

McMillian Stormwater Storage

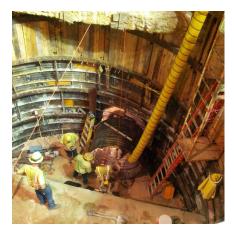
Washington D.C.,



PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction completed two shafts and a hand mine liner plate tunnel as part of a storm water overflow project in northwest Washington DC. As a result of flooding in the area, DC Water decided to convert a more than 100 year old sand filtration chamber into a storm water overflow basin. Bradshaw was subcontracted to install 28 vertical feet of 25 foot diameter shaft while working from only one traffic lane of a busy city street. 32 feet of 72 inch liner plate tunnel was installed by hand mining from the 25 foot diameter shaft built for construction of a cast-in-place diversion structure by others. Bradshaw installed 12 vertical feet of 7 foot liner plate shaft inside the filtration chamber in order to complete the tie-in. Due to the heavily populated urban residential area the project work hours were severely restricted to only a few hours each night.





PROJECT INFORMATION - 529

OWNER:

District of Columbia Water & Sewer Authority Kevin Williams 202-878-2333 kevin.williams@dcwater.com

ENGINEER:

McKissack & McKissack Mark Babbitt 202-202-2145

CONTRACTOR: PC Construction

COMPLETION DATE: 9/1/2013

GEOLOGY: Clay, Sand

EXCAVATION METHOD: Hand Mine

MINING DIMENSIONS: 35' x 72"Ø

FINAL LINING: 48" Fiberglass Reinforced Pipe

FOR MORE INFORMATION:

Michael Wanhatalo, Project Manager 410-970-8300 mwanhatalo@bradshawcc.com Refer to Project 529