



CS-32-002B Consolidation of Pogues Run Outfall CSO's #034 & #035

LOCATION: Indianapolis, IN

OWNER: City of Indianapolis

OWNER CONTACT: Ms. Sandra Shafer (317) 327-4546
2150 Martin Luther King Jr. St.,
Indianapolis, IN 46202

ARCHITECT OR ENGINEER: Christopher Burke Engineering

ARCHITECT/ENGINEER CONTACT: Jeremy Morris (317) 266-8000
115 W Washington St Ste 1368,
Indianapolis, IN 46204

PROJECT PROFILE

This project included design of facilities to capture and consolidate two of Indianapolis' major combined sewer overflows. This project was designed to lower the flood plain and improve water quality on the East Side of Downtown Indianapolis. Super Excavators installed 1,640 lineal feet of 167" O.D. Reinforced Concrete segments with a finished interior diameter 12 feet. The tunnel was constructed using a LOVAT 167SE, 167" diameter EPB (Earth Pressure Balance) TBM (Tunnel Boring Machine). The launch shaft was 69 feet deep and the receiving pits were 40 feet deep. The launch shaft required spilling above the tunnel to prevent settlement above the TBM. The soils varied from coarse sands to stiff clays. The tie-in to Pogues run required demolition of the existing box culvert, installation of a wet well leading to the new tunnel, and reconstruction of the box culvert to accommodate an overflow rain event. The structural concrete work was quite extensive on this project and was difficult due to the high ground water table. This tunnel went under very urban streets including two of Indianapolis' main East-West corridors. We had great success in preventing settlements given the shallow cover of the tunnel and the sandy soils.

Super Excavators, Inc. received ASCE's award for Indiana "Project of the Year in 2006"



TOTAL VALUE OF CONTRACT:
\$12,420,817.00

COMPLETION TIMELINE:
FEBRUARY 15, 2005 TO DECEMBER 28, 2006

COMPLETED AS:
PRIME CONTRACTOR

