



EXCEL FLUID GROUP, LLC

## APPLICATION OVERVIEW:

We worked with CT Consultants and Lloyd's Excavating to design and build two lift stations for the Village of West Union. Our NoVault pump station design removes the need for confined space entry by bringing the valve piping above grade and to eye-level for the service technician and included a turnkey HDPE wet well.

## PUMP STATION DETAILS:

Both stations included a prefabricated a 8 ft. diameter by 15.5 ft. deep HDPE wet well. This wet well will has an 100 year design life, is inert to H<sub>2</sub>S corrosion or other harsh chemicals and doesn't require any additional coatings. The prefabricated NoVault NV2 pump station enclosure was utilized to decrease on site installation times as as it arrived to the sites prefabricated with the piping, valves, and control panel all enclosed. The Gabbert station is equipped with 2 Barnes submersible grinder pumps designed to perform at 80 GPM @ 107 TDH and the Hale Station is equipped with 2 submersible explosion proof grinder pumps with a duty point of 80GPM @ 45.4 TDH.

## INSTALLATION:

The installation was completed by Lloyd's Excavating with oversight from Excel Fluid Group as shown below.

**West Union, OH**  
**Gabbert & Hale Pump Stations**



### PUMP SYSTEM

**Two Duplex NoVault Pump Stations**



### INSTALL DATE

**April 2022**



### OPERATIONAL IMPROVEMENT

**Long Term Solution with Ease of Install**



### SERVICE AREA

**Gabbert & Hale, West Union OH**



your trusted advisor  
**consultants**

→ engineers  
architects  
planners

THE VILLAGE OF

**WEST UNION**

SETTLED IN 1804

**Gabbert**



May 2023

**Hale**



**Design-Build Pump Station**