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.