CHS/MKC – Grain Loading Terminal

Canton, KS

GROUND WORKS SOLUTIONS

Project Challenges	Solution	Support	Outcome
• The majority of the facility was stable as it was built on piles but a crucial electrical power center (MCC house) as well as transportation rail and concrete slabs were constructed on poorly compacted soil with poor drainage. • In addition, settlement had cause a joint to separate and was causing water ponding in the Boot Pit	• Utilize the URETEK Patented Deep Injection Process to rehabilitate the load bearing capacity of sub-soils in the following areas… 1. Motor Control Center (MCC) Building was settling 2. Rail Car Loading Area 3. Approach Slabs to the Truck Unloading Area 4. Sealed a Leaking Joint in the Boot Pit	• ZERO FACILITY DOWNTIME was allowed for this project. GWS worked closely with facility operations to make sure they were unaffected • GWS' SE worked extensively with the Owners of the JV and their GC to value engineer a successful solution to treat the highest priority areas with the most cost effective approach.	• **Success:** Foundation Soils Stabilized, Slabs were Stabilized, and Voids filled. • **Quick Fix:** Work completed in a fraction of the time to excavate and reconstruct. • **Value:** Project completed within budget and has prevented further damage to the facility. • **Uptime:** GWS rehabilitated the Rail Bed soils while rail cars were actively being loaded!