



Peirce Island WWTF Upgrade Construction  
Public Information Meeting  
December 16, 2020

# Topics of Discussion

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- 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

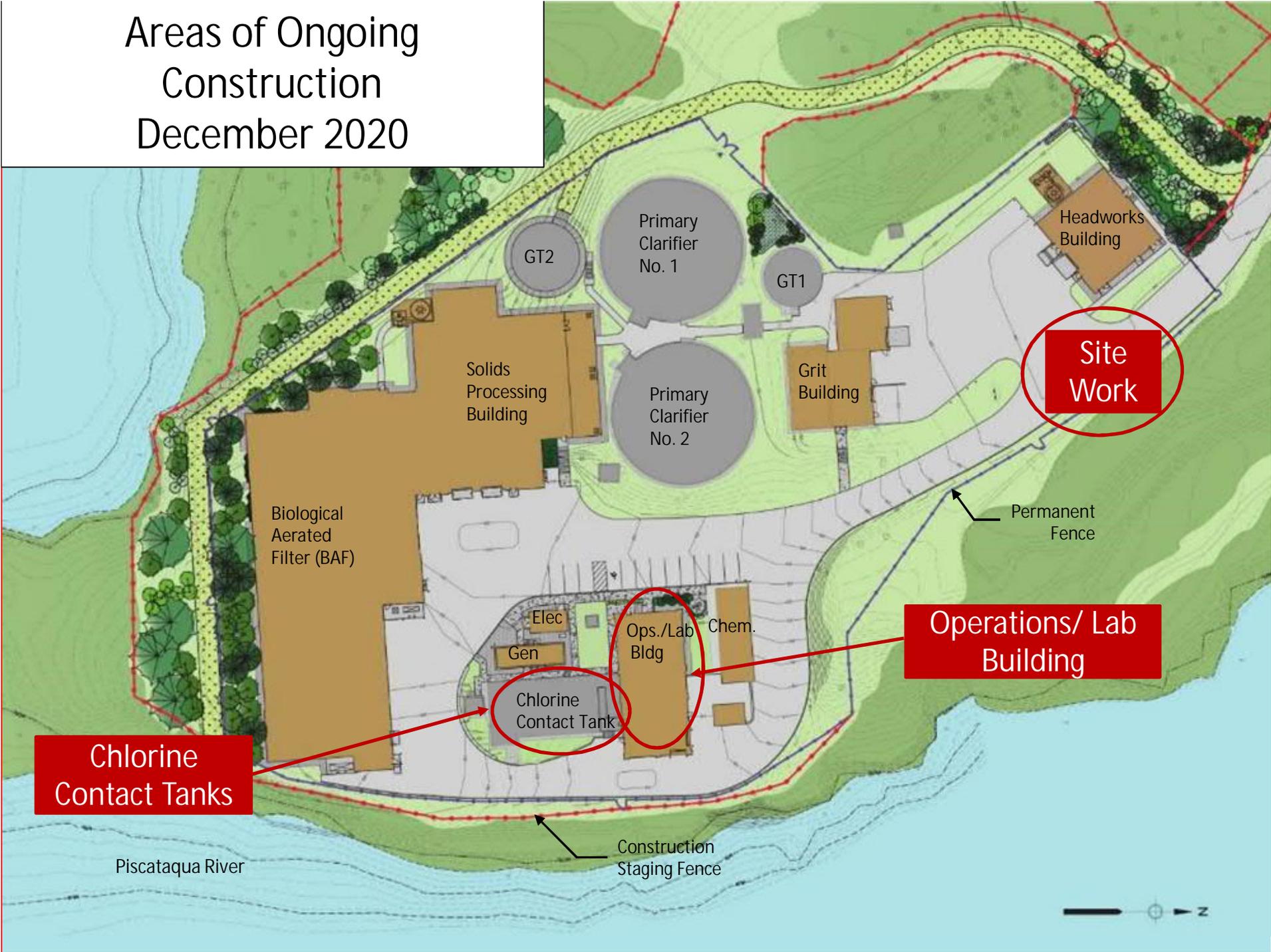
- Website:

<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 December 2020



# Site Overview November 2016



December 16, 2020



Peirce Island WWTF Upgrade Construction

# Work Completed Since Last Meeting



Chlorine  
Contact Tanks

Site Work

Operations/Lab  
Building

December 16, 2020



Peirce Island WWTF Upgrade Construction

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# Work Completed Since Last Meeting



Site Work



# Work Completed Since Last Meeting



Ops/Lab Building



# Work Completed Since Last Meeting



Ops/Lab Building

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# 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

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# Work Completed Since Last Meeting



Ops/Lab Building



# Work to be Completed in Coming Month

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- 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 laboratory casework, and acoustic ceiling tiles at the Operations/Lab Building



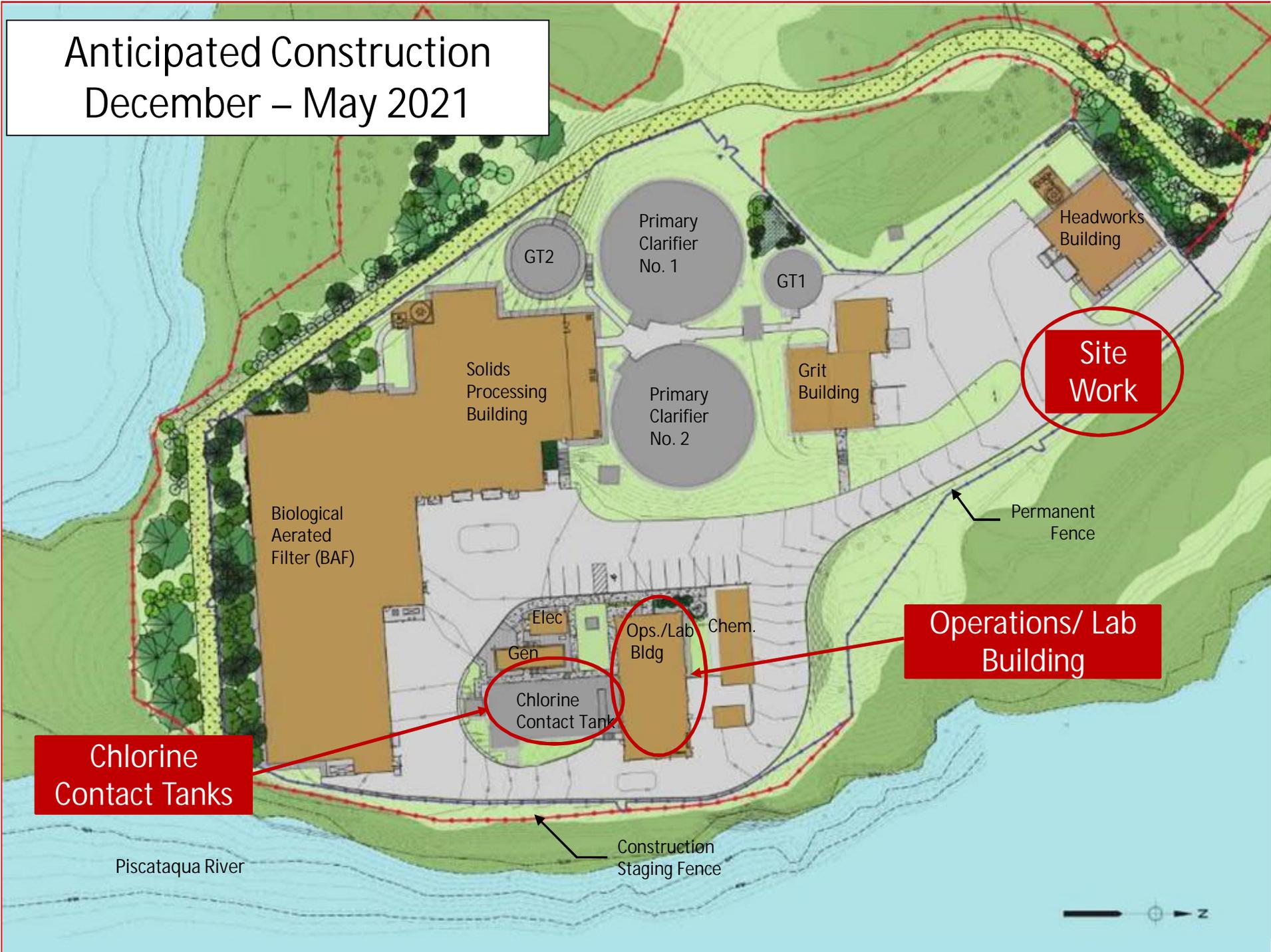
# Work to be Completed in Coming Month

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- 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  
December – May 2021



Site Work

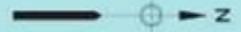
Operations/ Lab Building

Chlorine Contact Tanks

Piscataqua River

Construction Staging Fence

Permanent Fence



# Project Construction Costs

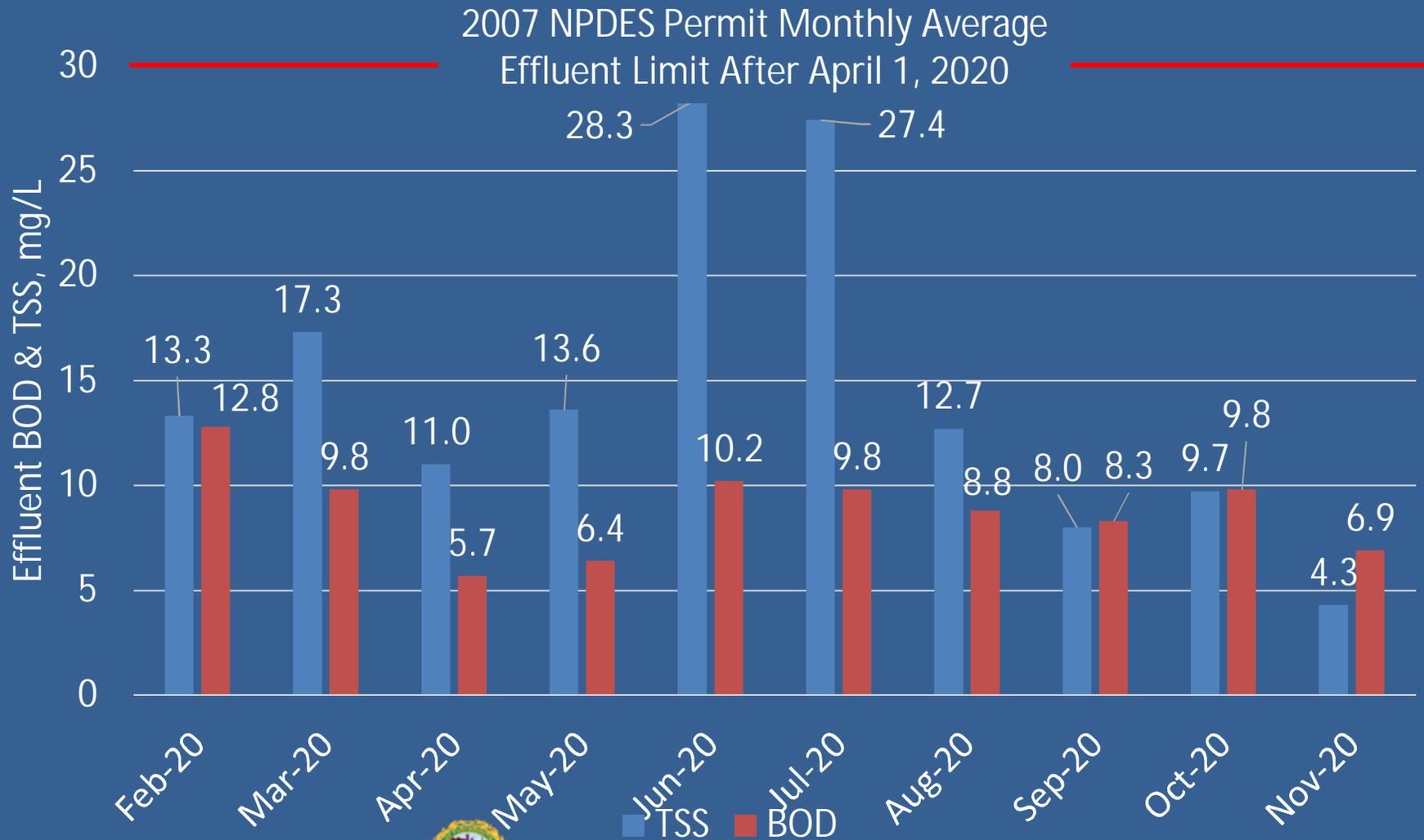
- Original Contract: \$72.786 million
  - Change Order No. 1: \$0.367 million
  - Change Order No. 2: \$0.547 million
  - Change Order No. 3: \$0.093 million
  - Change Order No. 4: \$0.163 million
  - Change Order No. 5: \$0.250 million
  - Change Order No. 6: \$0.292 million
  - Change Order No. 7: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



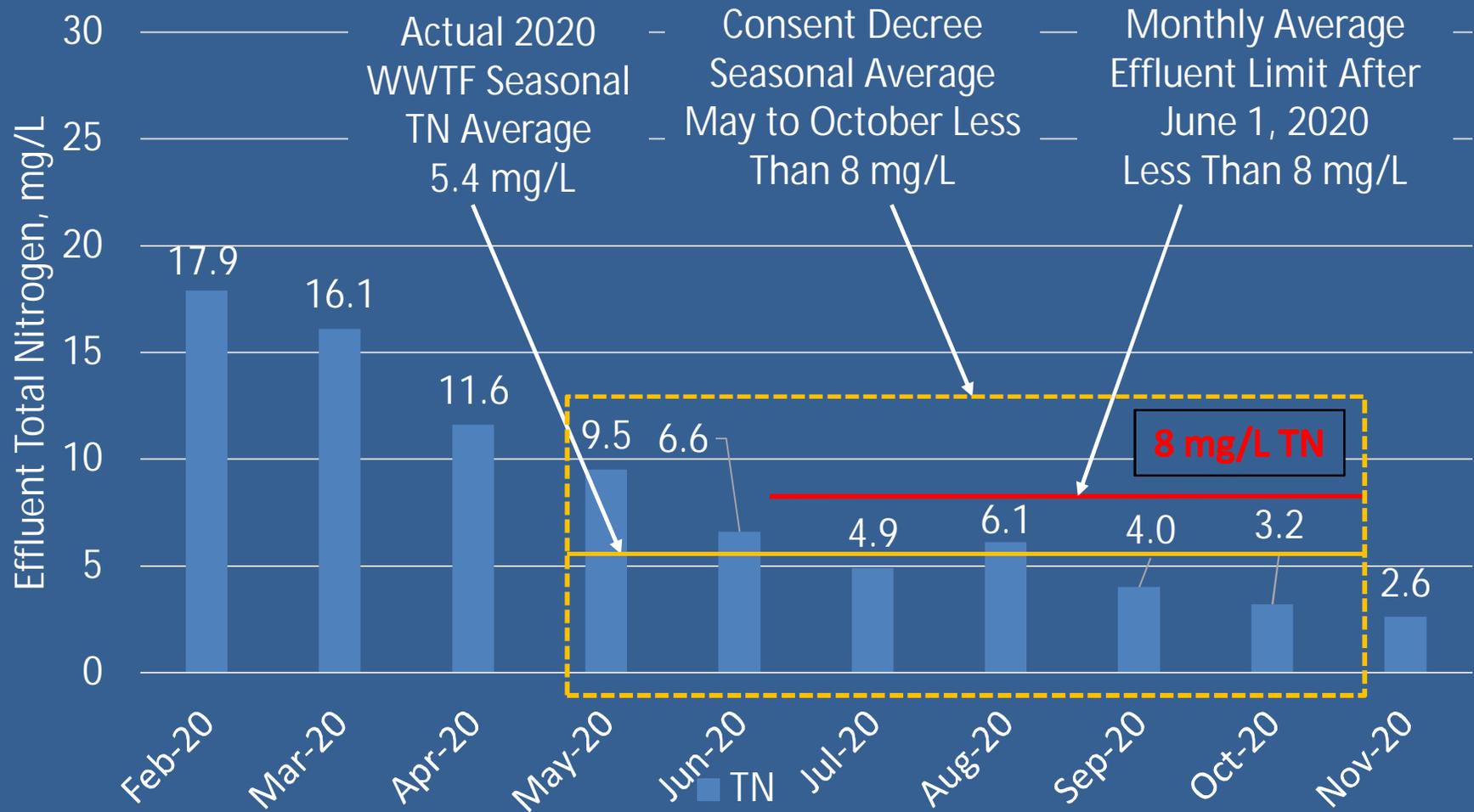
# Project Schedule

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	<del>December 1, 2019</del> 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	<del>June 29, 2020</del> Tentatively Feb 13, 2021	In Progress
Project Final Completion	<del>September 29, 2020</del> Tentatively May 22, 2021	In Progress

# Effluent Results



# Effluent Results



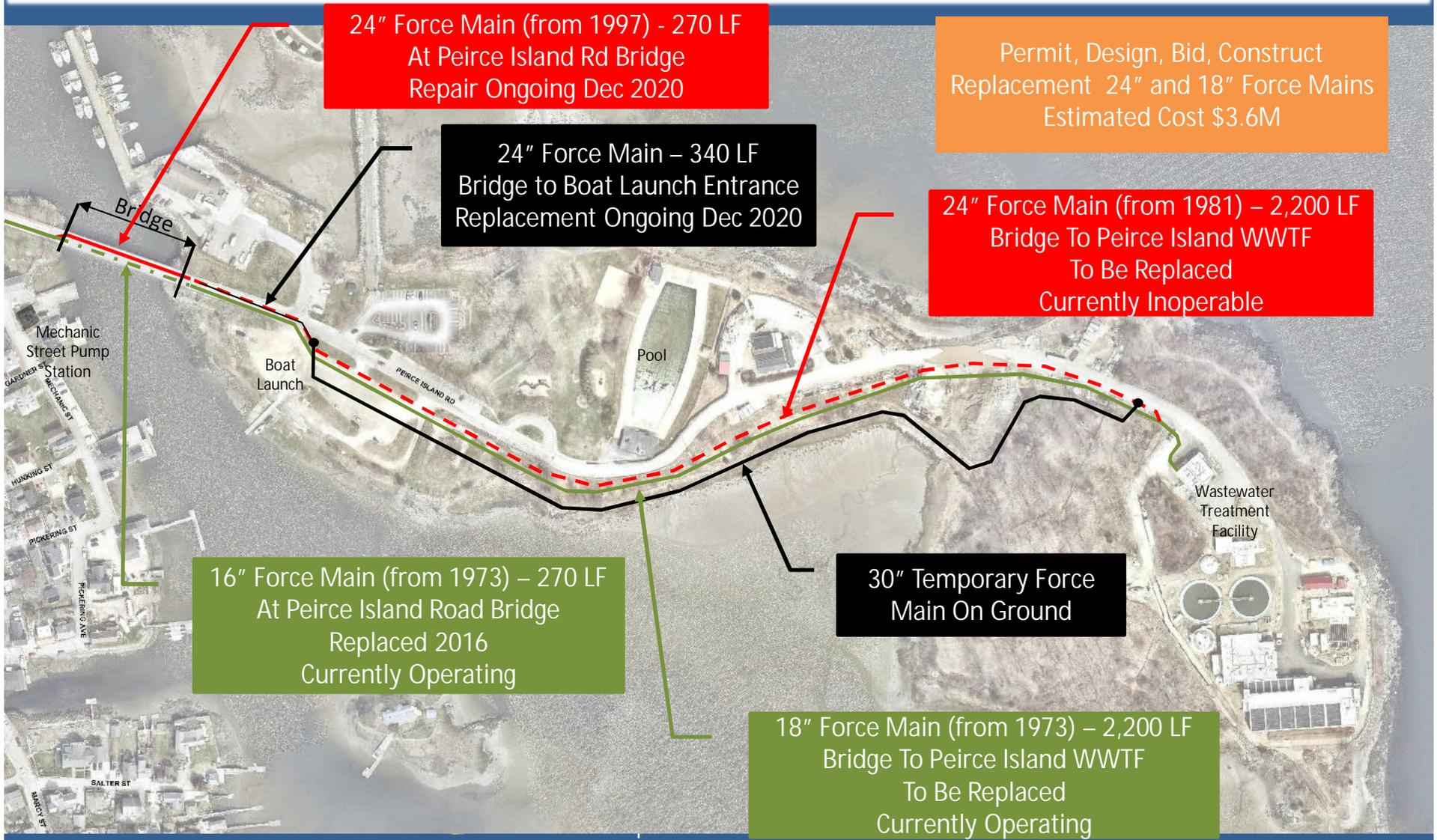
# Events and Recreation

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- 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

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- Public Construction Meeting
  - Next Meeting: January 20, 2021 11:00 AM

