



EXCEL FLUID GROUP, LLC

APPLICATION OVERVIEW:

We worked with American States Utilities Services, Inc. (ASUS) to design a new wastewater pump station for a new tactical training facility at the SERE Training Complex in Fort Bragg, NC. There was only a small lot of land where a pump station could fit. To accommodate this limitation, ASUS and Fort Bragg went with the 3 ft. x 4 ft. NoVault pump station that eliminates the need for a separate valve vault or and minimizes utility easement requirements.

PUMP STATION DETAILS:

With the limited space available, we fit a 6 ft. diameter by 15 ft. deep HDPE wet well on a NoVault pump station. Two 15 HP Barnes 3 in. submersible grinder pumps are rated to pump 120 GPM at 175 TDH. It's all controlled by an ArcSentry™ duplex control panel with a Milbank NEMA 3R Aluminum Power Pedestal and Cummins 60kW Skid Mount Diesel Generator.

INSTALLATION:

The installation was completed by Locke-Lane Construction with consulting from Excel Fluid Group as shown below:



June 2022

Fort Bragg, NC

SERE Training Complex Pump Station



PUMP SYSTEM

Duplex NoVault™ Pump Station



INSTALL DATE

June 2022



OPERATIONAL IMPROVEMENT

Smaller Foot Print



SERVICE AREA

Fort Bragg SERE Training Complex



Design-Build Pump Stations