

APPLICATION OVERVIEW:

In collaboration with Sands Decker and Rudzik Excavating, we designed and constructed a Water Booster Station for the Slope Creek reservoir in Barnesville Ohio. Given the rural and hilly location, we focused on creating a robust solution to meet the area's unique challenges.

PUMP STATION DETAILS:

The engineering team selected a booster station from Excel Fluid Group, featuring a factory-built concrete building. It includes three Weinman end suction pumps, certified by NSF, which fulfill the high head requirement of 265 TDH. The entire station is managed by an Arc-Sentry Triplex Control Panel. Additionally, EFG pre-installed a micro-comm system to facilitate communication with the treatment plant. With its rural nature, the municipality requested bulletproof shielding around the doors and exterior components.

INSTALLATION:

The installation was completed by the Rudzik Excavating team with the oversight of Excel Fluid Group as shown below:



November 2024

Barnesville, OH
Water Treatment Plant



PUMP SYSTEM

1) EXCEL Water Booster Pump Station



INSTALL DATE

August 2023



OPERATIONAL IMPROVEMENT

Supply Of Raw Water To WTP



SERVICE AREA

Slope Creek Water Treatment Plant



Rudzik Excavating
Struthers, Ohio

Design-Build Pump Stations