

**City of Culver City, California
Agenda Item Report**

Meeting Date: ____		Item Number: <u>C-5</u>	
CITY COUNCIL AGENDA ITEM: Approval of the Final Plans and Specifications and Authorization to Advertise for Bids for the Transfer Station and Public Services Building Rain Garden Improvement Project			
Contact Person/Dept.: Damian Skinner /PW		Contact Person/Dept.: Damian Skinner /PW	
Fiscal Impact: Yes ☒ No ☐		Fiscal Impact: Yes ☒ No ☐	
Public Hearing: ☐		Action Item: ☐	Attachments: ☐
Commission Action Required: Yes ☐ No ☒		Date: _____	
Public Notification: Meeting and Agendas - City Council (10/20/11); Sustainability and Environmental Issues (10/20/11)			
Department Approval: Charles D. Herbertson (10/13/11)		City Attorney Approval: Carol Schwab (10/13/11)	
Chief Financial Officer Approval: Jeff Muir (by K. Marsden) (10/19/11)		Chief Financial Officer Approval: John M. Nachbar (10/20/11)	
<u>RECOMMENDATION:</u> Staff recommends the City Council approve the final plans and specifications and authorize advertising for bids for the Transfer Station and Public Services Building Rain Garden Improvement Project. <u>BACKGROUND:</u> In 2005, the State Water Resources Control Board approved the award of a Proposition 50 Santa Monica Bay Restoration Grant Program (Prop 50 Grant) to the City. The Prop 50 Grant authorized grant funding to design and install/construct a series of innovative Storm Water Best Management Practices (BMP's) that would improve the storm water quality that enters Ballona Creek. Specifically, the grant scope requires the construction of four rain gardens on publicly-owned property capable of infiltrating storm water run-off. <u>DISCUSSION:</u> Rain gardens are designed to intercept the initial storm water run-off that contains pollutants and allow it to percolate through the soil instead of flowing to a nearby storm drain. Water that would normally flow into storm drains from parking lots, drive ways and roof tops would be directed into specially designed gardens that would filter the water as it makes its way to the water table. Staff identified the City's			

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Transfer Station and PublicServicesBuilding as ideal candidates for rain gardens because of the industrial nature of the two facilities.

Transfer Station

The Transfer Station is an industrial facility that accepts municipal solid waste collected from the residential, commercial and industrial areas of the City. Currently, storm water flows across a parking lot and drive isle into a drain filter that leads to a storm drain along Jefferson Boulevard. The proposed rain garden is designed to capture 0.75 inches of rain in a 24-hour period; essentially stopping storm water runoff from the parking lot and drive aisle from entering the storm drain during a medium storm event. Water from rain events in excess of 0.75 inches would exit the rain garden through a media filter to a nearby storm drain.

The rain garden would be constructed in an existing landscaped area along the south wall of the facility. The construction will involve removing the existing landscaping and expanding the planter bed area in order to accommodate the proposed rain gardens. The rain gardens will then be re-landscaped with native plants. The garden is designed to treat approximately 6,650 gallons of storm water run-off.

PublicServicesBuilding

The PublicServicesBuilding houses heavy equipment such as a front-end loader, vacuum trucks, pick-up trucks, dump trucks and a boom truck. The facility also houses aggregate used in road and sidewalk construction. Currently storm water flows across large drive aisles on the east and west side of the building, and two medium size parking lots before entering a storm drain along Jefferson Blvd. The rain garden proposed for the PublicServicesBuilding is similar in construction and capacity as that proposed for the Transfer Station.

The rain garden would be constructed in an existing landscaped area along the sidewalk in front of the facility. The construction will involve removing the existing landscaped slope and re-grading the area in order to accommodate the proposed rain gardens. The rain gardens will then be re-landscaped with native plants. The gardens are designed to treat approximately 18,589 gallons of storm water run-off.

A 3,000 gallon decorative cistern would also be installed in front of the building to harvest rain water that falls onto the facility roof. Harvested rain water would be used in a drip irrigation system to feed the native plants in the rain garden.

Maintenance

The maintenance of the proposed rain gardens would be included with the existing citywide contract for landscape and irrigation maintenance service with Marina

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Landscape. Staff does not anticipate any additional cost for landscape maintenance above the cost of maintaining the landscaping that is already in place today.

The filtration devices will be maintained through another contract that the City will enter into at a later date.

FISCAL ANALYSIS:

Proposition 50 grant funds (42300900) will be used to construct the rain gardens.

Estimated Project Expenses	
PublicServicesBuildingRainGarden Improvement Project	\$175,000
TransferStationRainGarden Improvement Project	\$75,000
Total Estimated Project Expenses	\$250,000

MOTION:

That the City Council:

1. Approve the plans and specifications for the Transfer Station and PublicServicesBuildingRainGarden Improvement Project; and
2. Authorize advertising for bids for the Transfer Station and PublicServicesBuildingRainGarden Improvement Project.