



A Value Choice: Using our own Stormwater Products at our New Tank Facility

When you're designing and manufacturing products that are part of underground infrastructure systems, it's not every day that you have the chance to actually use your own products.

Location:

- Blythewood, South Carolina

Application:

- Stormwater detention

Storage Volume:

- 20,000 gallons

Products:

- 277 S-29B HydroChain™ chambers

Customer:

- Xerxes, A Mattr brand

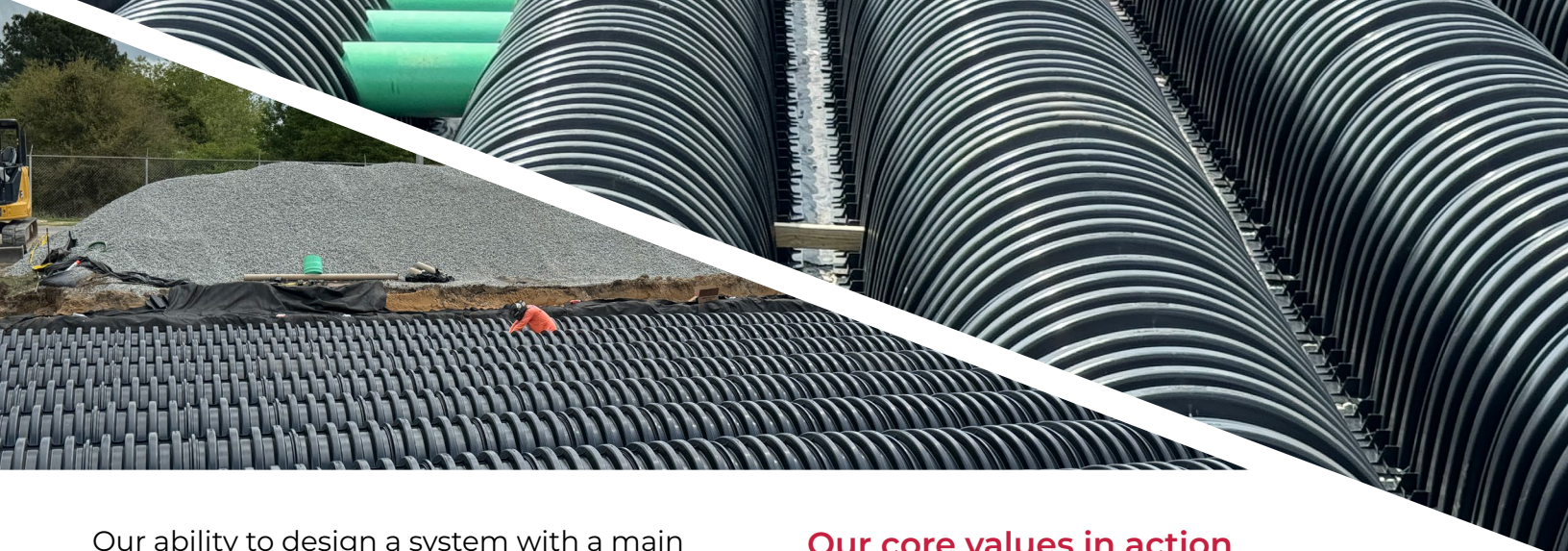
In planning our new Xerxes tank manufacturing facility in Blythewood, South Carolina, it was clear that the site required a stormwater retention/detention system.

Runoff is a major cause of water pollution today. Replacing natural ground cover with nonporous surfaces adds to the already critical need to both manage stormwater and mitigate damage caused by contaminants in runoff.

Xerxes is in the business of creating secure, long-term underground solutions.. So, even if it wasn't required, we know that working to protect our precious water resources is the right thing to do

Chamber system with storage and water quality functions

Although the overall property is large, the stormwater system was confined to a small area. Of the several models in our HydroChain chamber product line, our stormwater engineering team determined that our new S-29B chamber was the perfect choice given the small available area.



Our ability to design a system with a main header row allows a simple chamber system to improve water quality by capturing pollutants. The main header row serves as a collection point for incoming runoff before it passes through the chambers and filters back through the soil to recharge aquifers, just as it does in the natural environment.

An added benefit of this configuration and the structural integrity of our chambers is that inlet pipes can be placed anywhere in the system. This can optimize hydraulic efficiency, and reduce overall project costs by eliminating the need for manifold systems, manholes and catch basins.

The material benefits of fiberglass-reinforced plastic

HydroChain chambers are manufactured of reinforced fiberglass-reinforced plastic, which adds strength to the chamber system, while maintaining the benefits of a lightweight material. They are easy to stack, ship and store. It takes only one person to carry and place the chambers.

The chambers meet the strength and design standards of ASTM F2418 and ASTM F2787, including HL-93 (H-20) vehicle loads.

Our core values in action

It's one thing to talk about how great our HydroChain chambers are. It's another thing to show our customers how much we truly believe that they are the perfect solution for many new and retrofit development projects.

The day our new chamber installation was completed at our new facility – literally in our own backyard – it was a great day, for HydroChain, for Xerxes and for Mattr.

This was our first opportunity to incorporate our stormwater products into a Mattr property. Using our composite chambers – which are being manufactured in our new HydroChain and Flexpipe facility in Texas – into this tank manufacturing facility is especially gratifying.

- Tom Tietjen, vice president of Xerxes

