

# Construction Update

Agenda Item D.2

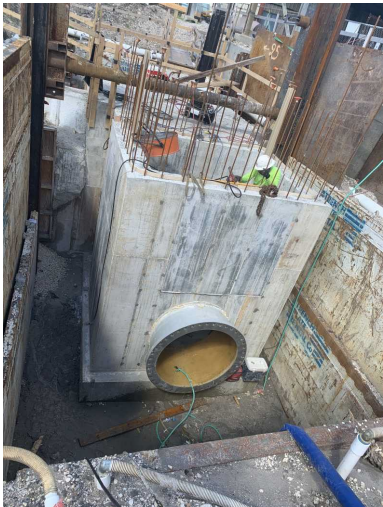
January 24, 2022

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Construction Manager  
Tampa Bay Water



# Recently completed construction

Project	Contract Amount	Construction Completion
Tampa Bay Desalination Facility Intake Connection Improvements, Phase 1	\$ 1,726,000	Oct. 2021
Tampa Bay Desalination Facility Finished water line repair	\$ 800,000	Dec. 2021



Desal Intake Phase 1



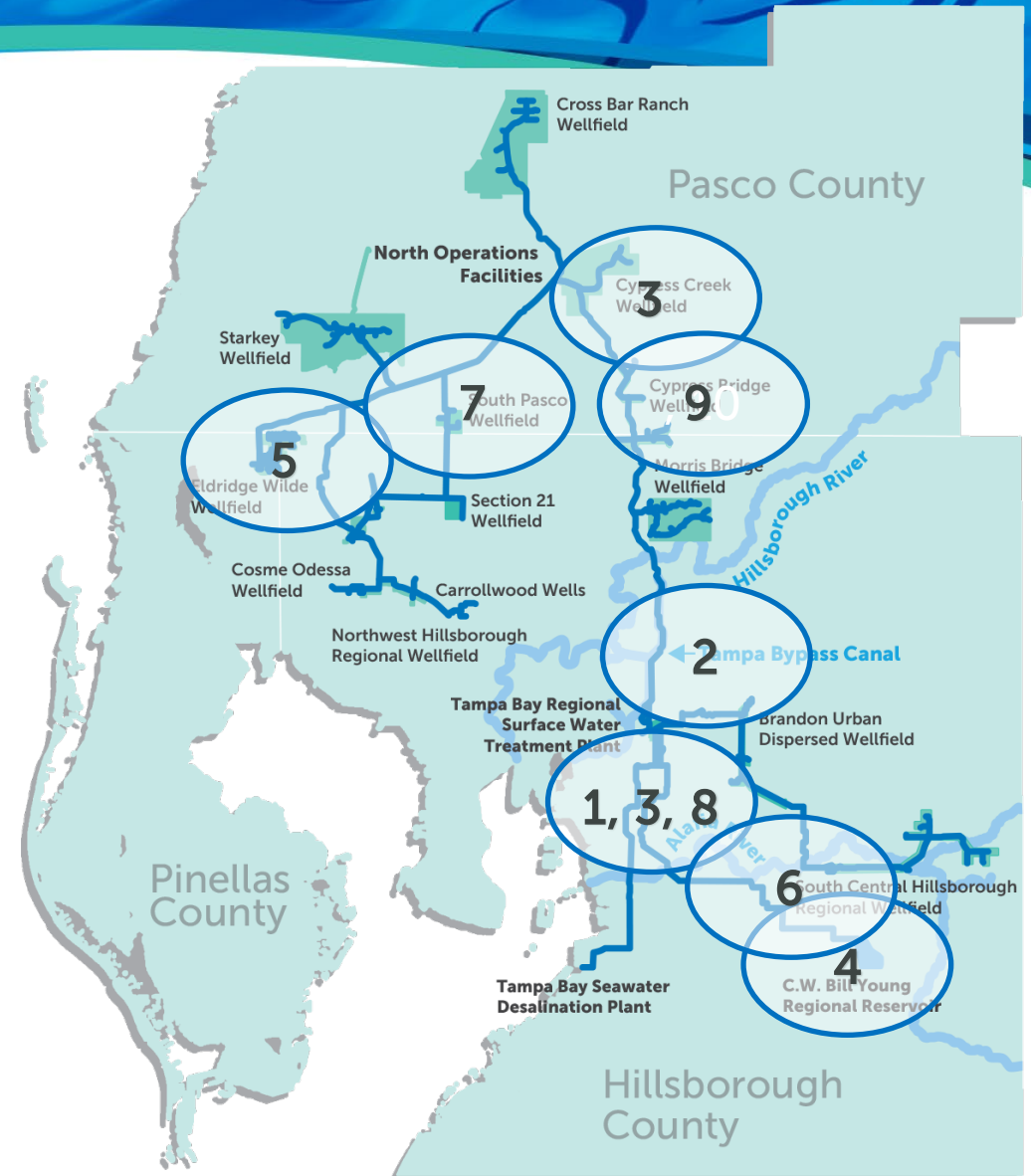
Desal Finished Water Line Repair

# Current Construction Overview Map

## Current Projects:

1. Regional facility pump station expansion
2. Tampa Bypass Canal gates automation
3. Cypress Creek Water Treatment Plant & High Service Pump Station diesel piping improvements
4. C.W. Bill Young Regional Reservoir solar energy system
5. Eldridge-Wilde Wellfield improvements
6. Brandon Booster Station,
  - GMP 1 – Lithia flow control valve
  - GMP 2 – Early purchase of material
  - GMP 3 – Temporary pumps
  - GMP 4 – Pipe installation
7. South Pasco Water Treatment Plant caustic feed system
8. Repump station raw water line valve repair
9. Cypress Bridge wellfield improvement

Total construction cost: \$35.1 million



# Regional Facility Pump Station Expansion

- Increases pumping capacity at the High Service Pump Station



Pump and motor



Variable Frequency Drive Testing

Cost: \$2,168,480 (co-funded by the Southwest Florida Water Management District)

Completion: March 2022

# Tampa Bypass Canal Gates Automation

- Automates the existing manual slide gates at three flood control structures



Structure 162 and gates



Automated actuator

Cost: \$1,028,250 (co-funded by the Southwest Florida Water Management District)

Completion: June 2022

# Eldridge-Wilde Wellfield Improvements

- Replaces pumps, motors, wellhouses, metering devices, power lines and repairs access roads at 24 well sites



Piping modification in wellfield



New gate valve installed



TECO installing underground power

Wellfield improvements cost: \$13,321,865 (up to \$750,000 in state funding)  
Powerline replacement cost: \$1,491,407  
Completion: Summer 2023

- Automates filling and prevents spills



Set up for cleaning tank 1



New 12,000-gallon fuel tank

Cost: \$373,200

Completion: March 2022

- Offsets commercial electric consumption with solar power



Solar panels being installed



View of solar field from the reservoir embankment

Cost: \$1,495,671

Completion: February 2022



# Brandon Booster Station

- Adds 5-7 million gallons per day to southern Hillsborough County through Hillsborough County’s Lithia Water Treatment Plant

GMP Project	Contract Amount	Planned Completion
1 - Lithia point of connection flow control valve	\$ 263,050	Feb. 2022
2 - Early equipment procurement	\$ 3,865,759	Feb. 2023
3 - Temporary pumping system	\$ 1,118,050	Sep. 2022
4 - Underground piping installation	\$ 942,902	June 2022
5 - Brandon Urban Dispersed Well #7 improvements	Not yet awarded	
6 - Brandon Booster Station general construction	Not yet awarded	



30" pipe and fittings

# New construction projects getting started

Project	Contract Amount	Planned Completion
South Pasco Water Treatment Plant caustic feed system	\$ 1,118,050	Sep. 2022
Repump Station Raw water line valve repair	\$ 942,902	Oct. 2022
Cypress Bridge Wellfield Improvements	\$ 5,878,100	May 2023



South Pasco Water Treatment Plant



Repump valve repair location



Cypress Bridge wellhouse interior



Questions

