



## Tyco Fire Products Groundwater Control Facility

Marinette, Wisconsin

### A Grouted Impact® system is the solution for an area with high groundwater and a mixed organic fill soil profile

**Description:** Construction of a new single-story groundwater treatment facility as part of environmental remediation system.

**Subsurface Conditions:** 10-20' silty sand and organic fill overlying dense to very dense sandy silt. Static groundwater table at 4 feet below working grade.

**Geopier Solution:** A grouted Impact® system was used to support the foundations and floor slab areas that supported moderate to heavy equipment loads for a groundwater treatment building. The building site was adjacent to the Menomonee River, so high groundwater and the presence of mixed organic dredge spoils presented constructability issues using conventional soil correction methods. The Geopier® team overcame these challenging conditions by using grouted Impact piers to achieve optimum performance in settlement sensitive areas.



### PROJECT TEAM

**Owner:**

Tyco Fire Products

**Geotechnical Engineer:**

CH2M Hill

**Structural Engineer:**

CH2M Hill

**General Contractor:**

CH2M Hill

**Geopier Installer:**

Foundation Service Corporation

**Geopier Designer:**

Ground Improvement Engineering