

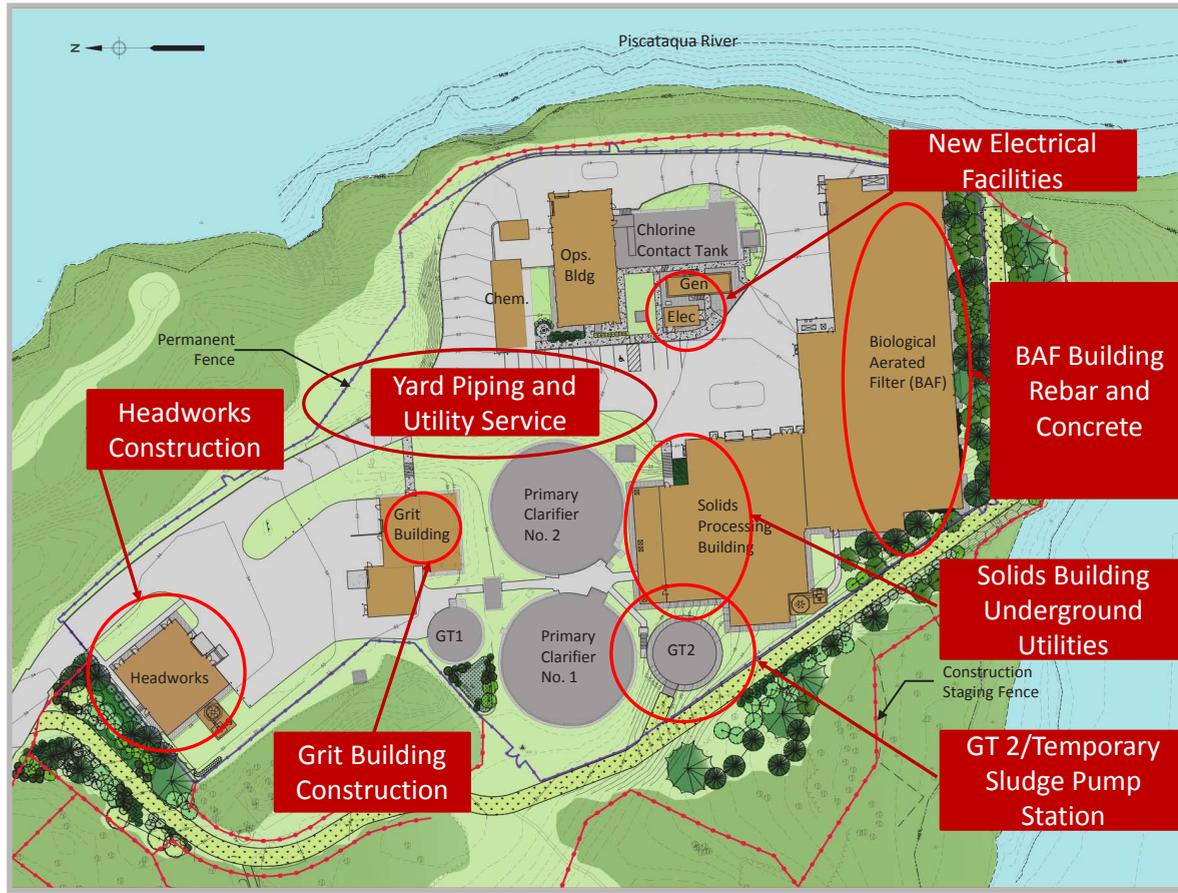


# PEIRCE ISLAND WWTF UPGRADE

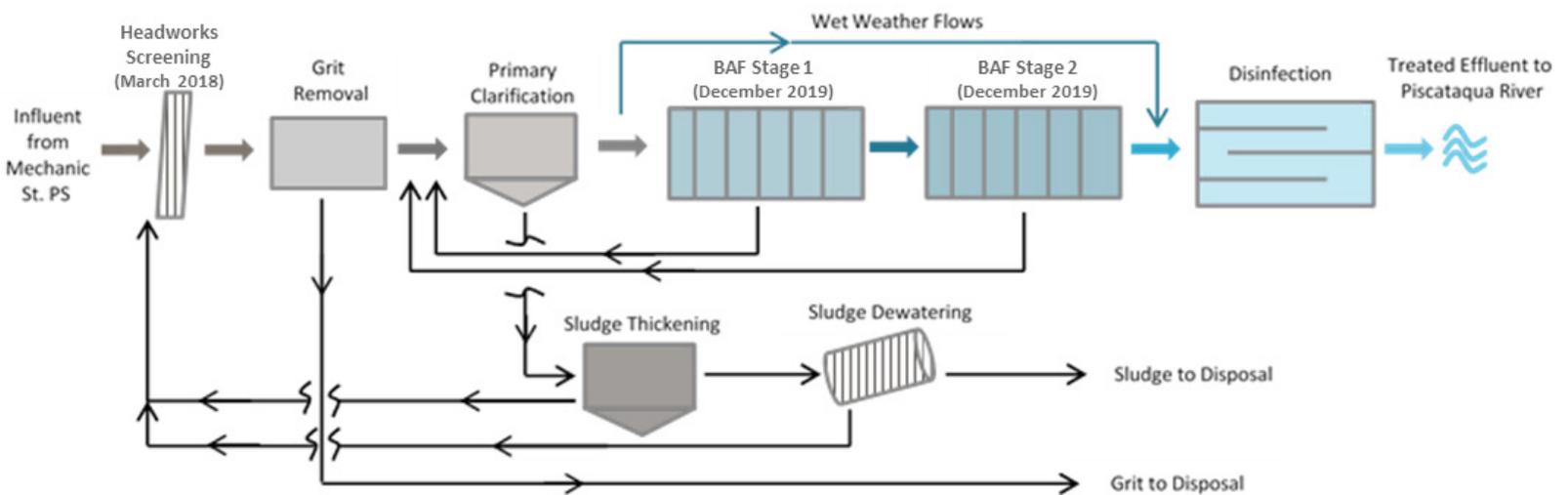
## City Council Tour

### January 26, 2018

Areas of Ongoing Construction  
January 2018



### Simplified Flow Schematic



Primary Peak Hour Design Flow	22.0 MGD
Secondary Treatment Peak Design Flow	10.3 MGD
Secondary Treatment Annual Average Day Design Flow	6.1 MGD
2016 Actual Annual Average Flow	3.6 MGD
2017 Actual Annual Average Flow	4.0 MGD
MGD = million gallons per day	



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### January 26, 2018

## Project Construction Milestones & Costs

Milestone	Date	Status
Execute Contract to Construct Upgrades	09/01/2016	08/25/2016
Submit Two Additional Milestones for EPA Review and Approval	12/01/2016	11/29/2016
Additional Milestone 1: Transfer of the existing SCADA system to the new Headworks Building	11/21/2017	10/18/2017
Additional Milestone 2: Startup and testing of the Secondary Influent Pump Station in the new Solids Building	05/09/2019	On Schedule
BAF Substantial Completion	12/01/2019	On Schedule
Achieve Compliance with NPDES Permit Limits	04/01/2020	On Schedule
Substantial Completion	05/31/2020	On Schedule
Final Completion	08/30/2020	On Schedule
<b>Construction Costs</b>	<b>(Millions)</b>	
Original Contract	\$72.786	
Change Order No. 1	\$ 0.367	
Change Order No. 2	\$ 0.547	
Change Order No. 3	\$ 0.093	
Change Order No. 4	\$ 0.163	
<b>Total Contract</b>	<b>\$73.956</b>	

## Construction Facts

- Percent complete: 33% by time & 47% by cost
- Construction cost to date: \$35.0 million
- Area of wastewater treatment facility site: 3.7 acres
- New buildings or tanks to be constructed: 5
- Total number of trucks counted to date: 6,900 round trips
- Maximum number of trucks in one day to date: 75 round trips
- Amount of rock removed for the BAF: 9,800 cubic yards
- Amount of concrete placed: 7,000 cubic yards
- Amount of reinforcing steel installed: over 2,000,000 pounds
- Number of construction staff on-site daily: 50-60

