



**SINGLE FAMILY RESIDENCE/SMALL PROJECT
STORMWATER WORKSHEET**

This worksheet will determine what onsite stormwater management and/or erosion control measures are required for your project.

Applicant: _____ Assessor Tax Parcel #: _____

Phone #: _____ Site Address: _____

E-mail: _____

Section 1: General Site Information

1. Total Disturbed Area: _____ Square Feet (show on site plan)

Total disturbed area includes areas disturbed for installation of utilities, structures, lawn, landscaping, walkways, driveways, clearing, grading, etc.

2. Total Impervious Surface Area (new and/or replaced): _____ Square Feet

Impervious surface area includes all structures, walkways, patios, driveways, covered decks

3. Zoning Designation: _____

Call Community Development at (360) 330-7662 if you don't know your zoning designation.

4. Does your property have any of the following (check all that apply):

Waterfront Lot:
 Low Bank (gentle slope, less than 8-foot drop to water)
 Moderate or High Bank (gentle or steep slope, 8-foot drop to water or more)
 Slopes greater than 15% (about a 5-foot drop across 33 feet of ground horizontally)
 Slopes greater than 30% (about a 10-foot drop across 33 feet of ground horizontally)
 Wet areas or depressions, ponding water, wetlands or seasonal standing water
 Stream, creek or ravine with running water at least part of the year

5. Will construction or land-disturbing activity include cutting trees within 200 feet of any of the features noted in question 4?

YES NO

Section 2: Thresholds for Review

Stormwater management falls into one of three categories for review.

1. General Stormwater Plan Review (Projects over 5,000 sq ft new/replaced impervious)
2. Single Family Resident/Small Project Stormwater Plan Review
3. Minor Project Construction Stormwater Review (To be Determined By City Staff)

Section 3: Minimum Requirements

All projects that disturb 7,000 square feet or more of land OR create 2,000 square feet or more of impervious surface must comply with Minimum Requirements #1 through #5 of the Stormwater Management Manual for Western Washington (SWMMWW). Those requirements and guidance are listed on the following page.

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Section 3 (Continued)

1. Minimum Requirement #1 - Stormwater Site Plan

Submit a site plan that shows all proposed structures, driveways, walkways, patios, landscape areas with this form.

2. Minimum Requirement #2 - Stormwater Pollution Prevention Plan (SWPPP)

See Section 4 Construction Stormwater Pollution Plan (SWPPP) for requirements during construction.

3. Minimum Requirement #3 - Source Control of Pollution

It is easier to prevent pollution from entering the stormwater than it is to remove it. The City has provided a series of fact sheets that are applicable to residential sources of pollution. Please read the following fact sheets that are included with this packet:

- Disposal of Household Waste
- Illicit Discharge Controls
- Good Housekeeping
- Use of Pesticides, Herbicides and Fertilizers
- Landscape Maintenance

4. Minimum Requirement #4 - Preservation of Natural Drainage Systems and Outfalls

Natural drainage patterns shall be maintained, and any discharges from the project site shall occur at the natural location, to the maximum extent possible. Stormwater runoff discharged from the project site must not cause an adverse impact to downstream receiving waters, adjacent properties or the adjacent right of way. Any proposed discharge of stormwater must be pre-approved.

5. Minimum Requirement #5 - On-site Stormwater Management

All projects shall employ on-site stormwater management BMPs as required in the SWMMWW to infiltrate, disperse, and retain stormwater runoff on-site to the extent feasible without causing flooding or erosion impacts. The BMPs you will use need to be shown on your Stormwater Site Plan (Minimum Requirement #1)

On-Site Stormwater Management Requirements:

Lawn and Landscape Areas:

- Post-Construction Soil Quality and Depth (BMP T5.13)

Roofs:

- Downspout Full Infiltration System (BMP T5.10A) - For all sites less than 1 Acre in size
- Downspout Dispersion Systems (BMP T5.10B) - For all sites 1 Acre in size or larger

Other Hard Surfaces (Driveways/Walkways/Patios):

- Sheet Flow Dispersion (BMP T5.12)

Review the requirements of the BMPs identified above (See handouts included)

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Section 4: Construction Stormwater Pollution Prevention Plan (SWPPP)

Required Elements

There are 13 elements of the Construction Stormwater Pollution Prevention Plan. For each element, suggested best management practices (BMP) are identified and must be implemented unless you request a modification prior to start of construction.

1. Mark Area Disturbed by Construction Activity: Clearly mark the area of disturbance to make sure adjacent areas are not disturbed during construction.

- BMP C101 - Preserving Natural Vegetation
- BMP C103 - High Visibility Plastic or Metal Fence

2. Establish Construction Access: Ensure no mud or debris will be tracked offsite.

- BMP C105 - Stabilized Construction Entrance

3. Control Flow Rates: Trap muddy water to ensure it will not flow off-site during construction.

- BMP C240 - Sediment Trap
- Not Applicable - Very little grading or site does not experience runoff during storm events

4. Install Sediment Controls: Sediment controls are used to make sure no sediment leaves the site during storm events. They are required on all sites.

- BMP C233 - Silt Fence
- BMP C234 - Vegetated Strip
- BMP C235 - Straw Wattles

5. Stabilize Soils: All exposed soil must be protected from rainfall and wind erosion. From October 1 through April 30, no soil shall remain exposed and unworked for more than 2 days. From May 1 through September 30, no soil shall remain exposed and unworked for more than 7 days.

- BMP C120 - Temporary and Permanent Seeding
- BMP C123 - Plastic Covering (Cover any piles of dirt)

6. Protect Slopes: All slopes must be protected from erosion if work is done on or near them.

- BMP C120 - Temporary and Permanent Seeding
- Not Applicable - Site does not have any slopes and there are no slopes within 100 feet.

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7. Protect Drain Inlets: Existing/New storm drains shall be protected from sediment during construction.

BMP C220 - Storm Drain Inlet Protection
 Not Applicable - There are no existing or new storm drains on this project.

8. Stabilize Channels and Outlets: If temporary on-site conveyance channels are used, they must be stabilized to protect against erosion:

BMP C209 - Outlet Protection
 Not Applicable - Temporary on-site conveyance channels are not used on this project.

9. Control Pollutants: All pollutants shall be handled and disposed of in a manner that does not cause contamination of stormwater. Identify all BMPs you will utilize on your project to control pollutants.

BMP C151 - Concrete Handling
 BMP C152 - Saw cutting and Surface Pollution Prevention

10. Control De-Watering: If ponding of water on-site is expected or water inside excavated areas need to be removed, you must provide a plan for removal and discharge of the water that will not impact stormwater facilities or adjacent properties.

Not applicable - water accumulation will not occur.

11. Maintain BMPs: All temporary and permanent erosion and sediment control BMPs must be monitored, maintained and replaced as necessary during construction.

BMPs will be checked weekly and immediately after each storm event.
 Other: _____

12. Manage The Project: Phasing of the project is encouraged to limit prolonged soil disturbance on-site. Plan your project to ensure that construction impact and soil exposure is limited.

13. Protect Low Impact Development BMPs: Low impact development BMPs are susceptible to sedimentation and erosion. Keep construction equipment from compacting areas used for permanent stormwater drainage and infiltration.

Contact the Engineering Department at (360) 330-7512 if you have any questions regarding these requirements.

SITE PLAN

