

# Tionesta Borough – Elm Street

## Forest County



**Problem:** The existing cross pipes were too small. The existing end walls were crumbling and falling into the outlets. Erosion was occurring at the outlets of the existing cross pipes. Some of the inlets needed stabilized.

**Solution:** Four existing 10-inch diameter cross pipes were replaced with 18-inch diameter cross pipes. The crumbling end walls were rebuilt. An inlet box was installed. The inlets were stabilized with #1 stone to help filter out any sediment. R4 stone was installed at the outlets to help slow water down and prevent erosion.

