

O&M Specifications Detention Pipes, Vaults, and Tanks

ONLY professionals with OSHA confined space certification should enter below-ground stormwater systems.	
Maintenance Indicator	Corrective Action
Structural Components , including inlets, outlets, pipes, vaults, and/or tanks shall be operated and maintained in accordance with the manufacturer and design specifications.	
<ul style="list-style-type: none"> ➤ Clogged inlets or outlets ➤ Diminished pipe, vault or tank capacity ➤ Cracked pipe or vault or tank 	<ul style="list-style-type: none"> ➤ Remove sediment, oil, and debris from catch basins when 1/3 full and from gutters, inlets, outlets, and pipes to maintain at least 50% conveyance capacity at all times. ➤ Remove oil, sediment, and debris when sediment is at 30% of the capacity or oil is 2 inches deep. ➤ Repair with grout or City-approved material or replace when cracks are 1 inch wide or more.
Vegetation , including surface cover and nearby plantings.	
<ul style="list-style-type: none"> ➤ Large shrubs and trees 	<ul style="list-style-type: none"> ➤ Prevent large root systems from damaging subsurface structural components.

Annual Maintenance Schedule

Summer: Remove sediment, oil and debris from conveyance system and pipes, vaults and tanks. Make necessary structural repairs.

Winter: Monitor flow through rate.

Spring: Inspect the pipes, vaults, and tanks for structural concerns and sediment accumulation.

All Seasons: Clean gutters/rain drains as needed.

Maintenance Records:

All facility operators are required to keep an annual inspection and maintenance log.

Record date, description, and contractor (if applicable) for all structural repairs, landscape maintenance, and facility cleanout activities.

Access: Maintain ingress/egress to design standards.

Pollution Prevention: All sites should implement BMPs to prevent contaminating stormwater. Contact Spill Control at 503-823-7180 for immediate assistance responding to spills. Record the time/date and weather and site conditions if site activities contaminate stormwater.

Vectors (Mosquitoes and Rodents): Stormwater facilities shall not harbor mosquito larvae or rats that pose a threat to public health or that undermine the facility structure. Monitor standing water for small wiggling sticks perpendicular to the water's surface. Note holes/burrows in and around facilities. Call Multnomah County Vector Control at 503-988-3464 for immediate assistance to eradicate vectors. Record the time/date and weather and site conditions when vector activity was observed.