Project Profile: PIPE REHABILITATION

BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

Indian Creek Sewer Rehabilitation
Atlanta, GA



PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction was selected by USF&G Surety to rehab a gravity sewer that was improperly installed by Modern Continental Construction. Approximately 400' of the 36" DIP sewer had randomly floated above the design elevation when grout backfilled in tunnel. Bradshaw excavated access shafts, by-pass pumped the sewer, performed video surveys to determine the extent of floatation or obstruction, removed construction debris from inside the sewer pipe, excavated the tunnel grout backfill and lowered the DIP sewer to design grade or revised manhole inverts to accommodate the as built sewer. The primary challenges of this project were the unknown as-built condition of the sewer, strained working relationship with the Owner over the past contractor's actions,and reassuring the local residents that the work would be completed when projected this time.





PROJECT INFORMATION - 446

OWNER:
City of Atlanta

ENGINEER:
Williams, Russell and Johnson

CONTRACTOR:
United States Fidelity and Guaranty Company

COMPLETION DATE:
6/30/2006

GEOLOGY:
Gniess Rock Formation

EXCAVATION METHOD:
Hand Tunneling & Sewer Relining

MINING DIMENSIONS:
400' x 86" Ø

FINAL LINING:
36" Ductile Iron Pipe

FOR MORE INFORMATION:
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Refer to Project 446