

## Bell Township – Summit Road



**Problem:** Underground springs were leaching out of the road bank and flowing into the existing road ditch. A field drain also discharged into the existing road ditch. The road profile was low and causing the road to act as a ditch, carrying sediment directly to the stream. Severe erosion occurred in the ditch due to several large rain events.

**Solution:** – 1,100 feet of underdrain was installed to collect water from the springs and field drain. A pipe to convey water from the ditch was installed to stop erosion. A stone filtering system was built and an endwall was installed at the outlet of the pipe. The road profile was built up 2' to 3' and crowned to encourage sheet flow. The road bank was also sloped to prevent the ditch erosion.

