

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

Meeting Date: 03/07/2011		Item Number: <u>C-2</u>	
CITY COUNCIL AGENDA ITEM: Approval of Final Plans and Specifications and Authorization to Publish a Notice Inviting Bids for the Sewer Bypass Construction at Jasmine, Overland, and Mesmer Sewer Pump Stations, P-521			
Contact Person/Dept: Elaine Jeng/PW, Mate Gaspar/PW		Phone Number: 310.253.5621, 310.253.5602	
Fiscal Impact: Yes ☒ No ☐		General Fund: Yes ☐ No ☒	
Public Hearing: ☐		Action Item: ☐ Attachments: ☐	
Commission Action Required: Yes ☐ No ☒		Date: _____	
Public Notification: (E-Mail) Agenda and Meetings – City Council (03/03/11)			
Department Approval: Charles D. Herbertson(02/24/2011)		City Attorney Approval: Carol Schwab (by H. Baker) (03/02/11)	
Chief Financial Officer Approval: Jeff Muir (by K. Marsden) (03/02/11)		City Manager Approval: John M. Nachbar (03/03/11)	
 <u>RECOMMENDATION:</u> Staff recommends the City Council approve the final plans and specifications and authorize the publication of a notice inviting bids for the Sewer Bypass Construction at Jasmine, Overland, and Mesmer Sewer Pump Stations, P-521. <u>BACKGROUND/DISCUSSION:</u> Culver City's sewer pump stations receive sewage effluent through gravity sewer pipe and then pump the effluent under pressure through a sewer force main that connects to the City of Los Angeles' sewer system. In the case of pup station failure, the current emergency response measure is to divert the sewage using mobile (portable trash) pumps into large capacity storage tanks that are rented from a vendor. At the same time, tanker trucks must remove the sewage from the storage tanks and drive to another part of the sewer system (not associated with the particular sewer pump station) and drain it to a manhole. The process is repeated until the pump station is repaired. An alternative emergency response is to install sewer bypass piping directly into the sewer force main. In case of the complete failure of the sewer pump station, a mobile sewer pump can bypass the sewage from the sewer pump station directly to the sewer force main. This method will not require the rental of storage tanks and tanker trucks which makes the City less dependent on outside sources. The operation of the mobile sewer pump and by-pass is continuous and will prevent sewer overflow and provide time to repair the sewer pump station. A sewer bypass			

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pipng system was installed at the Braddock Sewer Pump Station several years ago. This system has been tested and has proven to operate as designed.

At each of the three sewer pump stations (Jasmine, Overland, and Mesmer), staff designed, with the help of an on-call consultant, a sewer bypass piping arrangement that is appropriate for each station based upon each station's unique requirements. In general, a permanent quick pipe connection for the mobile pump and an outlet pipe connecting to the existing sewer force main will be installed as a part of this project.

Staff recommends that the City Council approve the final plans and specifications and authorize the publication of a notice inviting construction bids.

The construction contract award is expected to be presented to the City Council for consideration in April 2011. Should the City Council award the contract, the construction of the project is slated to commence in May 2011 and to be completed by July 2011. Staff intends to solicit construction inspection services from the City Council approved list of on-call general civil engineering firms.

FISCAL ANALYSIS:

The engineer's estimate is for this project is \$80,000. There are sufficient funds available in 20400521 (P-521), Sewer pump station improvements, for the construction of this project.

MOTIONS:

That the City Council:

1. Approve the final plans and specifications; and,
2. Authorize the publication of a notice inviting bids for the Sewer Bypass Construction at Jasmine, Overland and Mesmer Pump Stations, P521.