



## Indian Creek Drainage Basin Shafts City of Atlanta, Georgia

**Location:** Atlanta, Georgia

**Date:** 2002

**Structure:** TBM ACCESS and Receiving Shaft

**Depth:** 88 feet (27 meters)

**Cross-Section:** Oval-Shaped, 20 x 35 feet  
(6 x 11 meters)

**Geology:** Fill, Clay, Silty Sand, and Rock  
(Hornblende Biotite Quartz Gneiss)

**Cost:** Approximately \$270 Million

**Client:** Modern Continental Construction

**Owner:** City of Atlanta



**Figure 1.** Excavation in soil underneath a cast-in-place concrete shaft collar to be followed by shotcrete for initial support reinforced by lattice girders (different angle).

### Drainage Basin Tunnel Feasibility Study, Structural Design, and Construction Support Services:

Gall Zeidler Consultants (GZ) provided a feasibility study, detailed design and specifications, structural calculations, and construction support services for the Atlanta Indian Creek Drainage Basin Project's access and receiving shafts for Tunnel Boring Machines (TBMs) and hand-mined tunnel structures.



**Figure 2.** Excavation in soil underneath a cast-in-place concrete shaft collar to be followed by shotcrete for initial support reinforced by lattice girders.