



## **MONTHLY PROJECT STATUS REPORT**

**Subject: HEBER PUBLIC UTILITY DISTRICT – WATER TREATMENT PLANT EXPANSION  
SRF Project No. 1310007-002C**

**Date:** October 14, 2016

**From:** Juny Marmolejo, Project Engineer, The Holt Group, Inc.

**To:** Laura Fischer, General Manager, Heber Public Utility District

**Cc:** Board President and Directors, Heber Public Utility District  
Francisco Rodriguez, Chief Operator, Heber Public Utility District  
James G. "Jack" Holt, P.E., Principal Engineer  
Sameer Patel, P.E., Resident Engineer

### **Project:**

- Expansion of the Water Treatment Plant from 2 million gallons per day (MGD) to 4 MGD.
- Facility improvements to reduce Total Trihalomethanes (TTHM) in potable water.

### **Summary of Construction Progress:**

- Project Completion Percentage: 56 %
- Processing of Construction documentation (Submittals and RFIs).
- 0.75 MG Tank's Cathodic Protection, Inlet and Outlet Pipeline, and Disinfection Testing and Placement into Service
- 1.7 MG Tank's Coating of interior roof, walls and floor.
- Site Piping between Raw Water Basins and Raw Water Pump Station
- Site Piping between Raw Water Ponds
- Generator Set's Foundation rehabilitation
- Clarifier/Filter Unit's new Blower Construction
- Site Pipe installation for various facilities.

### **Construction Schedule:**

- Start: March 1, 2016
- 355 Calendar days for Construction
- End: February 19, 2017
- Construction Days To Date: 227 days (October 14, 2016)

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### Construction Cost:

- Contract To Date: \$8,294,578.35
  - Original Contract: \$8,129,000
  - Approved Change Orders: \$165,578.35
- Expended To Date: \$3,952,026.68
  
- Construction Contingency: \$384,735.00
  - Approved HPUD Change Orders: \$165,578.35
  - Percentage of Construction Contingency Used: 43%
  
- HPUD Change Orders Previously Approved
  - Change Order Nos. 1, 2 and 4 – \$165,578.35
  - Change Order No. 3 (Tank Logo) – Not included under SRF Contract - \$14,000
  
- Change Orders under negotiation:
  - Raw Water Pond No. 2 Linear tears – approx. \$ 5,000  
Repairs of pin holes, cuts and punctures within the polypropylene liner walls and floor discovered to be leaking.
  - 1.7 MG Tank's Deteriorated Floor Repair – approx. \$250,000  
Complete repairs to the holes, pitting and steel deterioration of existing tank floor, caused by corrosion. It is believed that holes within the tank bottom were created during sandblasting of the existing coating system which had blistering. There is no evidence that the holes were pre-existing prior to construction activities, and there is no evidence that water was leaking out of the tank. Division of Drinking Water has been informed of the issue, and there is no concern for any contamination of water that has been distributed by HPUD. The tank will remain out of operation until which time a repair is designed and approved as a change order to the project. Attached are photos of the condition of the existing Tank Bottom.
  - Flex Coupling Adapters for Finished Water Pump Station – \$4,400  
Provide and install flex coupling adapters for piping at point of connection with Finish Water Pumps to allow flexible movement.
  - Replacement of Air Compressor for Clarifier/Filter Unit: estimated credit of \$2,000  
The existing Air Compressor for the Clarifier/Filter unit was replaced in lieu of installation of a second Air Compressor.
  - Installation of new pressure transmitter: estimated \$3,000  
Replace an existing and faulty pressure transmitter for the 0.75 MG Tank.
  - Water Treatment Plant Shut Down Piping changes: estimated \$6,000  
Installation of additional water pipeline fittings to conduct water treatment plant shut down for new pipeline connections.

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### Outage of Facilities:

- Existing Water Treatment Plant has remained operational during construction.
- Pacific Hydrotech is working closely with HPUD and The Holt Group for a temporary **water distribution system outage** that is planned from Wednesday, November 9<sup>th</sup> at 11:00 PM to Thursday, November 10<sup>th</sup> at 4:00 AM (a five hour period). The water outage is required to conduct two connections of new piping and a new electrical power connection within the Water Treatment Plant. During the water distribution system outage HPUD Operators will be able to provide a low flow of water into the distribution system to maintain a pressure of above 5 PSI as required by Division of Drinking Water. HPUD, The Holt Group, and Pacific Hydrotech have been preparing and conducting pre-construction activities to allow an efficient new water connection during the outage. HPUD and The Holt Group are notifying the State Water Resources Control Board's Division of Drinking Water (water treatment and distribution system's regulatory agency) and water users of the water outage.
- Pacific Hydrotech is working closely with Water Treatment Plant Operators and The Holt Group for a temporary water outage of Raw Water Pond Nos. 2 and 3 for construction improvements and cleaning by HPUD Operators. Raw Water Pond No. 2 is to be placed back into service on October 15<sup>th</sup>. Raw Water Pond No. 3 is to be placed back into service by end of October.







