



6168 NE Hwy 99 #103

Vancouver, WA 98665

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(360) 931-3122

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# Stormwater Pollution Prevention Plan (SWPPP)

Mt St Helens MC Club Kart Track

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**City of Castle Rock**

Parcel 309320100

Property ID 3,043,582

75 PH 10

Castle Rock, WA 98611

**January 30, 2024**

9:30 AM - Nick Schmit

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## Section I – Submittal Requirements

The abbreviated Construction SWPPP shall be prepared and stamped by a licensed engineer in the state of Washington or, if preparation of the SWPPP does not involve the practice of engineering, by a person who holds a valid Certified Erosion and Sediment Control Lead (CESCL) certification. The project TIR provides the Certificate of the Engineer showing the engineer of record for this project and their stamp and signature.

Submittal timing differs based on the type of permit or application and should be discussed with the Responsible Official. In all cases, this 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 (see stormwater plan sheets.)
- Standard details of Best Management Practices (BMPs) (see stormwater plan sheets.)

### Purpose:

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) 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.

**Note:** For the purposes of this SWPPP, the 2021 edition of the Clark County Stormwater Manual (CCSM) published by Clark County is utilized.

## Section II – Project Overview

### County Permit

Development Case or Building Permit Numbers:  
TBD

### Property Information

Address: 75 PH 10  
Castle Rock, WA 98611  
Parcel SN: 309320100  
Abbr. Legal: 814 (CASTLE ROCK OUTLOT) -CROL -407 10-9N -2W CAGLE DLC.  
Area: 4.66 AC (PER ASSESSOR DATA)

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**Applicant Information**

Name: **ENGINEERING NORTHWEST PLLC**  
Address: **6168 NE HWY 99 #103**  
**VANCOUVER, WA 98665**  
Phone: **360-931-3122**  
Email: [PAULWILLIAMSPE@GMAIL.COM](mailto:PAULWILLIAMSPE@GMAIL.COM)

**Owner Information**

Name: **MT ST HELENS MOTORCYCLE CLUB**  
Address: **PO BOX 555**  
**CASTLE ROCK, WA 98611**  
Phone:  
Email:

**Erosion Control Inspector**

Designated 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 always on site or on call.

☒ Inspector identified below will be on site or on call at all times.

Name: *TBD or owner*

CESCL #:

Address:

Phone:

Emergency:

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## Section III – 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 – E below.

Note: From October 1 to April 30, clearing, grading, and other soil disturbing activities shall only be permitted by special authorization from the Responsible Official.

### A. Project Description

Check all that apply.

- ☐ New Structure / Building
- ☐ Building Addition
- ☒ Grading / Excavation
- ☒ Paving
- ☒ Utilities
- ☐ Other:

Total Project Area	4.66 AC
Total Proposed Impervious and Hard Surface Area	0.50 AC
Total Existing Impervious and Hard Surface Area	2.24 AC
Total Area to be Disturbed	0.60 AC
Total Volume of Cuts	0 CY
Total Volume of Fills	0 CY

Brief project description:

Construct kart track.

### B. Existing Site Conditions

Describe the existing site conditions. If there are multiple choices, check all that apply.

1. Describe the existing site conditions.
  - ☐ Forest
  - ☐ Prairie
  - ☐ Pasture
  - ☒ Pavement, gravel
  - ☐ Landscaping
  - ☐ Brush
  - ☐ Trees
  - ☒ Other: Buildings
2. Describe how surface water drainage flows across / from the site.
  - ☒ Overland
  - ☐ Gutter
  - ☐ Catch Basin
  - ☐ Ditch / Swale
  - ☐ Storm Pipe
  - ☒ Stream/Creek
  - ☒ Other: Infiltration
3. Are sensitive and or critical areas present on the site?
  - ☐ Streams
  - ☐ Lake / Pond
  - ☐ Wetlands
  - ☐ Steep Slopes
  - ☐ Floodplain
  - ☐ Springs
  - ☐ Habitat
  - ☐ CARA
  - ☐ Geohazard
  - ☐ Other:

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4. Describe existing utilities and underground objects.

- ☐ Storm ☐ Water ☐ Sewer ☐ Fuel Tanks  
☐ Groundwater Well ☐ Septic System ☒ Other: electrical

### C. Adjacent Areas

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

- ☒ Streams ☐ Lakes ☐ Wetlands ☐ Steep Slopes  
☐ Residential ☐ Roads ☐ Ditches / Pipes / Culverts  
☐ Other:

*Whittle creek exists roughly 100' off site to the east. No impact as a result of this project is anticipated provided proper erosion control measures are maintained.*

2. Describe how and where surface water enters the site from upstream properties:  
*No significant contribution from offsite properties due to infiltration.*

3. Describe the downstream drainage path leading from the site to adjacent property, drainage system, or water body. If the water is held on site, describe it:  
*Runoff generally flows east toward the creek, but no significant discharge due to infiltration.*

4. If the project is proposing construction on or near slopes 15% or greater or proposing to infiltrate construction site stormwater runoff, the County 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.

a. Does the project propose construction on or near slopes 15% or greater?  
☐ Yes ☒ No

b. Does the project propose to infiltrate construction stormwater?  
☐ Yes ☒ No

### D. 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 CCSM Book 2, Chapter 8. An index of standard details of many BMPs is given on the Clark County Public Works 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 you select, follow the instructions in the table for including the BMP in the Abbreviated Construction SWPPP.
  - a. If instruction to draw the BMP on the site plan, see Section 4 for instruction.
  - b. If instructed to submit the standard detail, find the BMP's standard detail using the CCSM or Clark County Public Works website, and then print and submit the detail.
  - c. If instructed to submit a detailed drawing and/or calculations, then have an engineer

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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:

	If selected:		
	Draw location(s) on site plan	Submit Standard Detail	Submit Detailed Drawing
<input checked="" type="checkbox"/> C101 Preserving Native Vegetation	<b>X</b>		
<input type="checkbox"/> C102 Buffer Zones	<b>X</b>		
<input checked="" type="checkbox"/> C103 High Visibility Fence	<b>X</b>		
<input type="checkbox"/> C233 Silt Fence	<b>X</b>	<b>X</b>	

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 if possible. All access points shall be stabilized with a rock pad construction entrance in accordance with BMP C105. 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 for sediment removal is not allowed as it can transport sediment to downstream water courses and clog the downstream storm water system. The proposed construction entrance must be identified on the site plan.

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

	If selected:		
	Draw location(s) on site plan	Submit Standard Detail	Submit Detailed Drawing
<input type="checkbox"/> C105 Stabilized Construction Entrance	<b>X</b>	<b>X</b>	<b>X</b>
<input type="checkbox"/> C106 Wheel Wash	<b>X</b>		
<input type="checkbox"/> C107 Construction Road / Parking	<b>X</b>		

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**OR** ☒ Element is N/A : *The proposed land disturbing activity is situated greater than 900' from a paved public roadway. Sufficient space is available to wash equipment prior to transport to prevent any tracking onto public roadways. Existing gravel or paved areas exist on site to provide access for construction parking to vehicles or equipment without tracking across disturbed areas and generating the need for washing.*

### 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 Environmental Services. 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:

	If selected:		
	Draw location(s) on site plan	Submit Standard Detail	Submit Detailed Drawing
<input type="checkbox"/> C240 Sediment Trap	<b>X</b>		<b>X</b>
<input type="checkbox"/> C203 Water Bar	<b>X</b>		
<input type="checkbox"/> C207 Check Dams	<b>X</b>	<b>X</b>	
<input checked="" type="checkbox"/> C235 Wattles	<b>X</b>	<b>X</b>	

**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 BMP before site grading.

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

	If selected:		
	Draw location(s) on site plan	Submit Standard Detail	Submit Detailed Drawing
<input type="checkbox"/> C231 Brush Barrier	<b>X</b>		
<input type="checkbox"/> C232 Gravel Filter Berm	<b>X</b>	<b>X</b>	<b>X</b>
<input type="checkbox"/> C233 Silt Fence	<b>X</b>	<b>X</b>	
<input type="checkbox"/> C234 Vegetated Strip	<b>X</b>		
<input checked="" type="checkbox"/> C235 Wattles	<b>X</b>	<b>X</b>	
<input type="checkbox"/> C236 Vegetative Filtration			
<input type="checkbox"/> C240 Sediment Trap	<b>X</b>		<b>X</b>

**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

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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.

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

	If selected:		
	Draw location(s) on site plan	Submit Standard Detail	Submit Detailed Drawing
<input checked="" type="checkbox"/> C120 Temp. & Perm. Seeding	<b>X</b>		
<input type="checkbox"/> C121 Mulching	<b>X</b>		
<input type="checkbox"/> C122 Nets & Blankets	<b>X</b>		
<input type="checkbox"/> C123 Plastic Covering	<b>X</b>	<b>X</b>	
<input checked="" type="checkbox"/> C124 Sodding	<b>X</b>		
<input checked="" type="checkbox"/> C125 Compost	<b>X</b>		
<input checked="" type="checkbox"/> C126 Topsoiling	<b>X</b>		
<input type="checkbox"/> C131 Gradient Terraces	<b>X</b>		
<input type="checkbox"/> C130 Surface Roughening	<b>X</b>		
<input checked="" type="checkbox"/> C140 Dust Control	<b>X</b>		

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 them as well.

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

	If selected:		
	Draw location(s) on site plan	Submit Standard Detail	Submit Detailed Drawing
<input type="checkbox"/> C200 Interceptor Dike & Swale	<b>X</b>		<b>X</b>
<input type="checkbox"/> C201 Grass-Lined Channels	<b>X</b>		<b>X</b>
<input type="checkbox"/> C203 Water Bars	<b>X</b>		
<input type="checkbox"/> C204 Pipe Slope Drain	<b>X</b>		<b>X</b>
<input type="checkbox"/> C206 Level Spreader	<b>X</b>		
<input type="checkbox"/> C207 Check Dams	<b>X</b>	<b>X</b>	
<input type="checkbox"/> C208 Triangular Silt Dike	<b>X</b>		

OR ☒ Element is N/A : *No grading is proposed on steep slopes where BMPs may be necessary.*

#### 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.

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

	If selected:		
	Draw location(s) on site plan	Submit Standard Detail	Submit Detailed Drawing
<input type="checkbox"/> C220 Storm Drain Inlet Protection	<b>X</b>		

**OR** ☒ Element is N/A : *No drain inlets will receive flow from the project site.*

### 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:

	If selected:		
	Draw location(s) on site plan	Submit Standard Detail	Submit Detailed Drawing
<input type="checkbox"/> C122 Nets & Blankets	<b>X</b>		
<input type="checkbox"/> C202 Channel Lining	<b>X</b>		
<input type="checkbox"/> C207 Check Dams	<b>X</b>	<b>X</b>	
<input type="checkbox"/> C209 Outlet Protection	<b>X</b>		

**OR** ☒ Element is N/A : *No new channels requiring stabilization are proposed.*

### 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.

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

	If selected:		
	Draw location(s) on site plan	Submit Standard Detail	Submit Detailed Drawing
<input type="checkbox"/> C150 Materials on Hand	<b>X</b>		
<input type="checkbox"/> C151 Concrete Handling	<b>X</b>		
<input type="checkbox"/> C152 Sawcutting & Surface Pollution Prevention	<b>X</b>		
<input checked="" type="checkbox"/> C153 Materials, Delivery, Storage, and Containment	<b>X</b>		
<input type="checkbox"/> C154 Concrete Washout Area	<b>X</b>		<b>X</b>

**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 through a sediment pond or trap or to the local sanitary sewer, if permitted.

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

	If selected:		
	Draw location(s) on site plan	Submit Standard Detail	Submit Detailed Drawing
<input type="checkbox"/> C203 Water Bars	<b>X</b>		
<input type="checkbox"/> C236 Vegetative Filtration	<b>X</b>		

**OR** ☒ Element is N/A : *Dewatering is not anticipated to be required on this site.*

### Element #11 – Maintain BMPs

Maintain and repair ESC BMPs as needed. Inspect all BMPs at least weekly and after every storm event. Keep an inspection log on site and available for review by the County 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:

	If selected:		
	Draw location(s) on site plan	Submit Standard Detail	Submit Detailed Drawing
<input type="checkbox"/> C150 Materials on Hand	<b>X</b>		
<input checked="" type="checkbox"/> C160 CESCL			

**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, then 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 erosion and sediment control 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:

	If selected:		
	Draw location(s) on site plan	Submit Standard Detail	Submit Detailed Drawing
<input checked="" type="checkbox"/> C160 CESCL			
<input type="checkbox"/> C162 Scheduling			<b>X</b>

**OR** ☐ Element is N/A : \_\_\_\_\_

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### 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 test must be cleaned using procedures from CCSM Book 4 or 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:

	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"/> C200 Interceptor Dike & Swale	X		X
<input type="checkbox"/> C201 Grass-Lined Channel	X		X
<input type="checkbox"/> C207 Check Dams	X	X	
<input type="checkbox"/> C208 Triangular Silt Dike	X		
<input type="checkbox"/> C231 Brush Barrier	X		
<input type="checkbox"/> C233 Silt Fence	X	X	
<input type="checkbox"/> C234 Vegetated Strip	X		

OR ☒ Element is N/A : No LID BMPs are proposed.

### E. 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.)



- c. Clear, grade, and fill site as outline in the site plan while implementing and maintaining temporary erosion and sediment control practices at the same time.
- d. Install proposed site improvements (buildings, driveways, landscaping, permanent stormwater control facilities, etc.)
- e. Remove erosion control methods as permitted by the Building Inspector and repair permanent erosion protection as necessary.
- f. Monitor and maintain permanent erosion protection until fully established.

The Development Inspector or Building inspector assigned to the site will tell you at which points in the sequence an erosion control inspection is required.

List any changes from the standard construction sequence outlined above:

*No proposed changes to sequence. If erosion becomes a problem or if tracking of sediment is discovered leaving the site, the contractor shall contact the CESCL immediately.*

- 2. Construction Phasing: If construction is going to occur in separate phases, describe  
*Not applicable.*

- 3. Construction Schedule

Provide a proposed construction schedule (dates construction start and end, 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 IV – Erosion and Sediment Control Site Plan

The erosion and sediment control site plan is a drawing which shows the location of the proposed BMPs.

*An Erosion and Sediment Control Site Plan is included as part of the stormwater plan sheets.*