

# Pilot Project 7B: Cul-de-Sac Rain Garden

## Focus Area A



### Project Description

- Install rain garden in road right-of-way of wide cul-de-sac
- Replace asphalt and landscaping with porous soil and create shallow depression (swale)
- Add organic materials to upper soil layers and spread mulch on top
- Plant surface with low-growing, deep-rooted perennial plants
- Install curb around rain garden with openings to allow stormwater to flow into swale

### Benefits

This project will help to:

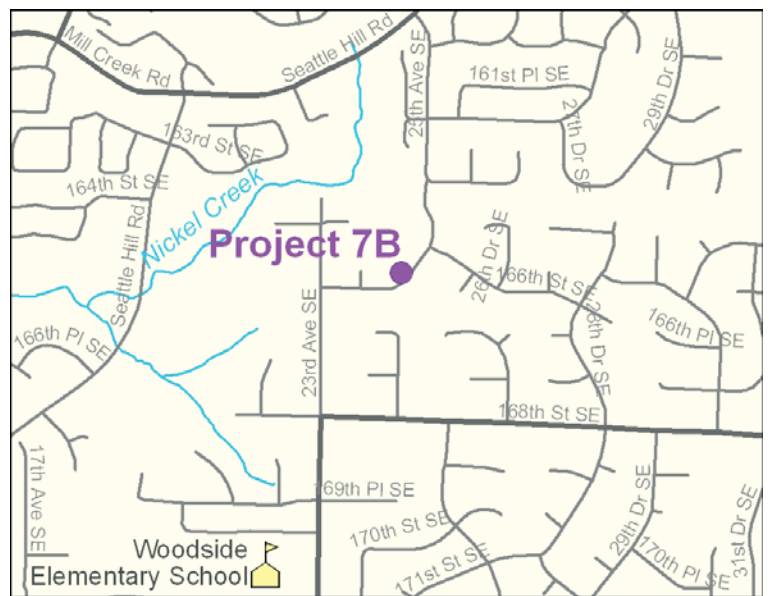
- Reduce stormwater runoff
- Remove pollutants from stormwater
- Recharge groundwater
- Improve neighborhood aesthetics

### Location

165th Pl. SE, east of 23rd Ave. SE

### Estimated Project Cost

\$78,000



Existing Project Site



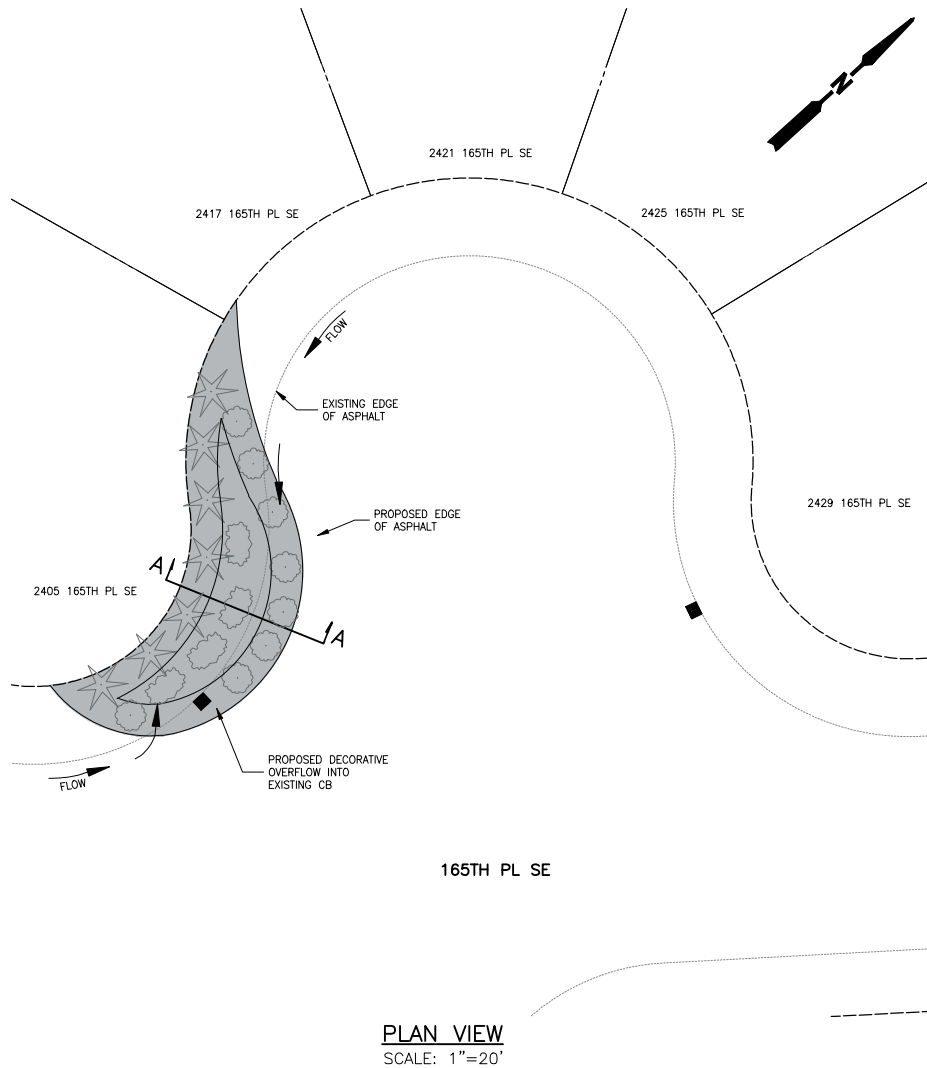
Example of Improvements Proposed



Rain garden installed in place of roadway shoulder

### Sketch 1 – View of Proposed Project from Above

The rain garden in the shaded area will contain amended soils and vegetation. Street runoff will flow through openings in the new curb, enter the rain garden, and soak into the ground.



### Sketch 2 - View of Proposed Project from the Side

The soils and plants in the rain garden will absorb stormwater and act as a filter to help remove pollutants from the stormwater. This will better mimic conditions before development.

