



Peirce Island WWTF Upgrade Construction

Public Information Meeting

March 17, 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
 - Submit written comments/questions to: Terry Desmarais, City Engineer, 603-766-1421 , tldesmarais@cityofportsmouth.com

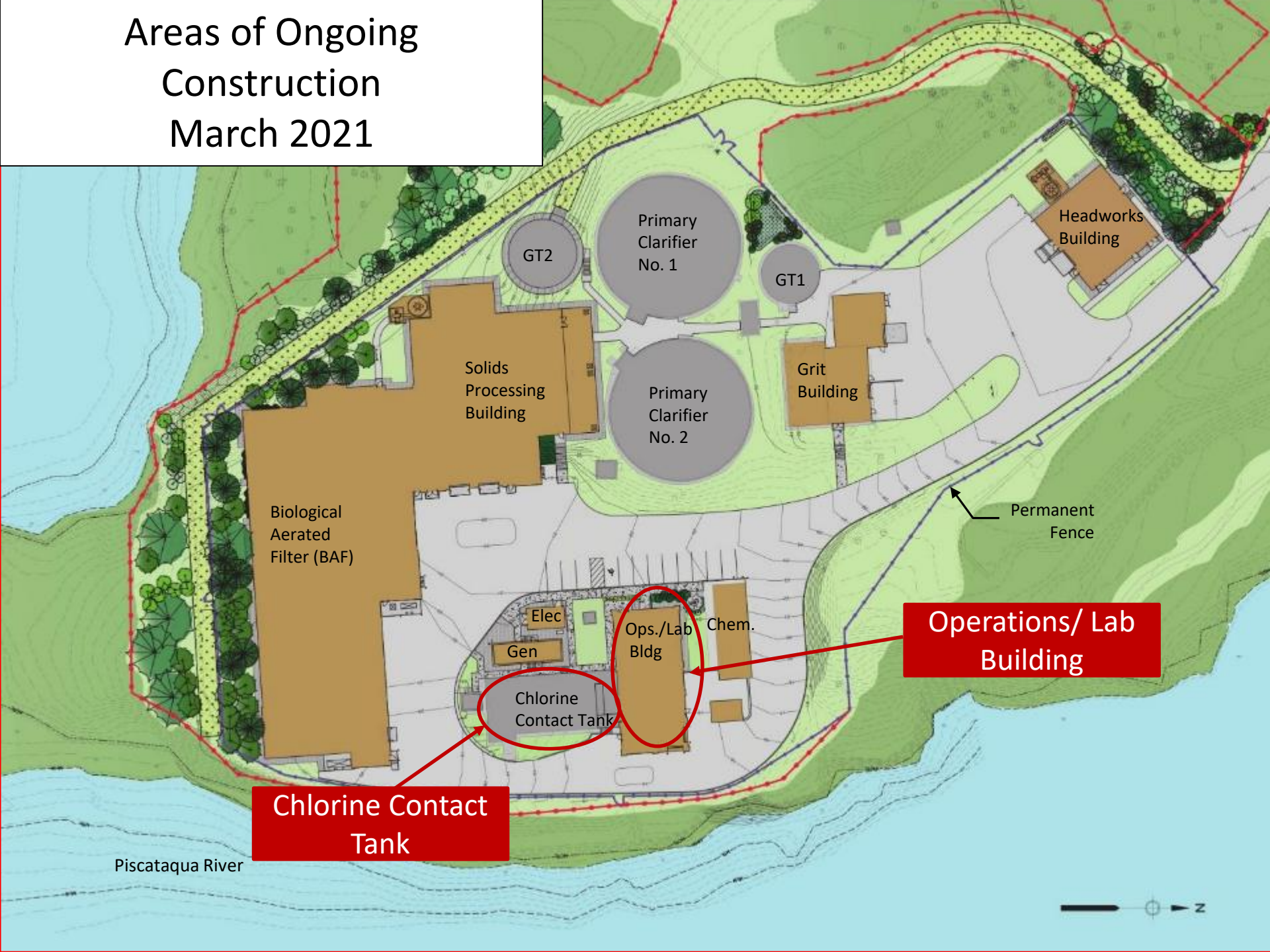
- Website:

<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 March 2021



GT2

Primary Clarifier No. 1

GT1

Headworks Building

Solids Processing Building

Primary Clarifier No. 2

Grit Building

Biological Aerated Filter (BAF)

Permanent Fence

Operations/ Lab Building

Elec

Ops./Lab Bldg

Chem.

Chlorine Contact Tank

Chlorine Contact Tank

Piscataqua River



Site Overview November 2016



Work Completed Since Last Meeting



Chlorine Contact Tank

Operations/Lab Building



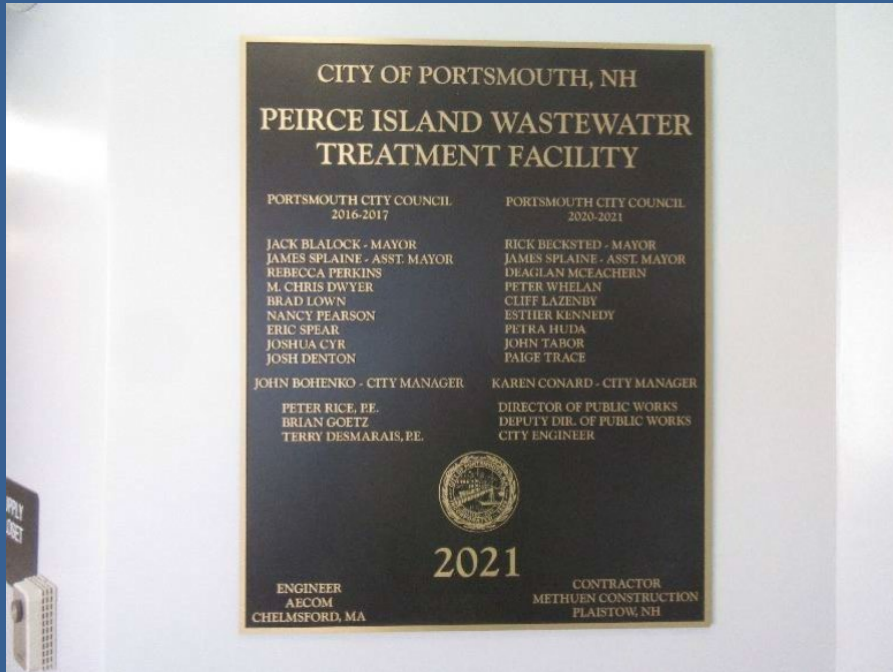
Work Completed Since Last Meeting



Ops/Lab Building



Work Completed Since Last Meeting



Ops/Lab Building



Work Completed Since Last Meeting



Ops/Lab Building



Work Completed Since Last Meeting



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

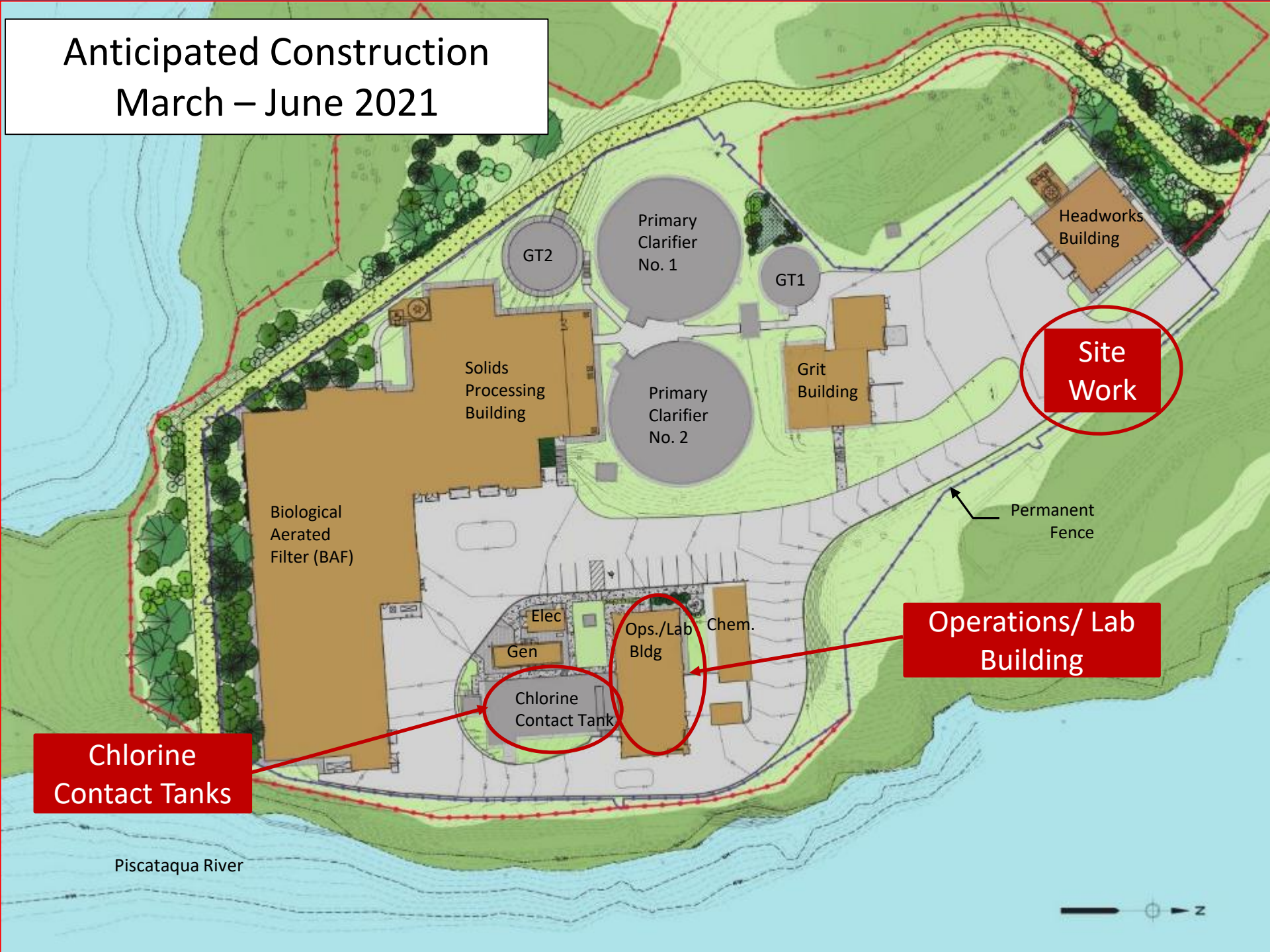


Work to be Completed in Coming Month

- 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
- Begin move of the WWTF Staff into New Operations/Lab Building



Anticipated Construction March – June 2021



Site Work

Operations/ Lab Building

Chlorine Contact Tanks

Piscataqua River



Project Construction Costs

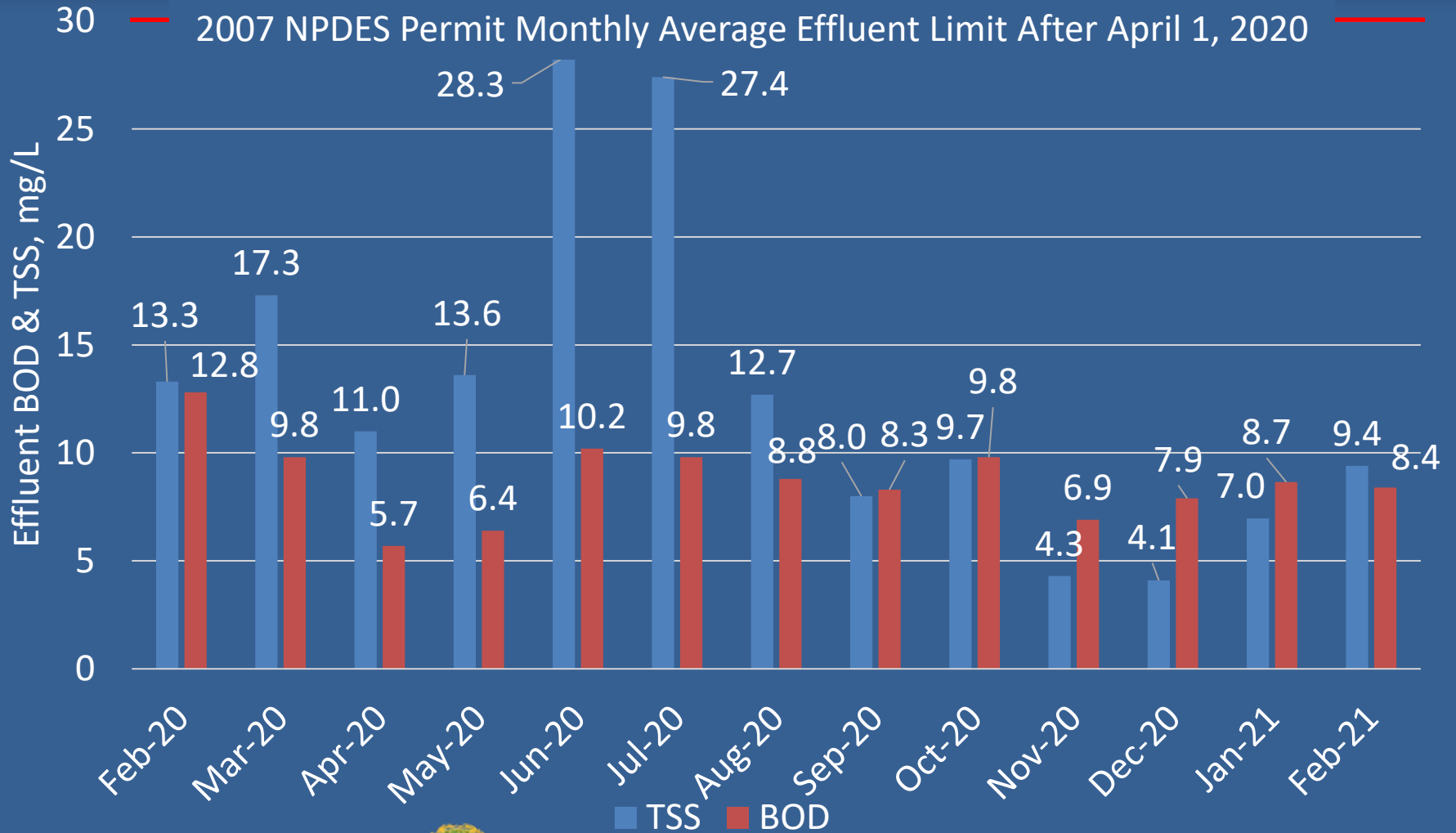
- Original Contract: \$72.786 million
 - Change Order No. 1: \$0.367 million
 - Change Order No. 2: \$0.547 million
 - Change Order No. 3: \$0.093 million
 - Change Order No. 4: \$0.163 million
 - Change Order No. 5: \$0.250 million
 - Change Order No. 6: \$0.292 million
 - Change Order No. 7: \$0.169 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



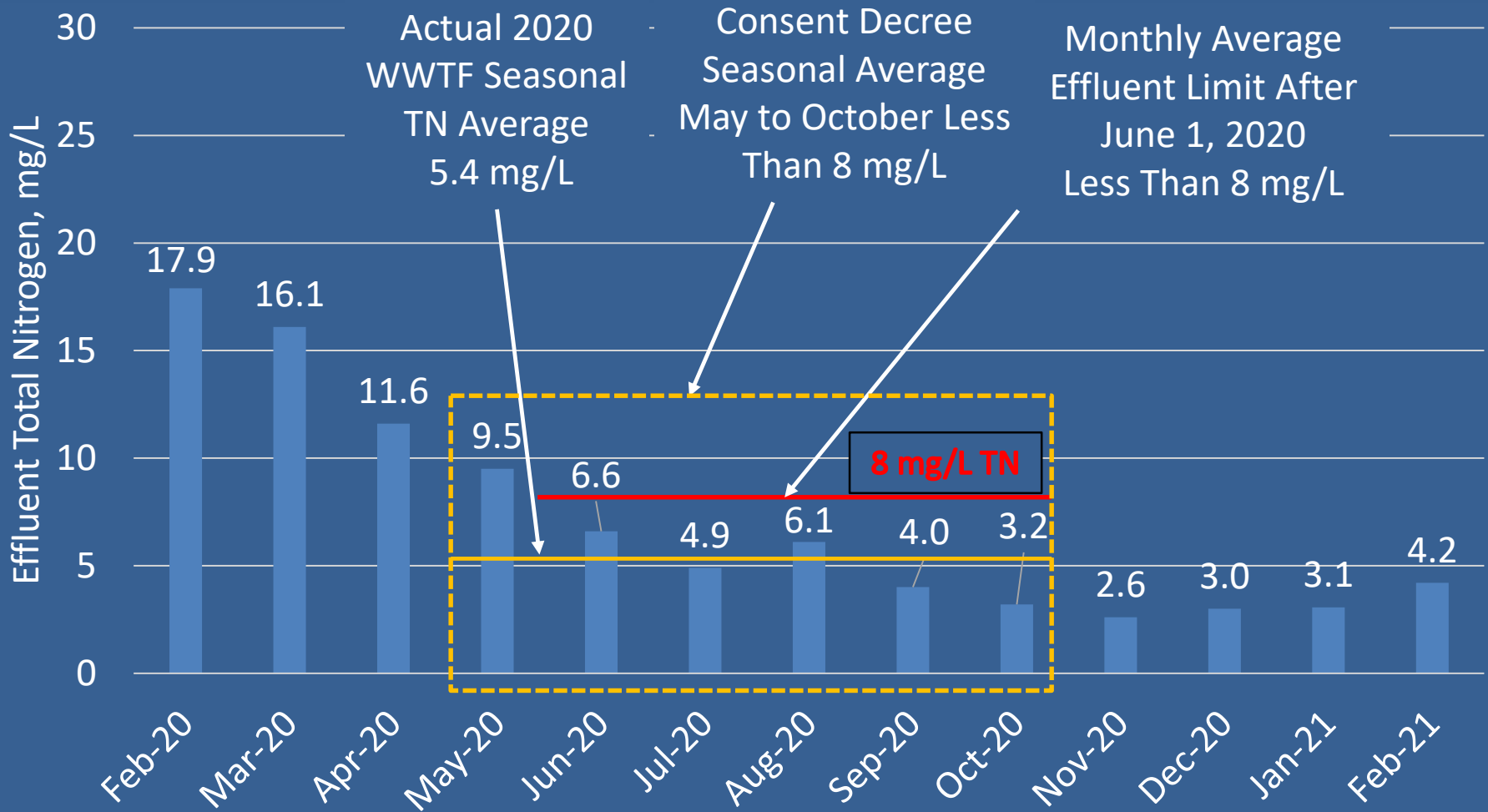
Project Schedule

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 March 30, 2021	In Progress
Project Final Completion	September 29, 2020 Tentatively June 3, 2021	In Progress

Effluent Results



Effluent Results

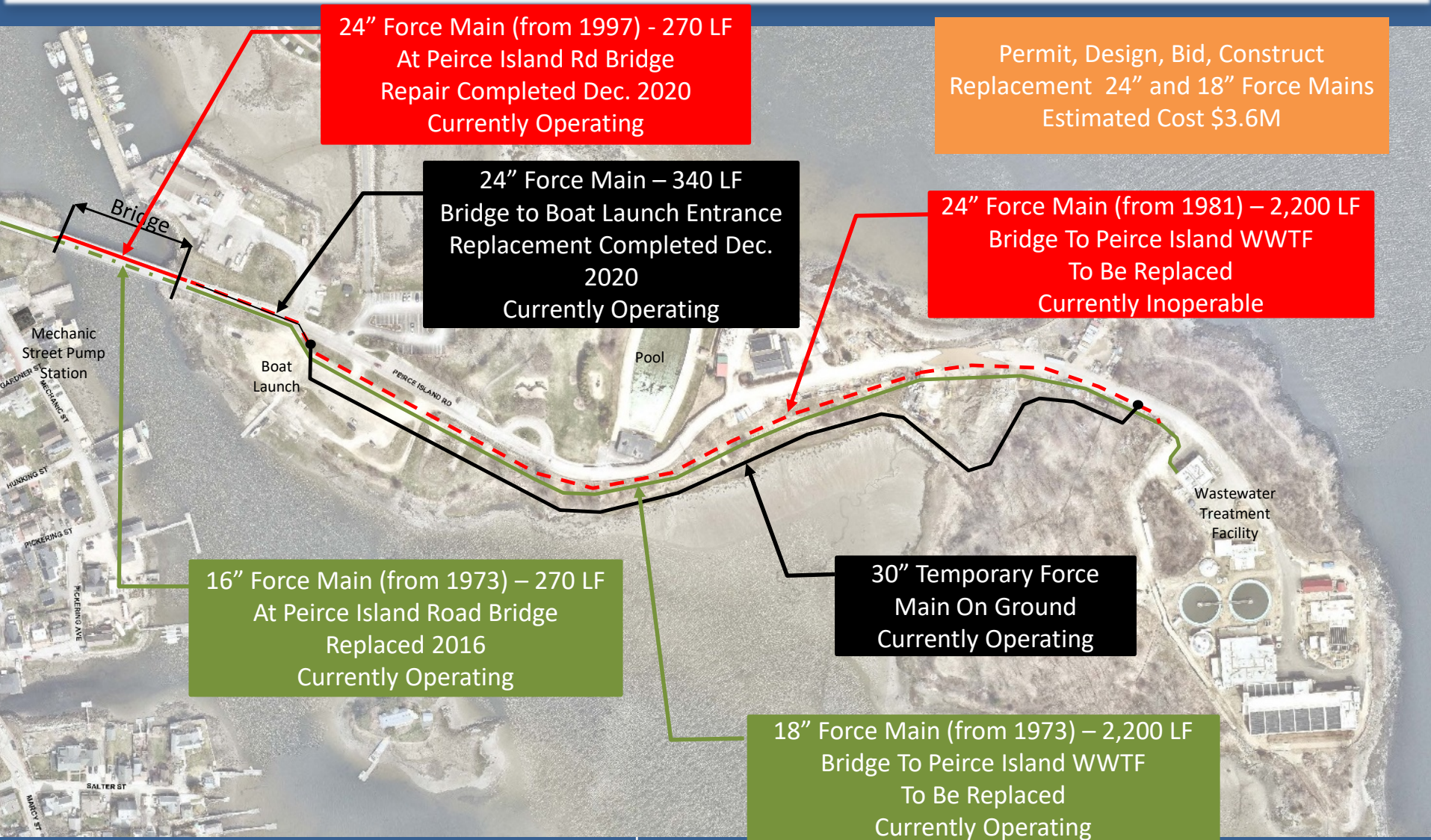


Events and Recreation

- 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: April 21, 2021 11:00 AM

