

Ryan Foods

Murray, KY



Project Challenges	Solution	Support	Outcome
<ul style="list-style-type: none"> • 50,000 gallon milk tank and foundation pad were settling, also affecting two adjacent buildings. • High water table and fine grain soils (80% passing 200 sieve). • No bearing horizon down to 75' below the surface. 	<ul style="list-style-type: none"> • The URETEK Deep Injection process was used to stabilize and bridge weak soils at two different levels below the pad. • Grouting with Uretek's polymer added just over 7,000 lbs of materials, whereas cementitious grout would have added over 25 tons. 	<ul style="list-style-type: none"> • Designed an injection plan that would allow the densified soils to bridge over the weaker soils at depth, which was the more cost-efficient approach. 	<ul style="list-style-type: none"> • No lost production: The tank was filled and emptied 3x per day while Ground Works worked, and no production was lost. • The tank pad was monitored for 2 years after Ground Works stabilized the soils, and no settlement was observed. • HDR verified no settlement 15 years later! (Dec 23, 2015)