

Anne Arundel County, MD

Lothian Elementary School

## APPLICATION OVERVIEW:

We worked with Gannett Fleming to design a turn-key pump station solution that would replace an existing, failing pump station for Anne Arundel County. The turn-key integrated fiberglass pump station arrived to site, prefabricated with its aluminum hatch doors and safety grates, HDPE piping, cast iron valves installed and ready to connect.

## PUMP STATION DETAILS:

We met Anne Arundel County's standards with a 6 ft. diameter by 14 ft. deep wet well with an integrated 6 ft. by 5 ft. valve vault. Handling the waste was two 3 in. Sulzer-ABS submersible pumps running off of transducer and float backup controls. It was also equipped with 10 and 8 in. PVC vents to help the build up of sewage gasses. To complete the station, a chain-linked fence surrounded the pump station as it was at a school.

## INSTALLATION:

The installation was completed by Gradient Construction as shown below:



### PUMP STATION

*Turn-Key Fiberglass Grinder Pump Station*



### INSTALL DATE

*July 2019*



### OPERATIONAL IMPROVEMENT

*Replacement of Failing Pump Station*



### SERVICE AREA

*Anne Arundel County, MD*



# GANNETT FLEMING



ANNE  
ARUNDEL  
COUNTY

M A R Y L A N D



March 2020

Design-Build Pump Stations