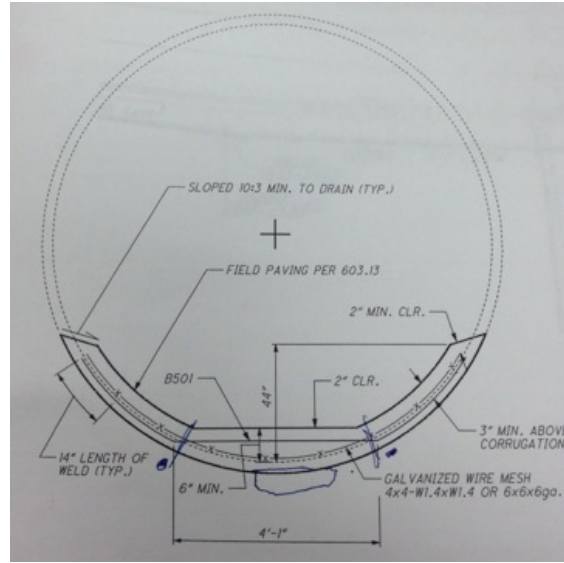


ODOT I-275 CMP Repair

Cincinnati, OH



Project Challenges	Solution	Support	Outcome
<ul style="list-style-type: none"> • Void fill and stabilize the CMP support soils • Water movement underneath the CMP was causing further soil degradation and exacerbating the problem • Further degradation could cause significant structural problems for the above interstate • Headwall soils allowing water infiltration under the CMP 	<ul style="list-style-type: none"> • Stabilize and densify support soils underneath the headwall, creating a non-permeable layer to stop water movement by use of Deep Injection of high density polyurethane • Deep Inject HDP material into the CMP support soils along the 532' long CMP • Injections made at 5 & 7 o'clock positions 	<ul style="list-style-type: none"> • ODOT and Ground Works designed the injection process using a hydrophobic 2 part Star 486 HDP material • Ride-able on State Contract • Utilized the FHWA granted PIF (Public Interest Finding) to ODOT 	<ul style="list-style-type: none"> • Problem Solved: Two day installation resulted in stabilized soils and a sealed CMP • Quick Installation: 2 Day installation and met needs of ODOT • Cost Effective: Project was completed with virtually no traffic disruption • Project was estimated to be ~10% of the remove and replace cost