

66" Brick Sanitary Sewer Wayne County (Detroit), MI



Project Challenges	Solution	Support	Outcome
<ul style="list-style-type: none"> • North Huron Valley Rouge Valley Short Term Corrective Action Plan (NHVRV STCAP) • 66" brick sanitary sewer • Under Telegraph Road in Dearborn • Deteriorated mortar caused I&I and potential failure 	<ul style="list-style-type: none"> • Inject URETEK 486 polyurethane on the outside to fill the voids, displaced unwanted water, and seal the joints • Stabilized surrounding soils and seal joints 	<ul style="list-style-type: none"> • Worked with Wayne County • Prime Contractor was Inland Waters • Advanced Underground Inspection 	<ul style="list-style-type: none"> • Inflow and Infiltration (I&I) Eliminated: Filled joints of deteriorated brick mortar • Soil Stabilized: Voids filled, leaks sealed and soils reinforced with polyurethane • Did not modify the hydraulic capacity as slip line would have