Abbreviated Construction
Stormwater Pollution Prevention Plan (SWPPP)

The Abbreviated Construction SWPPP may be used for projects that are required to submit a Construction SWPPP under Minimum Requirement # 2 (2,000 sq. ft. or more of new plus replaced hard surface area, or which disturb 7,000 sq. ft. or more) and projects that disturb less than 1 acre. 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 must be updated if conditions or plans change or if the ESC BMPs are found to be ineffective.

Section 1 — Submittal Requirements

Submittal timing differs based on the type of permit or application and should be discussed with the Responsible Official. In all cases, the SWPPP shall be submitted prior to any land-disturbing activity.

The following submittals are required:

- 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

Permit: Development or Building Permit Number(s): _____

Property Info

Address: _____

Parcel Number: _____ Size of Parcel (acres/sq. ft.): _____

Applicant Info

Name: _____

Address: _____

Phone Number: _____ E-mail: _____

Property Owner Info

Name: _____

Address: _____

Phone Number: _____ E-mail: _____

Erosion Control Inspector / CESCL: 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 times. If construction is carried out by a licensed contractor, then the inspector must be a Certified Erosion and Sediment Control Lead (CESCL).

Name: _____ CESCL #: _____

Phone Number: _____ E-mail: _____

Become a Certified Erosion & Sediment Control Lead (CESCL):
https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Certified-erosion-sediment-control

View a list of CESCL's in the City of Vancouver using the Department of Ecology's CESCL Database:
https://fortress.wa.gov/ecy/wqcescl/

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 sections A – F, below.

A. Project Description (check all that apply)

☐New Structure / Building ☐Building Addition ☐Grading/Excavation ☐Paving ☐Utilities

☐Other _____

Total Project Area (square feet)	
Total Proposed Impervious and Hard Area (square feet)	
Total Existing Impervious and Hard Area (square feet)	
Total Area to be Disturbed (square feet or acres)	
Total Volume of Cuts (cubic yards)	
Total Volume of Fill (cubic yards)	

Brief Project Description:

_____

_____

_____

B. Existing Site Conditions - Describe existing site conditions. If multiple choices, check all that apply.

1. Describe the existing site conditions.

☐Forest ☐Prairie ☐Pasture ☐Pavement

☐Landscaping ☐Brush ☐Trees ☐Other

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

☐Overland ☐Gutter ☐Catch Basin ☐Ditch/Swale

☐Storm sewer pipes ☐Stream/Creek ☐Other

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

☐Streams ☐Lakes/Ponds ☐Wetlands ☐Steep Slopes/Geohazard

☐Floodplain ☐Springs ☐Habitat ☐Critical Aquifer Recharge Area

3. Existing utilities and underground objects?

☐Storm ☐Water ☐Sewer ☐Other

☐Fuel tanks ☐Septic systems ☐Groundwater wells

C. Adjacent Areas

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

☐Streams ☐Lakes ☐Wetlands ☐Steep Slopes/Geohazards

☐Residential Areas ☐Roads ☐Ditches, pipes, culverts

☐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 site stormwater runoff, the City may 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, 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.

Submit an erosion and sediment control site plan on 8½ x 11 or 11 x 17 paper.

For projects meeting Minimum Requirements #1 - #5, the site plan may be either drawn by hand or drafted electronically. For projects meeting Minimum Requirements #1 - #9, the plan must be drafted electronically.

The erosion and sediment control site plan must show the location of improvements, grading, filling, and construction stormwater and erosion control BMPs. Show the following listed items on the site plan.

- Address, Parcel Number, and Street names
- North Arrow
- Boundaries of existing vegetation (e.g. tree lines, grass, pasture, fields, etc.)
- On-site or adjacent critical areas and associated buffers (e.g. wetlands, steep slopes, streams, etc.)
- Existing and proposed contours
- Areas that are to be cleared and graded
- Cut and fill slopes, indicating top and bottom of slope catch lines
- Locations where upstream run-on enters the site and locations where runoff leaves the site
- Existing surface water flow direction(s)
- Label final grade contours and indicate proposed surface water flow direction and surface water

conveyance systems (e.g. pipes, catch basins, ditches, etc.).

- Grades, dimensions, and direction of flow in all (existing and proposed) ditches, swales, culverts, and pipes
- Locations and outlets of any dewatering systems (usually to sediment trap)
- Identify and locate all erosion control techniques to be used during and after construction
- Finish floor elevations of all structures

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, grade, and fill 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 (buildings, driveways, landscaping, permanent stormwater control facilities (if required), 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 phasing: If construction is going to occur in separate phases, describe:

   _____

   _____

   _____

3. Construction Schedule

   Provide a proposed construction schedule (dates construction starts and ends, and dates for any construction phasing).

   Start Date: _____ End Date: _____

   Interim Phasing Dates: _____

   Wet Season Construction Activities - describe any construction activities that will occur between October 1 and April 30.

   _____

   _____

   _____

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 Stormwater Manual for Western Washington available on Ecology's website at 2014 SWMMWW . BMPs listed below designated with a "C" will be found here. City of Vancouver Erosion Details of BMPs designated with an "E" are available on the City's website at **https://www.cityofvancouver.us/sites/default/files/fileattachments/public_works/page/11891/erosionpreventiondetails.pdf** .

1. Review the 13 elements of a construction SWPPP below.
2. Select at least one BMP for each element and describe why.
3. For any BMP you select, 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 3-D for instructions.
    b. If instructed to submit the standard detail, find the BMP's standard plan, then print and submit the detail.
    c. If instructed to submit a detailed drawing and/or calculations, then have an engineer provide a detailed drawing of the proposed BMP in plan and profile views with dimensions and calculations described in the design criteria.
4. If the element does not apply to the project, check "N/A" and describe why.

For phased construction plans, clearly indicate erosion control methods to be used for each phase of construction.

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 activity.

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*
☐C101 Preserving Native Vegetation	x		
☐C102 Buffer Zones	x		
☐C103 High Visibility Fence	x		
☐E-2.33 Silt Fence	x	x	

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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 E-1.05. 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	If Selected		
	Draw Location(s) on Site Plan	Submit Standard Detail	Submit Detailed Drawing/Calcs*
☐E-1.05 Stabilized Construction Entrance	x	x	
☐E-1.06 Wheel Wash	x		
☐C107 Construction Road/Parking Area Stabilization	x		

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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 Surface Water Management. 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*
☐E-2.40 Sediment Trap	x		x
☐C203 Water Bar	x		
☐E-2.07 Check Dams	x	x	
☐E-2.35 Straw Wattles	x	x	

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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. "Biobags" are not approved sediment controls or inlet protection devices. 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*
☐E-2.31 Brush Barrier	x		
☐C232 Gravel Filter Berm	x	x	x
☐E-2.33 Silt Fence	x	x	
☐C234 Vegetated Strip	x		
☐E-2.35 Straw Wattles	x	x	
☐E-2.40 Sediment Trap	x		x

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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 1 through April 30, no soils shall remain exposed or unworked for more than 2 days. From May 1 to September 30, 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.

Stabilize soil stockpiles from erosion, protected with sediment trapping measures, and 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*
☐ C120 Temporary & Permanent Seeding	x		
☐C121 Mulching	x		
☐E-1.22 Nets and Blankets	x		
☐E-1.23 Plastic Covering	x	x	
☐C124 Sodding	x		
☐C125 Compost	x		
☐C125 Topsoiling	x		
☐E-1.31 Gradient Terraces	x		
☐E-1.30 Surface Roughening	x		

☐C140 Dust Control	x		

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OR ☐Element is N/A: _____

Element #6 – Protect Slopes

Protect slopes by diverting water away from the top of the slope. 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/Calcs*
☐E-2.00 Interceptor Dike and Swale	x		x
☐E-2.01 Grass-Lined Channels	x		x
☐C203 Water Bars	x		
☐E-2.04 Pipe Slope Drains	x		x
☐E-2.06 Level Spreader	x		
☐E-2.07 Check Dams	x	x	
☐C208 Triangular Silt Dike	x		

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OR ☐Element is N/A: _____

Element #7 – Protect Drain Inlets

Protect all storm drain inlets during construction so that site runoff does not enter the 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. "Biobags" are not approved sediment controls or inlet protection devices.

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*
☐E-2.20a/b Storm Drain Inlet Protection	x		

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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/Calcs*
☐E-1.22 Nets and Blankets	x		
☐C202 Channel Lining	x		
☐E-2.07 Check Dams	x	x	
☐C209 Outlet Protection	x		

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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/Calcs*
☐C150 Materials on Hand	x		
☐C151 Concrete Handling	x		
☐C152 Saw Cutting and Surface Pollution Prevention	x		
☐C153 Materials, Delivery, Storage, and Containment	x		
☐C154 Concrete Washout Area	x		x

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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 of 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 onsite through a sediment pond or trap or through approved treatment or disposal options.

Dewatering water must be managed to prevent the discharge of contaminants to waters of the State, including dewatering water that has comingled 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/Calcs*
☐E-2.40 Temporary Sediment Trap	X	X	
☐E-2.41 Temporary Sediment Pond	X	X	
☐Infiltration			
☐Transport off-site in a vehicle (vacuum truck for legal disposal)			
☐C250 Ecology-approved on-site chemical treatment (ex: Baker Tank)	X		X
☐E-2.46 Use of a sedimentation bag that discharges to a ditch or swale (small volumes of localized dewatering)	X	X	
☐Sanitary or combined sewer discharge with local sewer district approval	X		X

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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 ½" 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 into the storm drainage system or natural conveyance systems.

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

Check to Select (* requires engineering)	If		
	Draw Location(s)	Submit Standard Detail	Submit Detailed Drawing/Calcs*
☐C150 Materials on Hand	x		
☐C160 Certified Erosion and Sediment Control Lead			

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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 the 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 (* requires engineering)	If Selected		
	Draw Location(s) on Site Plan	Submit Standard Detail	Submit Schedule
☐C160 Certified Erosion and Sediment Control Lead			
☐C162 Scheduling			x

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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 into 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 onto permeable pavements.

Permeable pavements fouled with sediments or no longer passing an initial infiltration text must be

cleaned using procedures from the 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/Calcs*
☐C102 Buffer Zone	x		
☐C103 High Visibility Fence	x		
☐E-2.00 Interceptor Dike and Swale	x		x
☐E-2.01 Grass-Lined Channels	x		x
☐E-2.07 Check Dams	x	x	
☐C208 Triangular Silt Dike	x		
☐E-2.31 Brush Barrier	x		
☐E-2.33 Silt Fence	x	x	
☐C234 Vegetated Strip	x		
☐Sand Bags	x		

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OR ☐Element is N/A: _____