PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction microtunneled 110 linear feet of 43 inch steel casing under a CSX railroad track in Portsmouth, VA. The subsurface conditions consisted of loose, poorly graded & silty sand (SP-SM), below the groundwater table. Settlement points were monitored along the railroad, with all readings measuring less than 1/8 of an inch. Mining was conducted on a 24/7 basis per the requirements of CSX. The HDPE carrier pipe was installed by the General Contractor, Tidewater Utility Construction.