



Stabilize Column Foundations in a Historical Warehouse

Project Challenges	Solution	Support	Outcome
<ul style="list-style-type: none"> • 1930's era factory warehouse space being converted to Support Services Complex by UT. • Variable soils and subsurface conditions, with poor bearing capacity. • Variable sizes and depths of existing foundation elements. • Poor condition of existing foundations. 	<ul style="list-style-type: none"> • Utilize Uretex Deep Injection Process to place material around and below the column footings to fill voids, displace soft soils, and increase bearing capacity. • Stabilize foundations without demolition and excavation at each column. 	<ul style="list-style-type: none"> • Ground Works was involved with pre-construction design process to develop injection plan, specs, and quantity of material to be competitively bid. • Professional engineer stamped shop drawings and certified design. • Coordinated installation with Demolition and Abatement. 	<ul style="list-style-type: none"> • Fast and Convenient: Work performed over 6 weeks without impacting the critical path of the schedule. • Cost Effective: Stabilization performed at 60% of the cost of other systems considered, and below the bid budget. • Soils stabilized: Soils stabilized to prevent future settlement.