

Knox Township – Sentner Road



Problem: Large amount of runoff being conveyed down a steep grade in an excessively deep ditch. A spring located in the roadway. The entrenched road provided no option to outlet the runoff, causing the road ditch and road base to become saturated. An existing cross pipe was inadequate during rain events.

Solution: The road base was built up on the steep grade, while also filling in the deep ditch. Four turnouts were installed to provide outlets for runoff to exit the roadway. Stone filters were installed at their outlets. Installation of a 152 sq ft French mattress to capture the spring in middle of road. Installation 600' of 6" underdrain. The inadequate cross pipe was replaced with an 18" pipe with head and end walls. Disturbed areas were seeded and mulched.

