PEPCO - 1676 MARYLAND AVENUE, NE

Washington, DC

WHY THIS PROJECT IS RELEVANT

- Pepco Utility Experience
- Washington, DC Location
- Public Safety
- Community Engagement
- Congested Urban Area
- Coordination with Other Contractors

Delivery Method

Bid-Build

Project Size

1,600 LF of 12W 5” Fiberglass
340 LF of 8W 5” Fiberglass
12 LF of 4” PVC
4 6’X12’ Line Manholes
1 Custom 9’X16’ Manhole
2,500 SY Asphalt Milling/Overlay

Initial/Final Construction Cost

$1,380,271/$2,601,910
(Owner Initiated Scope Addition)

Completion Date

August 2020

Reference

Ka Bria Richardson

To bring services to a new development, the Flats at Atlas, Pepco hired Anchor to install ductbanks and manholes at 1676 Maryland Avenue, NE. During the permitting process, Pepco decided it was more effective to redesign the project to also bring services to a second new development, Fortitude at Delta Towers, located at 808 Blandensburg Road. The scope of work for the redesigned project included installation of eight underground ductbanks, excavation, shoring, installation, encasement and backfilling, approximately 1,600 linear feet of 12W 5” Fiberglass, 340 linear feet of 8W 5” Fiberglass, 120 feet of miscellaneous 4” PVC, four 6’x12’ line manholes, and a custom 9’x16’ manhole with custom fabricated roof. The project also includes 2,500 square yards of asphalt milling and overlay.

Crews excavated at an average of 6 feet below grade and encountered significant utilities not previously shown on the drawings including electrical, sewer, storm, water gas and communication utilities. To accommodate for these unforeseen conditions and achieve the proposed grade and alignment, hand digging was performed to expose and protect the existing utilities. To ensure the proper angle for conduit placement while crossing the intersection of Maryland Avenue and Bladensburg Road, the Anchor team developed solutions to transpose and split the ductbank. Additionally, to address further elevation concerns, crews poured concrete with red dye and steel plates.

During the redesign to include the second development in the scope, the work was rerouted to a different feeder manhole. While the new feeder manhole more effectively brought services to the area, it did not have the required depth and space to install the 12W that was to provide the services. Anchor’s project management team worked with Pepco engineering staff to redesign and fabricate a custom manhole to successfully install the 12W 5” fiberglass.

While the scope of the work increased to include a longer stretch of conduit and providing service to an additional building, Anchor was able to suggest design changes to reduce the overall cost. Particularly, Anchor had the conduit design at a main intersection reduce from a 12W to an 8W to make the install more practical.

ANCHOR CONSTRUCTION CORPORATION