



Peirce Island WWTf Upgrade Construction

Public Information Meeting

September 18, 2019

Topics of Discussion

- Introductions
- Work Completed Since Last Meeting
- Work to be Completed in Coming Month
- Work Anticipated in Next 6 Months
- Project Construction Costs
- Consent Decree Schedule
- Events & Recreation
- Public Input/Comments/Concerns
- Next Meeting



Introductions

- City Staff:
 - Terry Desmarais, City Engineer, 603-766-1421
tldesmarais@cityofportsmouth.com

- Website:

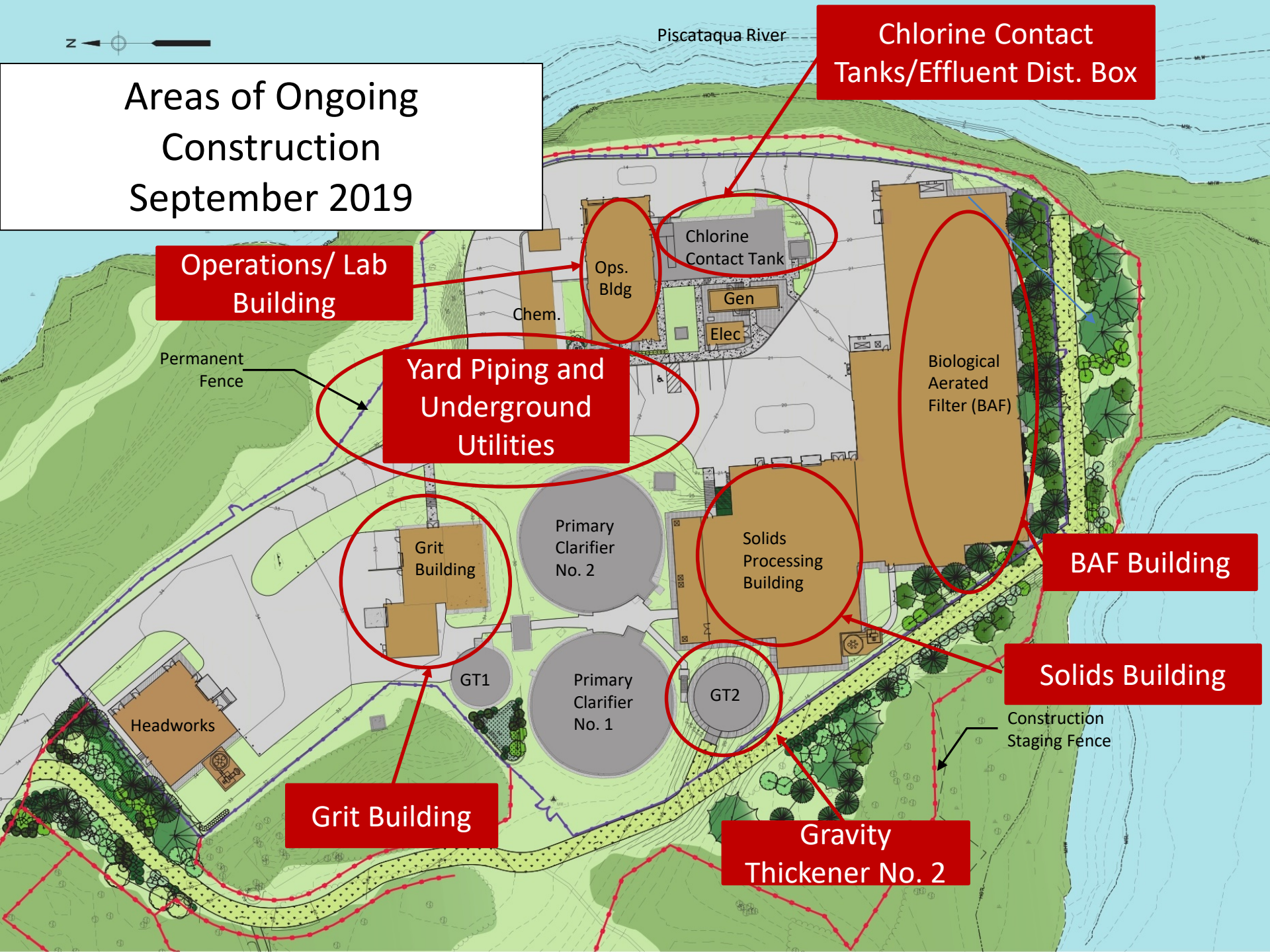
<https://www.cityofportsmouth.com/publicworks/wastewater/peirce-island-wastewater-facility/peirce-island-wastewater-facility-upgrade-project>

- News and Updates
- Recreational Info
- Project Info
- Report Form
- Etc.





Areas of Ongoing Construction September 2019



Site Overview November 2016



Work Completed Since Last Meeting



September 18, 2019



Peirce Island WWTF Upgrade Construction

Work Completed Since Last Meeting



Yard Piping & Utilities

Work Completed Since Last Meeting



BAF Building

September 18, 2019



Peirce Island WWTF Upgrade Construction

Work Completed Since Last Meeting



BAF Building

Work Completed Since Last Meeting



BAF Building

Work Completed Since Last Meeting



BAF Building

Work Completed Since Last Meeting



BAF Building

Work Completed Since Last Meeting



BAF Building

Work Completed Since Last Meeting



Solids Building

Work Completed Since Last Meeting



Solids Building

Work Completed Since Last Meeting



Solids Building

Work Completed Since Last Meeting



Solids Building

Work Completed Since Last Meeting



Ops/Lab Building

Work Completed Since Last Meeting



Ops/Lab Building

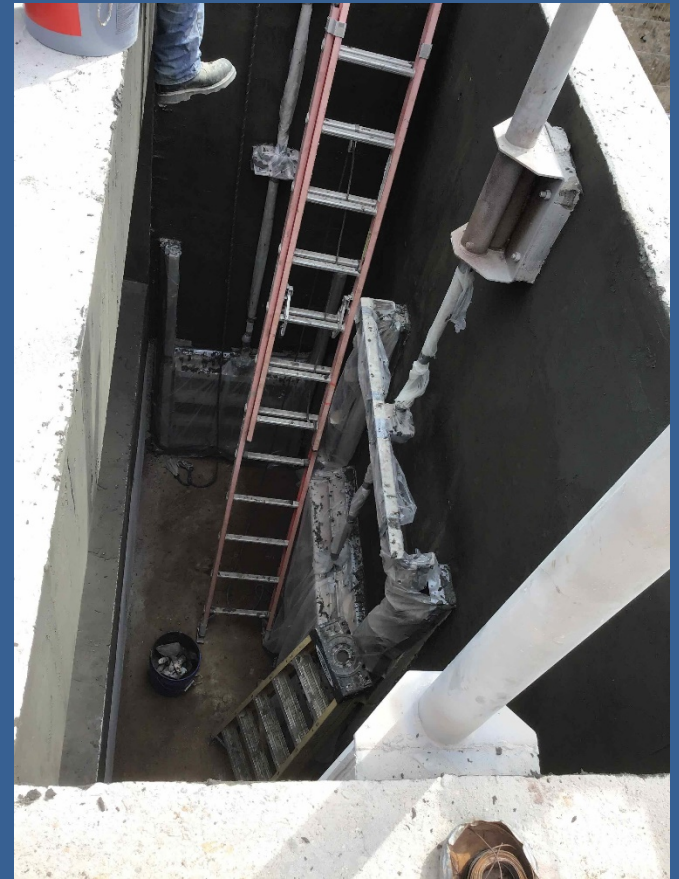
Work Completed Since Last Meeting



Gravity Thickener No. 2

Work Completed Since Last Meeting

Flow Meter Vault



Primary Clarifier Distribution Box

Work to be Completed in Coming Month

- Continue minor finish work at the Headworks Building
- Continue architectural, structural, mechanical process, HVAC, plumbing, and electrical construction in the Grit Building
- Continue installation and testing of process piping in the pipe gallery of the BAF Building
- Continue mechanical and electrical work in the BAF Building
- Continue hydrostatic testing of BAF effluent channels
- Continue installation of stairs in the BAF Building
- Continue masonry work at the BAF Building
- Begin delivery and installation of filter media at the BAF Building



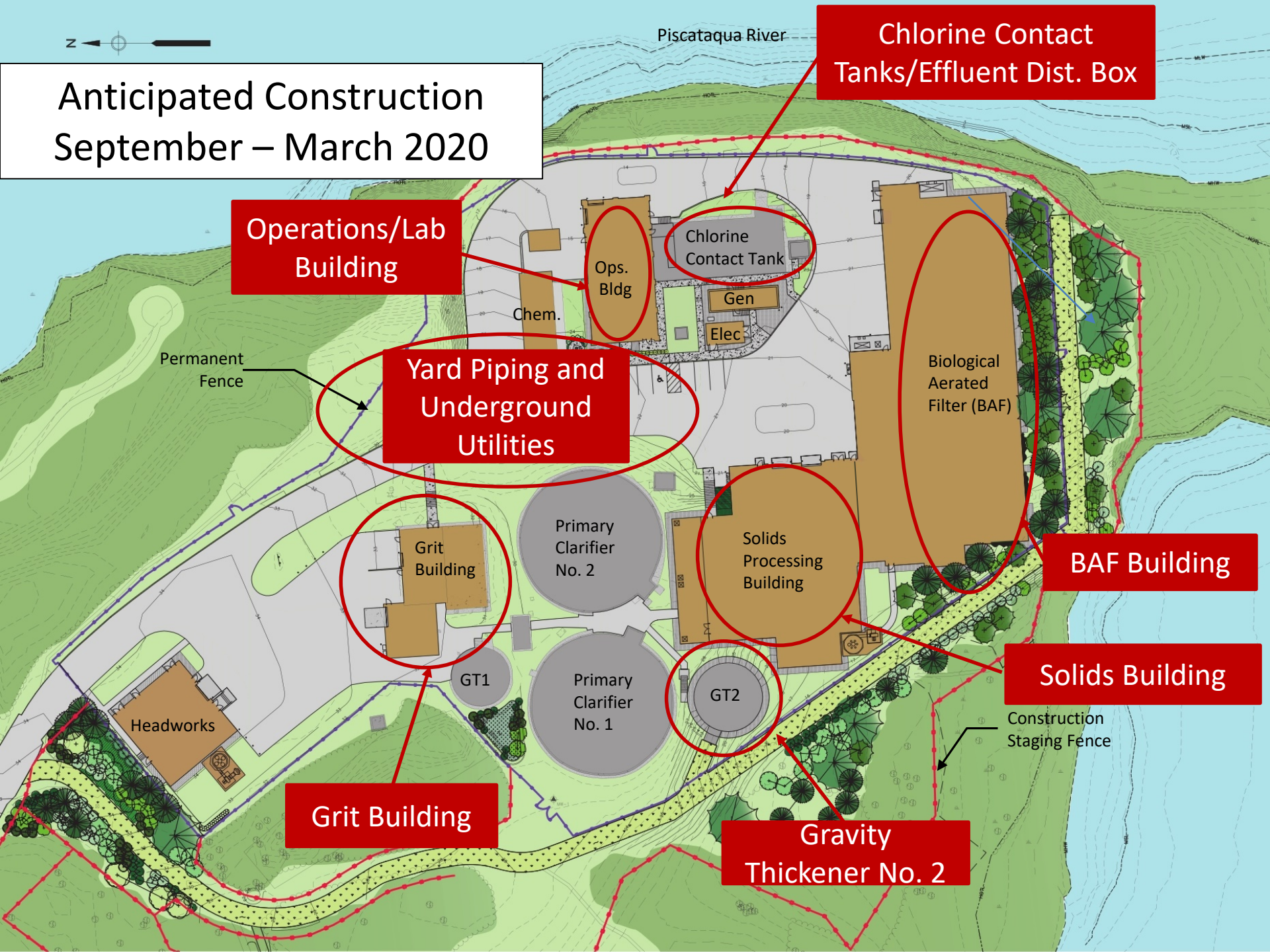
Work to be Completed in Coming Month, Cont.

- Continue installation, testing, and startup of equipment and process piping in the Solids Building
- Continue electrical, HVAC and plumbing work in Solids Building
- Continue underground piping installation between the Grit Building, Solids Building, and BAF Building
- Continue installation of Gravity Thickener No. 2 mechanism
- Continue temporary equipment relocation and selective demolition in the existing Sludge Processing Building
- Begin PCB abatement in the existing Sludge Processing Building





Anticipated Construction
September – March 2020



Chlorine Contact
Tanks/Effluent Dist. Box

Operations/Lab
Building

Ops.
Bldg

Chlorine
Contact Tank

Gen

Elec

Chem.

Permanent
Fence

Yard Piping and
Underground
Utilities

Biological
Aerated
Filter (BAF)

Primary
Clarifier
No. 2

Grit
Building

Solids
Processing
Building

BAF Building

Solids Building

Construction
Staging Fence

Primary
Clarifier
No. 1

GT1

GT2

Grit Building

Gravity
Thickener No. 2

Headworks

Project Construction Costs

- 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
 - Change Order No. 5: \$0.250 million
 - Change Order No. 6: \$0.292 million
 - Change Order No. 7: \$0.169 million
- Total Contract: \$74.667 million



Consent Decree Schedule

Milestone	Date	Status
Execute Contract to Construct Upgrades	September 1, 2016	Complete
Submit Two Additional Milestones for EPA Review and Approval	December 1, 2016	Complete
Additional Milestone 1: Transfer of the existing SCADA system to the new Headworks Building	November 21, 2017	Complete
Additional Milestone 2: Startup and testing of the Secondary Influent Pump Station in the new Solids Building	May 9, 2019	Complete
BAF Substantial Completion	December 1, 2019	On Schedule
Achieve Compliance with NPDES Permit Limits	April 1, 2020	On Schedule



Events and Recreation

- Upcoming
 - Friends of the South End Fairy House Tour
 - Alzheimer's Association Annual Seacoast Walk to End Alzheimer's
 - Strawberry Banke Events





Public Input / Comments / Concerns

Next Meeting

- Public Construction Meeting
 - Next Meeting: October 16, 2019, 11:00 AM

