

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

Meeting Date: 11/22/2010		Item Number: <u>C-7</u>	
CITY COUNCIL AGENDA ITEM: (1) Acceptance of the Work Performed by SRD Engineering, Inc.; (2) Authorization to File a Notice of Completion; and (3) Authorization to Release the Retention Payment after the Expiration of the 35-Day Lien Period, for the Potholing and Inspection of Abandoned 10" Sewer Force Main on Braddock Drive, P-521			
Contact Person/Dept.: Hong Wang/PW		Phone Number: 310-253-5604	
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 (11/17/2010); (Email) SRD Engineering, Inc. (11/17/10)			
Department Approval: Charles D. Herbertson (11/11/10)		City Attorney Approval: Carol Schwab (by H. Baker) (11/16/10)	
Chief Financial Officer Approval: Jeff Muir (by K. Marsden) (11/16/10)		City Manager Approval: John M. Nachbar (11/17/10)	

RECOMMENDATION:

Staff recommends that the City Council: (1) accept the work performed by SRD Engineering, Inc. for the Potholing and Inspection of Abandoned 10" Sewer Force Main on Braddock Drive, P-521, (2) authorize filing a Notice of Completion; and (3) authorize the release of the retention funds in the amount of \$6,501.33 after the expiration of the 35-day lien period.

BACKGROUND:

On August 9, 2010, the City Council awarded a construction contract to SRD Engineering, Inc., in the amount of \$62,037.50 along with a \$9,300 change order authority to the Public Works Director/City Engineer.

The scope of work consisted of potholing and inspection to determine the structural integrity of a 10" cast iron force main pipe, which was constructed in the 1940's and subsequently abandoned in the 1988 when a new 18" diameter force main was constructed to replace it. The force main carries approximately 1,500,000 gallons of sewage flows daily from the Braddock Sewage Pump Station, located at the corner of Sawtelle Boulevard and Braddock Drive, to the City of Los Angeles' West Los Angeles Interceptor sewer in Overland Avenue.

A redundant force main will provide the City a secondary discharge sewer main in case the existing 18" line is not available due to any unforeseen conditions.

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DISCUSSION:

SRD Engineering, Inc. completed the CCTV and pressure testing of the abandoned 10" force main (cast iron pipe with cement lining). Based on visual and CCTV inspection, the pipe is generally structurally sound. Three of the five segments passed pressure tests at 50 psi; two segments did not pass due to small leaks.

The construction management and inspection was performed by Engineering Division Staff. A change order in the amount of \$2,975 was approved for dewatering the abandoned pipe, which was an unforeseen condition.

Based on this pipe condition assessment, the abandoned 10" force main is scheduled to be renovated with cured-in-place liner and to be re-activated as a backup force main. Engineering plans and specifications will be prepared for the pipeline rehabilitation work, with an estimated cost of \$300,000. A pipe replacement project would have cost about \$1.5 million to construct.

FISCAL ANALYSIS:

Project Budget	
Pump Stations Improvements (20400521)	\$685,745
Funds Expended or Encumbered	\$147,035
Available Funds	\$538,710

Final Project Expenses	
Original Construction Contract Amount	\$62,037.50
Change Order	\$2,975.88
Final Construction Contract Amount	\$65,013.38

The remaining project balance has been budgeted for various improvements to the city's seven sewer lift stations and force mains.

MOTIONS:

That the City Council:

1. Accept the work performed by SRD Engineering, Inc. for the Potholing and Inspection of Abandoned 10" Sewer Force Main on Braddock Drive, P-521; and
2. Authorize the Public Works Director/City Engineer to execute the Notice of Completion and submit it to the Los Angeles County Recorder's office; and,
3. Authorize the City Manager to release \$6,501.33 in retention to SRD Engineering, Inc. after the expiration of the 35-day lien period.