

IT Corporation

Support Restoration Technologies was contacted by the IT Corporation and asked to design a unique grouting plan to solve a unique problem. Waste was leaking from bunker trench drains and threatening to enter the ground. Continued leakage would ultimately cause groundwater contamination.

Support Restoration Technologies worked side by side with IT Corporation for nearly a year designing a grouting sequence that would completely solidify the bunker trench drains. Great attention was given to the grouting design because only one attempt could be made at grouting, the wrong application, sequence, or material selection could obstruct the bunker trench drains and not allow full penetration.

To make matters worse, there were three different soil types within the trench drains that had to be solidified, gravel, sand and dense graded aggregate. After reviewing every detail possible, grouting began April 2, 2002 and lasted approximately Two weeks. Once completed, dye was used to monitor and test the results of the grouting program through a series of wells. All indications to date show successful results with no additional leakage since completion of the grouting program.