NJAW Swimming River WTP
Plant Expansion

Total Contract: $19,668,147
Project Start: October 2019
Project Completion: April 2021

Resourceful.   Responsive.   Results.

Colts Neck
NEW JERSEY

NJAW Swimming River WTP

Plant Expansion / Colts Neck, NJ
Project Size: $19,668,147 / October 2019 - April 2021

Bowen is building a one million gallon concrete clearwell, electrical building, and high service pump station. Upon completion of the new clearwell, Bowen is replacing the baffle walls in the plant's existing clearwell. This project will allow the plant to effectively double its storage capacity.

Project Challenges:

- Bowen faced constant issues with concrete, from failed tests and long wait times to no-show testers. Bowen replaced the testing company, and worked with the concrete supplier to improve mix consistency.
- Swimming River had a very tight footprint without much available space. The project team was creative in finding storage spaces and work areas, as well as maintaining good housekeeping to best utilize our available area.

Bowen Resourceful:

- Bowen began site excavation by removing the raw water bypass line that split the excavation in half. This allowed Bowen to mass excavate the entire site and reinstall the raw water line during backfill.

Bowen Responsive:

- Bowen discovered a stretch of underground pipe that was PCCP, not DIP. The PCCP prevented Bowen from tying in the DIP valve as planned. Bowen developed and executed a plan for a 2 day outage to replace this run of pipe.

Bowen Results:

- Bowen was able to maintain the schedule through the COVID 19 outbreak. Progress was not slowed and Bowen maintained a safe and CDC compliant working environment.

PROJECT SCOPE

- Civil/Concrete work
- Site Work
- Underground Piping
- Structural Steel Erection
- Mechanical/piping

PROJECT SPECS

- 7,854 CY Backfill
- 2,400 CY Concrete
- 200 CY Single Concrete Pour
- 198 Tons of Rebar
- 52,330 SF of Formwork
- 5,000 LF of Piping
- 36.25 Tons of Structural Steel
- 90,000lb Pick
- 24" 36" 42" Diameter Piping

PROJECT TEAM

- Bowen Contact: Mark Cvetkovich
317.596.4687

Scan the barcode with your Camera App to see images of this project

BOWEN

RESOURCEFUL. RESPONSIVE. RESULTS.

www.bowenengineering.com