



Staff Report

City of Manhattan Beach

TO: Honorable Mayor Tell and Members of the City Council

THROUGH: David N. Carmany, City Manager

FROM: Jim Arndt, Director of Public Works
 Raul Saenz, Utilities Manager
 Brian Wright, Water Utility Supervisor

DATE: April 3, 2012

SUBJECT: Final payment in the Net Amount of \$102,081.86 to General Pump Company; Formally Accept the Well 11-A Rehabilitation Project as Complete; and Authorize Filing of the Appropriate Notice of Completion and Release Retention in the Amount of \$16,917.43

RECOMMENDATION:

Staff recommends that the City Council pass a motion to authorize the City Manager to:

- a) Approve the issuance of the second and final payment in the net amount of \$102,081.86 to General Pump Company for the Well 11-A Rehabilitation Project.
- b) Formally accept the Well 11-A Rehabilitation Project as Complete; and
- c) Authorize filing of the appropriate Notice of Completion and the release of retention in the amount of \$16,917.43

FISCAL IMPLICATION:

Budget			
Well 11-A Rehabilitation Project (501-18-221-6212)			\$230,000.00
TOTAL BUDGET			\$230,000.00
Anticipated Expenditures			
Construction Contract (General Pump Company)		\$225,420.00	
Contingency (10%)		\$22,500.00	
TOTAL CONTRACT + CONTINGENCY			\$247,920.00
Progress Payments: Control Maintenance and Repair, Inc.			
	Net Progress Payment	Retention	Total
Construction Contract (General Pump Company)			\$247,920.00
Progress Payment 1	\$50,175.00	\$5,575.00	\$55,750.00
Second and Final Payment (Recommended)	\$102,081.86	\$11,342.43	\$113,424.29
Total Progress Payments to Date	\$152,256.86	\$16,917.43	\$169,174.29
Balance in Contract plus Contingency			\$78,745.71

BACKGROUND:

At the October 4, 2011 meeting, Council awarded a contract to General Pump Company, Inc. in the amount of \$225,420 and authorized a contingency in the amount of \$22,500.00 for the Well #11-A Rehabilitation Project. Well # 11-A is located on the southwest corner of Manhattan Beach Blvd. and Green Ln. in the City of Redondo Beach. Over the past 2 years, Well #11-A's water production capacity had dropped from 2,300 gallons per minute (gpm) to 1,500gpm. The decreased production capacity was the results of well pump column degradation and accumulated deposits along the well casing perforations. The exact causes were determined through visual inspection of the motor/pump assembly and video inspection of the well casing when the equipment was pulled. While the motor/pump assembly was removed, Staff performed down-hole preventative maintenance to assure continued aquifer production capacity.

This project involved:

- Removal of the 350 horse power motor, discharge head and 300 feet of pump assembly for inspection and determination of replacement needs
- Down-hole video inspection of 445 feet of well casing and perforations for determination of appropriate down-hole rehabilitation methods.
- Air Burst and Mechanical agitation of the well casing perforations and immediately adjacent aquifer to restore the well's ability to transmit water
- Aquifer redevelopment and pump testing aimed at determining the well's maximum production capability.
- Selection and installation of a new motor and pump assembly based on the aquifer redevelopment testing.

DISCUSSION:

Final Payment

Upon performing a video inspection of the well casing after the pump and motor were removed, it was determined that several bid line item tasks would not be required. As such, the overall project cost was reduced well below that contract and contingency authorization by \$78,745.71. The Contractor has completed the work and is requesting formal acceptance of the work and final payment in the amount of \$102,081.86. A five percent (5%) retention in the amount of \$16,917.43 will be released upon the expiration of 35 days after recordation of the Notice of Completion with the County Recorder. All work inspected by the Public Works Department has been found to be in conformance with the plans and specifications.

cc: Henry Mitzner, Controller