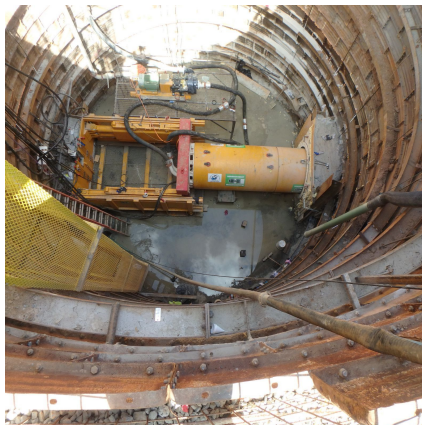


Briar Creek Relief Sewer, Phase III Charlotte, NC



PROJECT OVERVIEW AND CHALLENGES

Bradshaw completed this project for installation of 60 inch steel casing for a gravity sewer under boulevards and railroads. Three tunnels totaling 378 linear feet were installed using an Herrenknecht AVN1200 MTBM. The subsurface conditions varied from soft ground of clay and silt, partially weathered rock, and granite. Bradshaw also installed liner plate launch shafts for the tunnels. Challenges included working close to overhead power lines and mixed face/mixed reach ground conditions during tunneling.



PROJECT INFORMATION - 561

OWNER:

Charlotte-Mecklenburg
Utility Department
Nicole Barlett
704-391-4698
nbarlett@charlottenc.gov

ENGINEER:

CDM Smith
Chris Kolkhorst
704-342-4546
kolkhorstcm@cdmsmith.com

CONTRACTOR:

Sanders Construction

COMPLETION DATE:

11/4/2017

GEOLOGY:

Clay, Silt, Partially Weathered Rock,
& Granite

EXCAVATION METHOD:

Herrenknecht AVN-1200 MTBM

MINING DIMENSIONS:

132', 110', 136' x 60"Ø

FINAL LINING:

42", 36", & 24" Polyvinyl Chloride
Pipe

FOR MORE INFORMATION:

Mike Wanhatalo, Project
Manager/Engineer
410-970-8300
mwanhatalo@bradshawcc.com
Refer to Project 561