



A Knowledge Corporation®

## Relevant Experience

---

### **BOREMCO CHEMICAL STORAGE TANKS Fall River, Massachusetts**



**Northeast Engineers & Consultants, Inc. (NE&C)** was retained by Boremco to provide a geotechnical investigation for two new chemical storage tanks at their waterfront terminal in Fall River, MA. NE&C's investigation revealed a 21-foot thick layer of fill material overlying moderately dense sands beneath the proposed tanks. In order to reduce potential settlement and to provide the best overall value proposition, we recommended that the tanks be supported on piles driven or drilled into the native sands and bedrock.

Alternate methods of support that were studied included removal and replacement of existing fill with engineered fill, or densification of the existing fill by compaction grouting. These options were not utilized due to concerns about potentially contaminated underlying soils and also possible impacts to the adjacent seawall. NE&C provided full-time monitoring of the pile driving operations and monitored the seawall to ensure there were no consequential effects or movement caused by the construction activities.