



AquaBlok®

Installation Summary

Objective: Dam Construction & Pond Rehabilitation

Location:
Setting:
Project Status:

We've built a
Better Bentonite.™

Photo 1: Uniform distribution of AquaBlok 2080FW directly through the water using an excavator.

Project Objective: Seal off pond from fluctuating water levels and create an aesthetically pleasing environment for employees of a nearby business visit.

Background: A few buildings and foundations were removed to make room for two new stormwater ponds. Eventually, the ponds connected with a nearby creek underground. This was thought to be the result of leftover debris from the buildings that had been buried or an underground layer of gravel or sand. The connection with the creek dictated the water elevation of the ponds. When the water level in the creek rose or fell, so did the water levels in the ponds.

In addition to regulating stormwater, these ponds were intended to serve as a water feature for employees of a nearby business to frequent for lunch and other breaks throughout the work day.

Technical Challenges: The contractors were required to seal the ponds off from the nearby creek, while maintaining an aesthetically pleasing environment for those visiting the pond.

AquaBlok Solution: Five truckloads of AquaBlok, packaged in 2,400lb super sacks, were used to line the entire bottom and slopes of the stormwater ponds.

Equipment Used: Skid steers and rakes were used to evenly distribute the AquaBlok material.

Timeline: The entire project was completed in four days and consisted of two days of site prep and two days of AquaBlok installation.

Results: After installation, the ponds were filled to their intended water levels and have since been maintained.



Photo 2: First pond after installation.



Photo 3: After AquaBlok installation and growth of vegetation.



Photo 4: Pond prior to AquaBlok installation.



Photo 5: A 2ft-deep spring in the bottom of the second pond.



Photo 6: Pond uniformly lined with AquaBlok 2080FW.



Photo 7: Pond uniformly lined with AquaBlok 2080FW. Pond is starting to fill.



Photo 8: Up-close image of AquaBlok 2080FW immediately after installation. Here, the material is just starting to hydrate and swell. Note the dry material in the bottom right corner.



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