



Peirce Island WWTF Upgrade Construction
Public Information Meeting
October 16, 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.





Piscataqua River

Areas of Ongoing Construction October 2019

Operations/ Lab Building

Ops. Bldg

Chlorine Contact Tank

Gen

Elec

Chem.

Permanent Fence

Yard Piping and Underground Utilities

Biological Aerated Filter (BAF)

Grit Building

Primary Clarifier No. 2

Solids Processing Building

BAF Building

Solids Building

Headworks

Grit Building

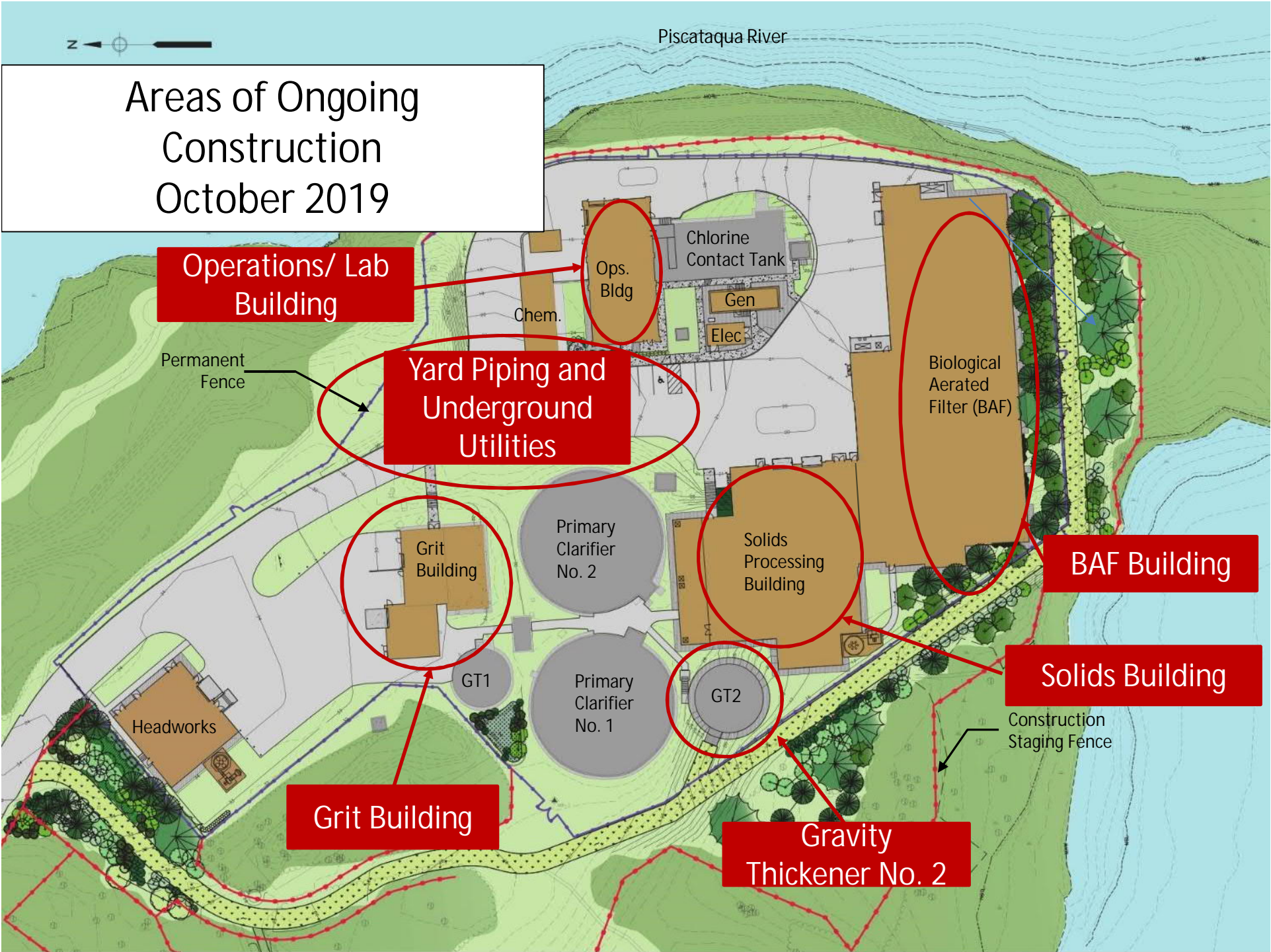
GT1

Primary Clarifier No. 1

GT2

Gravity Thickener No. 2

Construction Staging Fence



Site Overview November 2016



October 16, 2019



Peirce Island WWTF Upgrade Construction

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Work Completed Since Last Meeting



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Peirce Island WWTF Upgrade Construction

Work Completed Since Last Meeting



Yard Piping & Utilities

October 16, 2019



Peirce Island WWTF Upgrade Construction

Work Completed Since Last Meeting



Grit Building



Work Completed Since Last Meeting



BAF Building



Work Completed Since Last Meeting



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Peirce Island WWTF Upgrade Construction

BAF Building

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Work Completed Since Last Meeting



BAF Building



Work Completed Since Last Meeting



BAF Building

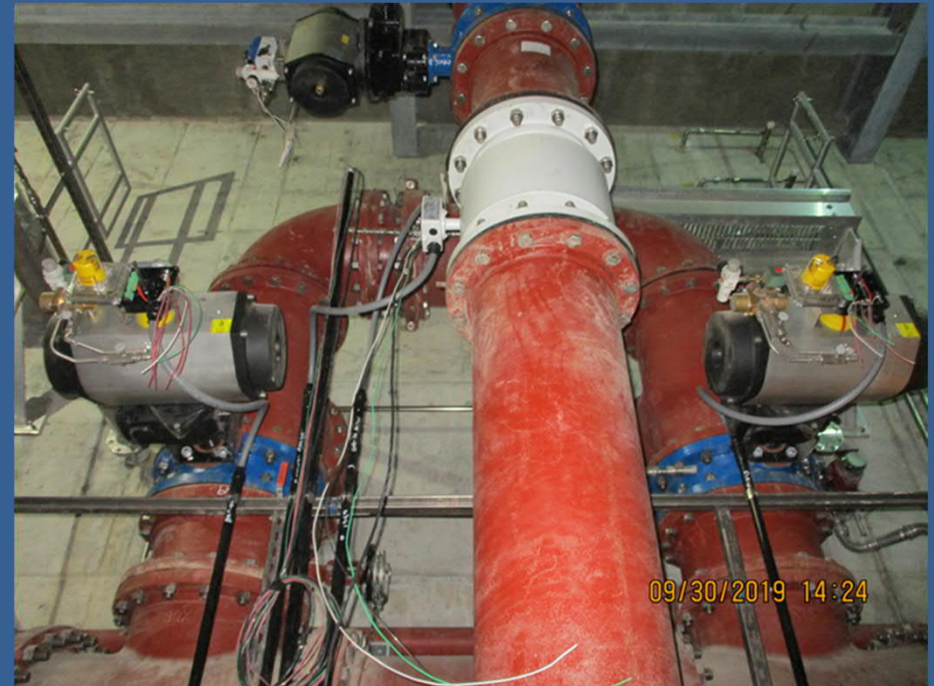
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Peirce Island WWTF Upgrade Construction

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Work Completed Since Last Meeting



BAF Building

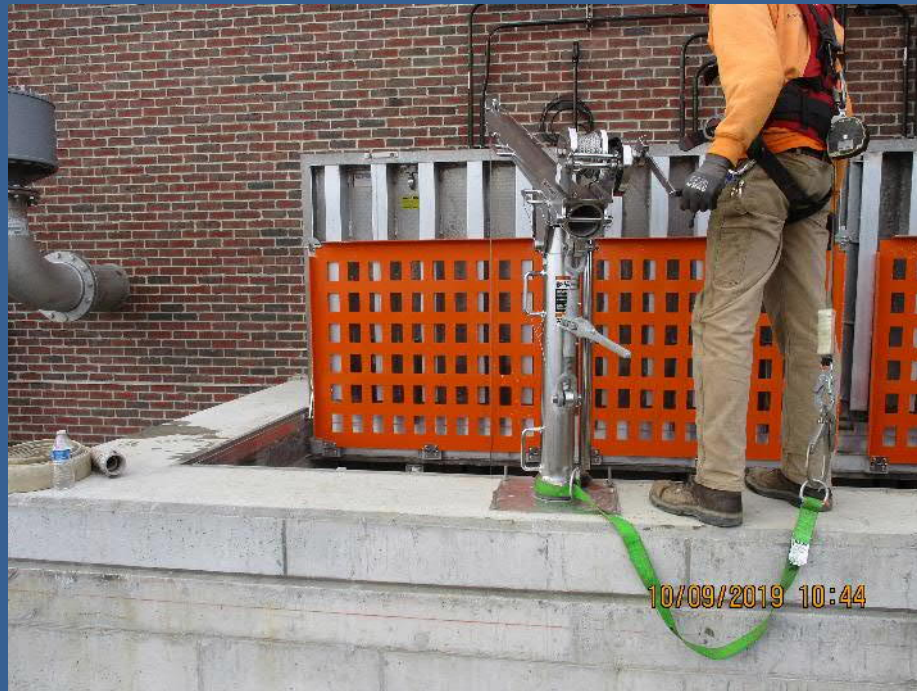
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Peirce Island WWTF Upgrade Construction

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Work Completed Since Last Meeting



BAF Building

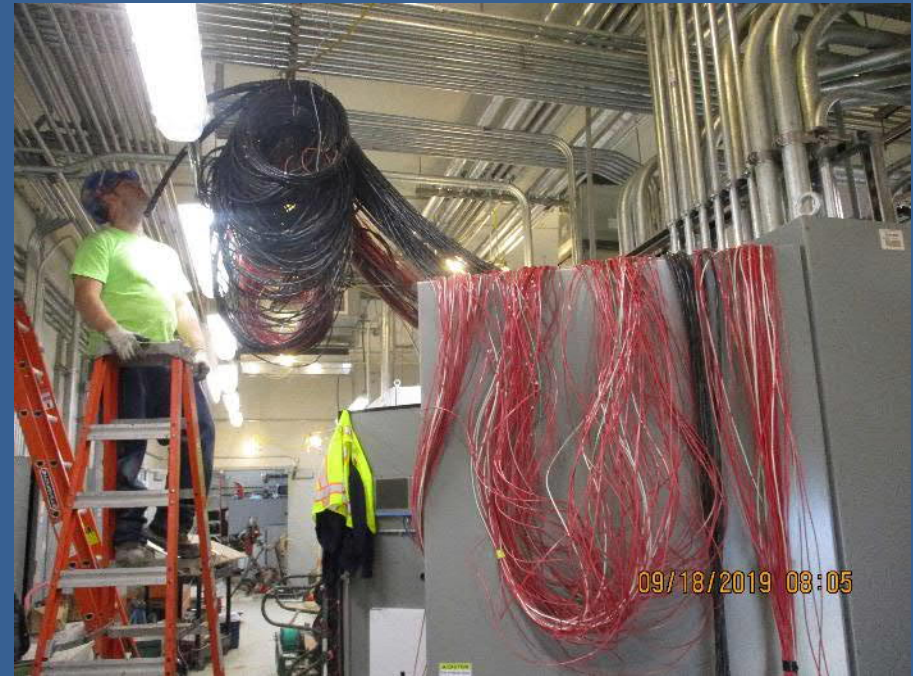
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Peirce Island WWTF Upgrade Construction

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Work Completed Since Last Meeting



BAF Building

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Work Completed Since Last Meeting



Solids Building



Work Completed Since Last Meeting



Solids Building

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Work Completed Since Last Meeting



Ops/Lab Building



Work Completed Since Last Meeting



Ops/Lab Building

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Peirce Island WWTF Upgrade Construction

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Work Completed Since Last Meeting



Gravity Thickener No. 2



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 installation of stairs in the BAF Building
- Begin checkout and startup of valves and equipment in the BAF Building
- Continue 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 selective demolition in the existing Sludge Processing Building
- Continue PCB abatement in the existing Sludge Processing Building





Piscataqua River

Anticipated Construction
October – April 2020

Operations/Lab Building

Ops. Bldg

Chlorine Contact Tank

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Permanent Fence

Yard Piping and Underground Utilities

Biological Aerated Filter (BAF)

Grit Building

Primary Clarifier No. 2

Solids Processing Building

BAF Building

Solids Building

Headworks

GT1

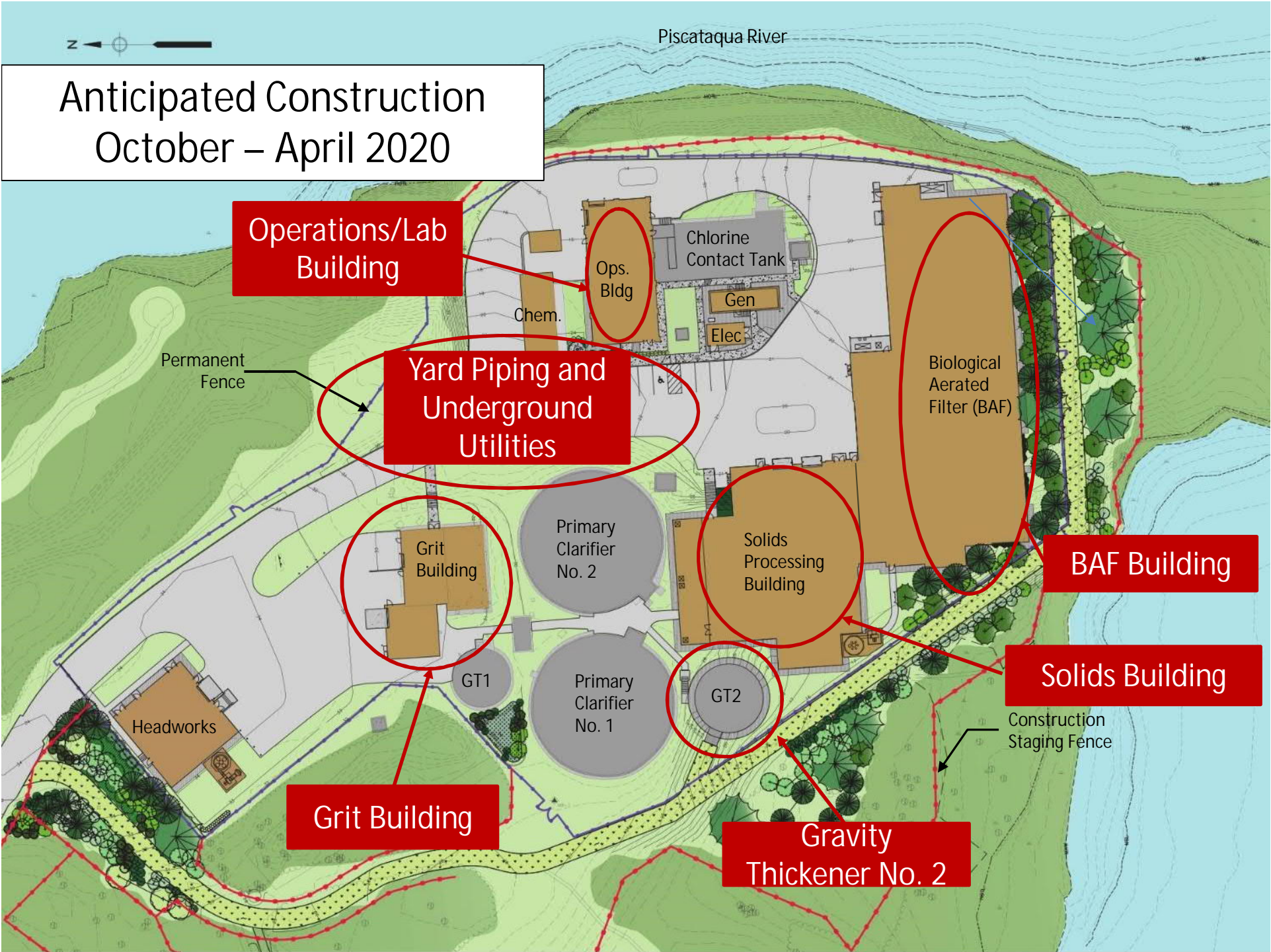
Primary Clarifier No. 1

GT2

Construction Staging Fence

Grit Building

Gravity Thickener No. 2



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
 - Portsmouth Halloween Parade
 - Strawberry Banke Events





Public Input / Comments / Concerns

Next Meeting

- Public Construction Meeting
 - Next Meeting: November 20, 2019, 11:00 AM

