

Underground Drainage Line Repair

Gross Pointe Farms, MI



Project Challenges	Solution	Support	Outcome
<ul style="list-style-type: none"> • Previous sewer rehabilitation caused the broken saddle was not sealed and resulted in groundwater and soil infiltration • Eroding soil behind the box caused large voids and surface settlement • Asphalt settling 	<ul style="list-style-type: none"> • Drill 5/8" diam. holes to seal leaky joint behind the inside wall of the box • Utilized lazer levels to detect 1mm bump to detect soil density was obtained to lift roadway 	<ul style="list-style-type: none"> • Specifications • Designed injection quantity and depth • Pre-construction meeting • On-site installation 	<ul style="list-style-type: none"> • Minimal downtime: Work was completed within 6 hours, mitigating over one week of major traffic rerouting • Financial Savings: Saved client \$59,000.00