



Peirce Island WWTF Upgrade Construction
Public Information Meeting
November 18, 2020

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
- Project Schedule
- Events & Recreation
- Public Input/Comments/Concerns
- Next Meeting



Introductions

- City Staff:

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

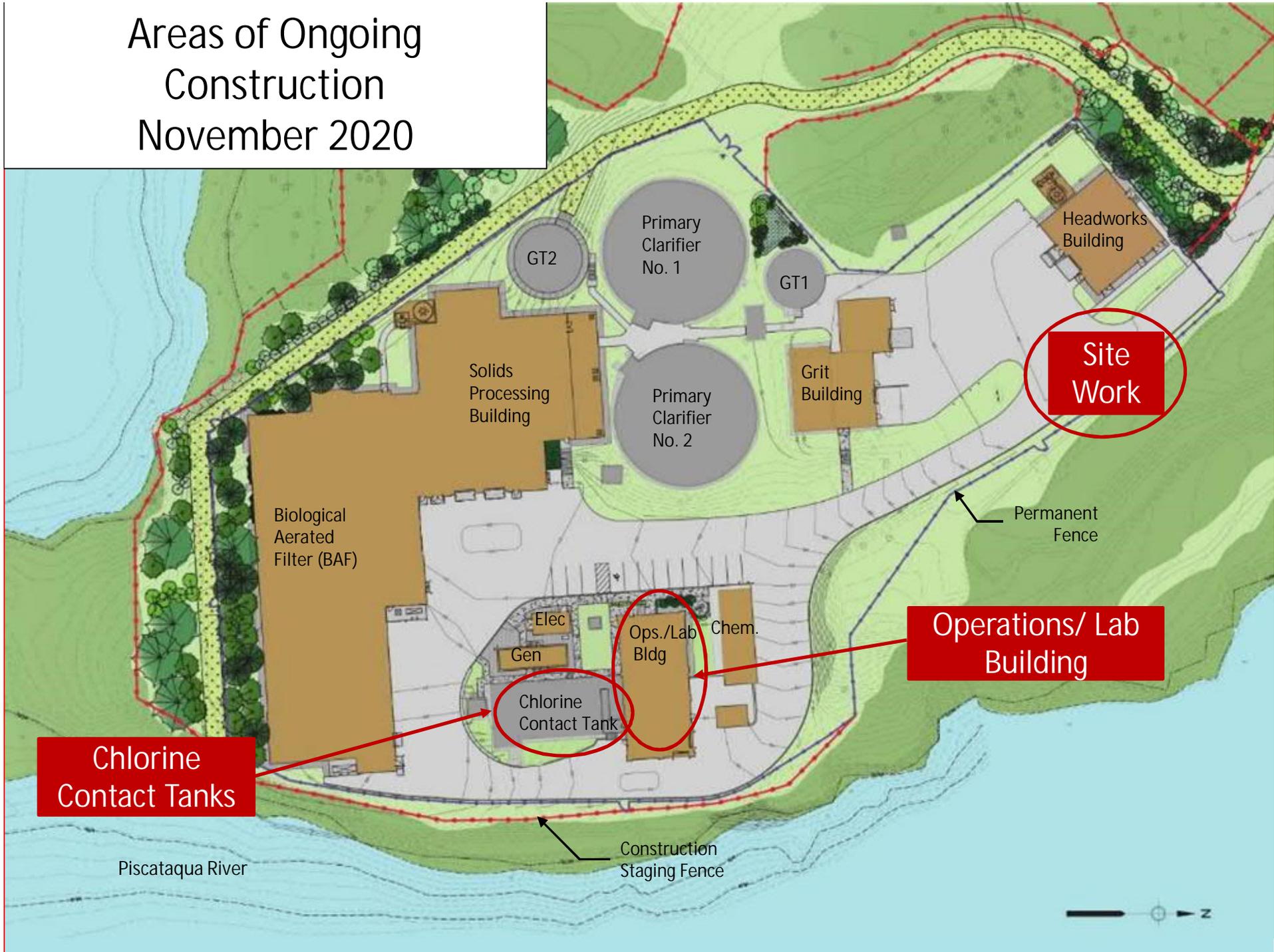
- Website:

<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 November 2020



Site Overview November 2016



November 18, 2020



Peirce Island WWTF Upgrade Construction

Work Completed Since Last Meeting



Chlorine
Contact Tanks

Site Work

Operations/Lab
Building

November 18, 2020



Peirce Island WWTF Upgrade Construction

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Work Completed Since Last Meeting



Site Work



Work Completed Since Last Meeting



Site Work



Work Completed Since Last Meeting



Ops/Lab Building

November 18, 2020



Peirce Island WWTF Upgrade Construction

Work Completed Since Last Meeting



Ops/Lab Building



Work Completed Since Last Meeting



Ops/Lab Building



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

Work Completed Since Last Meeting



Ops/Lab Building

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Work Completed Since Last Meeting



Ops/Lab Building

November 18, 2020



Peirce Island WWTF Upgrade Construction

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Work Completed Since Last Meeting



Ops/Lab Building

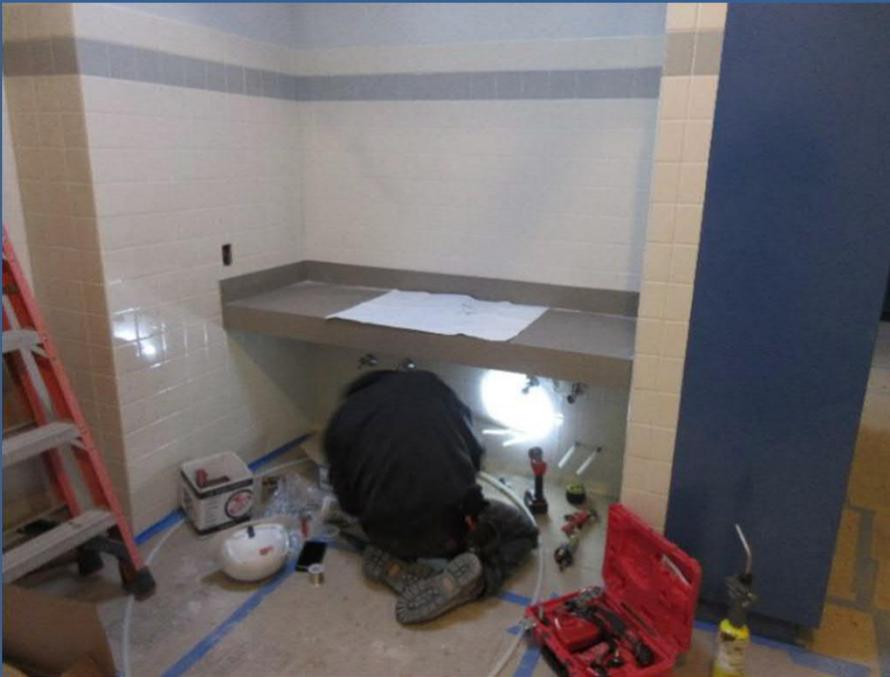
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Work Completed Since Last Meeting



Ops/Lab Building

November 18, 2020



Peirce Island WWTF Upgrade Construction

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Work to be Completed in Coming Month

- Continue minor finish work at the Headworks Building, Grit Building, Solids Building, and BAF Building
- Continue optimization of the BAF Building process
- Continue integration of the BAF control system with the plant's SCADA system
- Continue installation of laboratory casework, laboratory flooring, and acoustic ceiling tiles at the Operations/Lab Building

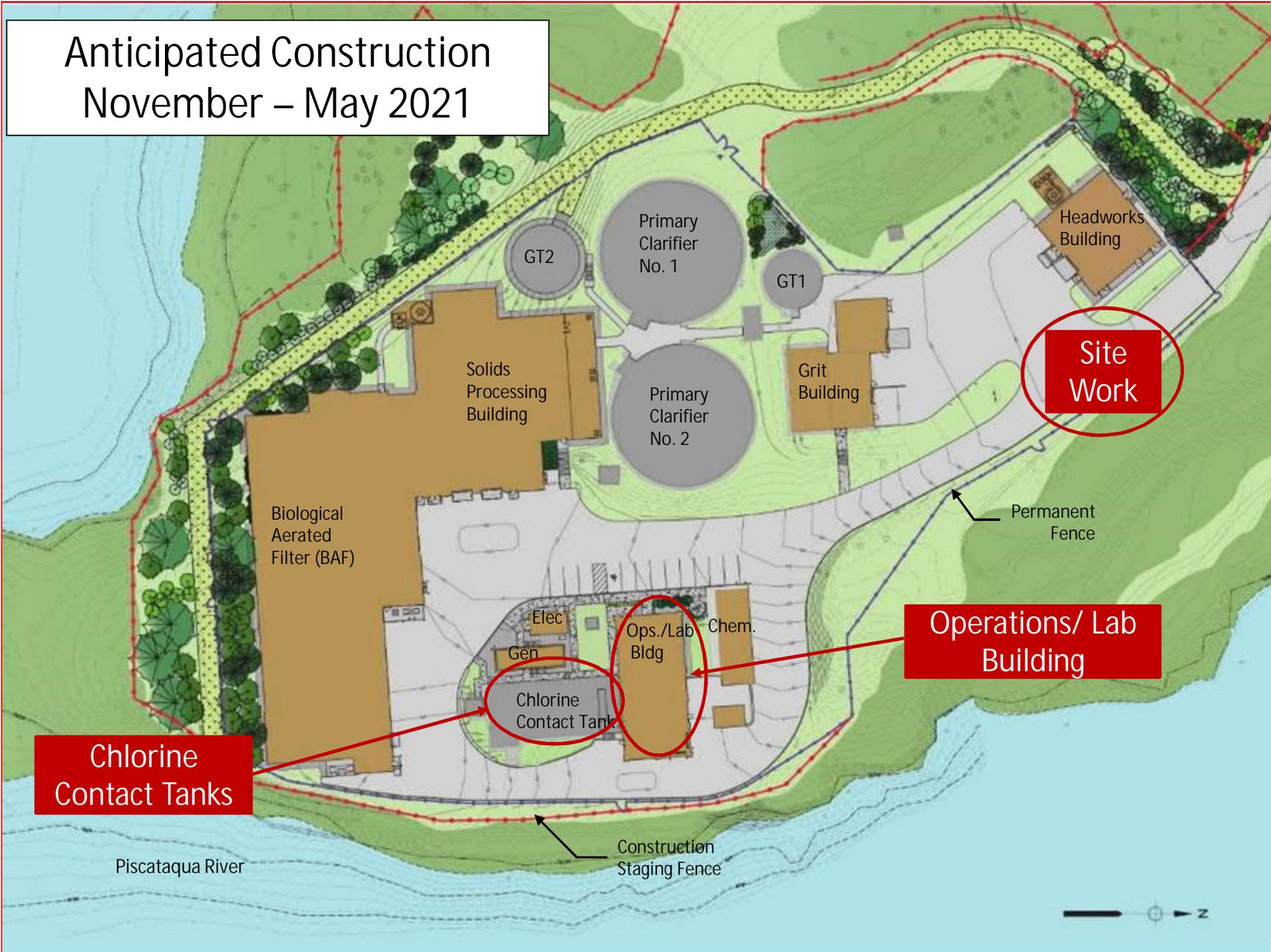


Work to be Completed in Coming Month

- Continue HVAC, plumbing, fire protection and electrical finish work in the Operations/Lab Building
- Continue chlorine analyzer work at the Chlorine Contact Tanks
- Continue site restoration



Anticipated Construction
November – May 2021



Site Work

Operations/ Lab Building

Chlorine Contact Tanks

GT2

Primary Clarifier No. 1

GT1

Headworks Building

Solids Processing Building

Primary Clarifier No. 2

Grit Building

Biological Aerated Filter (BAF)

Permanent Fence

Elec

Ops./Lab Bldg

Chem.

Gen

Chlorine Contact Tank

Piscataqua River

Construction Staging Fence



Project Construction Costs

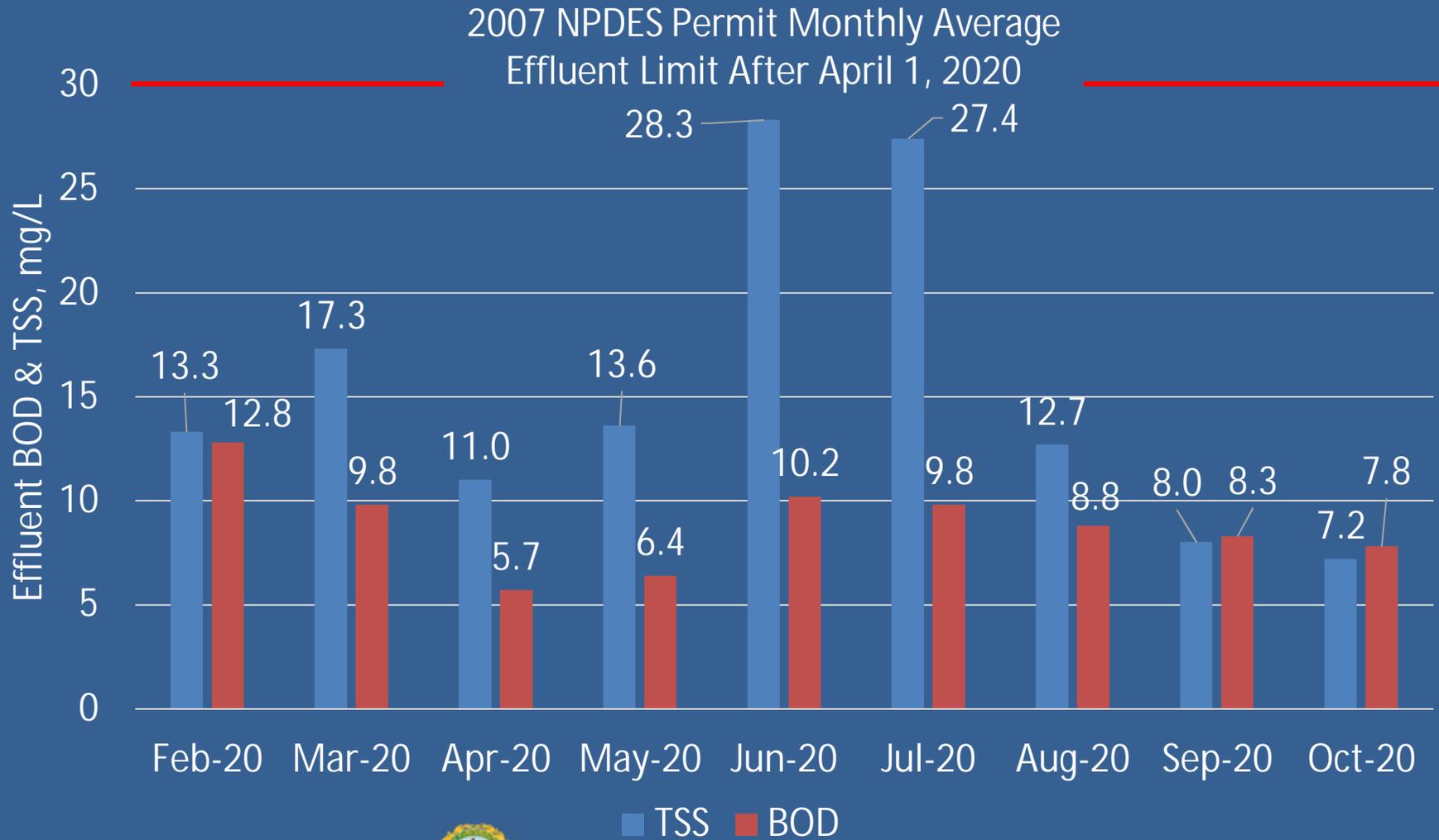
- Original Contract: \$72.786 million
- Change Order No. 1: \$0.367 million
- Change Order No. 2: \$0.547 million
- Change Order No. 3: \$0.093 million
- Change Order No. 4: \$0.163 million
- Change Order No. 5: \$0.250 million
- Change Order No. 6: \$0.292 million
- Change Order No. 7: \$0.169 million
- Change Order No. 8: \$0.113 million
- Change Order No. 9: \$0.242 million
- Change Order No. 10: \$0.123 million
- Total Contract: \$75.145 million



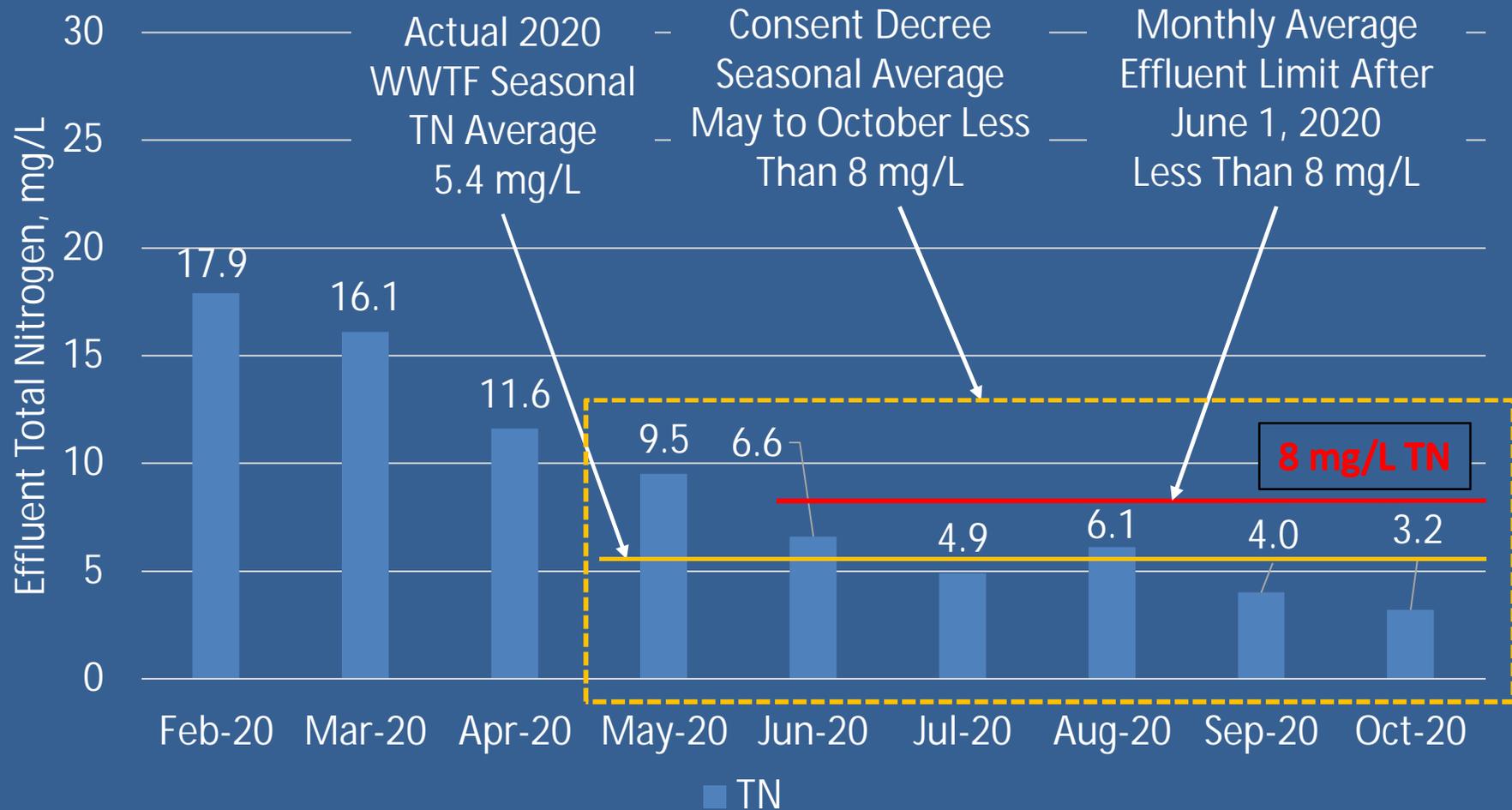
Project Schedule

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 December 31, 2019	Complete
Achieve Compliance with 2007 NPDES Permit Limits	April 1, 2020	Complete
Achieve Compliance with Consent Decree Total Nitrogen Limits	June 1, 2020	Complete
Project Substantial Completion	June 29, 2020 Tentatively Feb 13, 2021	In Progress
Project Final Completion	September 29, 2020 Tentatively May 22, 2021	In Progress

Effluent Results



Effluent Results

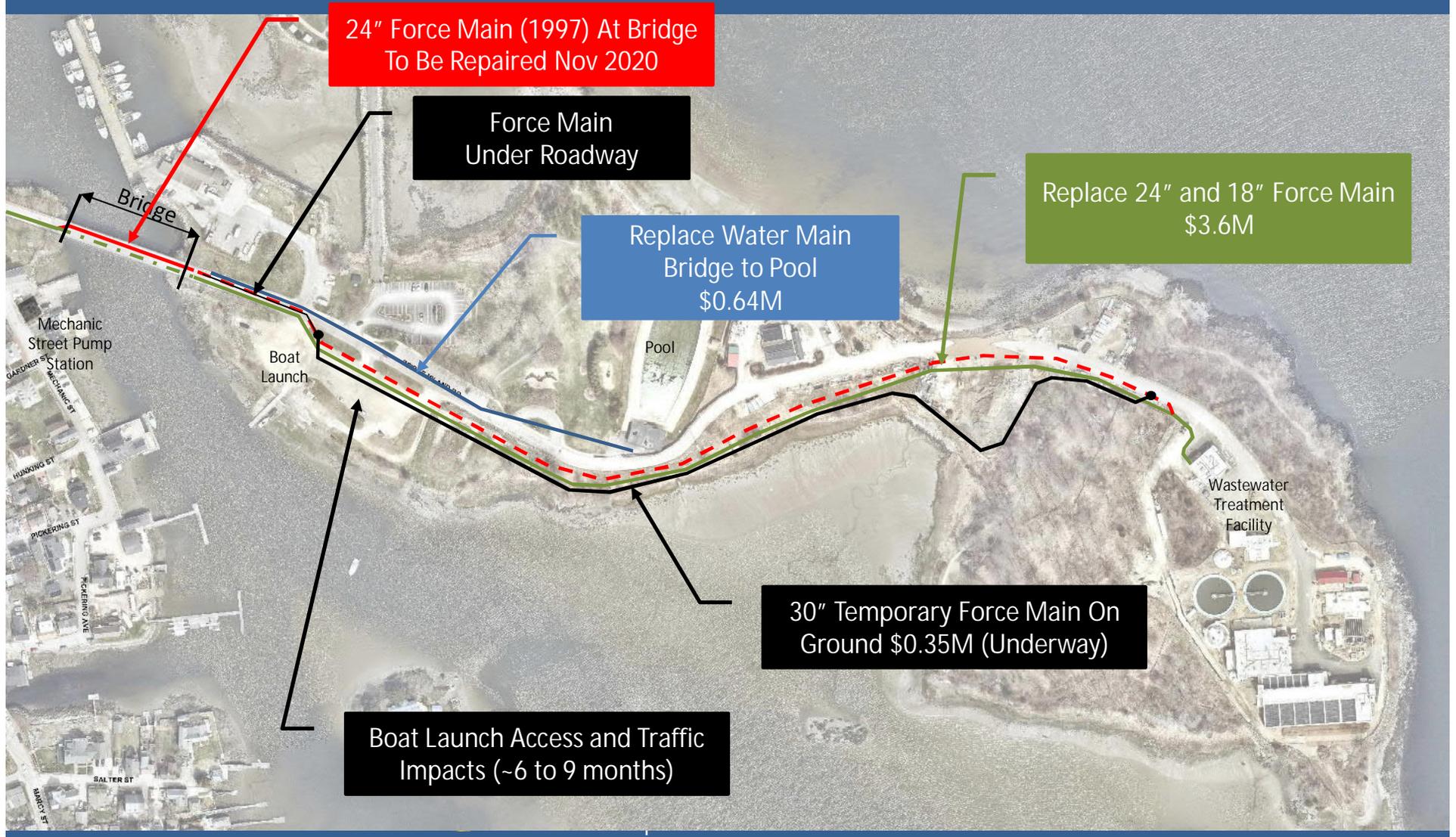


Events and Recreation

- Upcoming
 - No events scheduled.



Force Mains From Mechanic Street Wastewater Pump Station





Public Input / Comments / Concerns

Next Meeting

- Public Construction Meeting
 - Next Meeting: December 16, 2020, 11:00 AM

