Shipyard Machine Shop

Newport News, VA

GROUND WORKS SOLUTIONS

Project Challenges	Solution	Support	Outcome
• Various amounts of settlement in columns and slabs. • Differential settlement damaged structural components and pulled cranes out of alignment. • Buried wood sills and untreated wood piles. • Building constructed between 1890 – 1910.	• Inject using the URETEK Deep Injection Process™ for a minimally disruptive, zero excavation stabilization. • Multiple elevations were injected under both static and dynamic loads.	• Designed injection plan to support the columns and transfer imposed loads through the zone where the piles had failed. • DCP tests ran pre-injection, between static and dynamic loading injections, and after all injections.	• **Minimal downtime:** Work was sequenced and completed with very little disruption. • Columns were stabilized, with DCP analysis to demonstrate the increased bearing capacity.