

# Pohick Interceptor Rehabilitation Project – Community Meeting

Project No. WW-000028-44

Wastewater Design and Construction Division

Department of Public Works and Environmental Services

*Working for You!*



A Fairfax County, VA, publication  
January 23, 2024

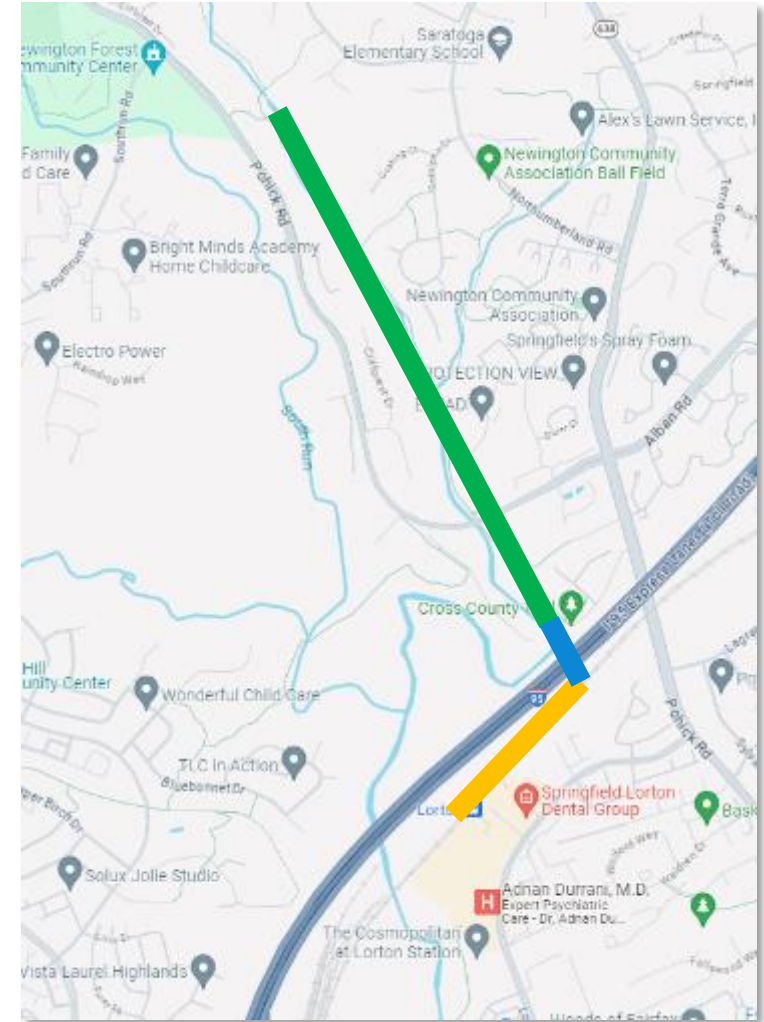
# Project Team

- Wastewater Design and Construction Division (WDCD)
  - Phillip Hunt
  - Matt Doyle
- Wastewater Collection Division
  - Justin Ferguson
- Dewberry Engineers Inc.
  - (Fairfax Office)
- Contractor
  - Job Order Contract



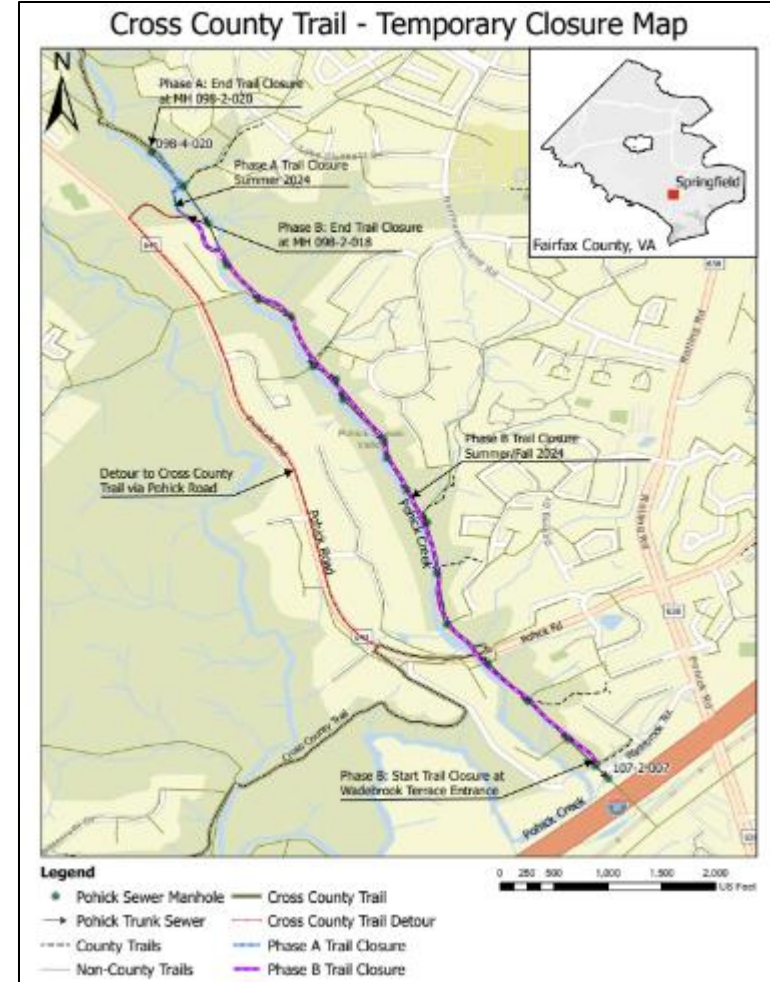
# Overall Pohick Program

- **Pohick Interceptor Rehabilitation Program**
  - The overall program has three phases.
    - Phase 1 (Construction Fall 2024) (Green)
    - Phase 2 (Construction Spring 2024) (Blue)
    - Phase 3 (Construction TBD) (Orange)
  - The overall program was broken down into multiple phases due to the nature of the rehabilitation that is needed.
    - Different type of permitting needs,
    - Different type of Contractor that are needed,
    - Useful life remaining/priority of the pipe,



# Project – Phase I

- Pohick Large Diameter Phase I
  - Rehabilitate of 5,000 LF
  - 54” diameter
  - CIPP Lining
- Contact Information
  - Justin Ferguson
    - Project Manager Wastewater Collection Division
    - [justin.ferguson@fairfaxcounty.gov](mailto:justin.ferguson@fairfaxcounty.gov)



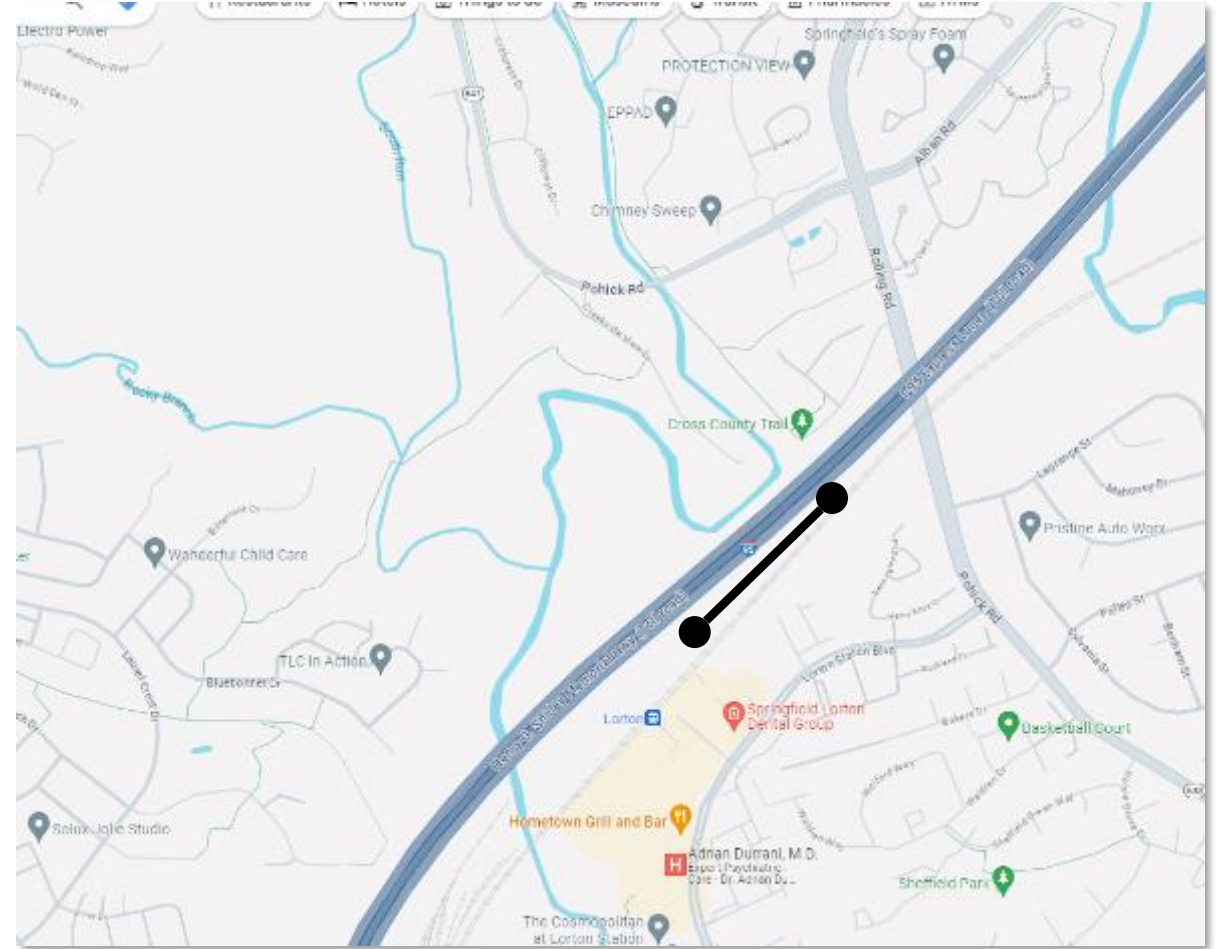
POHICK LARGE DIAMETER REHABILITATION  
Project – Phase 2

- Pohick Large Diameter Phase 2
  - Rehabilitate 72” tunnel
  - Geopolymer liner
- Contact Information
  - Matthew Doyle
  - Phillip Hunt



# POHICK LARGE DIAMETER REHABILITATION Project – Phase 3

- Pohick Large Diameter Phase 3
  - Rehab to be determined
- Contact Information
  - This project hasn't started yet.
  - Beyond FY 2026-time frame



Today's Discussion is only about  
Phase 2



# Project Description

- Primary Goals
  - Rehabilitate the tunnel entrance manhole
  - Rehabilitate the 72" tunnel
  - Provide a safety access to the tunnel entrance

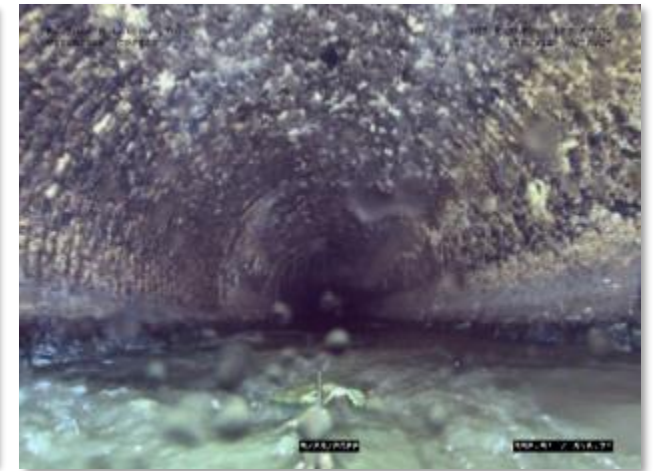




POHICK LARGE DIAMETER REHABILITATION

# Existing Conditions

- 72” concrete tunnel 600 linear feet
- Manhole is located at the end of Wadebrook Terrance
- Carbon Steel reinforcement is exposed to hydrogen sulfide gas
- Crosses under I-95 and CSX railroad tracks



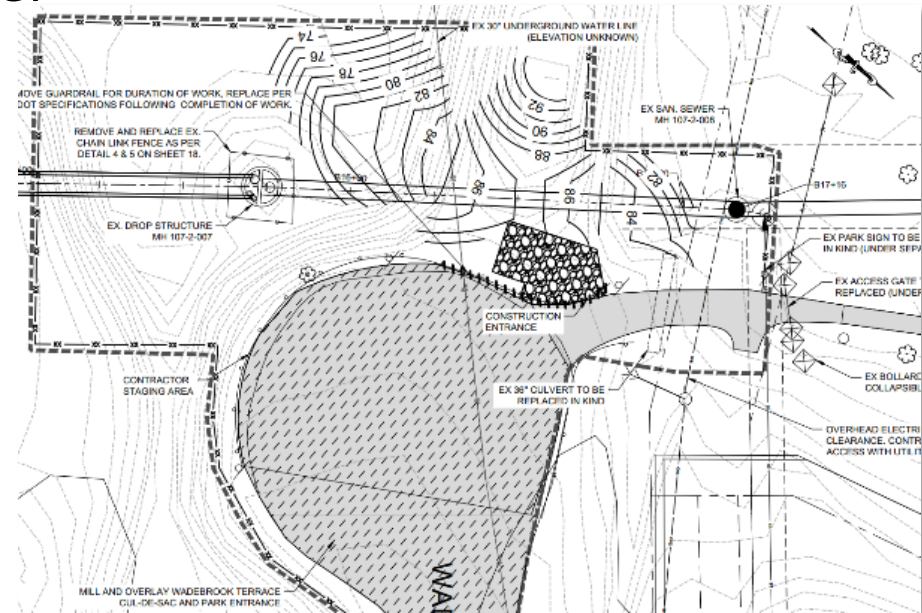
# Activities



# Project Activities

## The Sequence of the Project

- Setup Erosion and Sediment Control
- Provide an access road to the tunnel entrance
- Setup a by-pass pumping system
- Rehab the tunnel with a Geopolymer liner
- Rehab the entrance manhole with an epoxy liner
- Remove the bypass pumping system
- Remove Erosion and Sediment Control
- Site Restoration

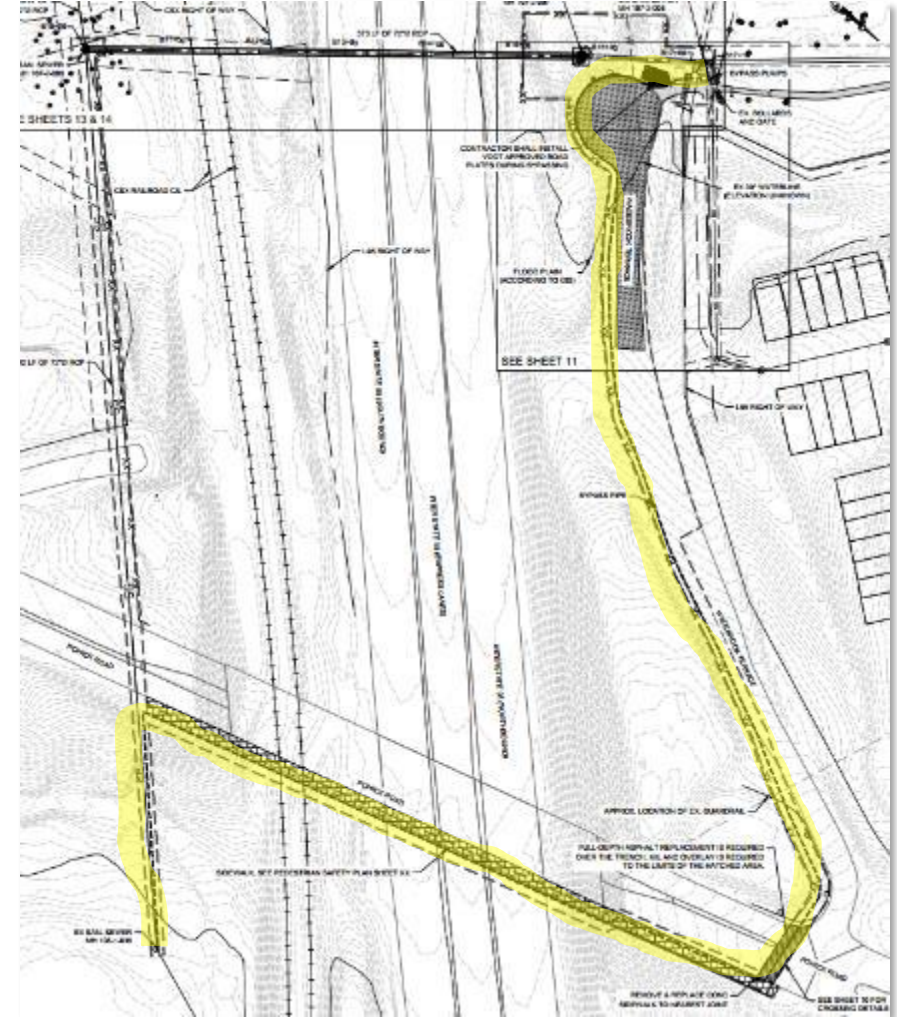


## Community Impacts



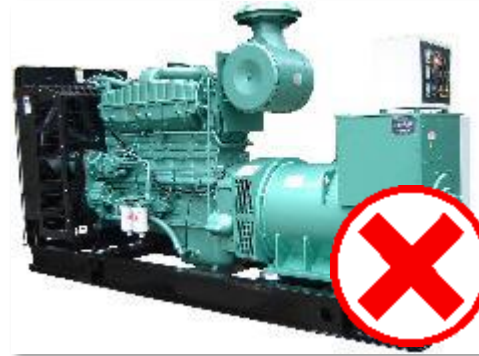
# Project Activities - Bypass

## Setup a by-pass pumping system



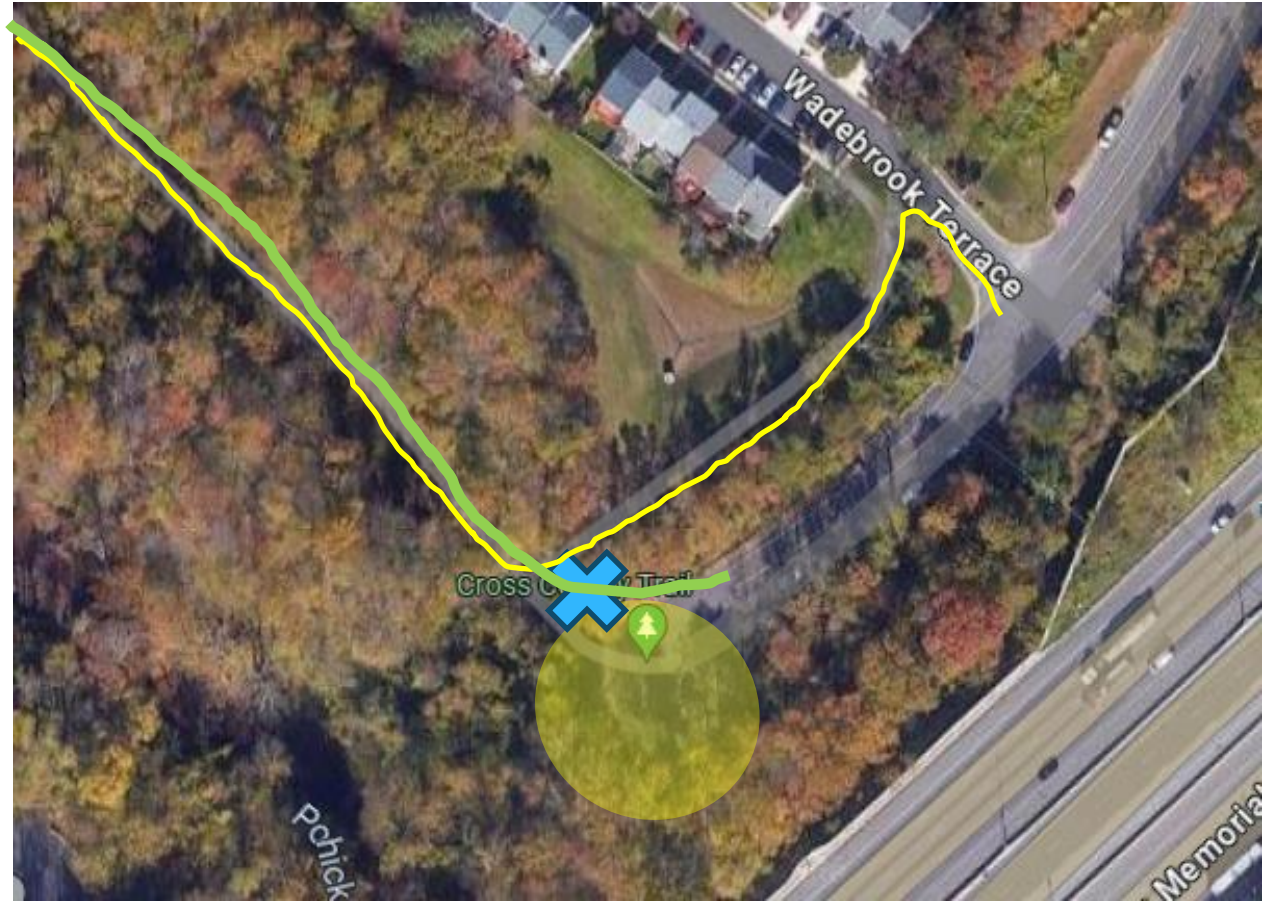
# Project Expectations

- Community Impacts
  - No expected odor Issues.
  - Noise from the Generator
    - Sound attenuation cover
    - 65 decibels
    - 24 /7-hour operation until done



# Project Expectations - Trail

- Community Impacts
  - Detour of the Trail head
    - MOT signage
    - 6 months



# Project Expectations - Parking

- Community Impacts
  - 10 side street parking spots





## Project Schedule



# Anticipated Schedule

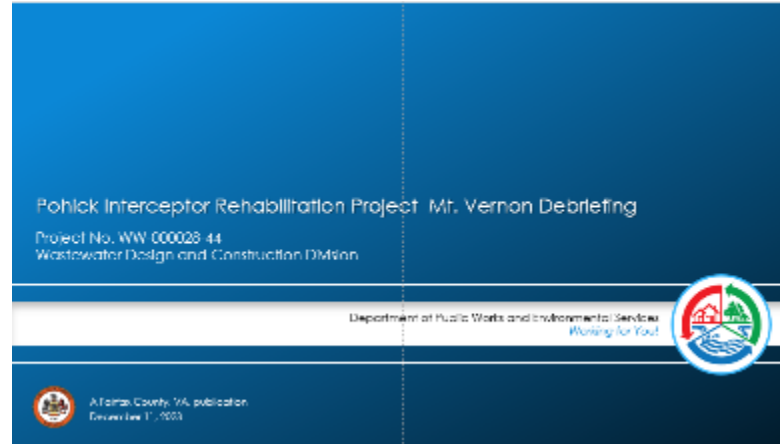
This is the anticipated schedule only. Ongoing supply chain issues may impact necessary material deliveries and impact the construction schedule.

Phases	Dates
Beginning of Design	5/15/2023
35% Design Submission	9/11/2023
70% Design Submission	12/8/2023
90% Design Submission	January 2024
Community Planning Meeting	January 2024
Final Design Submission	February 2024
Construction Start	April 2024



# Community Outreach

- Citizen letters
- Community Meeting
- [Project Website](#)
- Project Signage



# Questions and Answers



# Additional Information

**For additional information, please contact**

Phillip Hunt – [phillip.hunt@fairfaxcounty.gov](mailto:phillip.hunt@fairfaxcounty.gov)

Matthew Doyle - [matthew.doyle2@fairfaxcounty.gov](mailto:matthew.doyle2@fairfaxcounty.gov)

*[www.fairfaxcounty.gov/publicworks](http://www.fairfaxcounty.gov/publicworks)*

