

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
DIVISION OF PUBLIC UTILITIES' COMMISSION**

**In re: Rate Filing to Implement the Second
Step Increase**

Docket No. 4879

**CITY OF WOONSOCKET WATER DIVISION'S
("WWD") RESPONSES TO THE DIVISION OF PUBLIC UTILITIES AND CARRIERS'
SEVENTH SET OF DATA REQUESTS (Step 2)**

(Issued May 1, 2020)

| | |
|-------------------|---|
| 7-1 | Please provide a construction update and latest cost estimate for Woonsocket Water's New Treatment Plant Project. |
| WWD Response 7-1: | See Attached. |
| Respondent: | David Bebyn, CPA |
| Date: | May 1, 2020 |

Status Report No. 27

City of Woonsocket - Drinking Water Treatment Facility Capital Improvements Project

Date: April 24, 2020
Prepared by: CDM Smith

On July 31, 2017 the City of Woonsocket, Rhode Island (“City”) entered in to an Agreement with Woonsocket Water Services, LLC (“Company”); note that, during the proposal review process, the “Company” was also referred to as “the AECOM Team”. The Agreement is for the Company to design, construct and operate a new water treatment facility with a design capacity of 7.0 million gallons per day, expandable to 10.5 million gallons per day, on the City-owned property on Jillson Avenue. Construction is to be complete and the facility fully operational no later than December 31, 2020.

Status Report No. 27 details the work completed from March 24, 2020 through April 23, 2020.

PROJECT SCHEDULE

All design packages have been delivered to the City and stamped by RIDOH, which completes the design phase of the project. The City has issued to the Company a full notice to proceed with construction of Capital Improvements. It is anticipated the new water treatment plant will be fully operational on December 31, 2020.

PROJECT BUDGET

| | |
|-------------------------------------|-------------------------|
| Original Contract Sum | \$ 56,752,800.00 |
| Total Change Orders | \$ 159,033.00 |
| Current Contract Sum | \$ 56,911,833.00 |
| Total Paid to Date | \$ 40,126,771.80 |
| Current Retainage | \$ 1,769,199.29 |
| Current Payment Under Review | \$ |

PROJECT CHANGE ORDERS

PROPOSED

PCO No 9 - PCB and PAH Remediation: Work under Change Order No 2 has been completed. Confirmatory soil samples indicated additional remediation work will be required. The Company is proposing a fixed Engineering Services cost of \$9,574 plus the cost of excavation, disposal, sampling and lab costs associated with the removal of contaminated material within the defined area at a unit cost of \$106.80 per ton. WWS has completed the additional excavation and disposal of the contaminated soils along the WTP access road. A final change order for this work will be developed.

FUTURE

Sick Leave Act - A new law passed in the State of Rhode Island regulating the minimum sick leave time employees in the State must receive. WWS has evaluated the act and estimated the cost impacts it may have on the project. This is under review.

EXECUTED

Change Order No. 1 – PCB and PAH Notification and Delineation: \$41,868.00

This change order covered the compensation for the Preparation/review of Notification to RIDEM and resulting RIDEM response and conduct the required site delineation of the PCB and PAH contamination to determine the extent of excavation required along the facility's primary access road.

Change Order No. 2 – PCB and PAH Remediation: \$114,919.00

Field work to further delineate the PCB and PAH contamination along the facility's primary access road was completed (CO-01). Lab results showed reportable levels of PCB were found to a depth of 3-feet, while PAH contamination were found to a depth of 6-feet. The Company has proposed Change Order No 2 (CO-02) to "Dig and Haul" contaminated soil off-site, conduct confirmatory sampling, development of reports and management activities during excavation for a total cost of \$114,919.00. If confirmatory samples show additional remediation is required a proposed change order would be developed.

Change Order No 3 – Excavation/Removal Hazardous Materials: \$100.70/Ton (Time & Material) Covers handling of hazardous materials while installing new water mains along Joffre Ave, Acres Ave, Reservoir Ave and Manville Rd. Company will only be compensated for material removed for disposal at a rate of \$100.70 per ton.

Change Order No 4 – Raw/Finished Piping Modifications: \$202,988.00 (CREDIT)

Company is deleting from the design ~620 linear feet of 24” ductile iron water main. The finished water main runs from the intersection of Acres Ave and Reservoir Ave to Joffre Ave and Logee St. The Company had proposed deleting ~450 linear feet of 24” ductile iron main between Manville Road and Lydia Avenue. However, deleting the ~450 linear feet of 24” ductile iron main would have meant transmission of raw water through an existing 100 year old main and the loss of redundancy.

Change Order No 5 – Interior Process Piping Material Change: \$129,600 (CREDIT)

Company will credit \$129,600 by installing epoxy line carbon steel pipe in lieu of ductile iron pipe within all facilities. This includes piping within the WTP, Raw Water Pump Station and Finish Water Pump Station.

Change Order No 6: National Grid Natural Gas Service: \$66,239

National grid has provided an invoice totaling \$114,740 to complete the installation of new gas main and gas service required at the new treatment facility. A utility allowance of \$50,000 was placed into the construction contract. CO No 6 will cover the remaining balance plus bond and insurance increases incurred by WWS.

Change Order No 7 - Natural Gas Booster Station: The Company has provided a change order of \$108,000 to design and construct a gas booster station required to operate HVAC equipment at the treatment plant due to low line pressures in the distribution system. Design details have been coordinated between WWS and National Grid.

Change Order No. 8 - 30” Line Stop: The Company has provided a change order of \$80,430 to furnish and install a line stop in order to connect the new raw water line to the existing pipe network. During pressure testing it was discovered the existing line valves did not provide the required isolation to enable this connection to be made. It has been determined a line stop is required in order to connect the new raw water main into the existing pipe network.

Change Order No. 9 – Manville Road Full Width Paving: At the request of the City, the Company has provided a change order of \$80,175 to provide full width curb to curb paving in all disturbed areas of Manville Road. The agreement originally called for only disturbed areas to be paved.

PROJECT SUBMITTALS

- All design packages have been approved for construction.

PROJECT PERMITTING

- All RIDEM and RIDOH permitting activities have been completed for the project.

FIELD WORK/CONSTRUCTION ACTIVITIES

- Completed CMU walls WTP Building
- Continued installation of HVAC equipment in the treatment building
- Completed installation of 24" raw water and finished water yard piping running up the hill to the Water Treatment Plant
- Continued DAF piping installation
- Installed Filter wash water troughs
- Continued painting activities inside treatment/admin building
- Completed chemical containment coating in the WTP
- Continued electrical conduit install for motors and lights at the FWPS
- Performed fire hydrant flow test for facility
- Installed sanitary wetwell
- Installed emergency generator at RWPS
- Placed grout for RWPS vertical turbine pump cans
- Begin install of vertical turbine pumps
- Completed installation of RWPS precast panels

Water Treatment Plant

DESIGN-BUILD-OPERATE PROJECT UPDATE

WOONSOCKET WATER SERVICES, LLC



Water Treatment Plant Timeline

Project Introduction. The City of Woonsocket, Rhode Island issued a request for proposals (RFP) in August 2015 for the design and construction of a new water treatment facility. Woonsocket Water Services, LLC, (WWS) a team comprised of AECOM, C.H. Nickerson, and Suez, submitted a proposal in February 2016 for the design-build-operate project and was awarded the project in July 2017. The project is currently in the construction phase.

Design. Once the contract was signed, the project was kicked off with the City in August 2017 with the initiation of design packages and permitting with local and state regulatory agencies. The design packages consist of the following packages: Package 1 - Early Site Work; Package 2 - Raw Water Pumping Station, connecting pipelines, and structural foundations of the Water Treatment Plant; and Package 3 - Water Treatment Plant.

RIDOH approved Package 1 on May 30, 2018; Package 2 on July 20, 2018; and Package 3 on September 28, 2018. All packages have been stamped and approved by RIDOH, which completes the design phase of the project.

Permitting. All RIDEM and RIDOH permitting activities have been completed for the project. The RIDOH participates in monthly progress review meetings with the project team and the City and will continue to participate and monitor the project throughout construction and startup. Representatives from the RIDEM make period site visits to the WTP site to conduct site inspections related to construction storm water controls.

RIDEM approved a permit modification to the original Freshwater Wetlands permit on June 7th, 2019. The permit modification request modifies the amount of off-site compensation that would be provided, to include the impervious area that will be created with the sidewalk improvements on Jillson Avenue and the extension of Acres Avenue to the new Secondary Access Road from the new WTP.

Prepared and submitted for City review a draft Equipment and Systems Testing and Startup Plan outlining testing and startup activities and schedule for the new WTP.

Construction. In April, the following activities were conducted:

Water Treatment Plant:

- a. Completed CMU walls WTP Building
- b. Continued installation of HVAC equipment in the treatment building
- c. Completed installation of 24" raw water and finished water yard piping running up the hill to the Water Treatment Plant
- d. Continued DAF piping installation
- e. Installed Filter wash water troughs
- f. Continued painting activities inside treatment/admin building
- g. Completed chemical containment coating in the WTP
- h. Continued electrical conduit install for motors and lights at the FWPS
- i. Performed fire hydrant flow test for facility
- j. Installed sanitary wetwell

Raw Water Pump Station:

- a. Installed emergency generator at RWPS
- b. Placed grout for RWPS vertical turbine pump cans
- c. Begin install of vertical turbine pumps
- d. Completed installation of RWPS precast panels

Upcoming Activities (3 Month Look Ahead)

- Complete review of construction submittals
- Complete installation of electrical conduit at WTP and FWPS
- Continue wiring for panels and electrical equipment
- Continue DAF system equipment & piping installation
- Install roof trusses at the RWPS
- Complete painting inside treatment building/admin building
- Continue installation of plumbing fixtures at treatment/admin building
- Continue installation of fire suppression system at treatment/admin building
- Finalize Equipment and Systems Testing and Startup Plan

Site Photographs

The following project photographs were taken in April 2020. These photographs depict the ongoing activities related to placement of RWPS precast concrete wall panels, installation of the WTP sanitary wetwell, and RWPS vertical turbine pump install.



Placing Precast Panels at RWPS



Installation of Sanitary Wetwell at WTP



Installation in Progress for RWPS Vertical Turbine Pumps

Design-Build-Operate Contract Update

| | |
|---|--------------------------|
| TOTAL CONTRACT AMOUNT | \$56,911,833 |
| EXPENDED THROUGH March 13, 2020 | \$41,895,971.08 |
| PERCENT COMPLETE | 74% |
| ANTICIPATED TREATMENT PLANT COMPLETION DATE | No Later than 12/31/2020 |

CITY OF WOONSOCKET, WATER
DIVISION
By its Attorneys,

/s/ Alan M. Shoer
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Dated: May 1, 2020

CERTIFICATE OF SERVICE

I hereby certify that on May 1, 2020 I delivered a true copy of the foregoing responses of the **City of Woonsocket Water Division in response to the Division of Public Utilities and Carriers' (Step 2) Seventh Set of Data Requests** via electronic mail to the parties on the attached service list.

/s/ Alan M. Shoer