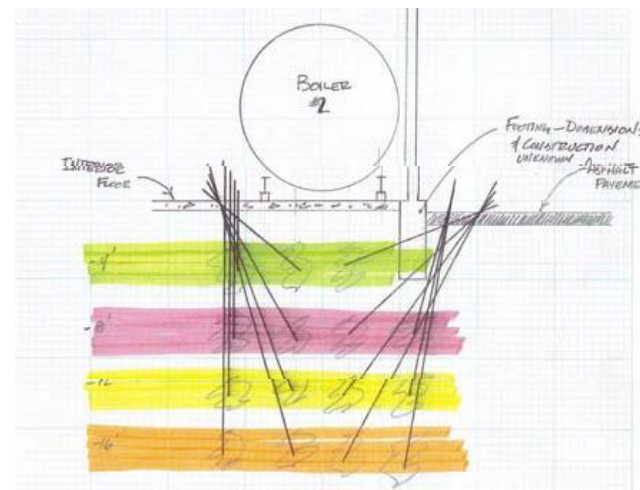
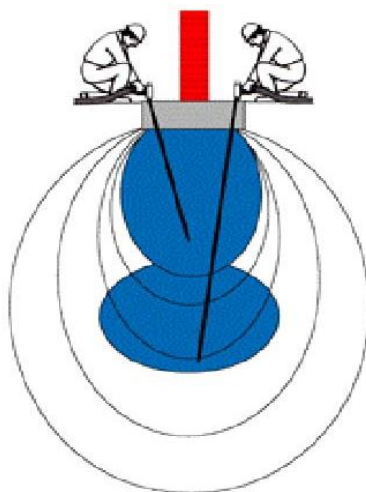


Conagra Foods – Boiler Settlement

Council Bluffs, IA



Project Challenges	Solution	Support	Outcome
<ul style="list-style-type: none"> Boiler had settled 3" at one end. Building was built in 1940s. Boiler was constructed in 1962-1963. Boiler used backup, but steam is critical to plant processes. Weak soils extended 18' - 22' below the boiler. 	<ul style="list-style-type: none"> DCP tests were performed to determine the depth of weak soils. URETEK Deep Injection process was utilized to deliver 4 rows and 4 levels of material to transfer the load of the boiler to more stable soils. 	<ul style="list-style-type: none"> Designed injection plan based on results of DCP test to achieve most effective stabilization. Devised logistics plan allowing for the boiler to be used during the injection process (in fact it was used part of the time). 	<ul style="list-style-type: none"> Zero downtime: Plant production continued normally. Soils were stabilized and minor lift was achieved (limited due to utilities serving the boiler). Some building foundations were also stabilized during the mobilization.