the funding for this project from Baldwin Hill Conservancy Proposition 1 Grant Funding (**4/5th vote is required to approve the budget amendment**).

BACKGROUND

Public Works Environmental Programs & Operations Transfer Station Facility (Facility) functions as a transfer facility for recyclables, municipal solid waste, and organics waste collected locally from residential, commercial, and industrial properties within Culver City and portions of the City of Los Angeles. The refuse and recyclables are transported from the Facility to landfills and recycling facilities and the organic material is sent to a composting facility.

The Facility's site is nearly 100% impervious. Approximately 80% of the site is graded toward two (2)

trench drains with filtration devices that discharge directly into Ballona Creek. The remaining 20% of the site drains towards the front property into previously constructed rain gardens along the parkway on the north side of Jefferson Boulevard.

Due to the Facility's function and daily operations, pollutants such as trash, oil & grease, bacteria, iron, copper, lead, and zinc may be found on site. The existing trench drain filtration devices are high maintenance and are easily saturated, leading to a limited effective life cycle. Furthermore, half of the Facility's roof drainage currently discharges directly towards Jefferson Blvd, un-treated.

Therefore, in order to maintain compliance with the State's Industrial General Permit (IGP) and the City's NPDES MS4 Permit, the City is in need of more viable structural Best Management Practices (BMPs) that can treat/retain the first 1.1-inch rainfall (equivalent to the 85th percentile, 24-hour rain event) of all potential pollutants from the site, and to promote the City's storm water pollution prevention program.

DISCUSSION

Stormwater Diversion Project, Phase I

Staff proposed construction of a first flush storage system consisting of two (2) underground storage tanks that would collect and store the first 1.1 inch of rain fall from 80% of the Transfer Station site. The storm water and urban runoff will be diverted from the existing trench drains into underground storage tanks with a combined storage capacity of 31,000 gallons. After the storm has passed, the tanks will be pumped into the sanitary sewer system for treatment at the Hyperion Treatment Plan.

On December 8, 2014, City Council approved a professional services agreement with PRP Engineering, Inc. to prepare plans and specifications for the Stormwater Diversion Project. The design plans and specifications were completed in January, 2016.

Baldwin Hills Conservancy Proposition 1 Grant

On January 29, 2016, Baldwin Hill Conservancy released Proposition 1 Grant Proposal Solicitation for projects within the Baldwin Hills area that promote Resource Protection, Habitat Restoration, and/or Urban Greening. Staff decided to postpone the construction of the Stormwater Diversion Project for the opportunity to pursue grant funding for the project.

In order to qualify for the grant application requirements, the project scope was expanded to include another rain garden element in front of the Transfer Station Facility. The proposed rain gardens will be constructed immediately adjacent to the Transfer Station Building along Jefferson Boulevard to treat roof run-off.

Rain Garden Project, Phase II

Currently, the southern half of the Facility's roof run-off discharges directly to Jefferson Boulevard untreated. This project includes the construction of rain gardens with above and below ground bio-filtration systems along the property's frontage to divert and capture run-off from approximately 7,000

sq. ft. of roof area. The proposed rain garden will have a design volume to accept, filter and infiltrate approximately 4,800 gallons of runoff. Furthermore, cisterns with a total capacity of approximately 2,000 gallons will be installed for harvesting additional runoff to be used to supply the proposed drip irrigation system.

Proposition 1 Grant Award

City Council authorized the submittal of the grant application to partially fund the construction cost of the Transfer Station Stormwater Diversion Project. On March 31, 2016, staff submitted a grant application in the amount of \$606,000. On June 17, 2016, Baldwin Hills Conservancy recommended authorization to award grant funds in the amount of \$606,000 for Stormwater Diversion Project, Phase I and the Rain Garden Project, Phase II. The grant agreement was executed on December 9, 2016.

The tentative project schedules are as follows;

Stormwater Diversion Project, Phase I:

- Advertise Construction Bid - February, 2017
- Construction Award - March, 2017
- Complete Construction - September, 2017

Rain Garden Project, Phase II

- Complete Design - July, 2017
- Construction Bid - August, 2017
- Construction Award - September, 2017
- Complete Construction - December, 2017

The proposed project is considered categorically exempt under CEQA, Section 15301, Existing Facilities, and Class 1. The proposed improvements do not involve additional expansion of the existing Facility.

FISCAL ANALYSIS

The project is funded by Urban Run-Off Mitigation and Proposition 1 Grant Funds.

Estimated Project Expenses	
Design - Rain Garden Project, Phase II	\$30,000
Construction - Stormwater Diversion Project	\$990,000
Construction - Rain Garden Project, Phase II	\$125,000
Construction Management/Inspection Services	\$115,000
Geotechnical Construction Services (Observed)	\$40,000
Total Estimated Project Expenses	\$1,300,000

Available Funds

Urban Runoff Mitigation Fund, 434, PZ948	\$700,000
Refuse Disposal Fund, 202, PZ948	\$102,000
Baldwin Hills Conservancy Prop 1 Grant F	\$606,000
Available Funds	\$1,408,000

ATTACHMENTS

None

MOTION

That the City Council:

1. Approve the plans and specifications for Transfer Station Stormwater Diversion Project, PZ948, Phase I;
2. Authorize the publication of a notice inviting bids for the Transfer Station Stormwater Diversion Project, PZ948, Phase I; and
3. Approve of a Budget Amendment in the amount of \$606,000 to appropriate the funding for this project from Baldwin Hill Conservancy Proposition 1 Grant Funding.

A 4/5th vote is required to approve the budget the amendment.