

Tionesta Township – Stitzinger Road

Forest County



Problem: A large amount of offsite runoff was accumulating in one area of the roadway at a high rate of speed. The road was entrenched. Existing ditches were extremely eroded. Large amounts of sediment were being conveyed directly to the stream.

Solution: A tear drop filtration system was constructed to slow the runoff to encourage any sediment to fall out. This would also help prevent down-gradient erosion. An additional tear drop system was installed at the inlet of a new stone lined channel as an additional measure to encourage the runoff to slow down. The road was built up 3 to 4 feet to establish a crown and to encourage sheet flow during rain events. An existing 15-inch driveway pipe was installed with a 2-foot diameter squash pipe to promote better ditch flow. Disturbed areas were seeded and mulch.

