

Bracco Pond Outfall – Void Fill

City of Cocoa – Cocoa, FL



Project Challenges	Solution	Support	Outcome
<ul style="list-style-type: none"> Concrete slope pavement had significant elevation loss and the 1st joint of the RCP pipe failed, permitting water infiltration from embankment. Water infiltration caused soil erosion that created voids, ranging from 18" to 36" inches. 	<ul style="list-style-type: none"> Inject structural polymer under concrete slope pavement to fill voids and stabilize the structure to prevent collapse. Inject structural polymer to fill approx. 680 CF of void and seal 1 corrugated metal pipe. 	<ul style="list-style-type: none"> Designed injection plan Pre-construction meeting On-site installation Double impingement gun injection 	<ul style="list-style-type: none"> Problem Solved: One day installation resulted in void space being filled, slope pavement stabilized, and 1 joint sealed to customer satisfaction. Minimal impact: Work completed ahead of schedule