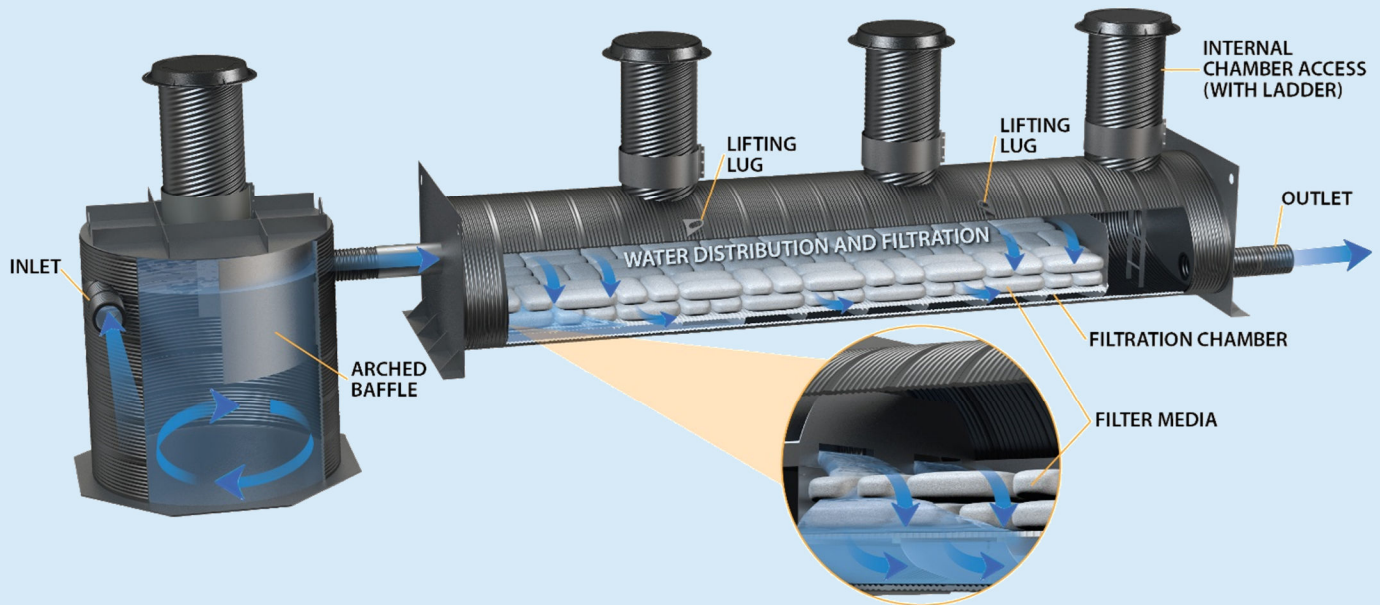




Bulverde Commercial Project

Aqua-Filter • San Antonio, TX • November 2024

PRODUCT / SOLUTION

Aqua-Filter

CONSULTING ENGINEER

Pape-Dawson
 San Antonio, TX

CONTRACTOR

DNT Construction, LLC
 San Antonio, TX

• THE PROBLEM

Located in San Antonio, TX, the Bulverde Commercial project is a 20-acre retail center with fast-food restaurants and a gas station. To manage stormwater runoff from the expansive impervious coverage, the engineer of record initially included a large concrete filtration system.

• OUR APPROACH

During project budgeting, AquaShield worked with the engineer and contractor on an effort to reduce cost and lead time. By employing Polymer Coated Steel, instead of concrete, the Aqua-Filter stormwater filtration system provided a lighter and easier-to-install alternative.

• THE OUTCOME

The system was selected for its compliance with the Texas Commission on Environmental Quality (TCEQ) requirements and ability to reduce the overall stormwater costs for the project. Additionally, with 6-week lead times, from shop drawing approval to delivery, the product offered flexibility to the contractor on staging activities.

PROJECT PHOTO GALLERY



Fully Assembled Delivery

The fully assembled Concentrator and Filtration Chamber units delivered fully assembled and watertight tested, ready for installation without field assembly.



Easy Connection

The Concentrator and Filtration Chamber units come with built-in pipe stubs to facilitate easy connection between the units and nearby structures.



Pretreatment Concentrator

Each system is comprised of an Aqua-Swirl Concentrator and a Filtration Chamber. The inclusion of a pretreatment unit decreases long-term maintenance.



Dual Chambers Equal Higher Treatment

In higher flow rate designs, the Aqua-Filter system is able to combine two Filtration Chambers to a singular Concentrator to offer increased treatment flow rates.