

# Coney Island Yard Complex Long Term Flood Mitigation, Brooklyn, 2019-2022

## Highlights

- Jet-Grouting Program in Complex Geology
- Cut-Off Wall Constructed to Depths of up to 60 Feet
- 3800 Linear Feet of Cut-Off Wall Constructed

## Project Overview

The project required Design and construction of a water cut-off wall ranging up to 60 feet in depth using jet-grouting technology in complex geology that contained organic soil, peat layers, the presence of bio-fluids and natural obstructions.

## Strategy

Sovereign developed a plan using a combination of 3-foot and 5-foot diameter jet grouting columns to create the cut-off wall filling in between existing piles and adjacent to critical transit structures.

## Results

Work was completed between 2019 and 2022. Sovereign successfully created 3,800 linear feet of water cut-off wall.



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