

Costco Reduces Footprint and Costs with Complete Stormwater Solutions

Capture

4 30-36" (750-900 mm)
Nyloplast® Basins

Conveyance

340' (104 m) of 10" (250 mm) N-12®
500' (152 m) of 6" (150 mm) N-12

Storage

129 MC-3500 StormTech®
Chambers

Treatment

8 EcoPure® Systems
5 42" (1050 mm)
Flexstorm® Pure filters
10 48" (1200 mm)
Flexstorm Pure filters

INSTALLATION DATE

March 2026

OWNER

Costco, Camarillo, CA

ENGINEER

Kinley horn, Orange, CA

CONTRACTOR

DTS Engineering, Long beach, CA

Challenge

Costco built a new warehouse grocery store and gas station to serve the Ventura County area. A stormwater management and treatment system was required for the large parking lot.



Solution

The project engineer, Kimley Horn, had specified StormTech frequently for stormwater management systems on other projects. Due to the familiarity with the product, Kimley Horn chose to use StormTech at the Costco warehouse and contacted Advanced Drainage Systems' (ADS) representatives.

The ADS representatives saw StormTech was on the project, but a competitor's product was on the plans for water quality. ADS asked Kimley Horn to look at EcoPure BioFilter as a water quality alternative.

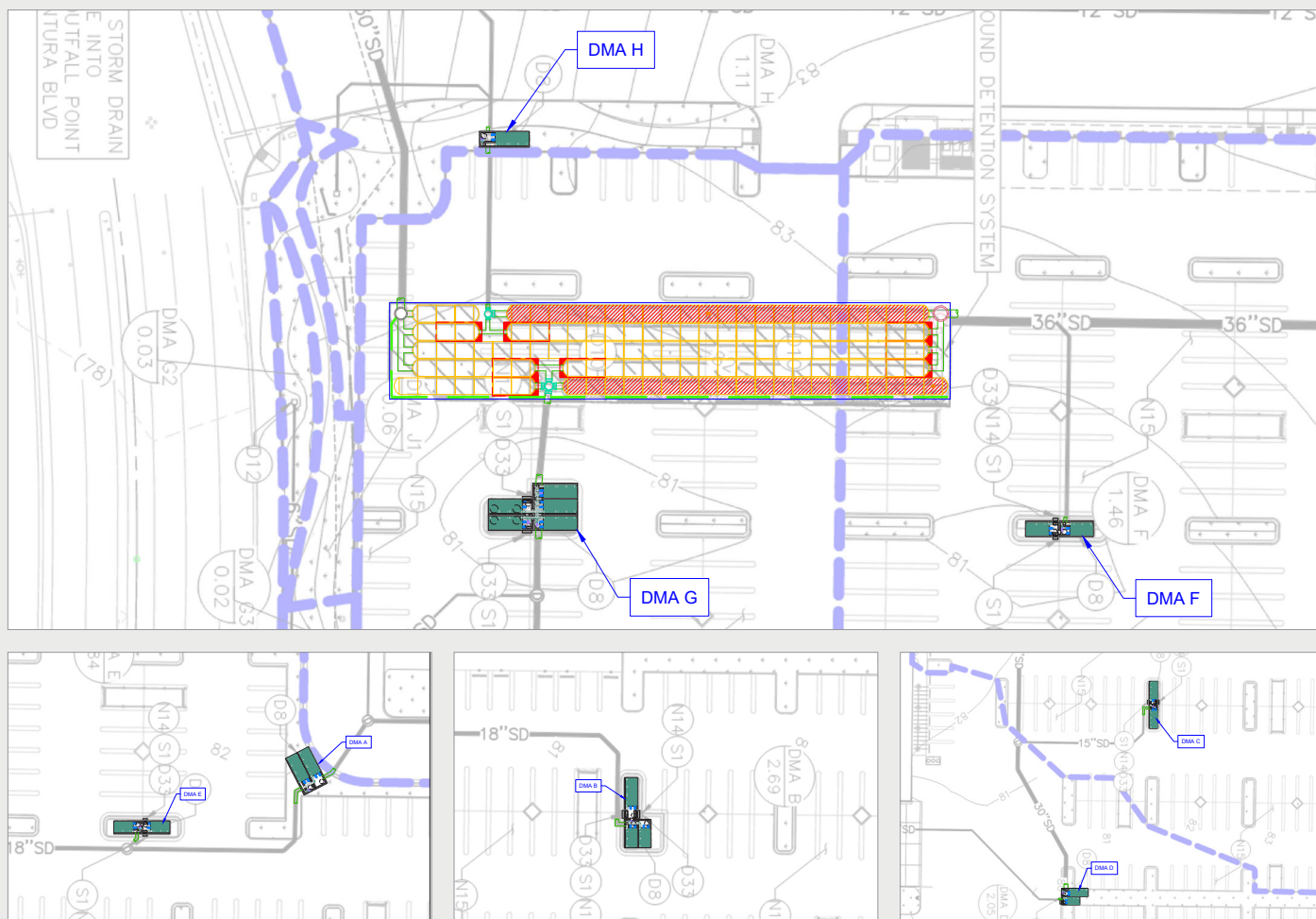
ADS submitted sizing and pricing for eight EcoPure biofiltration systems to Kimley-Horn. The EcoPure BioFilter solution reduced the overall water quality treatment footprint, allowing the systems to fit within the parking lot islands while accommodating the required inlet and outlet configurations. The proposed systems also met the required treatment flow rates and provided a more cost-effective solution compared to alternative approaches.

After the StormTech and EcoPure BioFilters were chosen for the Costco site, ADS representatives were able to secure more products on the project.

- Four Nyloplast basins were added to capture the stormwater.
- 340' (104 m) of 10" (250 mm) N-12 dual wall HDPE pipe was chosen for stormwater conveyance. 500' (152 m) of 6" (150 mm) perforated N-12 dual wall was used for an underdrain on the StormTech system.
- 5 42" (1,050 mm) Flexstorm Pure filters and 10 48" (1,200 mm) Flexstorm Pure filters were used at the catch basins to capture all of the stormwater's first flush.

In addition to being more cost effective and providing the needed requirements, ADS products were also easier to source. ADS has facilities near the site and could deliver the products as needed and in a timely fashion.

Project Plans



Products Utilized

Capture



Nyloplast Drainage Structures

Innovative stormwater solutions, featuring heavy-duty PVC construction and a variety of ductile iron grate options. Ideal for stormwater projects, they include inline drains, drain basins, curb inlets, road structures, and grates, all compatible with plastic underground drainage systems.

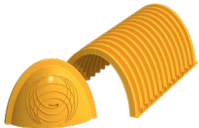
Conveyance



N-12 Pipe

The standard for HDPE drainage pipe with its smooth interior and corrugated exterior walls. N-12 pipe is available in diameters from 4"-60", plus a complete line of fittings and accessories. N-12 offers exceptional hydraulics, strength and corrosion resistance. N-12 addresses subsurface and stormwater gravity-flow drainage needs.

Storage



StormTech Chamber System

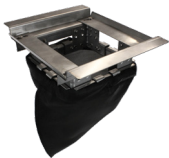
Maximize land use with unmatched cost-efficiency. Engineered for strength under roads, parking lots, and heavy loads, StormTech sets the standard for compact, high-performance stormwater management - delivering superior value and reliability in demanding applications.

Treatment



EcoPure BioFilter

Manufactured stormwater treatment system designed to remove traditional stormwater pollutants of concern through screening, settling, filtration, and sorption processes. The EcoPure BioFilter system uses an engineered high flow biofiltration media to provide treatment of large areas in a compact precast vault configuration.



FlexStorm Inlet Filters

Available in both temporary or permanent models. The filter bag hangs suspended below the grate which allows full bypass flow into the drainage structure if the bag is completely filled with sediment.



5 Reasons ADS is the Only Partner You Need for the **Entire Stormwater Package**



One Point of Contact.

We are the only company that can deliver the entire package as a fully integrated system.



Simplified Delivery.

By purchasing the entire system from ADS, your products arrive on time, so your project stays on schedule and runs efficiently.



Our Solutions Scale to Your Needs.

From airport and roadway projects to residential builds, we have the solutions you need.



Free Online Tools.

Only ADS gives you the digital tools to do it all. From product specification and calculations to project value assessments and more.



Support from Start to Finish.

From design to installation, ADS has more experts ready to provide guidance and technical knowledge when you need it.



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