

72" RCP Dam Outfall Pipe Repair

Gainesville, GA



Project Challenges	Solution	Support	Outcome
<ul style="list-style-type: none"> 72" RCP dam outfall pipe had water flowing along the outside of the pipe and entering the weak pipe joints Customer did not want to remove / replace the RCP because was in good condition Customer tried cementitious grout to seal joints and failed (see cementitious grout attempt in pipe haunch of picture on right) 	<ul style="list-style-type: none"> Stabilize and densify surrounding soils, creating a non-permeable layer to stop water movement by use of Deep Injection of high density polyurethane Inject the Uretek 486 material to seal the leaking joints Injections made at 5 & 7 o'clock positions of the pipe 	<ul style="list-style-type: none"> Uretek designed the injection process using a hydrophobic 2 part Star 486 HDP material We were able to fix the joints from inside the pipe and did not need to close the road 	<ul style="list-style-type: none"> Quick Installation: Project took 6 hours compared to 4 days to remove and relay the RCP (would not have needed to replace). Cost Effective: Project was more cost effective than remove/relay and bringing in additional fill material. Also, slip lining was not a viable option since the water was coming from the outside of the pipe.