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Meeting Notes

Subject	Peirce Island WWTF Upgrade – Monthly Public Construction Meeting
Date	April 18, 2018
Time	11:00 AM
Location	Portsmouth, NH

A public meeting was held at 11:00 AM on April 18, 2018 in Conference Room A at Portsmouth City Hall for the subject project. A record of the discussion follows:

Peter Rice, Director of Public Works, gave an introduction to the meeting and outlined the topics of discussion, including work completed since the last meeting, work to be completed in the coming month, work anticipated in the next six months, construction cost to date, summary of Consent Decree milestones, events and recreation, and public input.

The members of the Project Team in attendance introduced themselves, and included:

- Peter Rice, Director of Public Works
- Jon Pearson, AECOM Project Manager
- Robert Dahlinghaus, AECOM Resident Representative
- Andy Brodeur, Methuen Construction, Project Manager

Peter noted that to obtain additional information regarding the project, there is a project website that can be accessed through www.cityofportsmouth.com/publicworks/wastewater/peirce-island-wastewater-facility/peirce-island-wastewater-facility-upgrade-project. The website is updated weekly with news and recreational information and contains a link to a reporting form that can be used to provide feedback or notify the City of any issues associated with the project.

Jon discussed work that has been completed this month. He noted areas where work is ongoing at the site, including:

- Headworks Building
- Yard Piping / Utility Service
- Grit Building
- New Solids Building
- Biological Aerated Filter (BAF) Building

Jon reviewed photos of construction progress, including:

- Headworks Building – HVAC, plumbing, electrical, and mechanical process work is in progress and near completion. Work to test and startup mechanical process equipment is in progress. It was noted that the all wastewater flow entering the WWTF will pass through the

Headworks Building and undergo screening so that larger material that may damage downstream equipment is removed from the wastewater.

- Grit Building – Work to install new mechanical process, HVAC and electrical equipment is in progress. Concrete work for the new grit classifier pads is in progress and selective demolition of equipment and piping is in progress. Efforts to keep the Grit Building operational during equipment replacement are ongoing. It was noted that the Grit Building will house the grit removal process, where grit from the wastewater is removed through settling and is conveyed to the grit classifiers. The grit classifiers will then separate organic material from the grit. This process step aids in extending the service life of downstream mechanical process equipment.
- BAF Building – Reinforcing, formwork, and concrete placement for the elevated slabs, columns, above ground walls, and cell walls is in progress. Installation of the precast nozzle decks is in progress. Installation of mechanical process piping is continuing in Stage 1 of the BAF.
- Solids Building – Underground yard piping and ductbank work beneath the Solids Building is in progress. Reinforcing, formwork, and concrete placement for the foundation slab and walls are in progress.
- Yard Piping / Utility Service – Work to install yard piping between the Grit Building, Solids Building and BAF Building is in progress.

Andy discussed work anticipated for the coming month, including:

- Continue interior finish work in the Headworks Building, including mechanical, HVAC, plumbing, and electrical systems.
- Continue startup and training for WWTF staff of equipment at the Headworks Building.
- Continue selective demolition and architectural, structural, mechanical process, HVAC, plumbing, and electrical construction in the Grit Building.
- Continue reinforcing, formwork, and concrete placement for the BAF Building elevated slabs, columns, and walls.
- Continue installation of mechanical process piping in Stage 1 of the BAF Building. Piping for process air has been installed in several of the cells and work to install the piping in the remainder of the cells will continue.
- Continue installation of utilities under the new Solids Building.
- Continue installation of reinforcing, formwork, and concrete placement for the Solids Building foundation slab and walls.
- Continue underground piping installation between the Grit Building, Solids Building, and BAF Building.

Andy then discussed the work anticipated through April and into September 2018, including:

- Headworks Building – Complete remaining interior finish including HVAC, plumbing and electrical systems. Complete testing, training, and turnover activities so that the building can be put into service and turned over to the City. Begin to directed wastewater flow from the Mechanic Street and New Castle Pump Stations to the Headworks Building.
- Grit Building – Interior: Continue selective architectural, structural and mechanical process modifications, continue installation of interior mechanical process equipment and piping, continue modifications on the Grit Chambers, and continue installation of electrical, control, and fire alarm wiring. Complete installation of new ferric chloride chemical system and

complete installation of the new slide gates for the Grit Chambers. Exterior: complete work on the new roof, yard piping associated with the building, and installation of exterior doors.

- Underground Piping and Utility Services – Continue work to extend yard piping from the Primary Clarifiers to the BAF Building, Solids Building and Primary Clarifier Effluent Distribution Box.
- Electrical Facilities – Continue to extend the electrical and communication ductbanks towards the BAF and Solids Buildings.
- BAF Building – Complete installation of the precast channel covers and nozzle decks for the Stage 1 cells. Continue reinforcement, formwork, and concrete placement for the elevated slabs, walls, and columns. Continue installation of mechanical process piping and equipment, electrical, plumbing, and HVAC systems, this includes the Boiler Room, Mechanical Room, and Blower Room. Continue installation of yard piping and backfilling around the building on the South, East and West side. Begin installation of CMU walls on both ends of the building for the stairways and installation of precast roof planks.
- Solids Building – Complete installation of yard piping and underground utilities in and around the Solids Building. Continue reinforcement, formwork, and concrete placement for the foundation, walls, and columns. Begin work on interior mechanical process piping and equipment. Begin reinforcement, formwork, and concrete placement for elevated slabs, walls and columns. Begin installation of precast roof planks.
- Sanitary Pump Station No. 1 – Complete associated yard piping and installation of pumps within the structure.

Jon provided an update on the project construction cost:

- Original Contract: $72.786 million
- Change Order No. 1: $0.367 million
- Change Order No. 2: $0.547 million
- Change Order No. 3: $0.093 million
- Change Order No. 4: $0.163 million
- Total Contract: $73.956 million

Jon provided a summary of the project milestones set by the Consent Decree:

- Execute Contract to Construction Upgrades - Date: 9/1/2016 - Status: Complete
- Submit Two Additional Millstones for EPA Review and Approval - Date: 12/1/2016 - Status: Complete
- Additional Milestone 1: Transfer of the Existing SCADA system to the New Headworks Building - Date: 11/21/2017 - Status: Complete
- Additional Milestone 2: Startup and Testing of the Secondary Influent Pump Station in the New Solids Building - Date: 5/9/2019 - Status: On Schedule
- BAF Substantial Completion - Date: 12/1/2019 - Status: On Schedule
- Achieve Compliance with NPDES Permit Limits - Date: 4/1/2020 - Status: On Schedule

Jon noted that the project team is continuing to coordinate construction with community events. Upcoming events this month include the LOCO Sports Half Marathon, American Lung Association Cycle the Seacoast, Pro Portsmouth Children's Day, AIDS Response Seacoast, and Strawbery Banke Events.

A question and answer session then occurred, and is summarized below:

Jack Nelson asked the following:

> Q: Has the BAF Building, as shown in the images, been constructed to its final height?
> A: Andy responded that when looking at the images there is the top of concrete and then above that is an additional 6 feet of reinforcing steel. The final height of the majority of the building will come up to approximately the top of the reinforcing steel that is shown on the images.

The next public construction meeting will be on May 16, 2018 at 11:00 AM in Conference Room A at Portsmouth City Hall.

These notes present a summary of the items discussed at the meeting and are not a transcript of the meeting.