

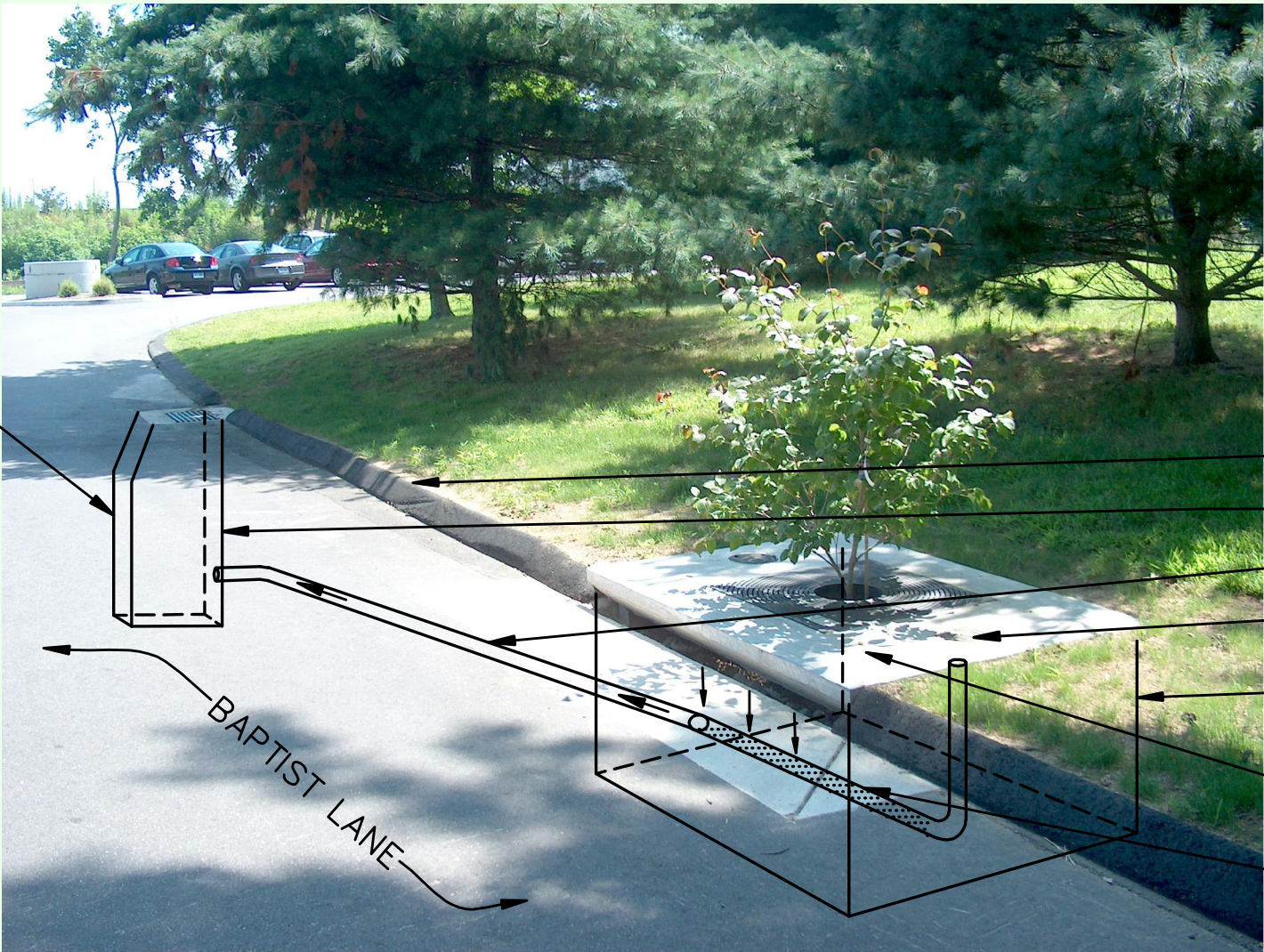
PROBLEM:

STORMWATER, CARRYING ALL OF THE CONTAMINANTS FROM THE ROAD, PREVIOUSLY ENTERED INTO THE PICTURED CATCH BASIN UNTREATED.

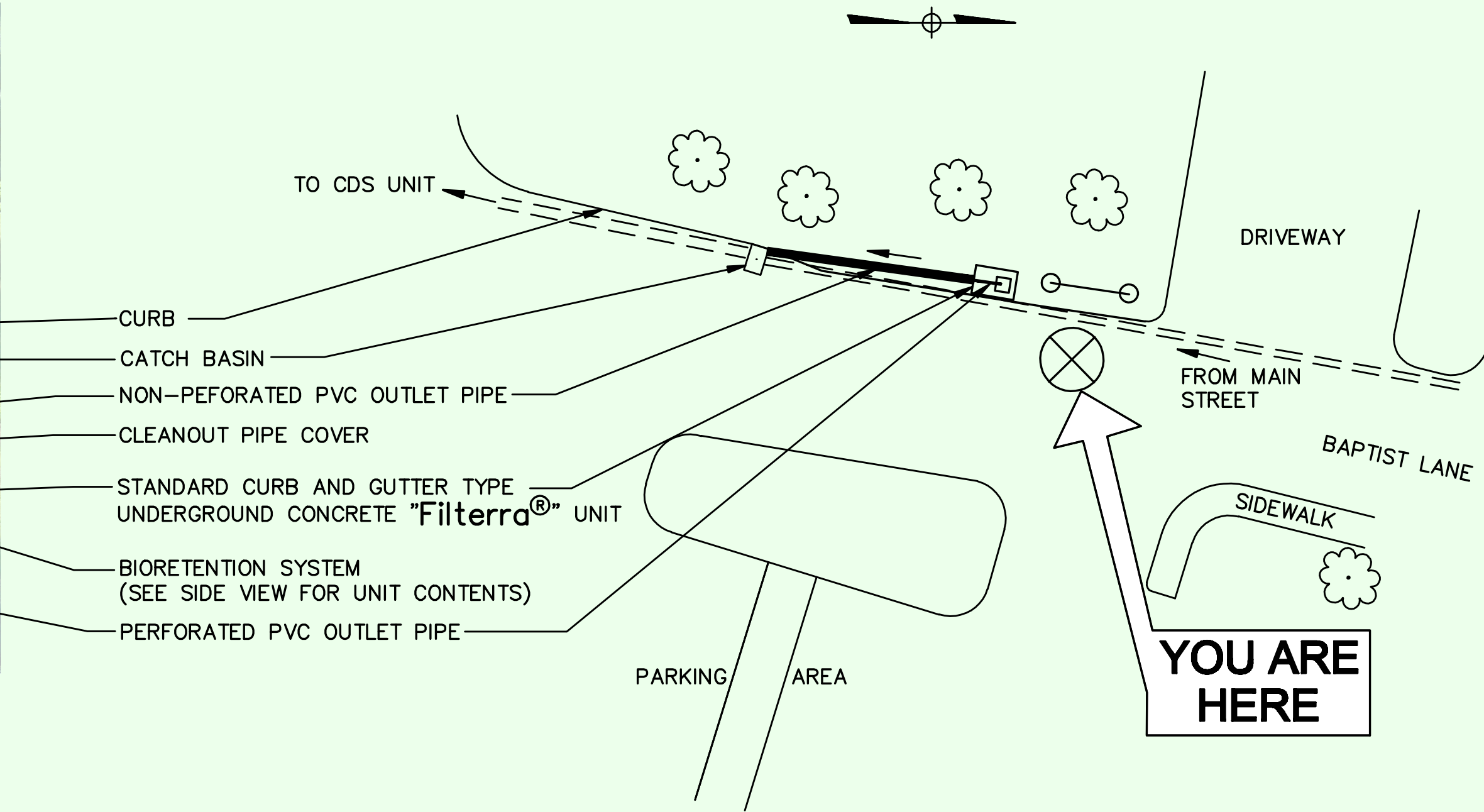
HOLE-IN-THE-WALL PARKING LOT
LONG ISLAND SOUND STORMWATER QUALITY IMPROVEMENTS
FILTERRA® UNIT

SOLUTION:

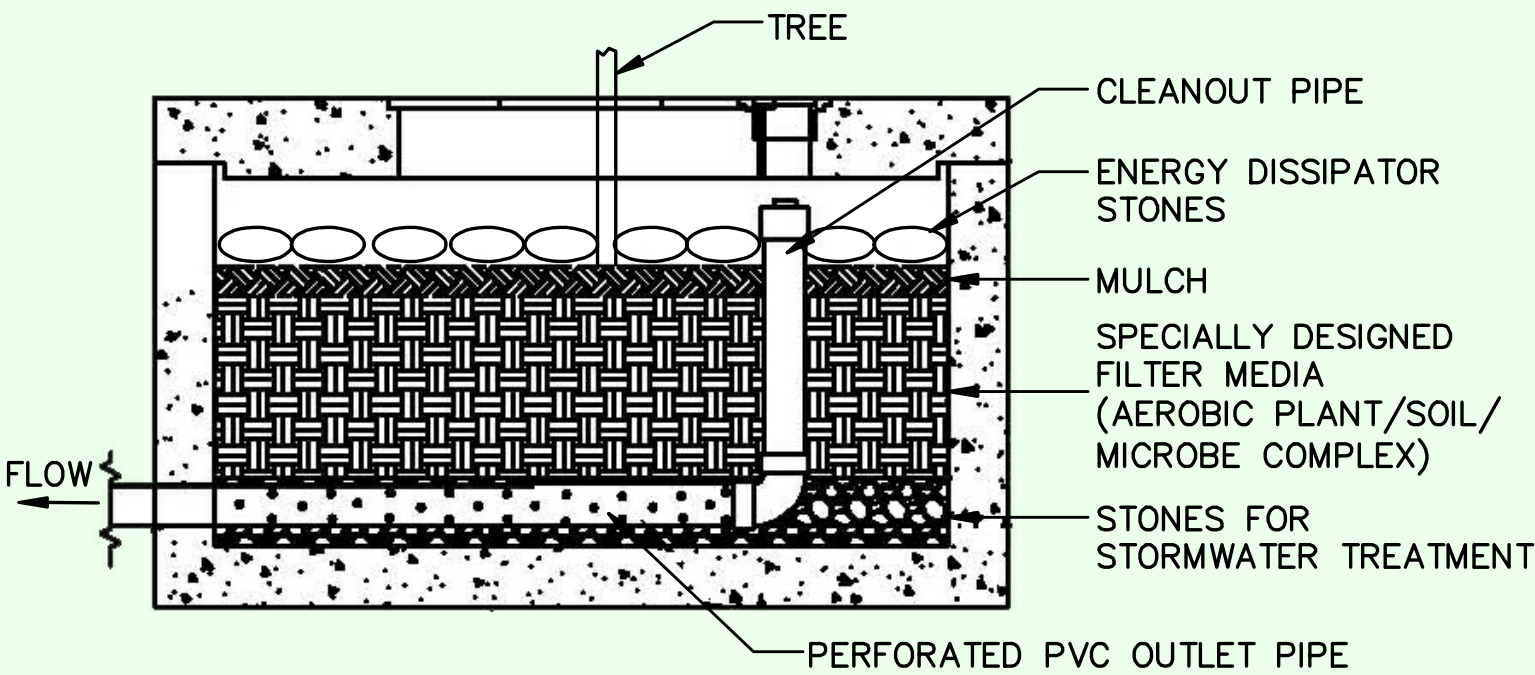
A CONCRETE FILTERRA UNIT WAS ADDED TO FILTER AND TREAT CONTAMINANTS WITHIN STORMWATER.



View Looking South



Top View
(Plan)



Side View

How does a Filterra® unit work?

A Filterra unit is a bioretention system that harnesses the power of nature to capture, cycle and immobilize stormwater pollutants to treat urban runoff. For effective stormwater management, the combination of landscape vegetation and a specially designed filter media allows bacteria, metals, nutrients and Total Suspended Solids (TSS) to be removed naturally as stormwater passes through the filter media. The filter media is designed to capture pollutants during the storm event while biological processes degrade, metabolize, detoxify, and volatilize the pollutants during and between storms.

Acknowledgements

Filtterra unit donated by:
Filtterra® (a Division of Americast)
11352 Virginia Precast Road
Ashland, VA 23005
(866) 349-3458
www.filtterra.com

Educational Corner

- Terms to study:
- Catch Basin
 - Low Impact Development (LID)
 - Sustainable Design
 - Stormwater retro-fit
 - Bioretention system
 - Total Suspended Solids (TSS)



Project concept, design and construction management by the East Lyme Engineering Department.



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Managed by the State of Connecticut, Department of Economic and Community Development (DECD) and the Department of Environmental Protection (DEP).

