



EXCEL FLUID GROUP, LLC

APPLICATION OVERVIEW:

The City of Dayton worked with Sunesis Construction to develop a sanitary lift station that could handle the industrial and warehouse development along Successful Way. Water and sewer infrastructure was required to service this new station.

PUMP STATION DETAILS:

The Excel Fluid Group team built a prefabricated 10 ft. x 10 ft. x 7.5 ft. Industrialized Units steel building in our factory. This topped off a 6 ft. diameter by 25 ft. deep HDPE wet well, and two Barnes 4 in. submersible Sitcher chopper pumps designed for 250 GPM @ 38 TDH. It was all controlled by an Excel NEMA 12 Duplex Control Panel with 480V, Three Phase, 60 Hz supply and Allen Bradley VFDs and PLC. The prefabricated enclosure eliminated the concerns of confined space entry. Additionally, the HDPE wet well prevents H₂S corrosion or any need to deal with any further chemical treatment.

INSTALLATION:

The installation was completed by Sunesis Construction as shown below:



November 2021

Dayton, OH

Successful Way Sanitary Lift Station



PUMP STATION

Structural Steel Prefabricated Pump Station



INSTALL DATE

September 2021



OPERATIONAL IMPROVEMENT

Eliminate Confined Space Entry Hazards



SERVICE AREA

Industrial Development on Successful Way



Design-Build Pump Stations