

# CATCHMENT A1-05

## Catchment Characteristics

DEP ID A1-05

Size 14 acres

Impervious Cover Breakdown

Rooftop 25% (3.4 acres)

Parking 75% (10.3 acres)

Roadway 0% (0 acres)

Existing Stormwater Management System – No  
Stormwater Infrastructure Ownership – Private

## Opportunity Overview

**Tier 1:** Provide "end of the pipe" below grade storage and filtration for primary catchment area. Include development of surface soil media filter during construction of below grade system in same location.

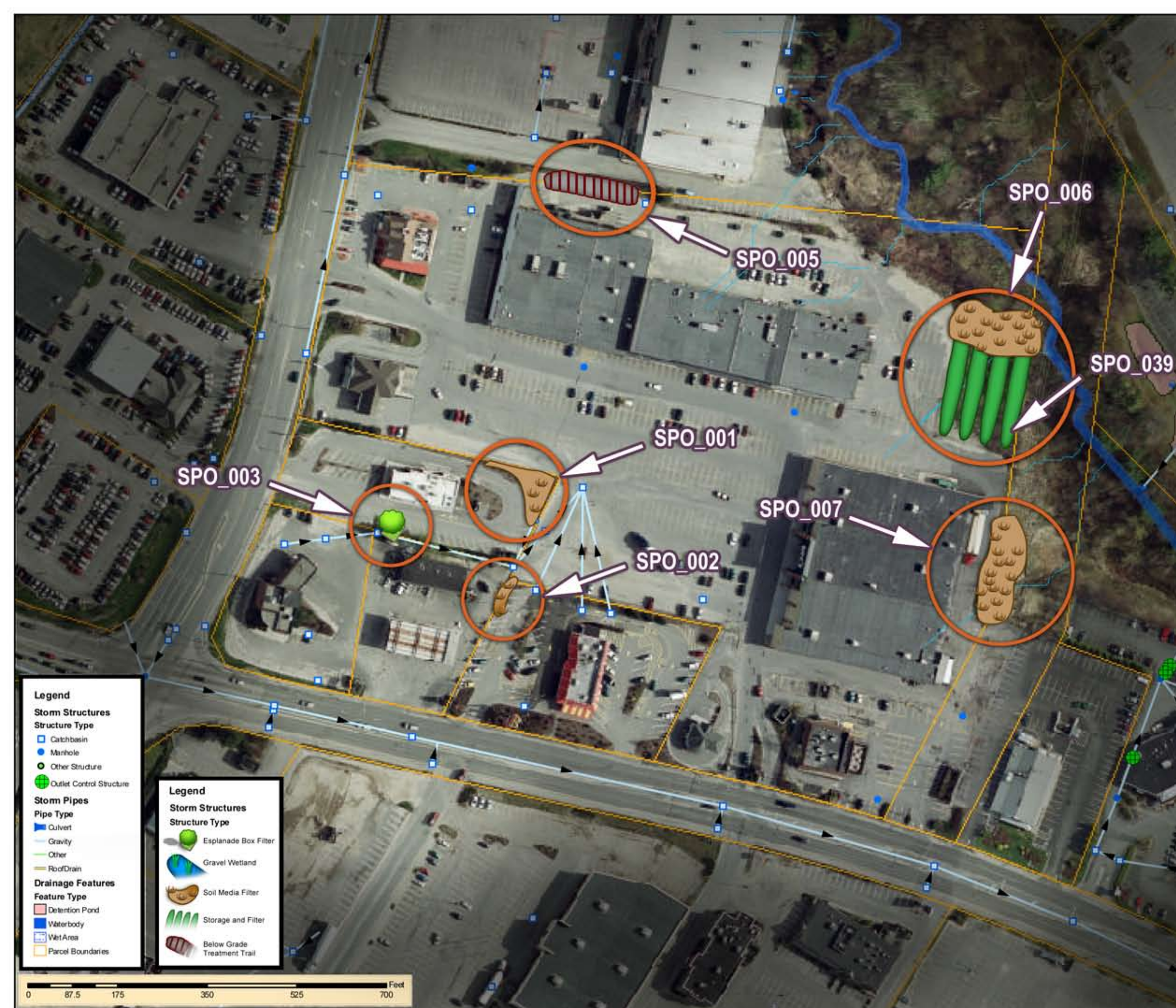
**Tier 2:** Implement additional water quality retrofits in other portions of catchment area to enhance function of Tier 1 system.

**Tier 3:** Integrate Tier 1 and Tier 2 designs to reach ideal treatment threshold for entire parcel. Install soil media filter for Dick's rooftop runoff (currently outside of catchment area).

Tier	Retrofit ID#	Estimated Cost
1	SPO_006 SPO_039	\$460,000
2	SPO_001 SPO_002 SPO_003 SPO_005	\$165,000
3	Integration of Tier 1 and Tier 2 SPO_007	\$170,000

## Considerations

Detailed survey and engineering evaluation of existing storm drain infrastructure near outlet will be necessary to determine appropriate options for stormwater treatment system in this area. SPO\_005 assumes sufficient depth of adjacent storm drain to install a below grade water quality filter system.



**Legend**

**Storm Structures**  
Structure Type

- Catchbasin
- Manhole
- Other Structure
- Outlet Control Structure

**Storm Pipes**  
Pipe Type

- ▬ Culvert
- ▬ Gravity
- ▬ Other
- ▬ Roof Drain

**Drainage Features**  
Feature Type

- Detention Pond
- Waterbody
- Wet Area
- ▭ Parcel Boundaries

**Legend**

**Storm Structures**  
Structure Type

- Esplanade Box Filter
- Gravel Wetland
- Soil Media Filter
- Storage and Filter
- Below Grade Treatment Trail

