

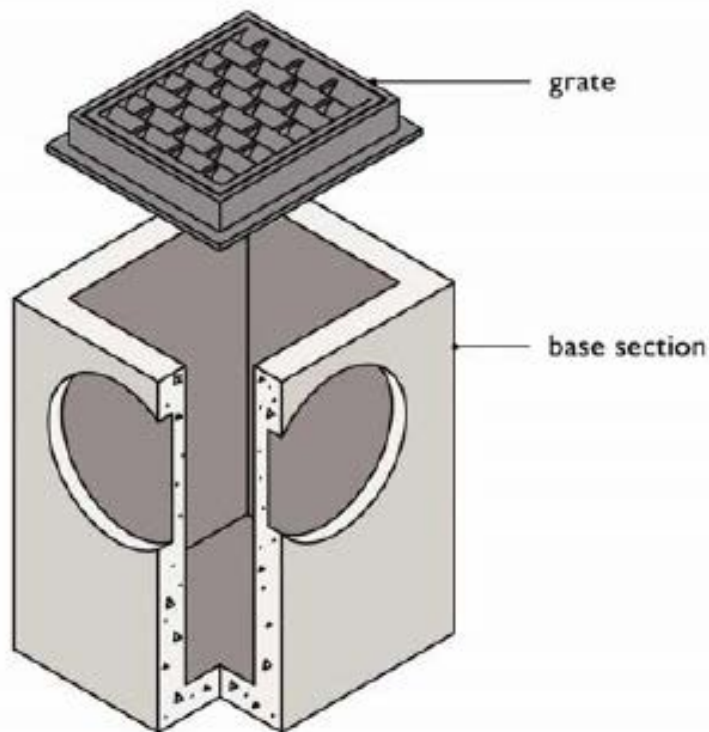
PRIVATE STORMWATER FACILITY MAINTENANCE

Catch Basins

Catch basins are underground concrete structures typically provided with a slotted grate to collect stormwater runoff and route it through underground pipes. A catch basin is a rectangular box with approximate dimensions of 3'x2'x5' and are utilized when the connected conveyance pipes are less than 18 inches in diameter and the depth from the gate to the bottom of the pipe is less than 5 feet.

They typically provide a storage volume (sump) below the outlet pipe to allow sediments and debris to settle out of the stormwater runoff. Some catch basins are also provided with a spill control device (inverted elbow on outlet pipe) intended to contain large quantities of grease or oils. The most common cleaning method for catch basins is to utilize a truck with a tank and vacuum hose (vactor truck) to remove sediment and debris from the sump.

CAUTION: Catch basins may be an enclosed space where harmful chemicals and vapors can accumulate. If the inspection and maintenance requires entering a catch basin, it should be conducted by an individual with training and certification in working in hazardous confined spaces.





Catch Basin Example

CATCH BASIN MAINTENANCE CHECKLIST

Maintenance Required	Inspection Notes	Done
Sediment, Trash & Debris - Remove all sediment, trash & debris that exceeds 60 percent of the sump depth as measured from the bottom of basin to invert of the lowest pipe into or out of the basin, but in no case less than a minimum of 6 inches clearance from the sediment surface to the invert of the lowest pipe. Keep inlets and outlets clear. Remove vegetation and dead animals.		
Contaminants & Pollution - Spills must be reported to Washington State Dept of Ecology (360) 407-6300. Also call 911 if it presents an immediate risk to public health.		
Mosquitos - Contact Clark County Mosquito Control for help with mosquitoes. Do not apply pesticides to water. Contact Washington State Dept of Agriculture for pesticide application requirements (360) 902-2040.		
Covers & Grates - Immediately replace any missing cover or grate. One maintenance person should be able to remove them. Keep area free of sediment, vegetation & debris and locking mechanisms (if applicable) properly functioning. Replace bolts into frame if less than ½ inch of thread. Grates opening should not be wider than 7/8 inch.		
Damage to Frame/Top Slab - Frame should sit flush on top slab, be securely attached and have no more than ¾ inch separation from slab. Top slab should have no holes larger than 2 square inches or cracks wider than ¼ inch.		
Structure Interior - If grout fillet has separated or cracked wider than 1/2 inch and longer than 1 foot at the joint of any inlet/outlet pipe or any evidence of soil particles entering catch basin through cracks, regrout pipe & secure at wall. If structure is misaligned or settled to the point of impaired function or safety hazard, repair or replace to design standards.		

Inspected by: _____

Date: _____

Site Name: _____