

Oak Meadows Manhole Restoration

Pensacola, FL



Zero Excavation Inflow & Infiltration Restoration



Project Challenges	Solution	Support	Outcome
<ul style="list-style-type: none"> • Inflow & Infiltration into sanitary sewer system • Pavement failure due to loss of bearing soils • Surface depressions due to soil migrating into manhole structure • Manhole, joint, and lateral line encapsulation and sealing 	<ul style="list-style-type: none"> • Inject URETEK polymer using The Deep Injection Process and pole camera monitoring system to encapsulate and seal faulted joints from inflow and infiltration from surface. • The Deep Injection Process at 4 distinct elevations to fill voids and densify weak base soils to prevent additional pavement settlement 	<ul style="list-style-type: none"> • Onsite meeting with Emerald Coast Utility Authority (ECUA). • Designed injection locations, quantities and depths • Pre-construction and Safety meeting onsite with crew • On-site installation • ECUA's vacuum truck onsite to remove Polymer outcropping. 	<ul style="list-style-type: none"> • Infrastructure Restoration: URETEK polymer compacted and void filled loose surrounding soils to rehabilitate sanitary sewer system • In-situ Technology: Restored and increased soil load-bearing capacity at depth in 1 day with minimal disruption