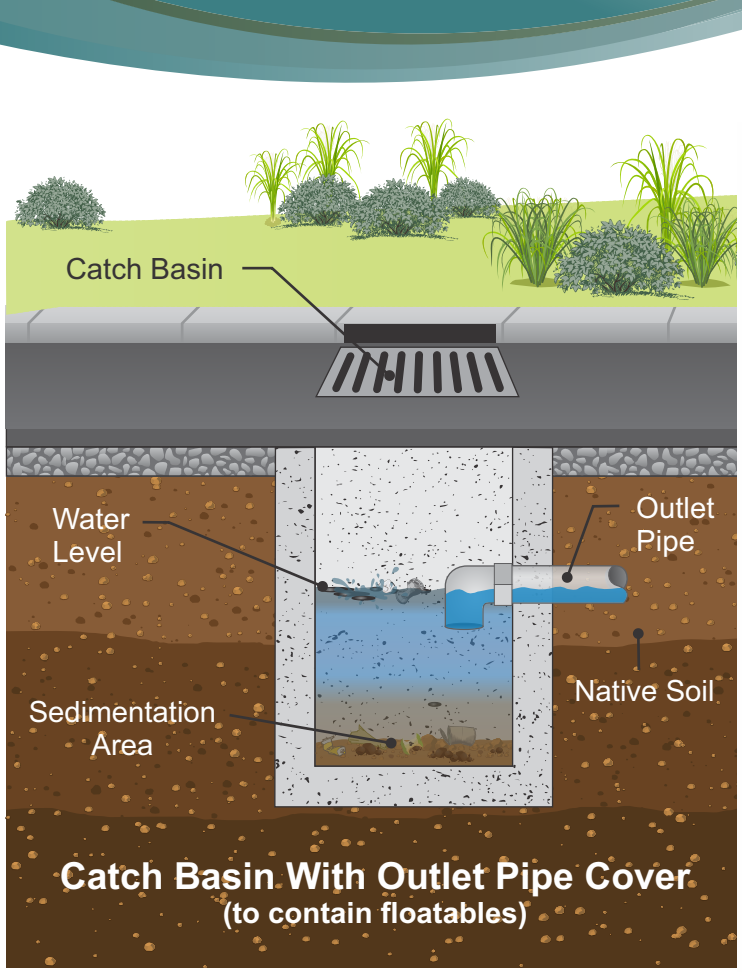
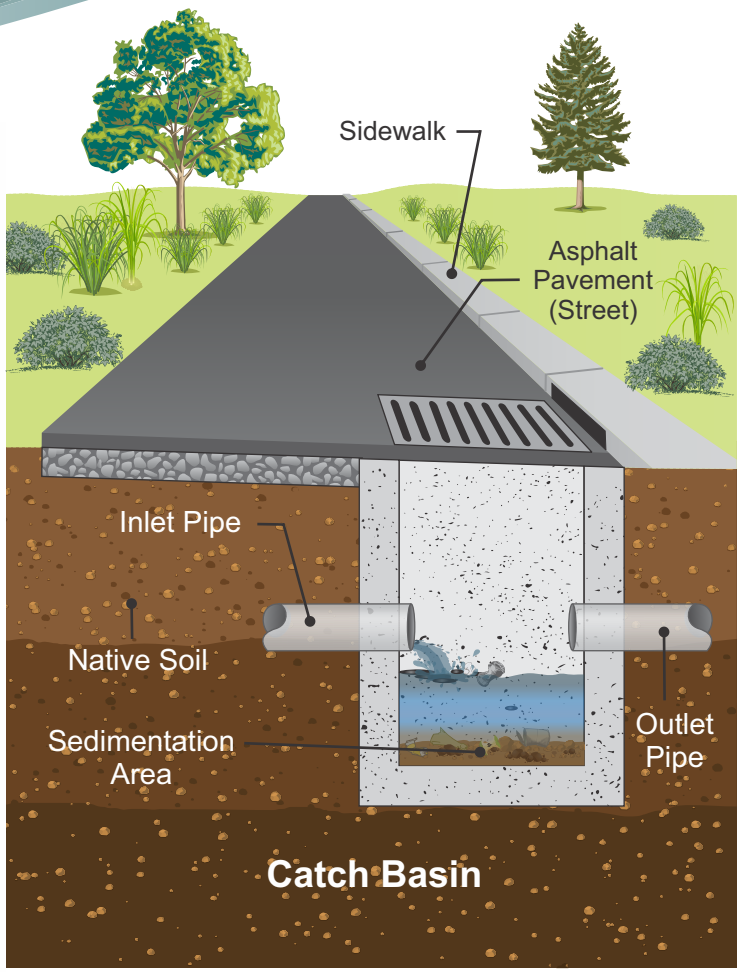
CATCH BASIN
Maintenance Guideline

UTILITY DEPARTMENT





What does your Catch Basin do? Why is it important?

Catch basins are designed to trap sediment, debris, and potentially oil/floatables in the case of catch basins with outlet pipe covers, before discharging stormwater to a disposal point. The catch basin(s) on your property makes a significant positive impact on water quality by being the first line of defense in preventing pollutants from entering our beloved Deschutes River and underground drinking water supplies. If maintained correctly, they also help prevent clogging of our stormwater facilities and thus prevent localized flooding.

Why is it important to maintain your Catch Basin(s)?

Without proper maintenance, catch basins will fail to trap sediments and pollutants which could result in facility clogging and localized flooding. It is important to ensure that catch basins do not become too full of sediments or floatables. In Bend, our stormwater facilities serve an important function and property owners are required to keep and maintain them per Bend Code Title 16. Just remember, a few things will go a long way in the effort to keep our waters clean and to prevent localized flooding. Start by inspecting your catch basins in the spring and fall each year, and adjust to more often if site conditions warrant.

What tools do you need?

Maintenance schedules for catch basins vary depending on flow volumes and sediment loading. Routine maintenance requires the use of a vacuum designed to suck up the water and sediment. In most places, there are local contractors that provide this service for a fee. Regularly inspecting your facility to monitor sediment and floatable levels is critical. Carrying the attached checklist, pen, a copy of your site plan, lid puller, steel toe boots, flashlight and a rigid sediment measuring device is a good way to ensure a safe and complete inspection can be performed.

CLEAN WATER WORKS

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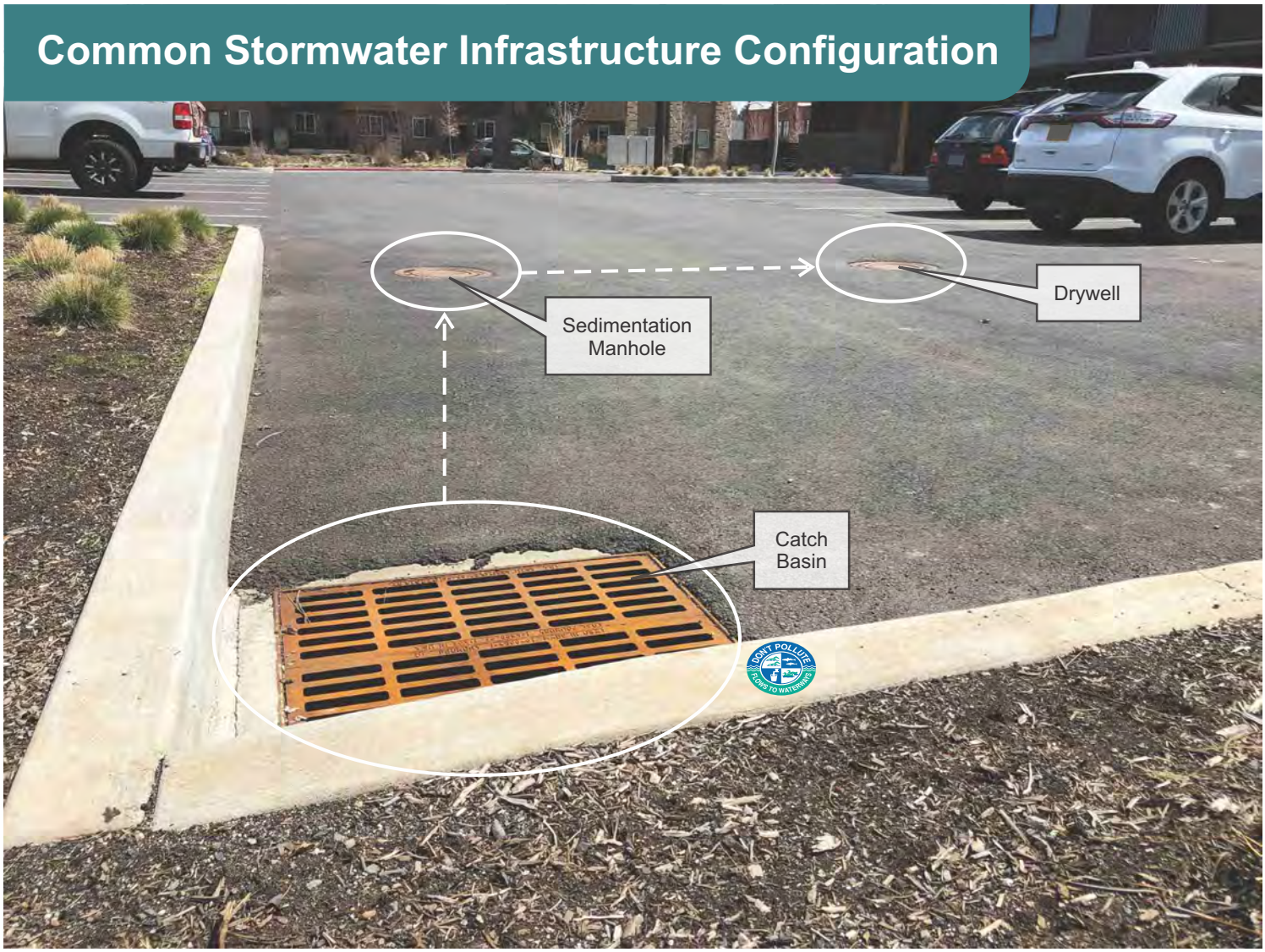
Common Stormwater Infrastructure Configuration

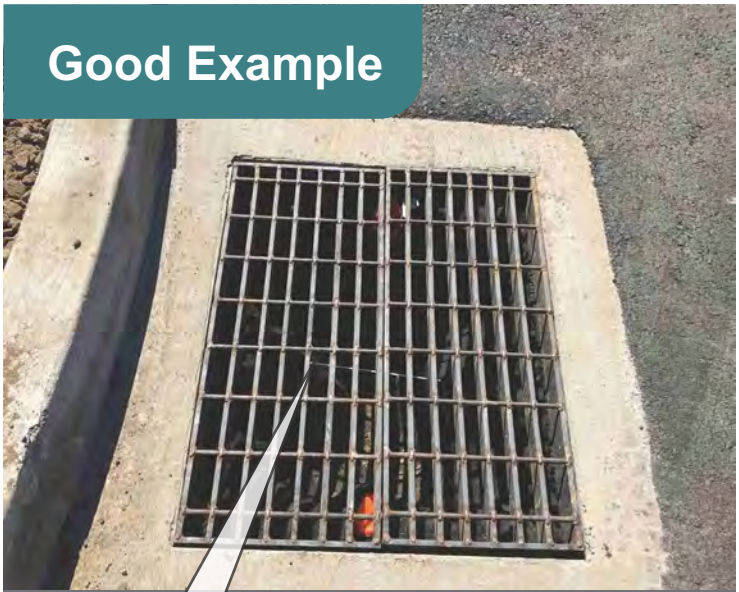


Bad Example

Inspect sediment level in catch basin to determine if maintenance is needed.

Debris and sediment in drainage area should be swept up to prevent clogging and flooding.

Good Example



During construction prefabricated filter inserts should be used to protect catch basins from sediment and debris. These inserts need to be maintained per manufacturer recommendations and removed once permanent vegetation is established as the project is completed.

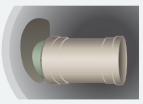
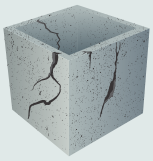
Catch Basin Inspection and Maintenance Checklist

Property Address _____ Property Owner _____

FacilityName/Designator _____ Date of Inspection _____

Type of Inspection: ☐ Pre-rainy Season ☐ Monthly ☐ Quarterly ☐ Annual ☐ Re-inspection[1]

Inspector(s) _____

Defect	Conditions When Maintenance Is Needed	Maintenance Needed? Yes / No	Comments Describe maintenance completed; and if any needed maintenance was not conducted, note what is needed and when it will be done	Results Expected When Maintenance IsPerformed
 **Debris and Sediment**	• Accumulated debris or sediment depth exceeds 12 inches or impedes flow from inlet or outlet pipes			• All sediment and debris removed from storage area • Runoff freely flows into and out of basin
 **Damaged Pipes**	• Inlet or outlet piping damaged or broken and in need of repair			• Pipe repaired and/or replaced
 **Joints Between Basin/Pipe Section**	• Any openings or voids allowing material to be transported into facility			• All joints between basin/pipe sections are sealed
 **Structure**	• Cracks wider than 1/2-inch and any evidence of soil particles entering the structure through the cracks, or maintenance/inspection personnel determines that the vault is not structurally sound			•Vault replaced or repaired to design specifications and is structurally sound • No cracks more than 1/2-inch wide at the joint of the inlet/outlet pipe
 **Contaminants and Pollution**	• Any evidence of oil, gasoline, contaminants, or pollutants			• Oil and contaminants removed and properly disposed • No contaminants or pollutants present
 **Cover**	• Cover is missing or only partially in place • Cover is difficult to remove with normal lifting pressure			• Repair or replace cover • Manhole is closed and can be removed and reinstalled by one person to facilitate maintenance access
 **Ladder**	• Ladder is unsafe due to missing rungs, misalignment, not securely attached to structure wall, rust, or cracks			• Ladder meets design standards • Allows safe maintenance access
 **Mosquito Vector Breeding**	• Suitable habitats exist for mosquito production *(e.g., standing water in areas accessible to mosquitoes)*			• Standing water no longer exists or is inaccessible to mosquitoes

[1] Re-inspection of a previously-noted maintenance issue.

Source: Central Oregon Stormwater Manual

Additional Resources

Central Oregon Stormwater Manual

IDDE Manual

Available at the website below.

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Accommodation Information for People with Disabilities.
To obtain this information in an alternate format such as Braille, large print, or electronic, please contact 541-317-3000 ext. 2 or email utilities@bendoregon.gov.

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