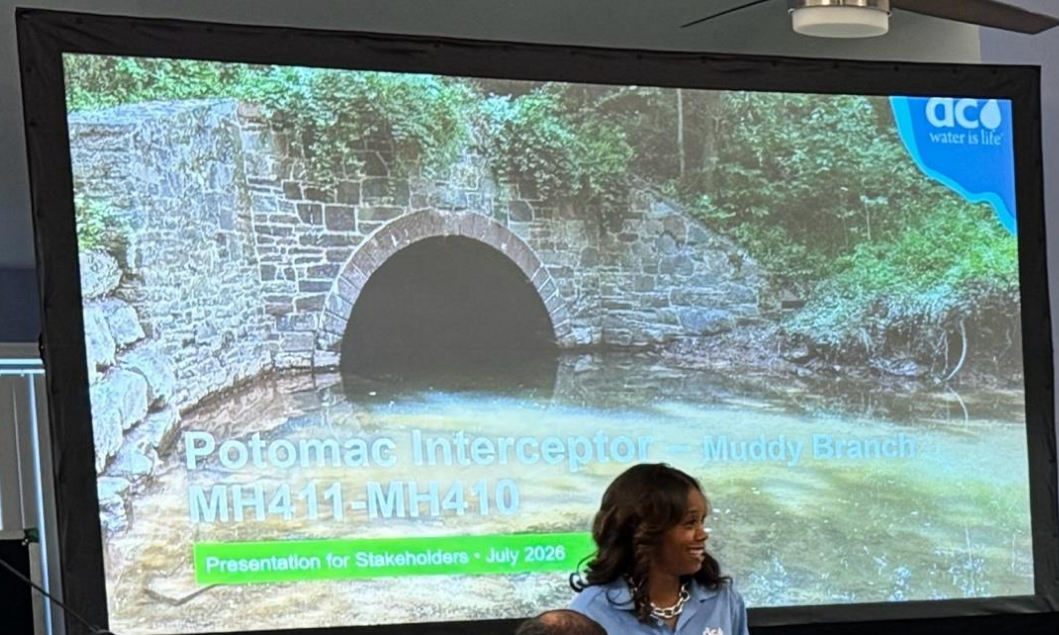
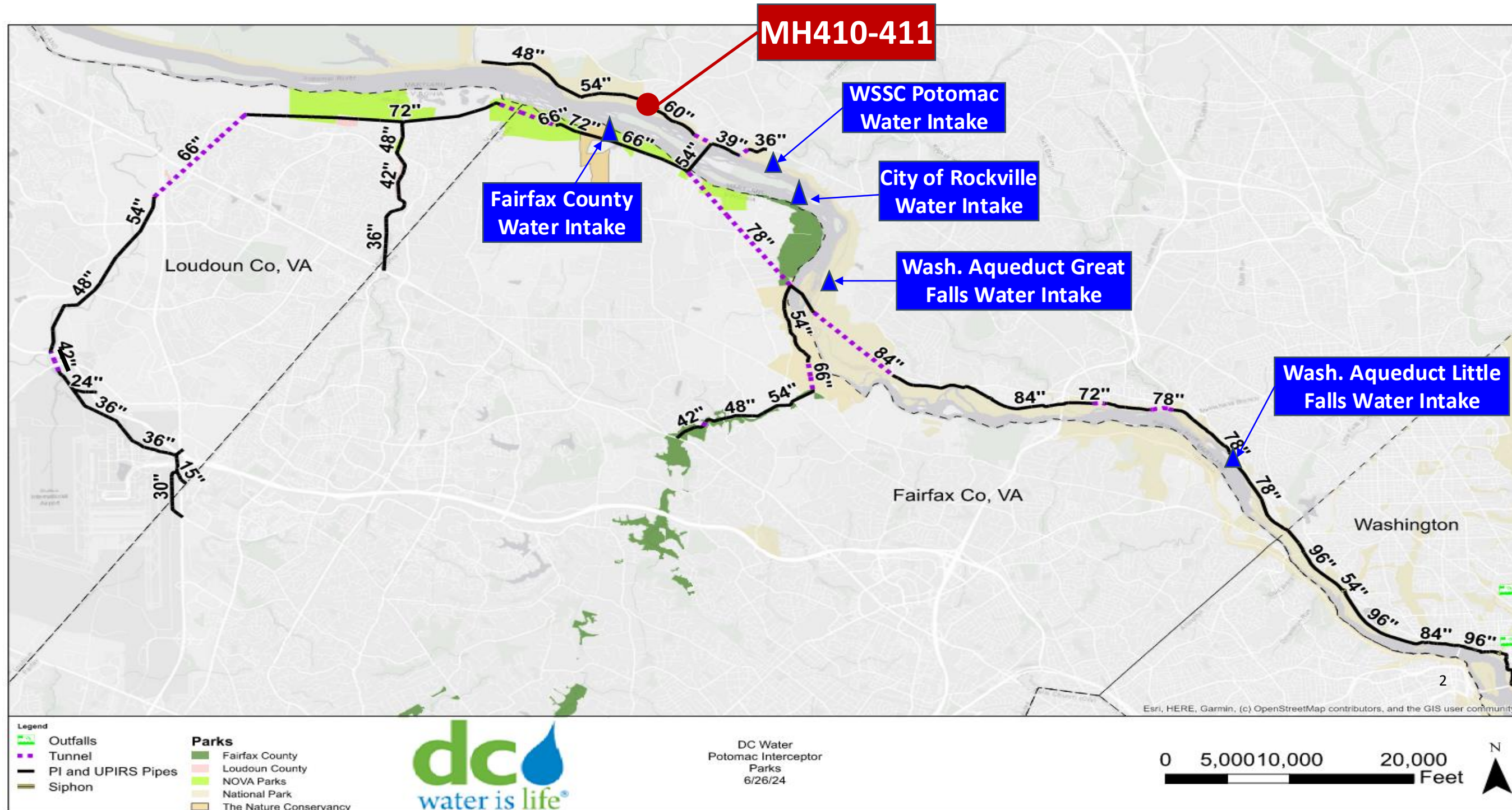




Potomac Interceptor – MH410 to MH411 Repair – Tobytown Community Update

Presentation for Stakeholders • October 7, 2026

Potomac Interceptor



- **Purpose of the Project:** Repair approximately 1,700 feet of the Potomac Interceptor between MH410 and MH411 to address deteriorated pipe conditions and maintain reliable wastewater conveyance.

MH410-411 Project Location



What Has Been Completed

Work Completed

- ☐ Main bypass pumping system installed
- ☐ Geopolymer rehabilitation under Muddy Branch completed
- ☐ Sliplining access pits excavated
- ☐ Dewatering wells installed around the excavations
- ☐ New Sliplining pipe deliveries underway



Work Currently Underway

- Ground stabilization and grouting around the Sliplining work areas
- Preparation for the WSSC lateral bypass
- Preparation for permanent Sliplining



Why the Schedule Changed

Why Is the Project Taking Longer?

Unexpected ground conditions

- Saturated, fine silty soils
- Groundwater around the pipe and excavations

Additional work needed

- Dewatering
- Ground stabilization
- Installation of grout wells and grouting around the excavation

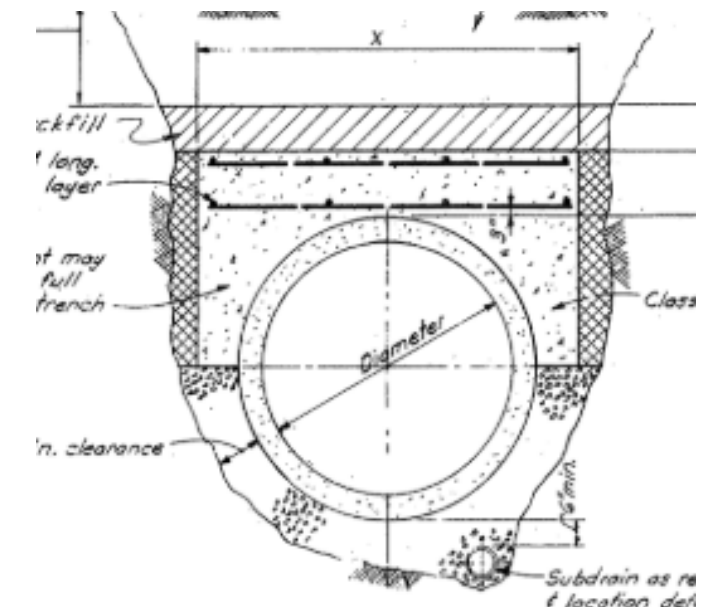
Schedule impact

- These additional stabilization activities have extended the construction schedule beyond the timeframe discussed at the July community meeting.
- DC Water's priority is to complete the repair safely while protecting the existing interceptor and surrounding area.

Slip lining pit #1

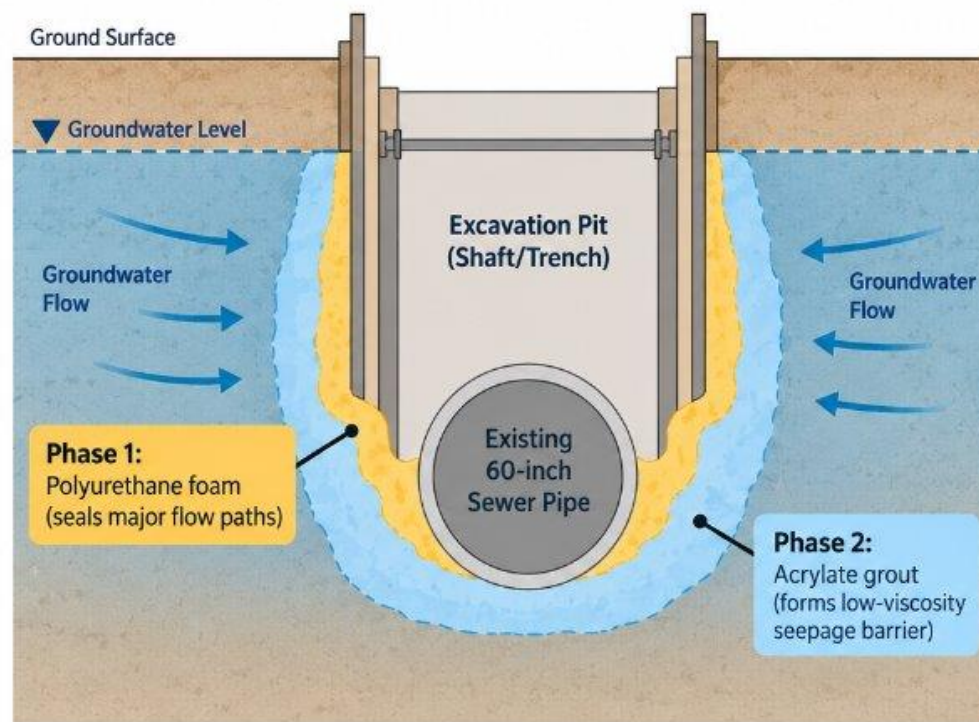


As-Built Information – Pipe Installation



Improvement / What We Are Doing About It

Limiting Water Intrusion into Excavation Pits – Grouting Approach



1

Targeted Grouting

Grout is injected around the excavation and existing pipe to fill voids and reduce groundwater flow.

2

Phase 1 – Polyurethane Foam (AFS)

- Quickly seals major water-bearing pathways
- Injected through closely spaced tubes around the shaft ends

3

Phase 2 – Acrylate Grout (AC-52)

- Very low viscosity to penetrate soils
- Forms a continuous, low-viscosity seepage barrier
- Injected through TAM tubes around the shaft ends

4

Result

- Significantly less water intrusion
- More stable and workable excavation conditions
- Allows construction to proceed safely and efficiently

How We Are Addressing the Ground Conditions

- The contractor is installing grout wells and injecting grout to strengthen and stabilize the soil around the excavation.
- Dewatering is also being used to control groundwater before the interceptor is opened for Sliplining.



Grout well install

Anticipated Construction Schedule



Activity	Current Forecast
Ground improvement / grouting	October 2026
WSSC lateral bypass installation	October 2026
Begin permanent sliplining	November 2026
Sliplining / associated construction	November–December 2026
Substantial completion	January 2027



Delivered Sliplining Hobas Pipe

What to Expect During Construction

- **Odors:**

- Temporary sewer odors may occur during pipe opening and bypass pumping.
- Odor control measures will be implemented as needed.

- **Construction Equipment and Noise:**

- Bypass pumps, when activated will operate 24/7 with noise mitigation.
- Excavators, pumps, generators, and trucks will be used.

- **Traffic and Access:**

- Periodic truck traffic, flaggers, and temporary impacts to trail
- boat ramp access closed to trailers
- Coordination with NPS and Montgomery County Parks is ongoing.

- **How to Reach Us:**

- Contact DC Water's 24/7 Command Center at **202-612-3400** or visit the project webpage for updates.



Muddy Branch Greenway Trail Closure

Portions of the Muddy Branch Greenway Trail will be closed through September 2026 due to necessary utility repairs to the Potomac interceptor located adjacent to the trail. Trail closures include:

- The trailhead at Blockhouse Point Park where it intersects with the Muddy Branch Greenway Trail
- The South Old River Road Trail at the intersection of the Canyon Trail
- The Mountain Bike Trail Southwestern to Pennyfield Lock Road.
- The Muddy Branch Greenway-River Road Trail including the parking area off River Road.

We apologize for this inconvenience and will provide progress updates as construction is wrapping up.

Questions?

- **Project Updates:** Visit the DC Water Potomac Interceptor project webpage for the latest construction updates, schedules, maps, and project information.
- **Website:** <https://www.dewater.com/potomacinterceptor>



Map of DC Water Emergency Repair Site at C&O Canal Lock 22 (Pennfield Lock)





No Emergency No Spill or Overflow

- Actively monitoring DC Water's work – located about 2.1 miles upstream of our Potomac Water Filtration Plant.
- Water quality experts monitor conditions 24/7.
- Our treatment processes are designed to respond to changing source water conditions.
- Early notification is CRITICAL.
 - The sooner we are informed of a spill, overflow or changing conditions, the more options we have to protect water quality/public health, adjust operations and respond effectively.

If a Spill or Overflow Occurs

- ✓ **First priority:** protecting public health.
- ✓ Immediately evaluate river conditions and water quality.
- ✓ If necessary, temporarily close WFP intake while assessments are completed.
- ✓ Operational decisions will be guided by water quality data and established response plans.



Increase monitoring of water entering Potomac WFP to detect changes as early as possible.



Make operational and treatment adjustments

- Increase filter backwash cleaning frequency
- Enhance chlorine and ultraviolet disinfection doses



Closely monitor treated water quality indicators



Increase production at Patuxent WFP



Accelerate work with regional partners to stop the spill

THANK YOU

Extra Slides