



48" Patuxent Raw Water Pipeline Project Update

Project No: BF1582E91

June 24, 2024

Agenda

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- Timeline
- Road Restoration
- Road Striping
- Challenges
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Overview

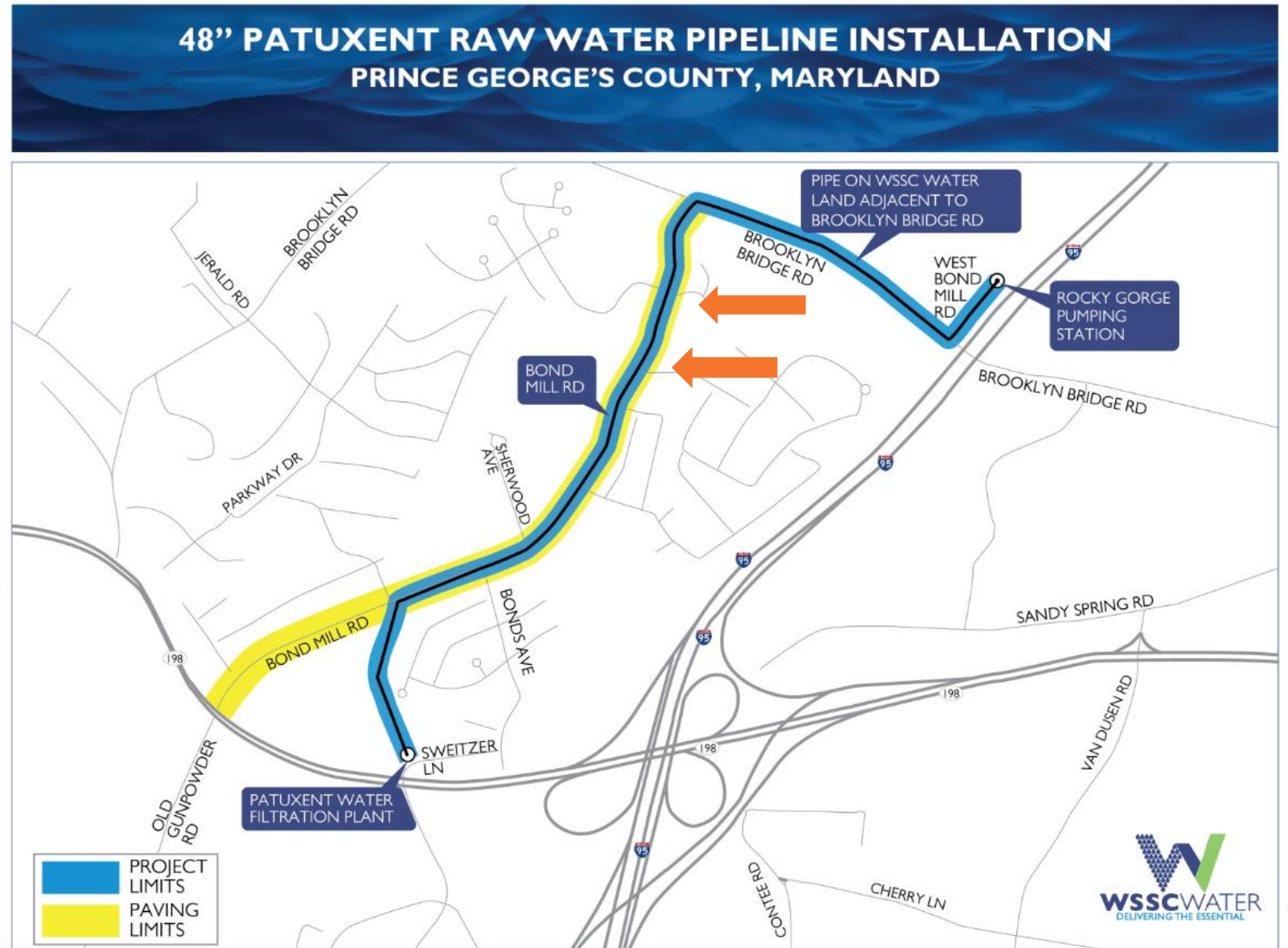
- This project includes the installation of approximately 2.5 miles of 48-inch diameter raw-water pipeline from the Rocky Gorge Pumping Station (Brooklyn Bridge Road) to the Patuxent Filtration Plant (Sandy Spring Road, MD 198).
- New 48" Pipeline will enable the Patuxent Water Filtration Plant to increase production to meet the drinking water needs of Montgomery and Prince George's County costumers, while ensuring infrastructure resiliency and redundancy.



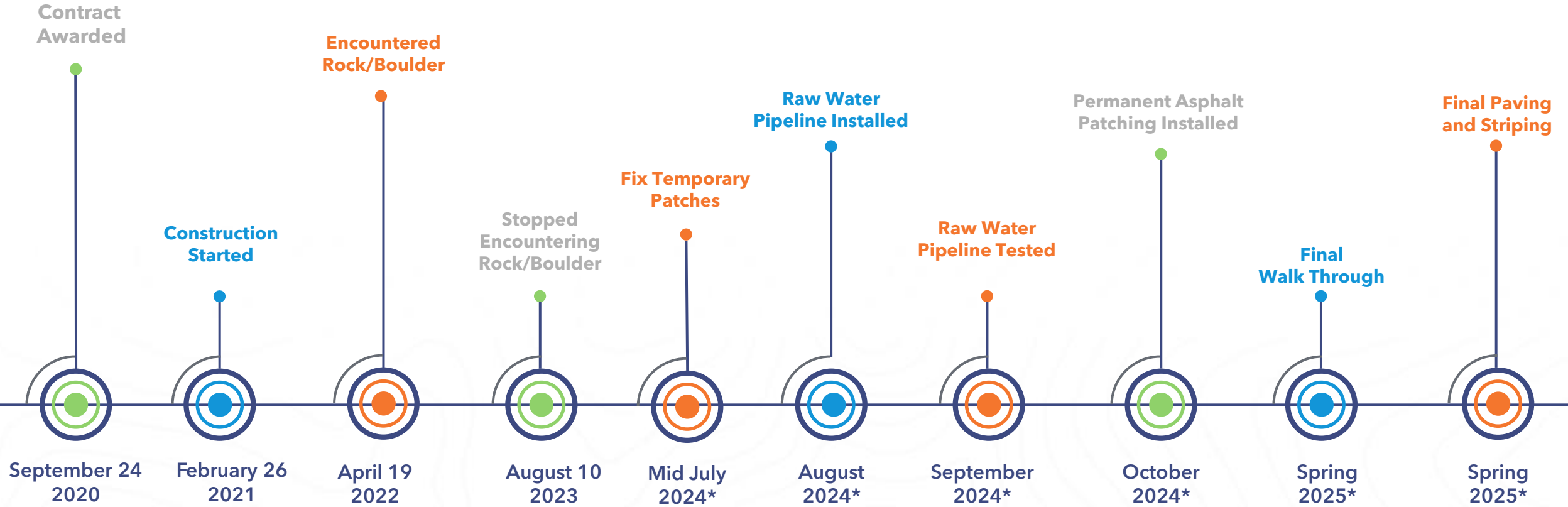
Project Map

Directly Impacted Streets

- Bond Mill Road
 - Rock ←
- Brooklyn Bridge Road
- West Bond Mill Road
- Paving Bond Mill Road from Brooklyn Bridge Road to MD 198
 - Permanent paving after pipeline is installed & tested



Timeline



*Possible delays due to weather and/or materials availability

Road Restoration

- Current asphalt pavement along Bond Mill Rd. is **temporary patching** which consist of approximately 2" - 3" of hot mix. Contractor to repair temporary patches by mid July.
- Once the Raw Water Pipeline has been installed and tested for leaks, the **permanent patching of the roadway will begin.**
- Once full project is complete, WSSC Water will be resurfacing and striping full width of the roadway from curb-to-curb with **final paving.**



Temporary asphalt restoration



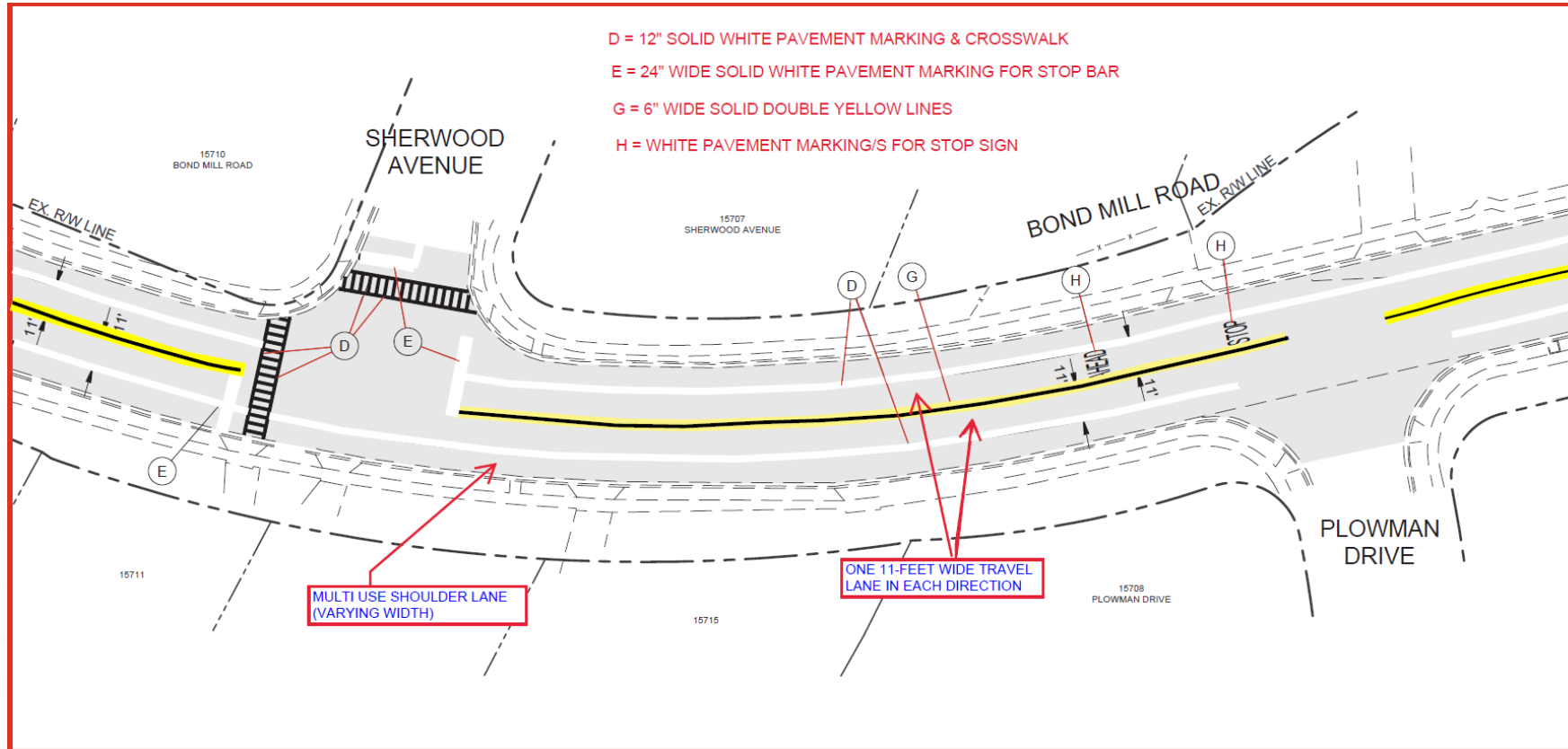
Final roadway restoration

Road Striping

- New roadway striping will be performed on Bond Mill Rd. between Brooklyn Bridge Rd. and Sandy Spring Rd.
- This decision was made in conjunction with the WLCA (West Laurel Civic Association)



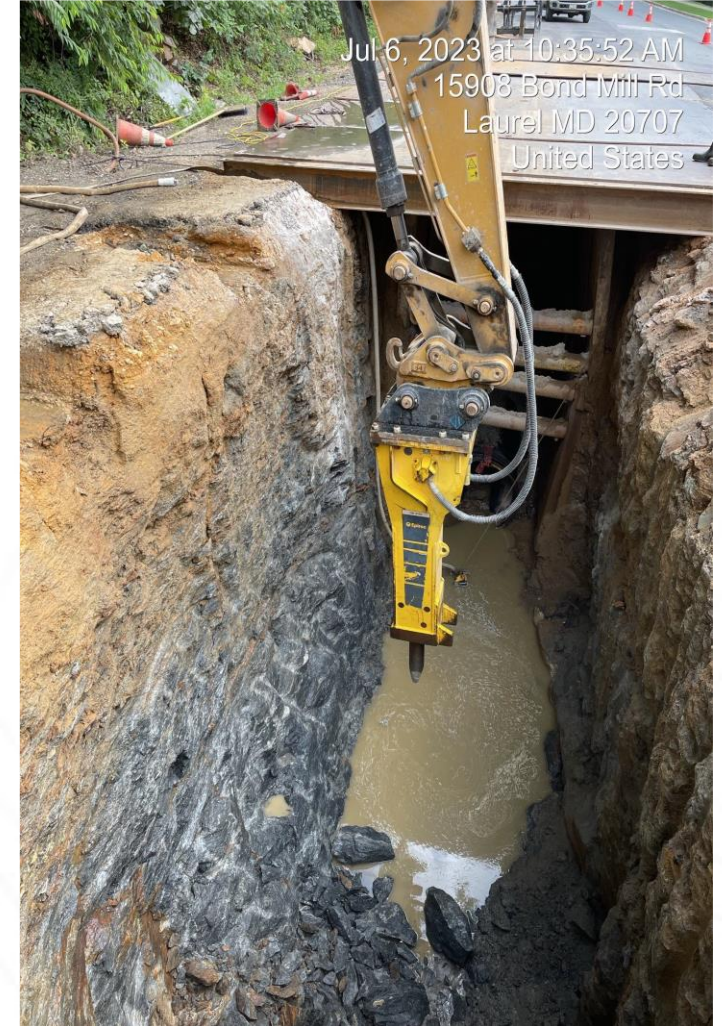
Road Striping



- There will be one 11-ft. wide travel lane in each direction.
- After the two 11-ft travel lanes, the remaining shoulder will be utilized for multi use lane.

Challenges

- Rock
 - Rock found in Mid-April 2022 on Bond Mill Rd. and Diploma Dr.
 - Approximately 1,000 feet of hard rock was encountered and removed on Bond Mill Rd. between Diploma Dr. and Orem Dr.
 - Rock encountered near the surface area and as deep as 20 feet.
 - Mid-August 2023, contractor finally made it past the rock on Bond Mill Rd. & Orem Dr.
- Worldwide supply chain delays
 - Delayed large diameter material delivery.



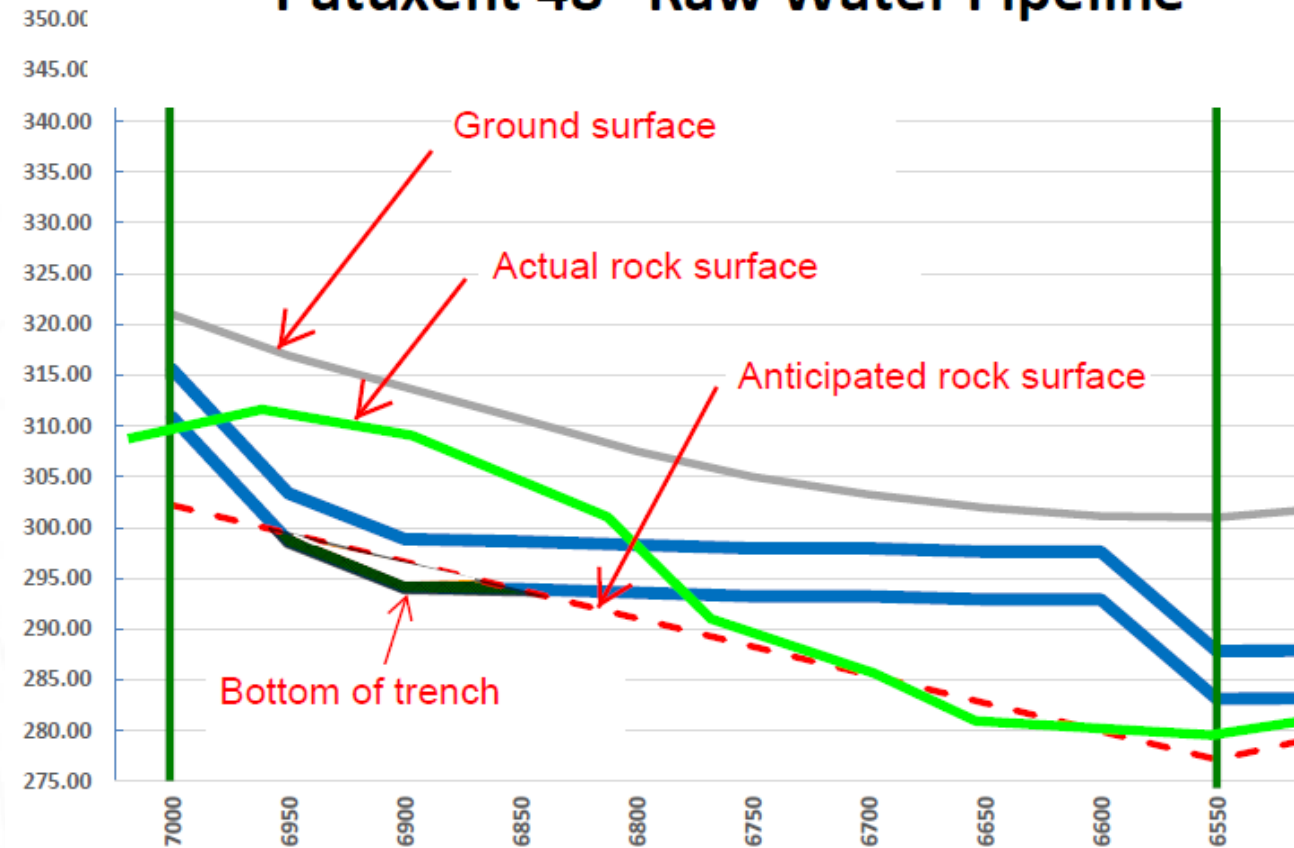
Challenges (continued)

- Bond Mill Rd & Sherwood Ave
 - Substantial delays encountered due to soil conditions (sandy soil) which made it harder for the contractor to maintain their trench.
 - Delays exacerbated by a leaking valve and weather conditions.



Rock Profile Details

Anticipated vs. Actual Encountered Rock Patuxent 48" Raw Water Pipeline



What to Expect During Remaining Construction

- Open-cut construction method, which involves cutting and excavating a section of the pavement.
- Temporary traffic lane closures will continue during the remaining construction activities.
- Temporary parking restrictions will continue in affected areas.
- Construction signs with whom to contact.
- Water and sewer service should not be disrupted during remaining construction.



Summary

- Current asphalt along Bond Mill Rd. is a temporary asphalt which WSSC Water will eventually mill and overlay at the completion of the project.
- WSSC Water is working with the Contractor to address the sunken temporary patches along Bond Mill Rd.
- This Fall, after the pressure testing is completed, the temporary patching will be replaced with permanent patching.
- In Spring 2025, a paving contractor will mill and overlay the road from curb to curb.
- New striping will occur at the completion of the project.
- Estimated final paving completion date is Spring 2025.*

**Possible delays due to weather and materials availability*

Project Team



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Questions?