

CATCHMENT A1-14

Catchment Characteristics

DEP ID A1-14

Size 8 acres

Impervious Cover Breakdown

Rooftop 11% (0.6 acres)

Parking 43% (2.5 acres)

Roadway 46% (2.6 acres)

Existing Stormwater Management System – No
Stormwater Infrastructure Ownership – State

Opportunity Overview

Tier 1: Enhance existing dry detention basin on private property to manage public and private stormwater runoff.

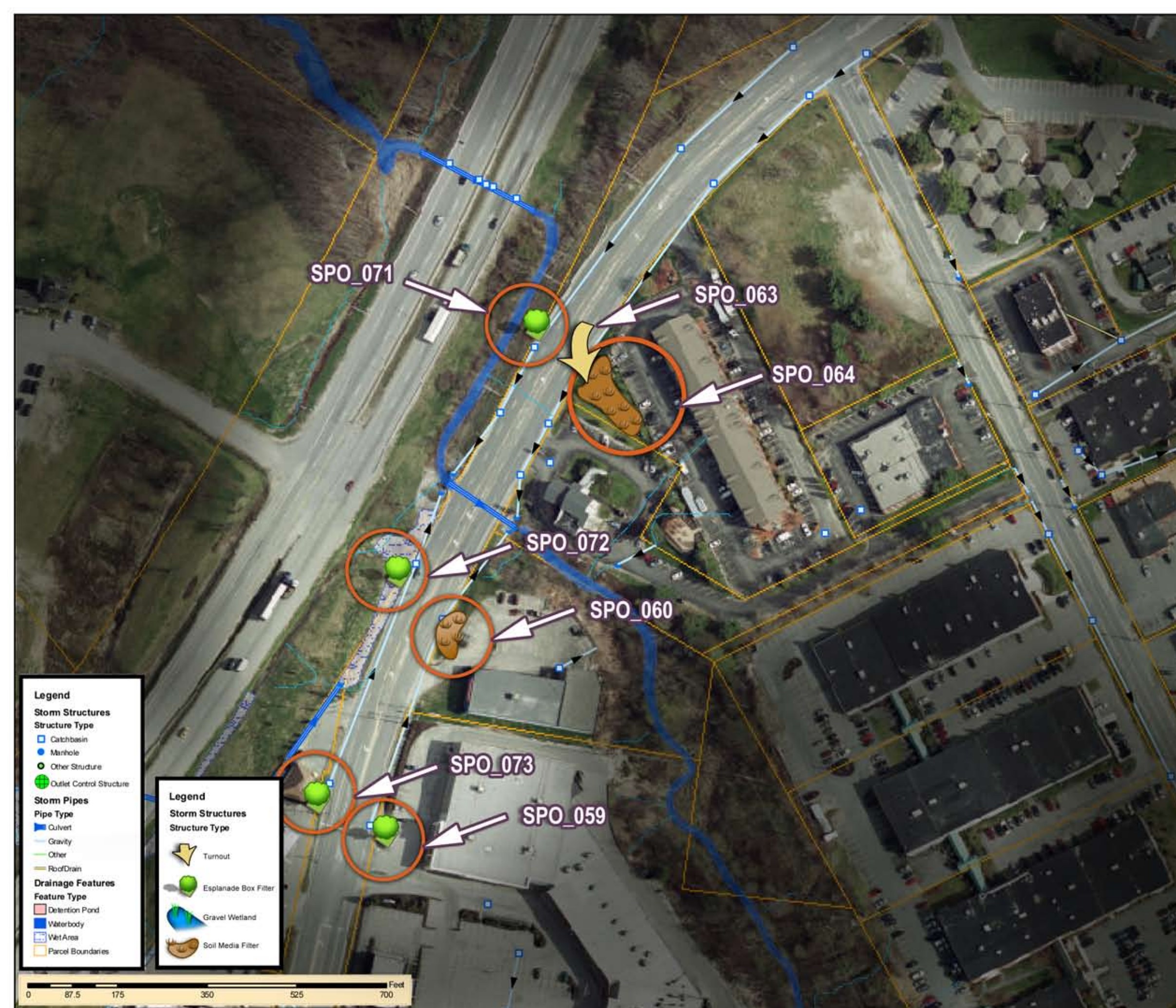
Tier 2: Implement water quality retrofits along Maine Mall Road.

Tier 3: Implement additional water quality retrofits along Maine Mall Road.

Tier	Retrofit ID#	Estimated Cost
1	SPO_064 SPO_063	\$46,500
2	SPO_059 SPO_060 SPO_071 SPO_072 SPO_073	\$116,000
3	SPO_061 SPO_062 SPO_065 SPO_070 SPO_074 SPO_098	\$135,000

Considerations

Diversion of roadway runoff for Tier 1 retrofit will require sidewalk culvert or other shallow conveyance under sidewalk. Drainage easement and cooperation with private landowner will be required for this retrofit. Applicability and functionality of esplanade box filters on state highways in Maine should be assessed in demonstration locations prior to widespread implementation.



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

- Turnout
- Esplanade Box Filter
- Gravel Wetland
- Soil Media Filter

