Project Profile: MICROTUNNELING

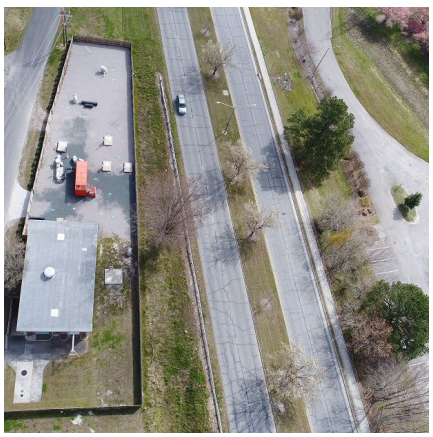
BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

Pressure Reducing Station Realabilty Upgrades
Virginia Beach, VA



PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction installed 182’ x 60” steel casing underneath Providence Road for the Hampton Roads Sewer Sanitation District in Virginia Beach, VA. The tunnel crossing was required for the installation of a 42” DIP sanitary sewer. The tunnel was excavated through sand and clay below the water table. Challenges included tunneling underneath Providence Road without causing settlement and a complicated pipe installation requiring the concurrent installation of both 42” DIP as well as two 2” HDPE conduits. After completing the pipe installation the tunnel was backfilled with flowable fill.





PROJECT INFORMATION - 594

OWNER:
Hampton Roads Sanitation District
Laura Kirkwood
757-460-2491

ENGINEER:
RK&K
Leanne Key
757-498-4123

CONTRACTOR:
Ulliman Schutte Construction, LLC

COMPLETION DATE:
10/4/2019

GEOLOGY:
Sand, Clay

EXCAVATION METHOD:
Herrenknecht AVN-1200 MTBM

MINING DIMENSIONS:
182' x 60" Ø

FINAL LINING:
42" DIP

FOR MORE INFORMATION:
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Refer to Project 594