

USACE SATOC – Manhole Sealing

Ft. Rucker, AL



Project Challenges	Solution	Support	Outcome
<ul style="list-style-type: none">• Inflow and infiltration at 25' deep manhole and 5ea storm drain lines• Multiple, recurring sinkholes caused by Inflow & Infiltration with 30' radius of manhole	<ul style="list-style-type: none">• Inject URETEK polyurethane through manhole to seal• Deep Injection Process along rim of each of the 5ea pipes at engineered locations within 30' radius of manhole and down to 30' depths to displace water, fill voids & stabilize soils outside of pipe.• URETEK used in conjunction with CIPP lining	<ul style="list-style-type: none">• Pre-Estimate Meeting with USACE to determine project scope• Designed injection quantity and method to meet USACE specification• Pre-construction meeting• On-site installation	<ul style="list-style-type: none">• Minimal intrusion: Work performed in two days with no excavation• Manhole Sealing: Provided Positive Side Seal• Soils stabilized: Soils stabilized to prevent future seepage and stability to soil