



Peirce Island WWTF Upgrade Construction
Public Information Meeting
January 20, 2021

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
- Effluent Results
- Events & Recreation
- Force Main Update
- Public Input/Comments/Concerns
- Next Meeting



Introductions

- City Staff:

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

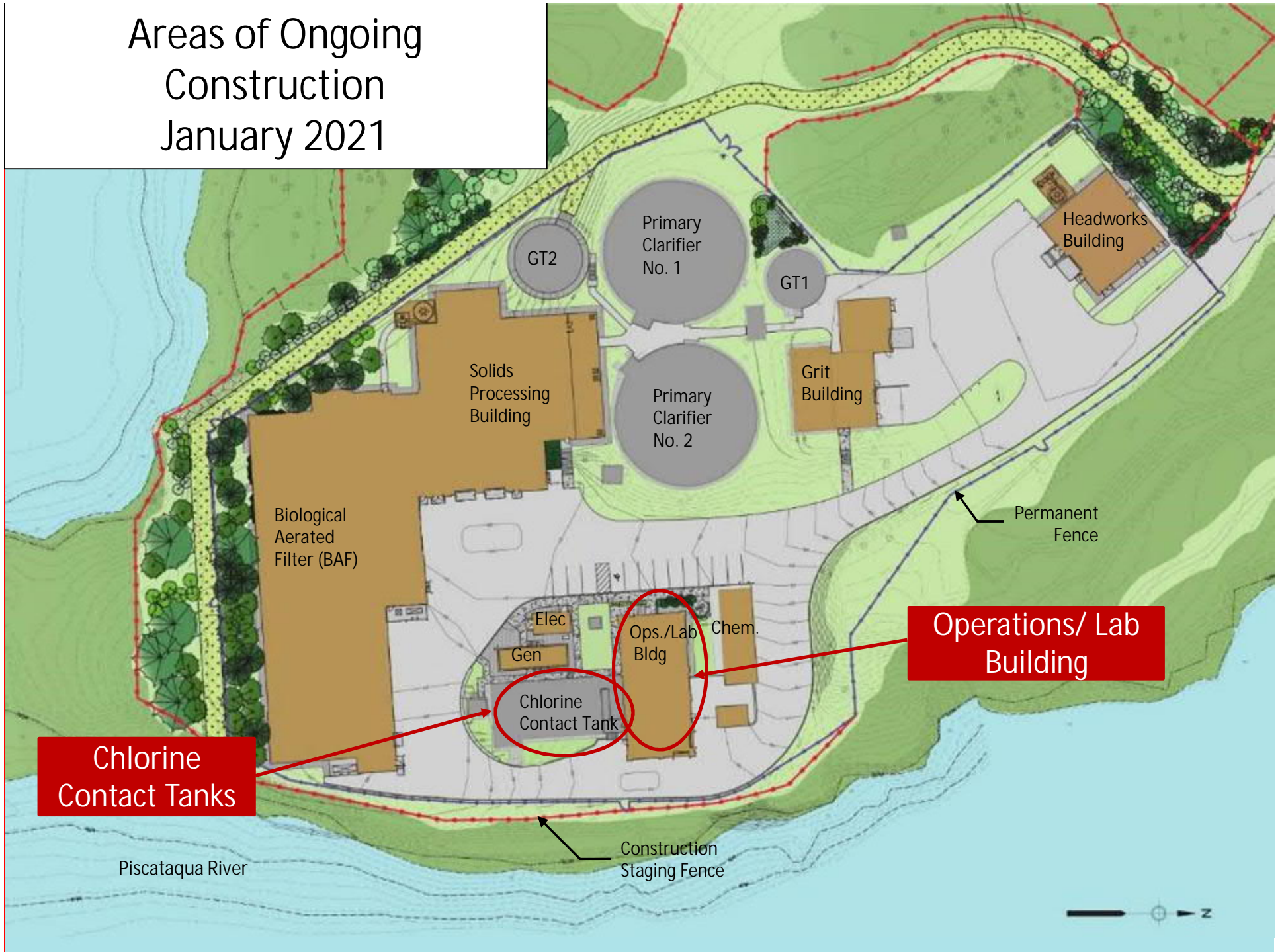
- Website:

<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 January 2021



Site Overview November 2016



January 20, 2021



Peirce Island WWTF Upgrade Construction

Work Completed Since Last Meeting



Chlorine
Contact Tanks

Operations/Lab
Building

January 20, 2021



Peirce Island WWTF Upgrade Construction

Work Completed Since Last Meeting



Ops/Lab Building

January 20, 2021



Peirce Island WWTF Upgrade Construction

Work Completed Since Last Meeting



Ops/Lab Building

January 20, 2021



Peirce Island WWTF Upgrade Construction

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



Ops/Lab Building

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Work Completed Since Last Meeting



Ops/Lab Building

January 20, 2021



Peirce Island WWTF Upgrade Construction

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Work Completed Since Last Meeting



Ops/Lab Building

January 20, 2021



Peirce Island WWTF Upgrade Construction

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Work Completed Since Last Meeting



Ops/Lab Building



Work Completed Since Last Meeting



Chlorine Contact Tanks



Work to be Completed in Coming Month

- Continue minor finish work at the 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
- Complete installation of architectural finishes, laboratory equipment, laboratory wiremold, and acoustic ceiling tiles at the Operations/Lab Building

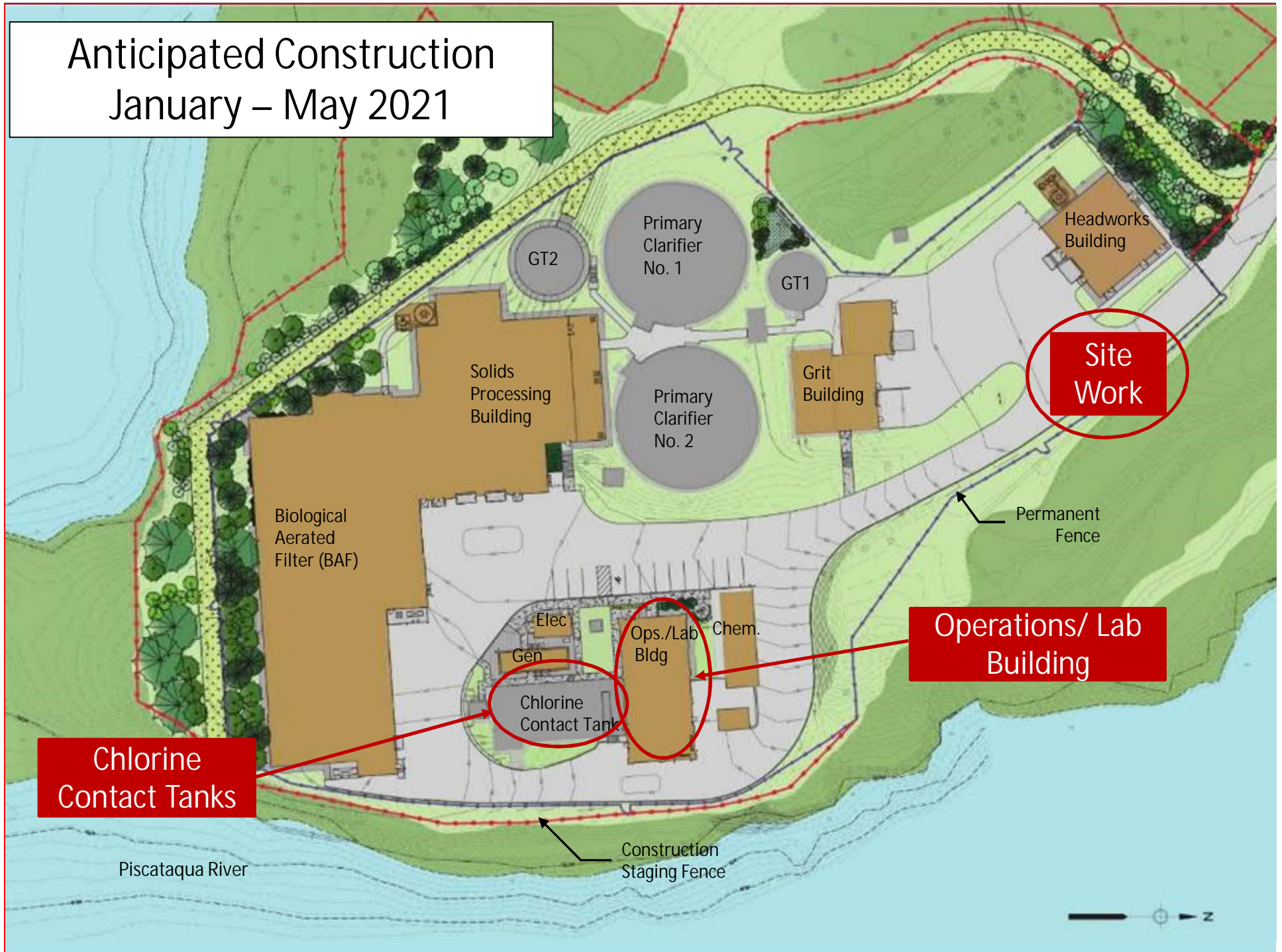


Work to be Completed in Coming Month

- 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 cleanup, removal of materials and equipment, and demobilization



Anticipated Construction
January – May 2021



Site Work

Operations/ Lab Building

Chlorine Contact Tanks

Piscataqua River

Construction Staging Fence

Permanent Fence

GT2

GT1

Primary Clarifier No. 1

Primary Clarifier No. 2

Solids Processing Building

Grit Building

Headworks Building

Biological Aerated Filter (BAF)

Elec

Gen

Ops./Lab Bldg

Chem.

Chlorine Contact Tank



Project Construction Costs

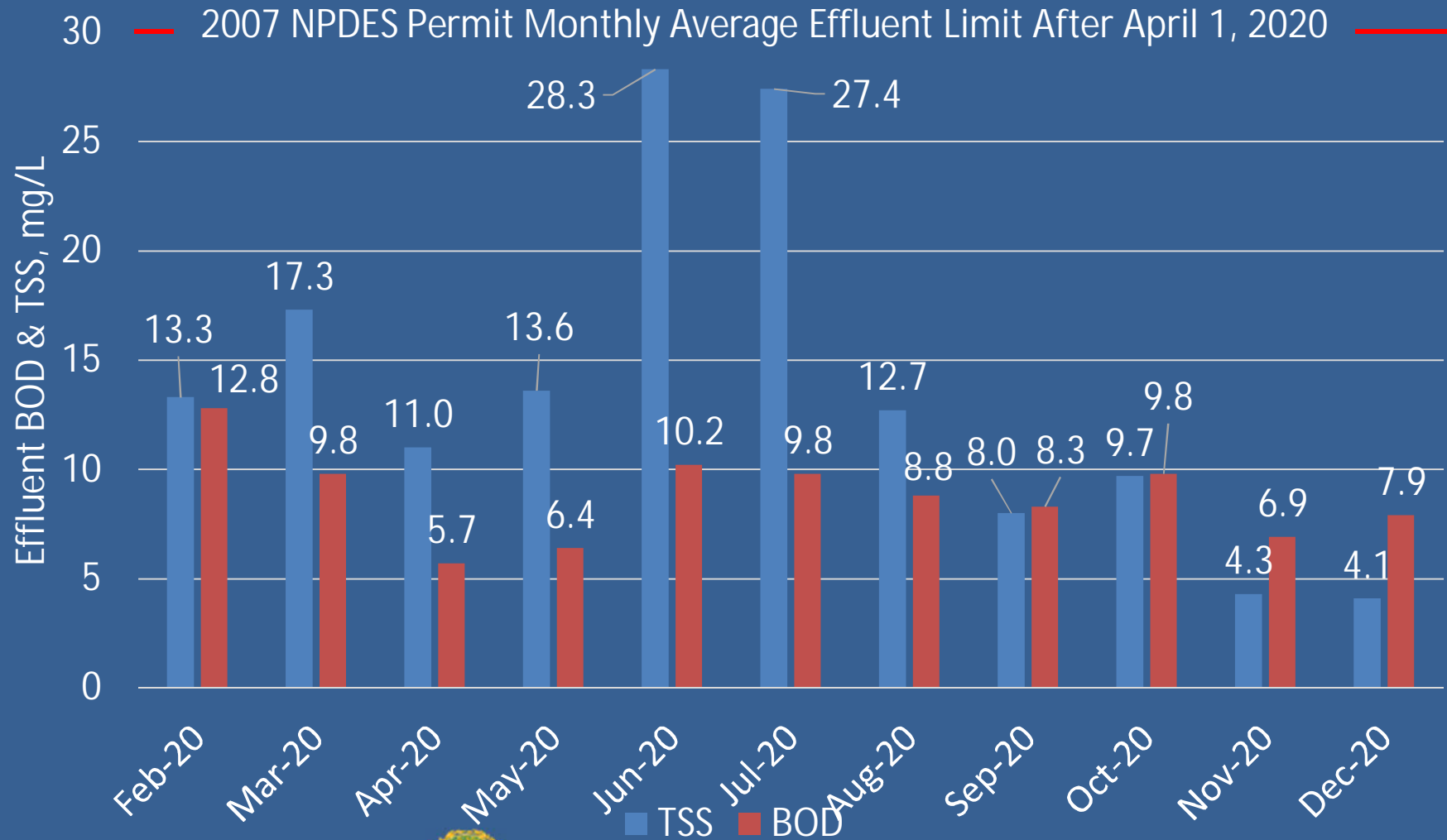
- Original Contract: \$72.786 million
 - Change Order No. 1: \$0.367 million
 - Change Order No. 2: \$0.547 million
 - Change Order No. 3: \$0.093 million
 - Change Order No. 4: \$0.163 million
 - Change Order No. 5: \$0.250 million
 - Change Order No. 6: \$0.292 million
 - Change Order No. 7: \$0.169 million
 - Change Order No. 8: \$0.113 million
 - Change Order No. 9: \$0.242 million
 - Change Order No. 10: \$0.123 million
 - Change Order No. 11: \$0.139 million
- Total Contract: \$75.284 million



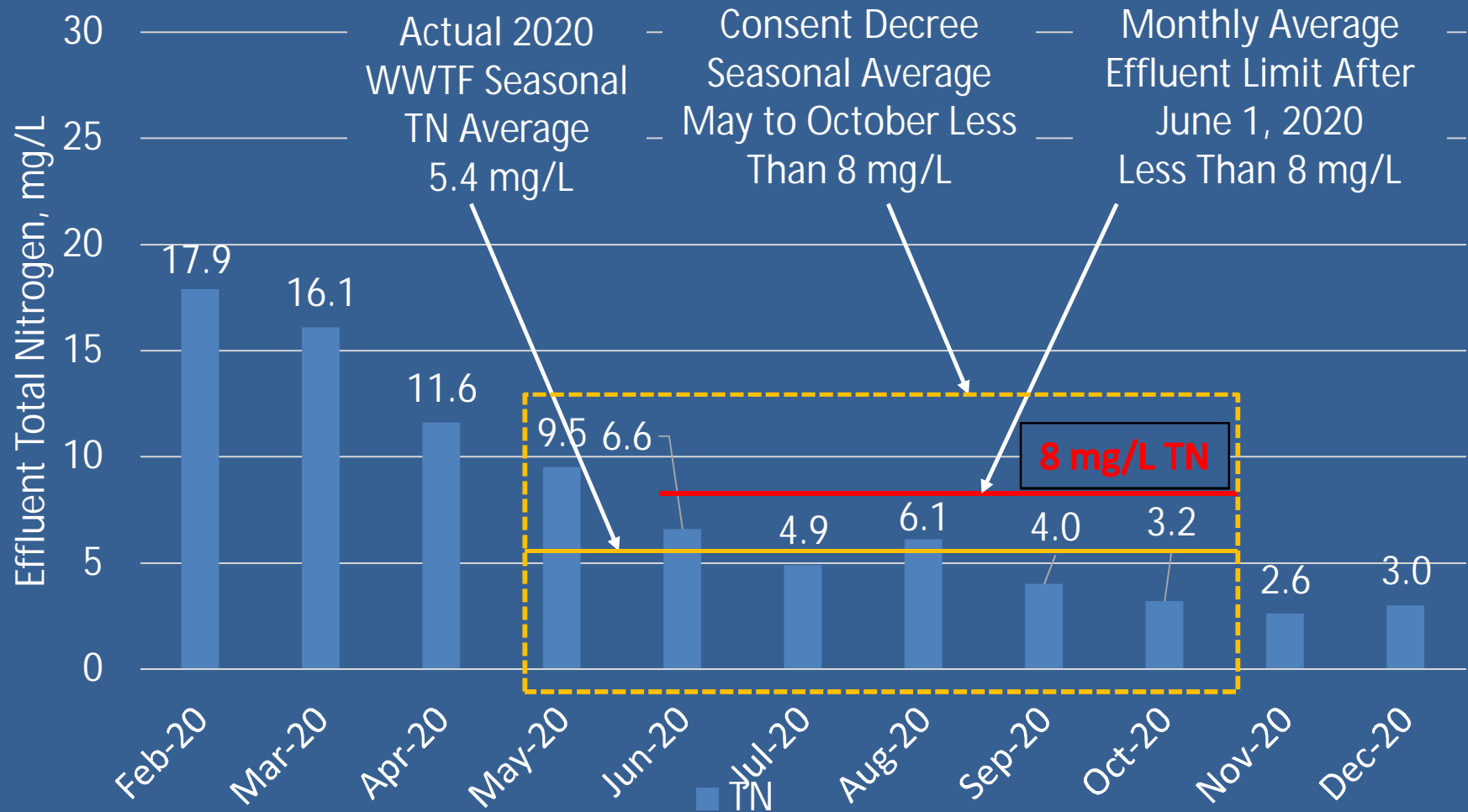
Project Schedule

| 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

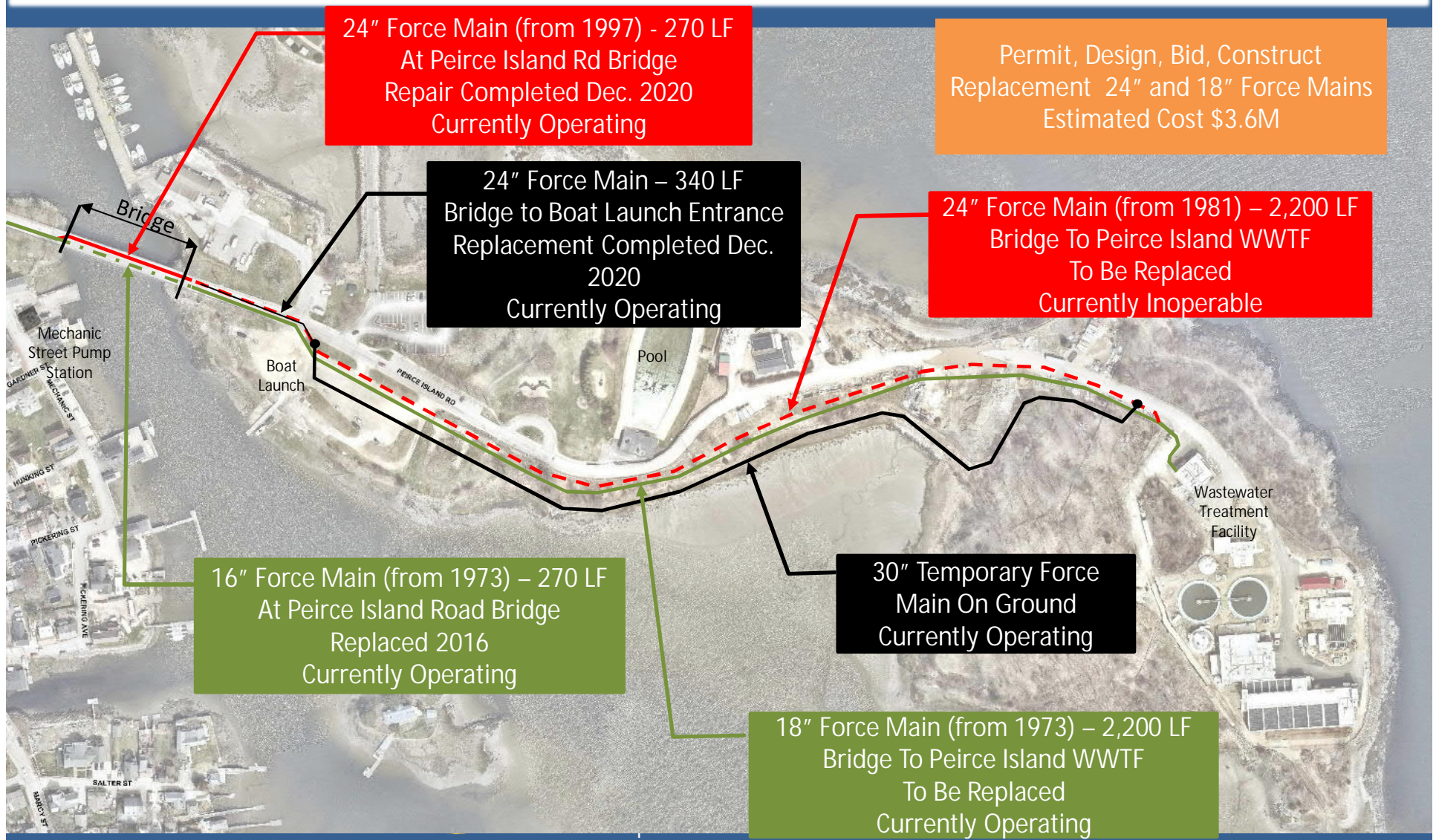


Events and Recreation

- Upcoming
 - No events scheduled.



\$3.6M Bond for Force Mains From Mechanic Street Wastewater Pump Station to Peirce Island WWTF





Public Input / Comments / Concerns

Next Meeting

- Public Construction Meeting
 - Next Meeting: February 17, 2021 11:00 AM

