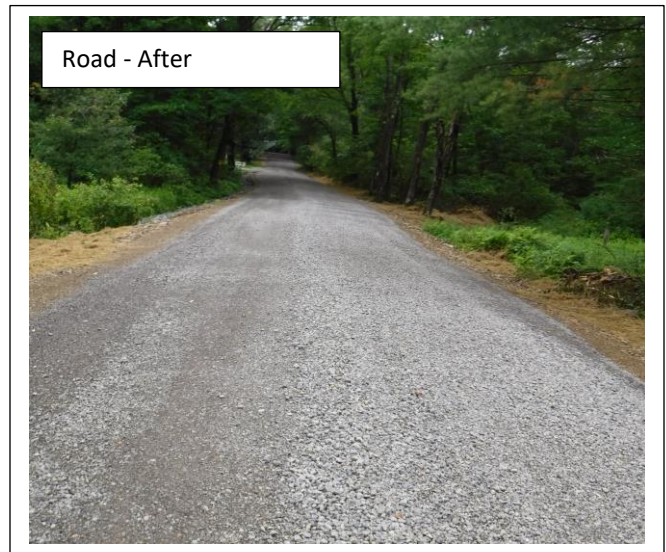


# Tionesta Township – Stitzinger Road Forest County



**Problem:** The existing road was entrenched and had inadequate drainage, causing the base to become unstable. Existing, deep ditches were discharge directly to nearby stream.

**Solution:** A new cross pipe (with head and end walls) was installed to collect runoff and direct it into a well vegetated area. The deep road ditch was filled to grade with #1 stone to help filter any runoff. The existing discharge to the stream was removed and replaced with a turn-out that encouraged runoff into a well vegetated area. The road was built up an average of 2' to stabilize the base and provide sheet flow. All disturbed areas were seeded and mulched.

