

# Walden Ridge Factory-Built Booster Pump Station

Tennessee American Water Co., Chattanooga, Tennessee



Pumps and discharge control valves for high pressure service.



Interior view with pumps set.



Final installation.

**Project Data:**

**Project Scope:** Transmit water by pumping from Tennessee American Water Chattanooga System to Walden's Ridge Utility District System.

- Capacity (1400 gpm) initially - total station flow with one pump running
- 4 mgd (2800 gpm) future - total station flow with two pumps running

Prefabricated, Factory-Built, 650-psi discharge pressure pump station with two 700-hp, 4160 VAC, 1,400-gpm vertical turbine pumps with switchgear and all mechanical components and systems and with building, base structure and HVAC system.

**Design:** Booster Station Design by Engineered Fluid, Inc.

**Contractor:** Tennessee American Water Co.

**Order Date:** 7/11/05

**Installed Date:** 12/5/05

**Start-up Date:** 12/21/05

Project required rapid completion from design to delivery because of pending penalty for not meeting supply contract requirements.

**Participants:**

**Tennessee American Water** - John S. Watson, Vice President and General Manager  
**Project Manager,** Randy Taylor, 423-755-7629, randytaylor@amwater.com

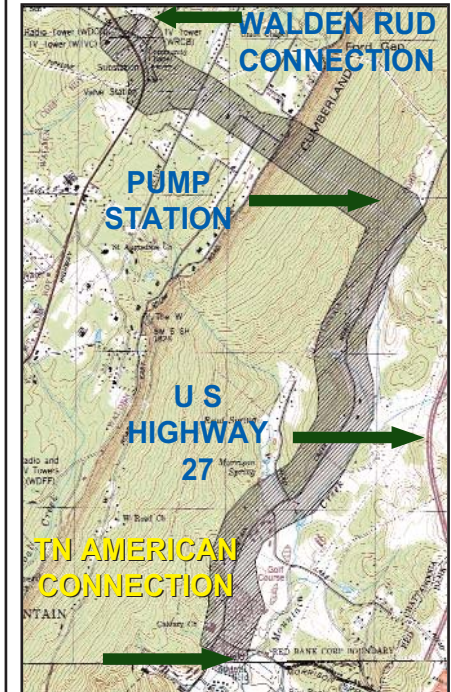
**Consulting Engineer** - Consolidated Technologies, Inc., Jerry D. Hightower, 423-267-7613

**EFI Representative** - Brann & Whittemore - Chris Byrnes, 615-377-9444, chris@brann-whittemore.com

**EFI Contacts** - Dave Ealy - Regional Manager, 317-442-5087, EFI@tctc.com; Joe Francois - Applications Engineer, 618-533-1351, jfrancois@engineeredfluid.com



EFI pump installation crew.



Location