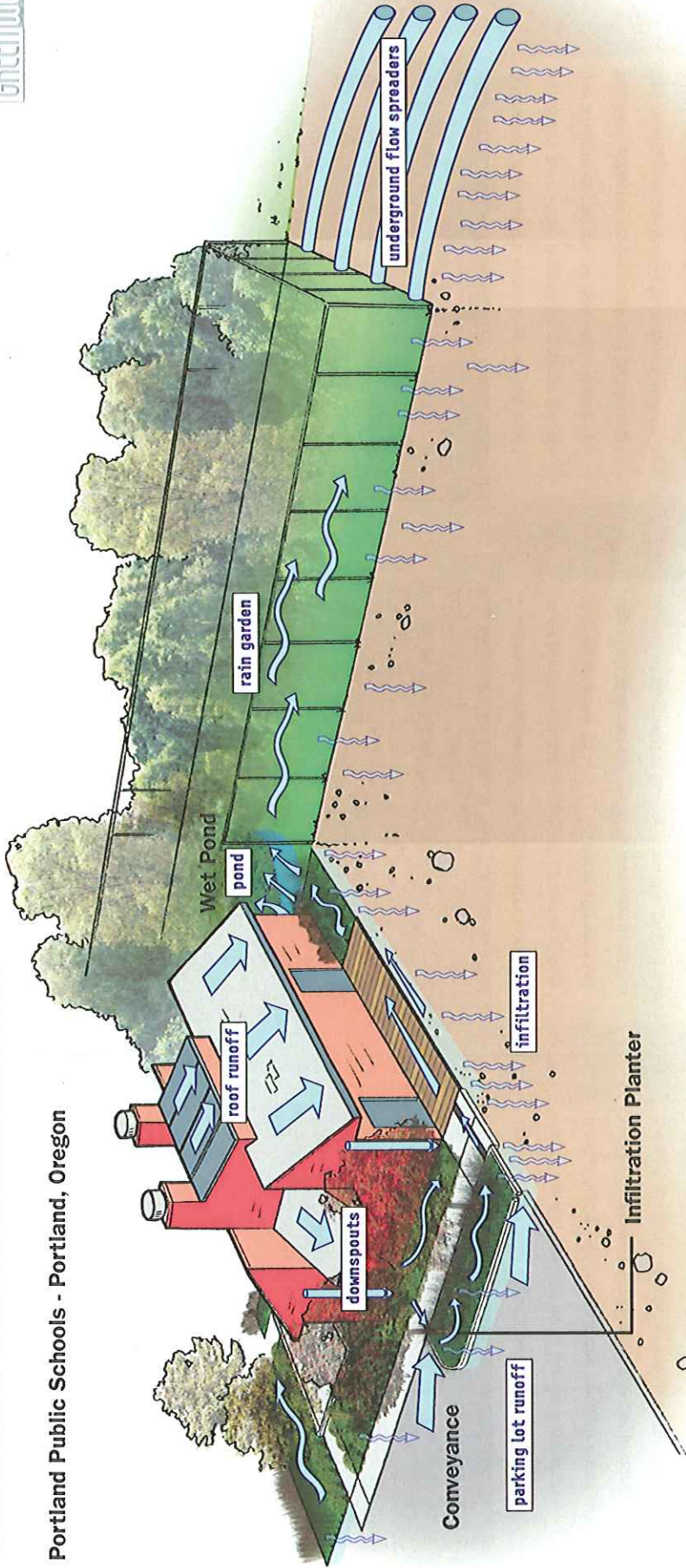


EVANS-HARVARD HIGH PERFORMANCE CLASSROOM

Portland Public Schools - Portland, Oregon



The Evans-Harvard High Performance Classroom is a prototype design classroom setting a high example of environmental standards for future PPS classrooms and for other school districts. GreenWorks provided landscape architectural services for siting the classroom and integrating the building with the existing site. Storm water runoff from the building serves and feeds the adjacent, existing rain garden built in 2002. As a living laboratory and teaching aid, the storm water run-off is animated and expressed in the design to consider capturing all stormwater from the project's impervious surfaces. The classroom uses the opportunities of the site to facilitate development of an outdoor music amphitheater and future sculpture court.

PROJECT DESCRIPTION

SUSTAINABLE STORMWATER TERMS

Biofiltration: The physical ability of plants to remove pollutants from water.

Conveyance: The transport of stormwater or wastewater from one point to another.

Infiltration: The percolation of water into the ground.

Infiltration Planter: A structural facility filled with topsoil and gravel and planted with native vegetation. The planter has an open bottom, allowing water to infiltrate into the ground.

Rain Garden: A vegetated facility that temporarily holds and infiltrates stormwater into the ground.

Underground Flow Spreader: A structural subsurface cylinder with perforated sides and/or bottom, used to infiltrate stormwater into the ground.

Wet Pond: A vegetated basin with a permanent pool of water, used to provide pollution reduction for a particular drainage basin. The permanent pool of water provides a storage volume for pollutants to settle out.