

Appendix A

PROJECT NAME: Piney Point Force Main Replacement Phase 1 PROJECT NO. 5171MS

DESCRIPTION: The Piney Point Sewer Force Main (“FM”) is composed of 8-inch ductile iron pipe (“DIP”) and conveys wastewater from the Piney Point Pump Station to a gravity transition manhole near the intersection of Great Mills Road and Tower Lane in Great Mills, Maryland. The St. George’s Island FM consists of DIP and conveys 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.

Multiple failures of the Piney Point FM and DIP portions of the St. George’s Island FM have occurred over the years beginning in 2008. 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.

The results of the previous analyses and locations of additional FM failures have allowed MetCom to establish priority locations for FM replacement. This project includes design and replacement of the DIP FMs based on the existing design. Phase 1 of the replacement will include the following:

- 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 4,100 feet of 8-inch DIP on the Piney Point FM between Springer Road and Driftwood Drive along Piney Point Road.
- Section E: Approximately 4,500 feet of 8-inch DIP on the Piney Point FM between Clarke Road southward to the Piney Point Wastewater Pump Station along Piney Point Road.

Total of approximately 16,362 feet of DIP replacement.

PROJECT NAME: Piney Point Wastewater Pump Station
PROJECT NO. 5081SR

DESCRIPTION: This project will replace the Wastewater Pumping Station (WWPS) for the Piney Point area of St. Mary's County, Maryland.

The existing Piney Point Wastewater Pump Station (WWPS) was originally constructed in 1987 and is in need of major upgrades and rehabilitation.

The pump station receives flow from three other wastewater pumping stations (Sheehan, St. George's Island, and Piney Point Landings) as well as the Harry Lundeberg School and over 100 low-pressure sewer grinder pumps connecting directly to the system. The pump station is near capacity (0.15 mgd) which could result in sewer service in the area becoming limited for future development.

The scope of work includes, but is not limited to, the rehabilitation of the existing wet well, replacement of the pumping system, replacement of the equalization tank, new grit removal system, new odor control system, new standby generator, installation of flow and rainfall monitoring equipment, and improved site access. The existing 18,000-gallon equalization tank will be replaced with a new equalization tank that is 115,000 gallons or more to allow for increased storage during high flow events in accordance with Article Three B.3. of the Consent Decree. The new influent pump station will be designed to accommodate approximately 1.6 million gallons per day or more in accordance with Article Three B.3. of the Consent Decree.

There are no land acquisition or easement acquisitions.

PROJECT NAME: Forest Run Wastewater Pump Station
PROJECT NO. 8131SS

DESCRIPTION: This project will replace the Wastewater Pumping Station (WWPS) for the Forest Run area of St. Mary's County, Maryland.

The existing Forest Run Wastewater Pump Station (WWPS) was originally constructed in the 1970s and is experiencing capacity limitations.

The upgrade of this facility allows the potential for additional large-scale development and new customer connections in the area. This station serves the Great Mills area in Lexington Park and will be upgraded to a capacity of approximately 4.75 million gallons or more per day in accordance with Article Three B.3. of the Consent Decree.

The scope of work includes, but is not limited to, a new pump station to include a new wet well/dry well, a new generator, replacement control building, updated equipment, flow and rainfall monitoring equipment, new pumps, SCADA and electrical systems in accordance with Article Three B.3. of the Consent Decree. The existing pump station is planned to remain in service while the new pump station is constructed. The design is also planned to be scalable.

Project requires property acquisition from SMECO, which is currently underway.