

A GUIDE TO THE STORMWATER MAINTENANCE & ACCESS EASEMENT

September 2011

Table of Contents

Stormwater facilities	2
Maintenance requirements	3
Environmental impacts	4
Resources	4

“You could write the story of man's growth in terms of his epic concerns with water.”



~Bernard Frank,
journalist and writer

WHAT IS THE PURPOSE OF THE AGREEMENT?

The loss of wetland and floodplain areas along with an increase in impervious surfaces necessitates the active management of stormwater runoff. Through the use of structural controls, such as water quality facilities and detention ponds, or other management measures within most urbanized areas these losses can be mitigated.



Federal, state and local agencies created management regulations and guidelines so as to improve stormwater quality and protect watersheds, rivers, streams and drinking water resources.

WHY AM I REQUIRED TO HAVE AN AGREEMENT?

Anytime there is new development or new ownership of a property with a stormwater facility, built in accordance with the City of Wilsonville's Public Works Standards, it is required to be maintained following these Public Works maintenance standards.

WHICH STORMWATER FACILITIES ARE SUBJECT TO THIS AGREEMENT?

- Stormwater pipes
- Stormwater manholes
- Oil/water separators
- Catch basins
- Access roads
- Safety fences
- Created wetlands
- Detention/retention basins
- Energy dissipaters
- Headwalls
- Underground detention facilities
- Curb inlets
- Area drains
- Trash racks
- Manufactured devices

Below is an example of a catch basin that is poorly maintained and one that is well maintained:

Poorly maintained catch basin



Well maintained catch basin



WHAT AM I REQUIRED TO DO UNDER THE MAINTENANCE PLAN?

- Annual maintenance on storm drainage facilities in conformance with City of Wilsonville’s Public Works Standards (see page 4).
- Removal of debris, leaves and sediment from manholes, detention outlet structures, and catch basins.
- Disposal of all oils, sediment and debris in an approved dumpsite.
- Replacement of all dead or dying plants in ponds and swales. Maintenance on original plantings.
- Removal of trash from ditches, swales, catch basins, or any stormwater conveyance.

IMPORTANT: For a more complete list of inspection and maintenance requirements, please reference the City of Wilsonville’s Stormwater Maintenance and Access Easement Agreement.

Below is an example of a swale that is poorly maintained and one that is well maintained:

Poorly maintained swale



Well maintained swale



City of Wilsonville

29799 SW Town Center Loop E
Wilsonville, OR 97070

Phone: 503-682-4960
Fax: 503-682-7025

www.ci.wilsonville.or.us

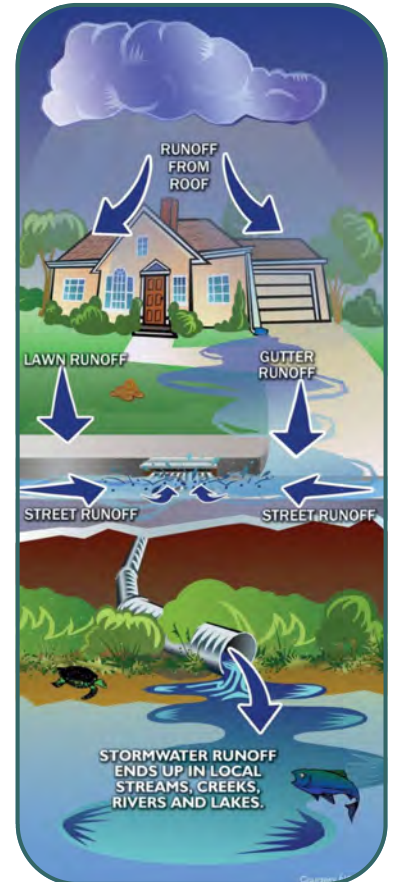


This brochure was prepared by Lisa Nead, Environmental Education Specialist, in collaboration with Natural Resources Program staff. September 2011

WHY SHOULD I CARE ABOUT MAINTAINING MY STORMWATER FACILITY?

People and their actions are the most significant sources and causes of urban runoff and pollution.

Uncontrolled or untreated stormwater from the urban environment and from construction activities can runoff the landscape into surface waters. This runoff can include such pollutants as sediments, pathogens, fertilizers/nutrients, hydrocarbons, and metals. Pavement and compacted areas, roofs, and reduced tree canopy and open space increase runoff volumes that rapidly flow into our waters. This increase in volume and velocity of runoff often causes stream bank erosion, channel incision and sediment deposition in stream channels. In addition, runoff from these developed areas can increase stream temperatures that along with the increase in flow rate and pollutant loads negatively affect water quality and aquatic life.



RESOURCES

• For maintenance questions, contact:

- Kerry Rappold, City of Wilsonville Natural Resources Program Manager at (503) 570-1570 or rappold@ci.wilsonville.or.us
- Luke Bushman, City of Wilsonville Stormwater Management Coordinator at (503) 570-1552 or bushman@ci.wilsonville.or.us

• City of Wilsonville Public Works Standards: www.ci.wilsonville.or.us/Index.aspx?page=127

Go to *Important Links* at the bottom of the page and click on *Public Works Construction Standards 2006* (section 301.6.00 Operations and Maintenance Req.)

• Environmental Protection Agency: www.cfpub.epa.gov/npdes/home.cfm?program_id=6

• Department of Environmental Quality: www.oregon.gov/DEQ

Private Maintenance Companies (listed below are just a few examples of companies that provide maintenance services, more companies are available)

- Clearwater Environmental Services in Wilsonville (503) 582-1951
- River City Environmental in Portland (503) 252-6144
- Bravo Environmental NW in Portland (503) 261-9800