

The Logus Road Green Street Project

WHAT IS THE LOGUS ROAD GREEN STREET?

The Logus Road Green Street utilizes several strategies to capture, slow, filter, and infiltrate stormwater runoff from Logus Road and driveways. This green street retrofit project demonstrates how streets can be designed (or re-designed) to provide environmental benefits through on-site stormwater management. The project utilizes a series of stormwater planters, stormwater curb extensions, and pervious concrete sidewalks to achieve full on-site stormwater management on the southern half of Logus Road from Stanley Avenue to SE 49th Street. Approximately 20,000 square feet of runoff is directed into a series of stormwater facilities and is managed on-site using a landscaped approach.

The stormwater planters (also known as rain gardens) were constructed by the City of Milwaukie for a number of purposes. As with a traditional sidewalk planter strip, the new stormwater planters provide a horizontal separation between the street and the sidewalk zone and provide visual interest to the street. In addition, the stormwater planters allow for storage, treatment, and infiltration of street runoff.

The City of Milwaukie has planned for a 5-year establishment period for the landscape maintenance of stormwater facilities along Logus Road. The private

contractor that installed the plantings will visit Logus Road regularly to perform weeding, plant trimming, plant replacement, mulching, as well as provide supplemental summer irrigation.

The City of Milwaukie will be responsible for removing sediment accumulation with the stormwater facilities on an as needed basis. The residents along Logus Road are also asked to perform minor on-going maintenance responsibilities described in the City's maintenance plan.

THE PLANTING DESIGN

The plants selected for the Logus Road rain gardens are predominately evergreen and grow under three feet in height. Evergreen plants tend to grow slower and have greater drought tolerance; both characteristics will help reduce maintenance efforts. In addition, these plants help provide an evergreen "structure" to the perimeter of each stormwater facility and the help provide a visual separation between the street and the sidewalk zone. Rushes and grass-like were also planted within because their stiff structure will help slow water flow and their root zones are excellent for water absorption.

The Rain Garden Plants



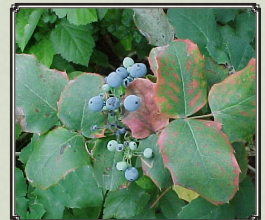
Juncus patens
'Elks Blue'



Liriope muscari



Polystichum munitum



Mahonia repens



Nandina domestica
'Moon Bay'



Euonymus japonica
'Microphylla'



THE CITY OF MILWAUKIE THANKS ...

PROJECT PARTNERS

Dow Brothers, Contractor
HHPR, Project Engineer
Nevue & Ngan, Landscape Architects

FUNDING PARTNERS

ODOT Bike & Ped Program
HUD CDBG Funding