

MDC South Hartford Conveyance and Storage Tunnel QEP and Environmental Engineering Services

Hartford & West Hartford, CT



Client

Kenny/Obayashi IV, A Joint Venture

Completion Date

2023 Estimated

Description

Zuvic Carr is providing professional services to Kenny/Obayashi IV, JV on the Metropolitan District (MDC) South Hartford Conveyance and Storage Tunnel (SHCST) project.

An 18-foot diameter, 4.8 mile long bedrock tunnel will be built 170-200 feet below ground surface using a tunnel boring machine. The tunnel is designed to temporarily store combined wastewater and stormwater during rain events, and then convey the flows to the Hartford Water Pollution Control Facility for treatment. The estimated cost of the project is \$280 million.

Environmental consulting and engineering work conducted by Zuvic Carr includes:

- Providing Qualified Environmental Professional (QEP) services for the entire project
- Preparation of Soil, Tunnel Muck, and Water Management Plans and a soil staging permit
- Preparation of a stormwater pollution control plan and permit
- Preparation of groundwater discharge permits and completion of periodic sampling for compliance purposes
- *In-situ* and *ex-situ* soil and rock sampling and characterization for reuse or disposal
- Designation of facilities acceptable for soil reuse and disposal based on material characterization