

# Worthville Borough – Cliff Street

## Low Volume Road Project



**Problem:** An existing stone lined ditch could not carry heavy rain events and flooded the Borough Road. Existing pipes along the Borough Road transitioned from a 24” pipe down to a 15” pipe, causing repeated flooding. Repeated flooding caused severe erosion around the outlet of an undersized cross pipe.

**Solution:** The existing 15” and 24”undersized pipes were replaced with a 3’ squash pipe. The existing ditch was removed and stabilized; 137’ of stone lined waterway was established to safely convey runoff to a well vegetated area. The 12” existing cross pipe was replaced with an 18” cross pipe with head and end walls, with R5 stone stabilizing the outlet.

