

## CASE STUDY

# HP Storm Culvert Replacement

## Henrico County, VA

### OWNER

Henrico County, VA

### ENGINEER

Henrico County, VA

### CONTRACTOR

Henrico County, VA

### INSTALLATION DATE

August 2023

### PRODUCTS

45' (14 m) of 18" (450 mm) HP Storm pipe

### DESCRIPTION

Henrico County, in the Commonwealth of Virginia, recently approved HP Storm, manufactured from polypropylene, pipe to be used in roadways and right of ways.

The first maintenance project where HP Storm was utilized was a 45' (14 m) culvert. This was a replacement project where corrugated metal pipe (CMP) had been installed and was damaged. On-site training for the crew was provided by Advanced Drainage Systems.

The installation allowed the Henrico County maintenance crew to handle, cut and install the pipe for the first time with ADS personnel providing training. HP Storm is lightweight, which was a benefit to the crew allowing for a safer and faster installation.

Henrico County chose HP Storm as the pipe provided enhanced strength, superior hydraulics, ease of installation, long service life and corrosion resistance. After the success of this culvert, the county purchased HP Storm pipe to have in inventory for maintenance projects.

