

Lake Jackson- 42" Ductile Iron Water Reclamation Plant



After five years of service the water reclamation plant in Lake Jackson, TX experienced a large amount of ground movement and settling at the new facility. The Plant Superintendent asked if Smith-Blair could manufacture a step down encapsulation fitting for the 48" ductile iron pipe that had shifted between the two concrete ground transfer structures. During a Smith-Blair job site visit, it was obvious the failure of the current fitting was due to the extreme stresses caused by the ground movement.

The vertical off set was approximately two inches and the distance between the concrete structures was five feet. The customer wanted the split step down sleeve to cover as much as possible from wall to wall even though there was limited sealing surfaces on one side.



The photo shows the contractor installing the end rings to complete the process. Smith-Blair manufactured the sleeve for a perfect fit (including length) while allowing enough room to bolt the split sleeve together with ease in the limited space.