CASE STUDY

Complete Stormwater System Allows Boucher Ford Expansion

Bristol, WI

OWNER
Boucher Ford, Bristol, WI

ENGINEER
RASmith, Brookfield, WI

CONTRACTOR
Willkomm Excavating & Grading, Union Grove, WI

INSTALLATION DATE
February 2024

PRODUCTS
340 StormTech® MC-7200 Chambers
6 Nyloplast® 30" (750 mm) Drain Basins
400' (122 m) of 12" (300 mm) N-12® ASTM
420' (128 m) of 15" (375 mm) N-12 ASTM
1,220' (372 m) of 18" (450 mm) N-12 ASTM
1,300' (396 m) of 24" (600 mm) N-12 ASTM

DESCRIPTION

Boucher Ford expanded their dealership area to include a new 500' x 200' (152 x 61 m) lot on which to store vehicles. The dealership needed to control stormwater to prevent flooding and standing water.

Advanced Drainage Systems, Inc. (ADS), with previous success creating car dealerships' stormwater management systems, helped create the systems' modeling using an array of products. Stormwater is captured in Nyloplast drain basins, conveyed through N-12 ASTM pipe and stored in StormTech MC-7200 chambers.

After being captured with the six Nyloplast drain basins, the water is conveyed to the StormTech chambers. The StormTech chambers detain the water during peak rain events and slows stormwater release into the municipality's sewer system at the required rate. N-12 pipe is utilized to run the stormwater from the StormTech chambers to the municipal sewer system.

adspipe.com
800-821-6710

ADS provided the stormwater management system with cost savings, ease of installation, safe and minimal storage on site and fewer truck loads for item delivery.

Nyloplast drain basins 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.

N-12 dual wall pipe has a corrugated exterior and smooth interior wall that provide exceptional strength and hydraulics. The inert HDPE material is resistant to the effects of chemicals, abrasions and hot soils. N-12 is available in 4”-60” (100-1500 mm) diameters and in 20’ (6 m) lengths. The inline bell design allows for pipe ends to be pushed together for easy installation.

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 the 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. StormTech end caps can be either pre-cut or cut in the field to fit the manifolds, which will save installation time. The end caps also add to the structural integrity of the system and in larger sizes provide storage capacity.

This custom stormwater management system provides a high-performance, cost-effective solution to prevent flooding in extreme weather events.

adspipe.com
800-821-6710

ADS “Terms and Conditions of Sale” are available on the ADS website, www.adspipe.com
The ADS logo, N-12®, Nyloplast®, StormTech® and the Green Stripe are registered trademarks of Advanced Drainage Systems, Inc.
© 2025 Advanced Drainage Systems, Inc. 08/25 MH