

## Water Utility Connection

### VAMC Castle Point (Project 620A-17-203)

Wappingers Falls, NY



Project Owner:  
VA Western New York  
Healthcare System

Professional Services:  
2019 - 2020

Construction:  
2021

Est. Construction Cost:  
\$2 million

Design Fees:  
\$398,552

Contact:  
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## KEY ELEMENTS

- Land Surveying
- VA Specs, drawings, standards & directives
- Backflow prevention
- Geotechnical (soil borings)
- Water supply studies
- Campus fire flow evaluation
- SPDES General Permit
- Water system modeling
- Pump station design
- Utilities & metering
- Controls & communication
- Monitoring (pH, Temp, Etc.)
- Standby electrical power
- Cost estimating
- Construction phasing
- Detailed design narrative



## SUMMARY DETAIL:

This project includes two new water supply connections to provide domestic water and fire flow for the existing Castle Point VA Medical Center water distribution system. The project design work includes:

- Historical Water Usage Study & Estimated Future Demand Evaluation
- Campus Fire Flow Evaluation (Flow Rate & Volume)
- Town of Fishkill Water Supply Evaluation
- Topographic Site Survey and Underground Utility Locating Services
- Two separate water supply (service) connections from Town of Fishkill
- Booster Pumping Station w/ controls/communication run to Boiler Plant
- Communications System (Elevated Water Tank)
- Monitoring points and sample locations
- Geotechnical Soil Borings
- Asbestos & Lead Based Paint Abatement
- Agency Approval Applications (Town, DCDOH, & NYSDEC)
- Construction Phase Services
- SPDES General Stormwater NOT Certification
- NEPA – CATEX Review