

CASE STUDY CASEY'S GENERAL STORES

Underground Stormwater Detention System



Project
Location
Date
Engineer
Salesperson
Owner
Contractor

Underground Stormwater Detention at 2 Casey's Stores Joplin & Duquesne, MO March 2013 Archer - Elgin, Rolla, MO ASP Enterprises Casey's General Stores Williams Construction, Springfield, MO

THE CHALLENGE

Installation of an Underground Stormwater Detention System below the parking lot of two new Casey's General Stores in the area that were destroyed by tornadoes in 2011. The underground detention allows the owner to expand their parking area and do away with a standard detention basin.





THE SOLUTION

Modular tanks wrapped in Mirafi 180N geotextile and encased in a 45 mil Firestone EPDM Geomembrane with a Mirafi BXG 110 Geogrid reinforcement grid above the detention cells.

THE PRODUCTS

TENCATE FIrestone NOBODY COVERS YOU BETTER

Product: Mirafi 180N Geotextile and BXG 110 Geogrid

Manufacturer: TC Mirafi

Product: Firestone 45 mil EPDM Geomembrane Liner

Manufacturer: Firestone

Product: Modular Detention Tanks









THE RESULTS

This system was successfully installed at two brand new Casey's General Stores in a matter of only a few days. The underground detention allows for more parking, cleaner stormwater and less maintenance as well as satisfying all stormwater runoff volume reduction requirements.

YOUR TRUSTED SITE **SOLUTION SPECIALISTS**

ASP Enterprises

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