



Reedy River Basin Sewer Tunnel

LOCATION: Greenville, South Carolina

OWNER: Renewable Water Resources (ReWA)

OWNER CONTACT: Jason Gillespie, (884)299-4000/jasong@re-wa.org
Gregg Wright (864) 299-4000
561 Mauldin Road, Greenville, SC 29607
jasong@re-wa.org

ARCHITECT OR ENGINEER: Black & Veatch,
Attn: Stephen O'Connell, CM
263 Fishburne Street, Unit B, Charleston, SC
(913) 458-4335 / OconnellS@bv.com

PROJECT PROFILE

ReWa has determined the need for additional sewer conveyance capacity through downtown Greenville, South Carolina due to the large service area of the Mauldin Road Basin coupled with the current and potential growth in this area. The selected solution is to construct 5,940 LF of 130" ID rock tunnel with 84" carrier pipe (Hobas CCFRPM Pipe) grouted in place. Tunnel depth ranges from 40 to 130 feet below ground surface, mined in intact Gneiss bedrock using a double shielded rock gripper TBM. Tunneling requires construction of one 25' ID cast in place drop structure 106" deep. Cast in place diversion and screening structure, Vortex structure on upstream drop shaft. 230' of 14' horseshoe starter tunnel, a 40 foot ID by 40 foot deep launch shaft and 30 foot ID by 130 foot deep receiving shaft. Shaft construction to consist of liner plate and rock dowels with wire mesh.

Project also includes near surface connections including 400 feet of new 60 inch gravity sewer, replacement of 225' of existing 42" gravity sewer and replacement of 900 feet existing 20" gravity sewer with 42" gravity sewer. As well as several junction chambers, screening/diversions structures, Odor Control facilities, site restoration and improvements.

TOTAL VALUE OF CONTRACT:
\$39,972,535

COMPLETION TIMELINE:
MARCH 2018 - SEPTEMBER 2020(Tunneling)

COMPLETED AS:
JOINT VENTURE - SUPER EXCAVATORS, INC. / CMCRA

