



Abbreviated Construction Stormwater Pollution Prevention Plan (SWPPP) For Single Family Home Builders

The Abbreviated Construction SWPPP may be used for projects that are required to submit a Construction SWPPP under Minimum Requirement #2 (MR#2) (2,000 square feet or more of new plus replaced hard surface area, or which disturb 7,000 square feet or more) for projects that disturb less than 1 acre. Hard surface areas include: footprint of single family residence and driveways.

Release of sediment, mud, and muddy stormwater from construction sites is prohibited. The SWPPP describes how erosion, sediment, and stormwater will be controlled during construction. The document lists and shows all erosion and sediment control (ESC) best management practices (BMPs) selected for the site. The SWPPP is a living document and must be updated if conditions or plans change or if the ESC BMPs are found to be ineffective.

Section 1 – Submittal Requirements

All projects falling under the requirements of MR #2, noted above, shall submit a SWPPP prior to building plan approval or building plan submittal. The following documents shall be submitted prior to issuance of building permits:

- Completed Abbreviated Construction SWPPP form
- Erosion and Sediment Control Site Plan
- Standard details of Best Management Practices (BMPs), when required
- Engineering drawings and calculations of BMPs, when required

Section 2 – Project Overview

Building Permit Number(s): _____

Property Information

Address: _____

Parcel #: _____ Size of Parcel (acres or sq. ft.): _____

New Structure/Building Building Addition Other _____

Total Project Area (square feet)	
Total Proposed Impervious Hard Area (square feet)	
Total Existing Impervious and Hard Area (square feet)	
Total Area to be Disturbed (square feet or acres)	

This project does not meet MR#2. SWPPP is not applicable. ESC measures still apply.

This project meets MR#2. SWPPP is required prior to Building Permit approval.

Applicant Signature: _____ Date: _____

Applicant Information

Name: _____

Address: _____

Phone #: _____ Email: _____

Property Owner Information

Name: _____
Address: _____
Phone #: _____ Email: _____

Erosion Control Inspector: Designate an erosion control inspector who has the skills to assess the site conditions and construction activities that could impact stormwater quality and the effectiveness of ESC BMPs. The inspector must be on-site or on-call at all time.

Name: _____
Phone #: _____ Email: _____

Section 3 – Project Narrative

The information required in this section is the project narrative. It describes the site and briefly summarizes the planned improvements. Complete Section A – F, below.

A. Project Description (check all that apply):

Brief Project Description:

B. Existing Site Conditions – Describe existing site conditions. If there are multiple choices, check all that applies.

1. Describe the existing site conditions.

- Landscaping Brush Trees Other _____

2. Describe how surface water (stormwater) drainage flows across/from the site.

- Overland Gutter Other _____
Storm sewer pipes Catch Basin Ditch/Swale

3. Are sensitive and/or critical areas present on the site?

- Springs Habitat Steep Slopes/Geohazards

4. Existing utilities and underground objects?

- Storm Water Sewer Other _____

C. Adjacent Areas

1. Check any adjacent off-site areas that may be affected by site disturbance and describe (check all that apply):

- Residential Areas Roads Ditches, pipes, culverts Steep Slopes/Geohazards
Other _____

2. Describe how and where surface water enters the site from upstream properties:

3. Describe the downstream drainage path leading from the site to adjacent property, drainage system, or water body. If water is held on-site, describe it:

D. Soils Information

If the project is proposing construction on or near slopes 15% or greater, or proposing to infiltrate construction stormwater runoff; the City require soils information to be submitted before allowing construction on these sites. Permanent infiltration facilities shall not be used during construction unless approved in writing by the Responsible Official.

- 1. Does the project propose construction on or near slopes 15% or greater? Yes No
- 2. Does the project propose to infiltrate construction stormwater? Yes No

If yes, provide soils information, obtain and attach approval letter from the Responsible Official.

E. Erosion and Sediment Control Site Plan

The erosion and sediment control site plan is a drawing which shows the location of the proposed BMPs. Provide an erosion and sediment control site plan per City’s Design Standard Manual.

F. Construction Sequencing/Phasing

1. The standard construction sequence is as follows:

- Mark clearing/grading limits.
- Install initial erosion control practices (construction entrance, silt fence, catch basin inserts).
- Clear and grade site as outlined in the site plan while implementing and maintaining temporary erosion and sediment control practices at the same time.
- Install proposed site improvements (building, driveways, landscaping, etc.).
- Remove erosion control methods as permitted by the inspector and repair permanent erosion protection as necessary.
- Monitor and maintain permanent erosion protection until fully established.

List any changes from the standard construction sequence outlined above.

2. Construction Schedule:

Provide a proposed construction schedule (construction start and end dates).

Start Date: _____ End Date: _____

Wet Season Construction Activities:

Describe any construction activities that will occur between October 1 and July 5.

Section 4 – Thirteen Elements of a Construction SWPPP

The following 13 elements are required for each SWPPP. For each element that applies to the project, at least one BMP must be selected and used on the site. If an element does not apply to the project site describe why the element does not apply.

Instructions for using and installing each BMP are given in the latest Stormwater Manual for Western Washington (SWMMWW) and it is available on Ecology’s website. BMPs listed below designated with a “C” will be found in the SWMMWW and designated with an “EC” will be found in the City’s Design Standard Manual (IV. Engineering Details) located on the City’s website.

Instructions:

- 1. Review the 13 elements of a construction SWPPP below.
- 2. Select at least one BMP for each element.
- 3. For any BMP selected, follow the instructions in the table for including the BMP in the Abbreviated Construction SWPPP.
 - a. If instructed to draw the BMP on the site plan, see Section 3E for instructions.

- b. If instructed to submit the standard detail, include detail with SWPPP.
 - c. If instructed to submit detailed drawing and/or calculations, have an engineer provide a detailed drawing of proposed BMP in plan and profile views with dimensions and calculates described in the design criteria.
4. If the element does not apply to the project, check "N/A" and describe why.

The SWPPP is a living document reflecting current conditions and changes throughout the life of the project. These changes may be informal (i.e. hand-written notes and deletions). Update the SWPPP when the CESCL or Inspector has noted a deficiency in BMPs or deviation from original design.

Element #1 – Preserve Vegetation and Mark Clearing Limits

Retain the duff layer, native topsoil, and natural vegetation in an undisturbed state to the maximum extent practicable. If it is not practicable to retain the duff layer in place, it should be stockpiled onsite, covered to prevent erosion, and replaced immediately upon completion of the ground-disturbing activities.

All construction projects must clearly mark any clearing limits, sensitive areas and their buffers, and any trees that will be preserved prior to beginning any land disturbing activities. Clearly mark the limits both in the field and on the plans. Limits shall be marked in such a way that any trees or vegetation to remain will not be harmed.

The BMP(s) being proposed to meet this element are:

Check to Select (*Requires Engineering)	If Selected		
	Draw Location(s) on Site Plan	Submit Standard Detail	Submit Detailed Drawing/Calcs*
<input type="checkbox"/> C101 Preserving Native Vegetation	x		
<input type="checkbox"/> C102 Buffer Zones	x		
<input type="checkbox"/> C103 High Visibility Fence	x		
<input type="checkbox"/> EC13 Silt Fence for Home Builders	x	x	

OR Element is N/A: _____

Element #2 – Establish Construction Access

All construction projects subject to vehicular traffic shall provide a means of preventing vehicle "tracking" of soil from the site onto streets or neighboring properties. Limit vehicle ingress and egress to one route. All access points shall be stabilized with a rock pad construction entrance in accordance with BMP EC6 and EC28. The applicant should consider placing the entrance in the area for future driveway(s), as it may be possible to use the rock as a driveway base material.

The entrance(s) must be inspected weekly, at a minimum, to ensure no excess sediment buildup or missing rock. If sediment is tracked offsite, it shall be swept or shoveled from the paved surface immediately. Keep streets clean at all times. **Street washing and the use of mechanical brooms and leaf blowers for sediment removal are not allowed.** Only vacuum sweeping may be used on public streets. The proposed construction entrance must be identified on the site plan.

The BMP(s) being proposed to meet this element are:

Check to Select (*Requires Engineering)	If Selected		
	Draw Location(s) on Site Plan	Submit Standard Detail	Submit Detailed Drawing/Calcs*
<input type="checkbox"/> EC28 Construction Entrance for Home Builders	x	x	

OR Element is N/A: _____

Element #3 – Control Flow Rates

Protect properties and waterways downstream of the development site from erosion due to increases in volume, velocity, and peak flow of stormwater runoff from the project site.

Permanent infiltration facilities shall not be used for flow control during construction unless specifically approved in writing by Responsible Official. Sediment traps can provide flow control for small sites by allowing water to pool and allowing sediment to settle out of the water.

The BMP(s) being proposed to meet this element are:

Check to Select (*Requires Engineering)	If Selected		
	Draw Location(s) on Site Plan	Submit Standard Detail	Submit Detailed Drawing/Calcs*
<input type="checkbox"/> EC22 Temporary Sediment Trap	x		x
<input type="checkbox"/> EC15 Straw Wattles Behind Curb	x	x	

OR Element is N/A: _____

Element #4 – Install Sediment Controls

Prior to leaving a construction site, runoff from disturbed areas must pass through a sediment removal device. Sediment barriers are used to slow sheet flow of stormwater and allow the sediment to settle out behind the barrier. Install/construct the sediment control BMPs before site grading.

The BMP(s) being proposed to meet this element are:

Check to Select (*Requires Engineering)	If Selected		
	Draw Location(s) on Site Plan	Submit Standard Detail	Submit Detailed Drawing/Calcs*
<input type="checkbox"/> EC13 Silt Fence for Home Builders	x	x	
<input type="checkbox"/> C234 Vegetated Strip	x		
<input type="checkbox"/> EC15 Straw Wattles Behind Curb	x	x	
<input type="checkbox"/> EC22 Temporary Sediment Trap	x		x

OR Element is N/A: _____

Element #5 – Stabilize Soils

Stabilize exposed and unworked soils by applying BMPs that protect the soils from raindrop impact, flowing water, and wind. **During the wet season from October 1st through July 5th, no soils shall remain exposed or unworked for more than 2 days. From July 6th through September 30th, no soils shall remain exposed and unworked for more than 7 days.** This applies to all soils on site whether at final grade or not. Stabilized soil stockpiles from erosion, protected with sediment trapping measures, shall be located away from storm drain inlets, waterways and drainage channels. Minimize dust with the use of approved BMPs.

The BMP(s) being proposed to meet this element are:

Check to Select (*Requires Engineering)	If Selected		
	Draw Location(s) on Site Plan	Submit Standard Detail	Submit Detailed Drawing/Calcs*
<input type="checkbox"/> C120 Temporary & Permanent Seeding	x		
<input type="checkbox"/> EC27 Stockpile Protection	x	x	
<input type="checkbox"/> C124 Sodding	x		
<input type="checkbox"/> C125 Compost	x		
<input type="checkbox"/> C125 Topsoiling	x		
<input type="checkbox"/> C140 Dust Control	x		

OR Element is N/A: _____

Element #6 – Protect Slopes

Protect slopes by diverting water away from the top of the slopes. Reduce slope velocities by minimizing the continuous length of the slope, which can be accomplished by terracing and roughening slope sides. Establishing vegetation on slopes will protect slopes as well.

The BMP(s) being proposed to meet this element are:

Check to Select (*Requires Engineering)	If Selected		
	Draw Location(s) on Site Plan	Submit Standard Detail	Submit Detailed Drawing*
<input type="checkbox"/> EC24 Interceptor Swale and Dike	x		x
<input type="checkbox"/> EC21 Grass Lined Channel	x		x

OR Element is N/A: _____

Element #7 – Protect Drain Inlets

Protect all storm drain inlets during construction so that site runoff does not enter inlets without first being filtered to remove sediment. Install catch basin protection on all catch basins within 500 feet downstream of the project. Once the site is fully stabilized, catch basin protection must be removed.

The BMP(s) being proposed to meet this element are:

Check to Select (*Requires Engineering)	If Selected		
	Draw Location(s) on Site Plan	Submit Standard Detail	Submit Detailed Drawing*
<input type="checkbox"/> EC8 Inlet Protection – Curb Sediment Trap	x		
<input type="checkbox"/> EC9 Inlet Protection – Catch Basin Insert	x		
<input type="checkbox"/> EC10 Inlet Protection – Combination Inlet	x		
<input type="checkbox"/> EC11 Inlet Protection - Biobags	x		

OR Element is N/A: _____

Element #8 – Stabilize Channels and Outlets

Stabilize all temporary and permanent conveyance channels and their outlets.

The BMP(s) being proposed to meet this element are:

Check to Select (*Requires Engineering)	If Selected		
	Draw Location(s) on Site Plan	Submit Standard Detail	Submit Detailed Drawing*
<input type="checkbox"/> EC20 Erosion Control Blankets	x		
<input type="checkbox"/> C202 Channel Lining	x		
<input type="checkbox"/> EC23 Check Dams	x	x	
<input type="checkbox"/> C209 Outlet Protection	x		

OR Element is N/A: _____

Element #9 – Control Pollutants

Handle and dispose of all pollutants, including demolition debris and other solid wastes, to keep them out of rain and stormwater. Provide cover and containment for all chemicals, liquid products (including paint), petroleum products, and other materials. Apply fertilizers and pesticides following manufacturers’ instructions for application rates and procedures. Handle all concrete and concrete waste appropriately.

Washout of concrete trucks must be performed off-site or in designated concrete washout areas only. Do not wash out concrete trucks, chutes, tools or equipment onto the ground or into storm drains, open ditches, streets, or streams. Do not

dump excess concrete on site, except in designated concrete washout areas. Concrete spillage or concrete discharge to surface waters of the state is prohibited.

The BMP(s) being proposed to meet this element are:

Check to Select (*Requires Engineering)	If Selected		
	Draw Location(s) on Site Plan	Submit Standard Detail	Submit Detailed Drawing*
<input type="checkbox"/> C150 Materials on Hand	x		
<input type="checkbox"/> C151 Concrete Handling	x		
<input type="checkbox"/> C153 Materials, Delivery, Storage, and Containment	x		
<input type="checkbox"/> C154 Concrete Washout Area	x		x

OR Element is N/A: _____

Element #10 – Control Dewatering

Clean, non-turbid dewatering water, such as groundwater, can be discharged to the stormwater system provided the dewatering flow does not cause erosion or flooding or downstream conveyances or receiving waters. Do not mix clean dewatering water with turbid or contaminated dewatering water. Treat or dispose of turbid or contaminated dewatering water through a sediment pond or trap or through approved treatment or disposal options.

Dewatering water must be managed to prevent the discharge of the contaminants to waters of the State, including dewatering water that has comeingled with stormwater (i.e. treatment system, off-site disposal).

The BMP(s) being proposed to meet this element are:

Check to Select (*Requires Engineering)	If Selected		
	Draw Location(s) on Site Plan	Submit Standard Detail	Submit Detailed Drawing*
<input type="checkbox"/> EC22 Temporary Sediment Trap	x		x

OR Element is N/A: _____

Element #11 – Maintain BMPs

Maintain and repair ESC BMPs as needed. Inspect all BMPs at least weekly and after every 1/2" storm event. Keep an inspection log on site and available for review by the City inspector at all times.

Remove all temporary erosion and sediment control BMPs within 30 days after final site stabilization or if the BMP is no longer needed. Any trapped sediment should be removed or stabilized onsite. No sediment shall be discharged in to the storm drainage system or natural conveyance systems.

The BMP(s) being proposed to meet this element are:

Check to Select (*Requires Engineering)	If Selected		
	Draw Location(s) on Site Plan	Submit Standard Detail	Submit Detailed Drawing*
<input type="checkbox"/> C150 Materials on Hand	x		
<input type="checkbox"/> C160 Certified Erosion and Sediment Control Lead			

OR Element is N/A: _____

Element #12 – Manage the Project

Coordinate all work before initial construction with subcontractors and other utilities to ensure no areas are prematurely worked.

Designate an erosion control inspector for the construction site. If land disturbing activity is undertaken by a licensed contractor, the erosion control inspector must possess a valid CESCL certification. The erosion control inspector must be on site or on-call 24 hours a day.

The erosion control inspector is responsible for:

- Ensuring that the ESC BMPs are appropriate for the site and are functioning.
- Updating the Abbreviated Construction SWPPP when site conditions warrant.
- Maintaining the inspection log on site.

The BMP(s) being proposed to meet this element are:

Check to Select	If Selected		
	Draw Location(s) on Site Plan	Submit Standard Detail	Submit Schedule
<input type="checkbox"/> C160 Certified Erosion and Sediment Control Lead			
<input type="checkbox"/> C162 Scheduling			x

OR Element is N/A: _____

Element #13 – Protect Low Impact Development BMPs

Protect LID BMPs from compaction, erosion, and sedimentation.

Bioretention and Rain Gardens

Prevent compaction of areas planned for bioretention and rain gardens by excluding construction equipment. Avoid unnecessary foot traffic, and allow necessary foot traffic only when soils are not wet.

Protect all bioretention and rain gardens from sedimentation through installation and maintenance of erosion and sediment control BMPs on portions of the site that drain onto them.

If they accumulate sediment during construction, restore the BMPs to their fully functioning condition. Restoration must include removal of sediment and any sediment-laden bioretention/rain garden soils, and replacing the removed soils with soils meeting the design specification.

Permeable Pavement

Control erosion and avoid introducing sediment from surrounding land uses onto permeable pavements. Do not allow muddy construction equipment on the base material or pavement. Do not allow sediment-laden runoff on to permeable pavements.

Permeable pavements fouled with sediment or no longer passing an initial infiltration test must be cleaned in accordance to manufacturer’s procedures.

Other LID BMPs

Keep all heavy equipment off areas where LID facilities will be located. Protect completed lawn and landscaped areas from compaction by construction equipment.

The BMP(s) being proposed to meet this element are:

Check to Select (*Requires Engineering)	If Selected		
	Draw Location(s) on Site Plan	Submit Standard Detail	Submit Detailed Drawing*
<input type="checkbox"/> C102 Buffer Zone	x		
<input type="checkbox"/> C103 High Visibility Fence	x		
<input type="checkbox"/> EC13 Silt Fence for Home Builders	x	x	
<input type="checkbox"/> C234 Vegetated Strip	x		
<input type="checkbox"/> Sand Bags	x		

OR Element is N/A: _____