

NAS – Inflow & Infiltration Restoration

Pensacola, FL



Zero Excavation Inflow & Infiltration Restoration



Project Challenges	Solution	Support	Outcome
<ul style="list-style-type: none"> • Inflow & Infiltration into storm drain system • Pavement and manhole structure settlement due to loss of bearing soils • Surface depressions due to soil migrating into storm drain system • Manhole, joint, and lateral line encapsulation and sealing 	<ul style="list-style-type: none"> • Inject URETEK polymer using The URETEK Method to encapsulate and seal faulted joints from inflow and infiltration • The Deep Injection Process at 4 distinct elevations to fill voids and densify weak base soils to prevent additional pavement and structure settlement 	<ul style="list-style-type: none"> • Pre-estimate meeting with NAVFAC • Designed injection locations, quantities and depths • Pre-construction and safety meeting onsite with crew • On-site installation 	<ul style="list-style-type: none"> • Infrastructure Restoration: URETEK polymer compacted and void filled loose surrounding soils to rehabilitate storm drain system • In-situ Technology: Restored and increased soil load-bearing capacity at depth in two days with minimal disruption