



Ground/Water Treatment & Technology

PROJECT PROFILE

Groundwater Recovery & Treatment System

Project Location	New Jersey
GWTT Scope	Design / Build / Site Civil Work
Flow Rate	80 GPM
Contract Value	\$0.9M
Project Duration	8 Months
Contaminants	Chlorinated solvents

Key Project Details:

- Trenching and Installation of more than 1,500' of double-walled HDPE groundwater conveyance piping
- Construction of a 4" force-main and discharge outfall
- Installation of instrumentation and controls
- Installation of 40' x 60' concrete foundation
- Construction of a pre-engineered building to house treatment system components

Project Challenges:

- Project location required extensive coordination with local utility companies to mark off and avoid water, electrical, and sewer infrastructure
- Project execution spanned winter and early spring, which required modification of the task timeline to protect sensitive equipment and materials
- Multiple client-requested change orders imposed challenges for project milestones and completion schedule



Groundwater Recovery & Treatment System Project Narrative

GWTT was selected as the building and mechanical contractor for the design/build and installation of a groundwater recovery and treatment system. The project involved the installation of a 40' x 60' concrete foundation and a custom "carriage house" style pre-engineered building to house the treatment system components, which included an oil/water separator, two 4,000-gal equalization tanks, low profile air stripper, bag filtration, and liquid and vapor-phase granular activated carbon units.

GWTT installed a new potable water service to the building in addition to a new 200-amp electrical service to supply power to the treatment system components.

The site civil work included trenching and installation of over 1,500' of double-walled HDPE groundwater conveyance piping from two extraction wells to the treatment building. A 4" force-main and discharge outfall were constructed to facilitate the discharge of treated groundwater to a nearby stream.

Connect with our Remediation Contracting experts now: 800-770-0901



Ground/Water Treatment & Technology
627 Mt. Hope Road
Wharton, NJ 07885

p: (973) 983-0901
f: (973) 983-0903
www.gwttllc.com

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