

PINEY POINT FORCEMAIN REPLACEMENT

Background

The Piney Point Road Sewer Force Main (FM) is composed of 8-inch ductile iron pipe (DIP) and conveys untreated sanitary wastewater from the Piney Point Wastewater Pumping Station approximately 9.6 miles to a gravity manhole located on Great Mills Road (Maryland State Route 246) in Great Mills, Maryland. The St. George's Island FM consists of dual parallel FMs with a portion of DIP and conveys untreated sanitary wastewater from St. George's Island Pumping Station to a gravity transition on Piney Point Road, ultimately leading to the Piney Point Pumping Station and the Piney Point FM. These FMs were installed in the mid-1980s to 1990s and were expected to have a service life of at least 80-90 years.

Beginning in 2008, several failures of this FM occurred, resulting in large sanitary sewer overflows, costly repairs and environmental restorations. MetCom has completed multiple condition assessment and corrosion analyses to determine the cause of these premature failures, which have primarily been the result of a corrosive soil environment. In 2016, a portion of the FM that has seen a high volume of failure in Valley Lee was replaced with HDPE pipe as part of a capital project.

The results of the previous analyses and locations of additional FM failures have allowed MetCom to establish priority locations for FM replacement as included in the Fiscal Year 2023 Capital Improvement Budget with the construction funding currently programmed beginning in FY 2024.

Project Scope of Work

Phase 1 of this project includes the replacement design of five sections of the Piney Point/St. George's Island FM with HDPE pipe. The replacement locations are detailed below and were prioritized based on previous failure locations and condition assessment results. It is anticipated that the replacement portions will be installed in the existing MDSHA right-of-way directly adjacent to the existing FM. The existing FM will remain in service while the proposed FM is installed.

- **Section A:** Approximately 3,000 feet of 8-inch DIP on the Piney Point FM between Hewitt Road and Irvings Place along Piney Point Road.

- **Section B:** Approximately 4,300 feet of 8-inch DIP on the Piney Point FM between Springer Road and 19056 Piney Point Road along Piney Point Road.
- **Section C:** Combined 462 feet of 3-inch DIP on the St. George's Island dual FMs between Stations 29+12 and 33+74 located along the St. George's Island bridge, between the transitions to HDPE.
- **Section D:** Approximately 5,700 feet of 8-inch DIP between Stations 94+00 and 151+00 located along Piney Point Road.
- **Section E:** Approximately 3,400 feet of 8-inch DIP starting at the Piney Point WWPS and extending along Piney Point Road.

Customer Impact

Traffic:

Residents in the area should expect minimal traffic impacts. Please speak with our on-site construction inspector or call the project manager below with any traffic concerns.

Water Service:

Residents in the area should expect no impacts to water service during construction.

Sewer Service:

Residents in the area who are served by public sewer should expect minimal to no interruptions to sewer service during construction.

Schedule

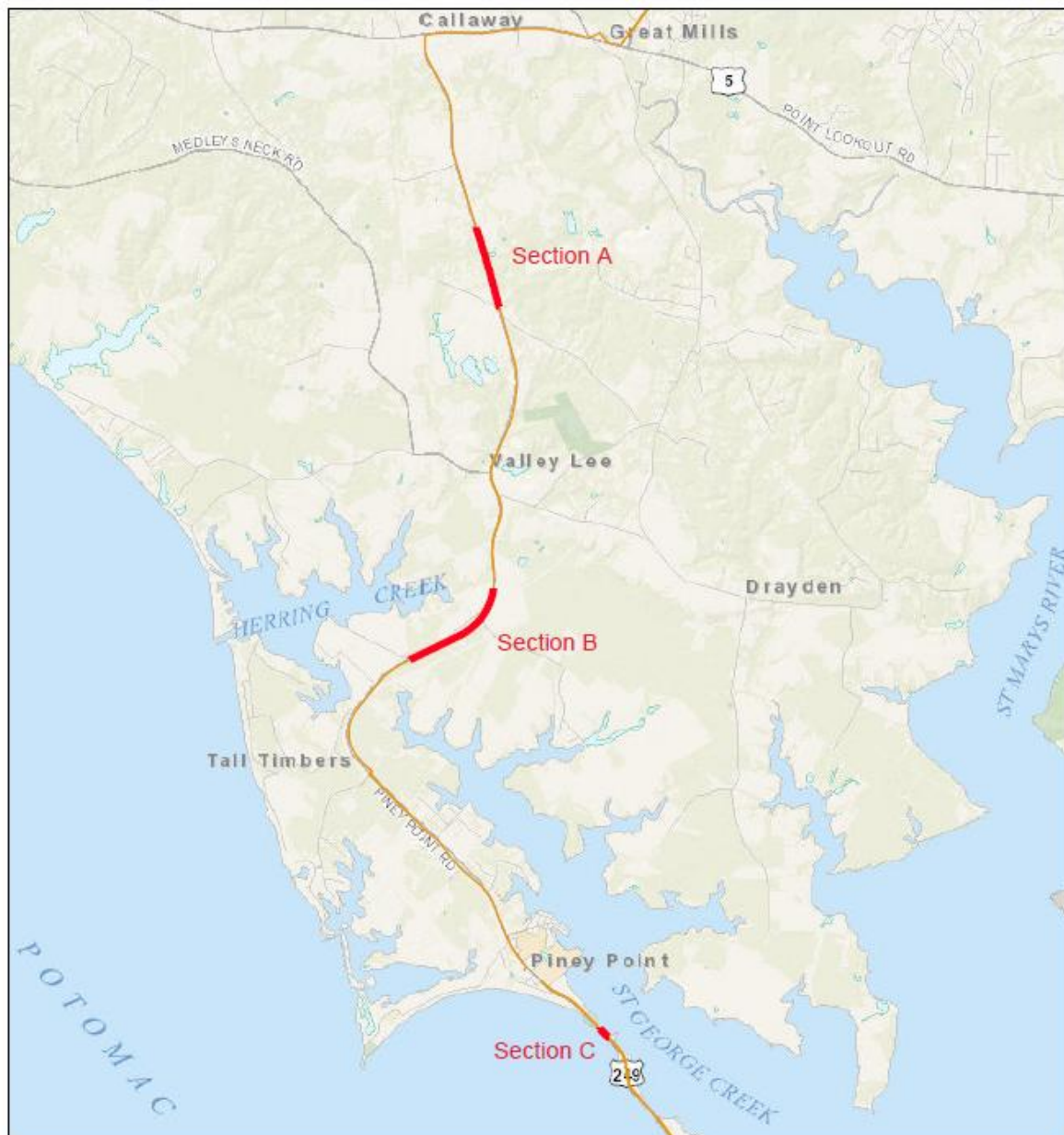
Design: Design contract was awarded to RK&K in February 2023.

Construction: Construction contract solicitation is expected to be advertised Winter 2026 with construction expected to begin in the Spring. Construction duration is approximately 1 year.

Public Notices

Public Meeting: Please Contact Metcom Engineering for any information relating to Public Notices. A project sign board will be placed to identify when work will be completed.

Project Location



Project Contacts

Anna Wells – METCOM Project Manager: (301) 737 – 7400 x 303

(Please email any questions or concerns to awells@metcom.org)

Ronald Delahay – METCOM On-site Representative: (240) 298 – 0074

Chris Soussanin – METCOM Chief of Construction: (301) 737 – 7400 x 311