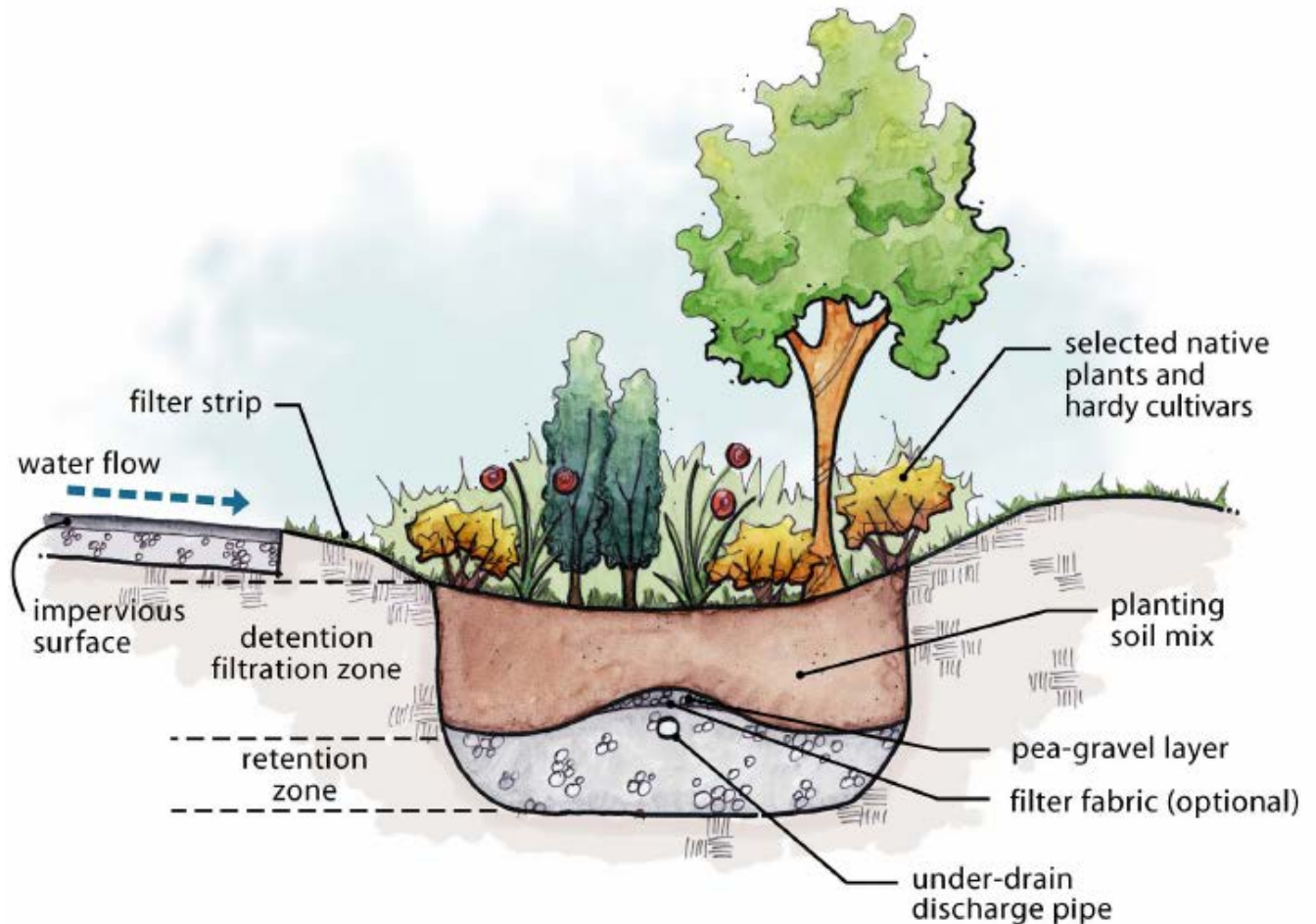


PRIVATE STORMWATER FACILITY MAINTENANCE

Bioretention Facilities

Bioretention facilities require annual plant, soil, and mulch layer maintenance to ensure optimum infiltration, storage and pollutant removal capabilities. The majority of routine maintenance procedures are typical landscape care activities. Soil characteristics and depth in these facilities are important to their proper function and must be maintained according to design. Bioretention cells may or may not have underdrains or liners.



Bioretention Design Example



BIORETENTION CELL MAINTENANCE CHECKLIST

Maintenance Required	Inspection Notes	Done
<p>Sediment, Trash & Debris - Remove road sediment, trash & debris. Keep curb inlets & outlets free of clogs or blockages to maintain proper flow of stormwater.</p>		
<p>Vegetation - If vegetation becomes sparse and does not provide adequate filtration determine the cause of lack of vigor and correct. Replant as needed. Prune & remove dead plant material regularly. Remove weeds by hand and avoid the use of herbicides.</p> <p>Remove any poisonous or nuisance vegetation which may constitute a hazard to maintenance personnel or the public. Contact Clark County Vegetation Management (360) 397-6140 for information. Do not apply pesticides to water. Contact Washington State Dept of Agriculture for pesticide application requirements (360) 902-2040.</p>		
<p>Watering - Maintain irrigation system. Plants should be selected to be drought tolerant & not require watering after establishment (2-3 years) however watering may be required during prolonged dry periods once plants are established.</p>		
<p>Mulch - Replace mulch annually in bioretention facilities where high pollutant loading is likely. Use 2-3 inches of compost in the bottom of the facility and wood chips on side slopes and rim (above typical water levels).</p>		
<p>Side Slopes - Maintain designed side slope with hand tools, back hoe or excavator. Replant exposed areas.</p>		
<p>Structures - Maintain walls, pads, weirs and other hardscape elements to design specifications.</p>		
<p>Underdrains (if applicable) - Jet clean or rotary cut debris/roots from underdrains to maintain proper subsurface drainage, ponding depths and dewatering rates.</p>		

Inspected by: _____

Date: _____

Site Name: _____