

## New Jersey Capital Park Master Plan



### PROJECT

New Jersey Capital Park Master Plan  
Trenton, New Jersey

### CLIENT

The New Jersey Department of the Treasury DPMC  
Consultant to: Wallace, Roberts, & Todd, LLC

### DATES

2008	Structural Assessment
2009	Design and Documentation "Phase IB"
2010-11	Design and Documentation "Reburial of Petty's Run Excavation"
2011-12	Design and Documentation "Stabilization of Petty's Run Excavation"
2012- Present	Construction Contract Administration

### DESCRIPTION

The New Jersey Capital Park Master Plan is a large urban planning initiative led by Wallace, Roberts, & Todd, LLC. Its focus is on providing a long term vision for a new state park at the Capitol complex in downtown Trenton. New Jersey's first truly urban park, Capital Park will incorporate a comprehensive sustainability agenda, driving a spectrum of environmental, social, and economic strategies. The master plan also provides a long term strategy to revitalize Trenton by reestablishing connection to the downtown and reclaiming its riverfront.

### CHALLENGE

S. Harris Ltd. has been working with WRT since 2008 on the development and design of an interpretive park directly adjacent to the New Jersey State House. The site contains the historic remains of Trenton's industrial past including the former foundation walls of a cotton mill, paper mill, and steel furnace. In addition, an underground culvert, Petty's Run still transports storm water to the Delaware, at one time, having provided a source for water power to the industrial site. As part of the interpretive park design, the historic foundation walls were unearthed and stabilized, and became the focus of the surrounding park's design.

### SERVICES

#### Structural Assessment:

Provided excavation plans to execute the safe unearthing of the historic walls. Conducted a confined space entry into the underground culvert to determine its structural integrity and any potential consequences of unearthing the brick arch structure. Provided benching plans and shoring designs throughout the site to ensure safe working conditions.

#### Design and Documentation- "Phase IB"

Provided structural engineering consultation in the schematic design of perimeter retaining walls, stabilization treatments to the archaeological features, and general public access to the site.

#### Design and Documentation- "Reburial of Petty's Run Excavation"

At the request of the Client, the design team provided construction documents for the reburial of the excavation site, which included provisions for artifact stabilization and protection, specification of fill materials, and backfilling procedures.

#### Design and Documentation- "Stabilization of Petty's Run Excavation"

At the request of the Client for a revised park design, the design team prepared a series of design options and add alternates. SHL designed the stabilization treatments and protective features for all historic masonry walls on site. SHL also designed the perimeter retaining walls, site grading, and walkways, as well as other park features including light pole foundations, railings, and grating.