



Agenda Item #: _____

Staff Report

City of Manhattan Beach

TO: Honorable Mayor Ward and Members of the City Council

THROUGH: Richard Thompson, Interim City Manager

FROM: Jim Arndt, Director of Public Works
Raul Saenz, Utilities Manager

DATE: June 1, 2010

SUBJECT: Approval of Progress Payment No.1 in the net amount of \$59,600.00 for the Well #15 Reconditioning Project to General Pump Company, Inc.

RECOMMENDATION:

Staff recommends that the City Council pass a motion to approve the issuance of the subject progress payment.

FISCAL IMPLICATION:

Budget		
2009-10 Well #15 Reconditioning Project	CIP 103838E	\$ 200,000.00
2008-09 Well #15 Reconditioning Project	CIP 103838E	\$ 60,000.00
TOTAL BUDGET		\$ 260,000.00
Anticipated Expenditures		
Construction Contract (General Pump Company)		\$ 181,540.00
Contingency (10%)		\$ 18,000.00
TOTAL ESTIMATED EXPENDITURES		\$ 199,540.00
Recommended Progress Payment: General Pump Company		
Progress Payment No. 1 (Recommended)		\$ 53,640.00
Total Progress Payments to Date		\$ 53,640.00
Balance in Contract		\$ 145,900.00

BACKGROUND:

At its meeting of December 15, 2009, Council awarded a contract to General Pump Company, Inc. in the amount of \$ 181,540.00 for the Well #15 Reconditioning Project .

Well # 15 is located on the southwest corner of Manhattan Beach Blvd and Vail Ave. in the City of Redondo Beach. Over the past three years, the well's water production capacity has dropped from 1850 gallons per minute (gpm) to 400 gpm. The decreased production capacity may have resulted as a function of mechanical and/or well casing perforation degradation. The exact cause(s) will be determined through visual inspection of the motor/pump assembly and well casing when the equipment is pulled from the well head. While the motor/pump assembly is removed, Staff will perform down-hole preventative maintenance to assure continued aquifer production capacity. This project will involve:

- Removal of the 250 horse power motor, discharge head and 130 feet of pump assembly for inspection and determination of replacement needs.
- Down-hole video inspection of 410 feet of well casing and perforations for determination of appropriate down-hole rehabilitation methods.
- Mechanical and/or chemical 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 of a new motor and pump assembly based on the aquifer redevelopment testing.

DISCUSSION:

Progress Payment No. 1

The Contractor has completed approximately 60% of the work, focusing primarily on removal of existing equipment and rehabilitation of the well casing.

The Contractor is currently purchasing new motor and pump to match City's required specifications.

The Contractor has submitted a request for Progress Payment No. 1 in the net amount of \$53,640.00. All work items covered by this payment have been reviewed by the Public Works Department and found to be in conformance with the plans and specifications.

xc: Henry Mitzner, Controller