

CASE STUDY

StormTech® System Detains Construction Facility's Stormwater Fort Myers, FL

OWNER

Downrite Engineering, Miami, FL

ENGINEER

Morris-Depew Associates, Fort Myers, FL

CONTRACTOR

Downrite Engineering, Miami, FL

INSTALLATION DATE

October 2025

PRODUCTS

2,109 StormTech SC-800 Chambers

1 30" (750 mm) Nyloplast® Drain Basin

1 36" (900 mm) Nyloplast® Drain Basin

CHALLENGE

Downrite Engineering expanded its operations from Miami to Fort Myers and constructed a new facility that includes a warehouse, office and yard storage. As part of the development, the site required a large-capacity stormwater retention system to manage runoff from the parking lot, roof and storage yard.

SOLUTION

Downrite Engineering utilizes Advanced Drainage Systems' products to deliver efficient, reliable stormwater management on its projects and selected StormTech chambers, N-12 Dual Wall Pipe and Nyloplast Drain Basins for its new facility.

To manage runoff from the parking lot, roof and storage yard, the ADS design team engineered a large-scale StormTech system featuring 2,109 StormTech SC-800 chambers. The system was designed in connected beds with N-12 Dual Wall Pipe providing conveyance between the beds.

Stormwater is collected through two Nyloplast Drain Basins - one 30" (750 mm) and one 36" (900 mm) - placed on either side of the site. Runoff enters the Nyloplast Drain Basins and



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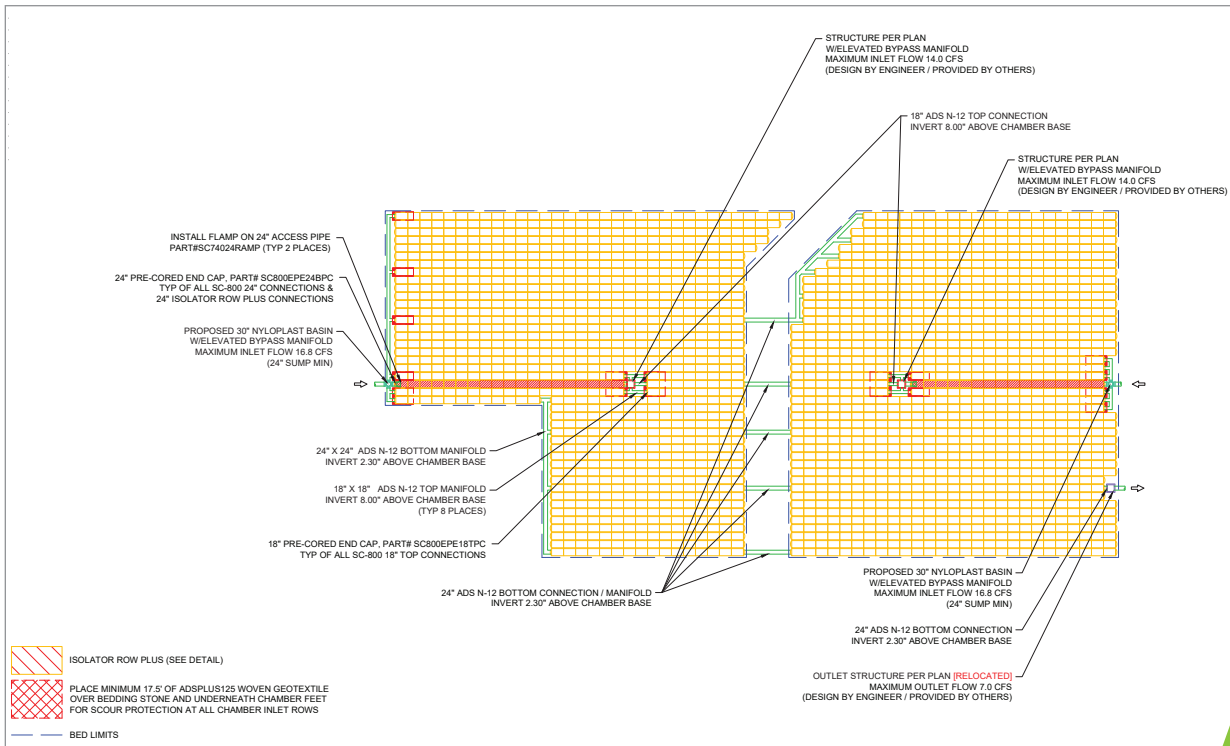
enters StormTech Isolator® Rows, which capture suspended solids and pollutants before water enters the chamber system.

The StormTech chambers provide high-volume detention and controlled stormwater release to ensure stormwater is managed effectively before discharging into Fort Myers' stormwater system.

PRODUCT DESCRIPTIONS

StormTech chambers are designed to save valuable land, reduce flooding risks and protect water resources. The chambers provide a durable structural system and are designed in accordance with AASHTO LRFD Bridge Design specification for HS-20 live loads. StormTech chambers are available in a variety of sizes to meet any project need and are injection molded for uniform wall thickness.

Nyloplast Drain Basins and Curb Inlets were custom built for the project as they are for each application. Nyloplast products are more durable and corrosion resistant than precast basins and combine a rugged PVC structure with ductile iron grates. The basins can be easily adjusted in the field to meet the final grade. The structures are shipped with rubber gaskets to ensure a watertight connection.



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