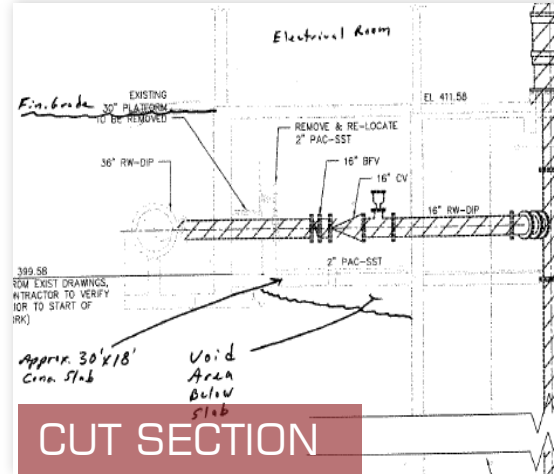


Raw Water Pump Station Void Fill

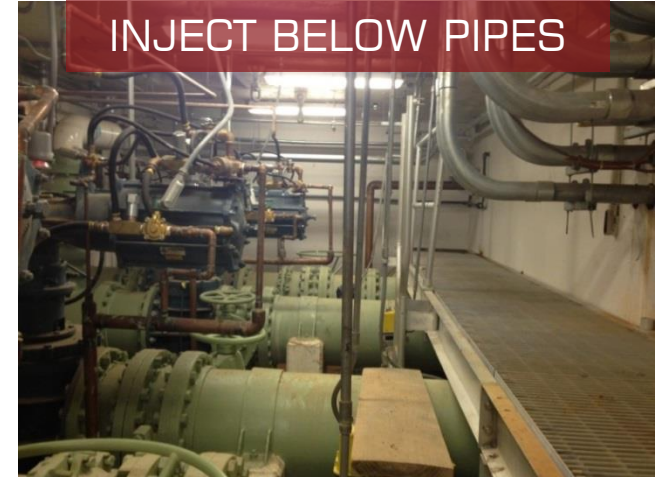
Clarksville, TN



ACCESS



CUT SECTION



INJECT BELOW PIPES

Project Challenges	Solution	Support	Outcome
<ul style="list-style-type: none"> • Continuous void beneath mechanical room slab (up to 32" void; average 12" void) • Adjacent to wet well • Difficult site access and injection location clearance • Slab was a basement room with only ladder access 	<ul style="list-style-type: none"> • Inject URETEK polyurethane through mechanical room slab to fill voids • Deep Injection Process at edges to provide curtain wall of material 	<ul style="list-style-type: none"> • Pre-Estimate Meeting with Prime Contractor and JACOBS ENGINEERING (EOR) • Designed injection quantity and depth • On-site installation 	<ul style="list-style-type: none"> • Minimal intrusion: Work performed in a Half-Day with no excavation or shutdown • Void-Fill & Slab Stabilization: Fill extensive void beneath slab • Soils stabilized: Soils stabilized to prevent future erosion / stability hazards