

# S. McKnight Rd. Stormwater Quality Case Study



The Midwest's Most Trusted Site Solutions Provider

Project: South McKnight Road Improvements  
Location: Ladue, Missouri  
Application/Solution: Municipal Stormwater Quality  
Market Sector: Private Commercial

Salesperson: Guy Litteken  
Owner: City of Ladue/Metropolitan St. Louis Sewer District  
General: Gershenson  
Engineer: Horner and Shifrin  
Installed: 2014

case study



case study

## Challenge

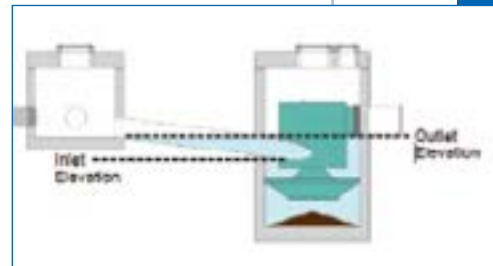
Road reconstruction and improvements in most urban areas require stormwater quality enhancements. Urban right-of-way is always a challenge to design and install stormwater Best Management Practices because of restricted space and costly purchase of additional ROW.

## Solutions

The Design Engineer selected the Downstream Defender by ADS/Hydro International to meet the stormwater quality requirements mandated by St. Louis MSD.

## Results

The Downstream Defender was selected because of its high water quality approved treated flow rate and efficient design. Through the review process, ADS/Hydro International reviewed the engineer's drawings, improved the design and provided custom shop drawings during the submittal process. The unit was installed in the same manner as a standard concrete manhole and provides efficient pollutant capture.



1 The Downstream Defender has a submerged inlet to reduce headloss and improve efficiency and pollutant capture.



2 Simple bracket installation.



3 Connections made just like a regular manhole.



## Products

Manufacturers included in solutions and product:

Product:

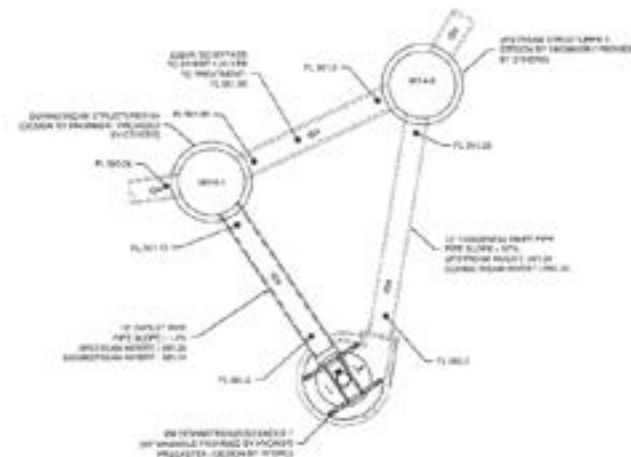
Downstream Defender

Manufacturer:

Hydro International



**4** Offline design to increase sediment and debris capture.



6' Downstream Defender Offline – Plan View

## Company Information

ASP Enterprises, Inc. and Quick Supply Co. For more than three decades, A.S.P. Enterprises and Quick Supply Co. has served the erosion control industry with integrity and expertise. We provide engineers and landscape contractors the exceptional value for their money and have grown to become the Midwest's full-line distributor of erosion-control, geosynthetics, storm water management products, wall block, landscape pavers, and drainage products.

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