

Milk Silo Tank Pad Stabilization

Constantine, MI



Project Challenges	Solution	Support	Outcome
<ul style="list-style-type: none"> • 5' thick concrete slab was already in place when the facility decided they needed a larger silo due to increased milk production • The soil bearing capacity was insufficient for the new larger milk silo 	<ul style="list-style-type: none"> • URETEK Deep Injection Process was engineered to stabilize and increase bearing capacity of soils below the 5' thick slab • GWS worked with others to have holes drilled thru the 5' slab in order to insert the injection tubes • GWS injected at 3 different depths: -8', -12', -16' 	<ul style="list-style-type: none"> • Schematic budget provided to geotechnical engineer for analysis versus helical piers • Provided bid specifications and recommended quantity for basis of unit price bid. • Designed injection quantity and depth. 	<ul style="list-style-type: none"> • Minimal intrusion: Work performed during workday with no impact to drive-thru garage adjacent to slab • Increased bearing capacity: Soil bearing capacity increased and new milk silo installed. • Cost Savings: Significant cost savings versus other systems.