



## PROJECT HIGHLIGHT

### STORMWATER CONTROLS AND SITE STABILIZATION IN MATAWAN

Complex Drainage Infrastructure and Sheet Pile Installation Delivered with Zero Safety Incidents

**LOCATION:** MATAWAN, NJ

**PROJECT:** STORMWATER MANAGEMENT AND ENGINEERING CONTROLS

**PROJECT DURATION:** 3 MONTHS

**PROJECT VALUE:** \$1,200,000

#### PROJECT OVERVIEW

Ransom Consulting partnered with Cascade to eliminate severe flooding at a commercial site and adjacent roadway in Matawan, NJ. Prior to intervention, water accumulation disrupted operations and created safety hazards. Cascade delivered a comprehensive stormwater management and stabilization solution that included:

- Sheet Pile Installation:** 175 linear feet (LF) of 30 ft sheet pile wall driven with a hydraulic vibrating hammer for earth support.
- Stormwater System Construction:** 300 LF of 24" HDPE pipe, precast manholes, and doghouses.
- Structural Enhancements:** 12" concrete slab and 200 LF of curbing for surface integrity.
- Site Stabilization:** Groundwater dewatering, milling, regrading, and placement of an 80,000 square foot asphalt cap.

#### RESULTS

The project was completed on schedule within three months and maintained a flawless safety record with zero incidents. Cascade's integrated approach delivered measurable impact: after installation, inspections confirmed that previously flood-prone areas remained completely dry following a two-inch rainfall event. This outcome validated the effectiveness of the stormwater system and site stabilization measures.

