

*Long Beach, NY*

*Tennessee Ave. Stormwater Pump Station*

## APPLICATION OVERVIEW:

We worked with D&B Engineers & Architects to design a new stormwater pump station in the Long Beach, NY on Long Island. After the devastation of Super Storm Sandy back in 2012, the area needed a way to pump excess stormwater to prevent flooding. We came up with a compact pump station that fit at the Tennessee Ave. dead-end and pumped out to the Reynolds Channel.

## PUMP STATION DETAILS:

With the limited space available, we fit a 10 ft. 8 in. x 10 ft. 8 in. x 17 ft. deep concrete water tight pump station. Two large 25 HP Barnes 10 in. submersible explosion proof non-clog pumps are rated to pump the stormwater for 3,000 GPM at 18 TDH. It's all controlled by a NEMA 4X duplex control panel with an Allen-Bradley CompactLogix PLC.

## INSTALLATION:

The installation was completed by JR Cruz and their subcontractors, with help from Excel Fluid Group as shown below:



### PUMP SYSTEM

*Duplex Concrete Stormwater Pump Station*



### INSTALL DATE

*May 2022*



### OPERATIONAL IMPROVEMENT

*Smaller Foot Print*



### SERVICE AREA

*Long Beach North Shore at Tennessee Ave.*

*Long Beach* NEW YORK  
— The City by the Sea —



D&B ENGINEERS  
AND ARCHITECTS



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**Design-Build Pump Stations**