**Construction Stormwater Pollution Prevention Plan (SWPPP) Report**

(Insert Project Name)

**Prepared For**

(Insert City of Tacoma Permit Number(s) Associated with SWPPP)

**Project Location**

(Insert Project Address)

(Insert Project Parcel Number(s)

**SWPPP Prepared By**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Organization** | **Contact Telephone Number** | **Email Address** |
| (Insert Name) | (Insert Name) | (Insert Phone Number) | (Insert Email Address) |

**Erosion and Sediment Control Lead**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Organization** | **Contact Telephone Number** | **Email Address** | **CESCL/CPESC Number (if applicable)** |
| (Insert Name) | (Insert Name) | (Insert Phone Number) | (Insert Email Address) | (Insert Certification Number) |

**Proposed Construction Schedule**

|  |  |  |
| --- | --- | --- |
| **Proposed Start Date** | **Proposed End Date** | **Described proposed phasing or sequencing**  **(if any)** |
| (Insert Date) | (Insert Date) | (Insert description of phasing if any. If not, phasing is proposed state No Phasing Proposed) |

**Date Prepared**

(Insert Date)

(Insert Professional Engineer Certification and Stamp, if necessary)

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**Notes for Preparer:**

When completing the Construction Stormwater Pollution Prevention Plan Report provide all required information in the textbox forms under each section and delete any sections from the report and appendices that are not applicable to the proposed project. Further information and guidance on the information required can be found in the comment bubbles to the right of each section. Once the report has been completed delete all comment bubbles and grey highlighted instructions, select the References tab and update the Table of Contents, and input the figure/table numbers and names in List of Figures and List of Tables under the contents page above.

## Project Information

1. **Project Contents**

See Title Page for Construction Stormwater Pollution Prevention Plan Development Team and Erosion and Sediment Control Lead.

1. **Property Owner**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Organization** | **Mailing Address** | **Contact Telephone Number** | **Email Address** |
| (Insert Name) | (Insert Name) | (Insert Address) | (Insert Phone Number) | (Insert Email Address) |

1. **Applicant (if different than Property Owner)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Organization** | **Mailing Address** | **Contact Telephone Number** | **Email Address** |
| (Insert Name) | (Insert Name) | (Insert Address) | (Insert Phone Number) | (Insert Email Address) |

1. **Associated Permits**
2. Associated City of Tacoma Permit Number(s)

(Insert Associated City of Tacoma Permit Number(s))

1. Other Federal, State, or Local Associated Permit Types and Numbers

(Insert Other Federal, State, or Local Associated Permit Types and Numbers e.g. Associated Construction Stormwater General Permit, Industrial Permit, etc)

1. **Vesting**
2. City of Tacoma Stormwater Management Manual Edition Used

(Select Manual)

1. If using a manual other than the most current version, provide vesting justification:

(Insert Description of Vesting)

## Project Overview

1. **Provide a brief description of the proposed project.**

(Insert a Short Narrative Description of Proposed Project)

## Existing Project Site Conditions

1. **Describe in words and/or provide a figure(s) or drawing(s) that describe the existing site conditions.**

Insert description or figure(s)/drawings that include the following, where applicable:

* Existing project site use
* Stormwater Runoff Patterns (natural and artificial)
* Points where stormwater enters and exists the project site
* Locations of sensitive and critical areas (including groundwater protection areas, wetlands and their buffers, steep slopes, floodplains, geologic hazard areas, stream, creeks, ravines, springs, etc.) on the project site and within 500 feet of the project site
* Structures
* Fuel tanks (above and below ground)
* Groundwater wells on the project site and within 100 feet of the project site
* Septic systems on the project site and within 100 feet of the project site
* Superfund area on the project site and within 100 feet of the project site
* Flood Hazard Areas on the project site and within 100 feet of the project site
* All receiving waters downstream from the project site
* Public and private easements
* Description of site soils as related to erodibility. A soils report may be required depending upon the project site proposed activities, potential for erosion, and proximity to receiving waterbodies. The soils report may include information below as necessary to appropriately choose and size BMPs: Erodibility, Settleability, Permeability, Texture, Soil Structure
* Potential erosion control problem areas
* Include any additional information necessary to fully describe the existing project site conditions and surroundings as related to construction stormwater pollution prevention.

(Insert description or figure name and number here. If appliable insert figures/drawings below)

## 4. 13 Elements of Construction Stormwater Pollution Prevention

Below the 13 Elements of Construction Stormwater Pollution Prevention are provided. For each element, place a checkmark next to the BMP that will be used to satisfy the element. If Other is checked describe how the element will be addressed in detail. If an element is not required, justification for why that element is not required must be included. Volume 3, Table 3-1: Construction Stormwater BMPs by SWPP Element is a guide that can be used to help determine appropriate BMPs to address each Element.

### Element #1: Preserve Vegetation and Mark Clearing Limits

* Before beginning any land disturbing activities, including clearing and grading, clearly mark all clearing limits, sensitive areas and their buffers, and trees that are to be preserved within the construction area to prevent damage and offsite impacts. Mark clearing limits both in the field and on the plans.
* Retain the duff layer, native topsoil, and natural vegetation in an undisturbed state to the maximum degree practicable. If it is not practicable to retain the duff layer in place, stockpile it onsite, cover it to prevent erosion, and replace it immediately upon completion of the ground-disturbing activities.
* Plastic, metal, fabric fence, or other physical barriers may be used to mark the clearing limits.

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

BMP C101: Preserving Natural Vegetation

BMP C102: Buffer Zone

BMP C103: High Visibility Fence

Other: (Insert description of how element will be addressed)

This Element is not required for this project because: (Insert Justification as to why Element is not required)

### Element #2: Establish Construction Access

* Limit construction vehicle ingress and egress to one route, if possible.
* Stabilize access points with a pad of quarry spalls, crushed rock, or other equivalent BMPs to minimize tracking of sediment.
* Locate wheel wash or tire baths onsite if other measures fail to control sediment from leaving the site.
* No tracking of sediment offsite is allowed. If sediment is tracked offsite, offsite areas (including roadways) shall be thoroughly and immediately cleaned by shoveling or pickup sweeping. Transport sediment to a controlled sediment disposal area.
* Keep streets clean at ALL times. Clean tracked sediment immediately.
* Washing of sediment to the stormwater system is not allowed.

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

BMP C105: Stabilized Construction Entrance

BMP C106: Wheel Wash

BMP C107: Construction Road/Parking Area Stabilization

Other: (Insert description of how element will be addressed)

This Element is not required for this project because: (Insert justification as to why Element is not required)

### Element #3: Control Flow Rates

* Protect downstream properties, receiving waters, and conveyance systems from erosion and other damage due to increases in the velocity and peak volumetric flowrate of stormwater from the project site. A quantitative downstream analysis may be required to ensure no damage to the downstream conveyance system during construction. See Additional Protective Measure - Infrastructure Protection.
* Where necessary, construct flow control facilities as one of the first steps in grading.
* Flow control facilities shall be functional prior to construction of site improvements (e.g. impervious surfaces). It may be necessary to install temporary flow control facilities to meet flow control requirements during construction.
* Control structures designed for permanent flow control BMPs are not appropriate for use during construction without modification. If used during construction, modify the control structure to allow for long-term storage of runoff and enable sediments to settle. Verify that the BMP is sized appropriately for this purpose. Restore BMPs to their original design dimensions, remove sediment, and install a final control structure at completion of the project.
* Velocity of water leaving the site shall not exceed 3 feet/second if the discharge is to a stream or ditch.
* Permanent infiltration facilities shall not be used for flow control during construction unless lined. The bottom of the facility shall be scarified to ensure any compaction that occurred during construction is mitigated.

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

BMP C203: Water Bars

BMP C207: Check Dams

BMP C209: Outlet Protection

BMP C235: Wattles

BMP C240: Sediment Trap

BMP C241: Temporary Sediment Pond

Other: (Insert description of how element will be addressed)

This Element is not required for this project because: (Insert justification as to why Element is not required)

### Element #4: Install Sediment Controls

* Design, install, and maintain effective erosion controls and sediment control to minimize the discharge of pollutants.
* Minimize sediment discharges from the site. The design, installation and maintenance of erosion and sediment controls must address factors such as the amount, frequency, intensity and duration of precipitation, the nature of resulting stormwater, and soil characteristics, including the range of soil particle sizes expected to be present on the site.
* Prior to leaving a construction site or prior to discharge to an infiltration facility, stormwater from disturbed areas shall pass through a sediment removal BMP.
* Construct sediment control BMPs as one of the first steps in grading. These BMPs shall be functional before other land disturbing activities take place.
* Locate BMPs in a manner to avoid interference with the movement of juvenile salmonids attempting to enter off-channel areas or conveyance channels.
* Provide and maintain natural buffers around surface waters, direct stormwater to vegetated areas to increase sediment removal and maximize infiltration, where feasible.
* Seed and mulch earthen structures such as dams, dikes, and diversions according to the timing indicated in Element #5.
* Design outlet structures to withdraw impounded stormwater from the surface to avoid discharging sediment that is still suspended lower in the water column. If installing a floating pump structure, include a stopper to prevent the pump basket from hitting the bottom of the pond.
* Full stabilization includes concrete or asphalt paving; quarry spalls used as ditch lining; or the use of rolled erosion products, a bonded fiber matrix product, or vegetative cover in a manner that will fully prevent soil erosion.

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

BMP C231: Brush Barrier

BMP C232: Gravel Filter

BMP C233: Silt Fence

BMP C234: Vegetated Filter Strip

BMP C235: Wattles

BMP C240: Sediment Trap

BMP C241: Temporary Sediment Pond

BMP C250: Construction Stormwater Chemical Treatment

Other: (Insert description of how element will be addressed)

This Element is not required for this project because: (Insert justification as to why Element is no required)

### Element #5: Stabilize Soils

* Stabilize exposed and unworked soils by application of effective BMPs that prevent erosion.
* From October 1 through April 30, no soils shall remain exposed and 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 stabilization requirement applies to all soils onsite, whether at final grade or not.
* Stabilize soils at the end of the shift, before a holiday or weekend, if needed, based on the weather forecast.
* Select appropriate soil stabilization measures for the time of year, site conditions, estimated duration of use, and the potential water quality impacts that stabilization agents may have on downstream waters or groundwater.
* Stabilize soil stockpiles from erosion, protect stockpiles with sediment trapping measures, and where possible, locate piles away from stormwater system inlets, waterways, and conveyance channels.
* Control stormwater volume and velocity within the site to minimize soil erosion.
* Control stormwater discharges, including peak volumetric flowrates and total stormwater volume, to minimize erosion at outlets and to minimize downstream channel and stream bank erosion.
* Minimize the amount of soil exposed during construction activity.
* Minimize the disturbance of steep slopes.
* Minimize soil compaction and, unless infeasible, preserve topsoil.
* Ensure the gravel base used for stabilization is clean and does not contain fines or sediment.

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

BMP C120: Temporary and Permanent Seeding

BMP C121: Mulching

BMP C122: Nets and Blankets

BMP C123: Plastic Covering

BMP C124: Sodding

BMP C125: Compost

BMP C126: Topsoiling

BMP C127: Polyacrylamide for Soil Erosion Protection

BMP C130: Surface Roughening

BMP C131: Gradient Terraces

BMP C140: Dust Control

Other: (Insert description of how element will be addressed)

This Element is not required for this project because: (Insert justification as to why Element is not required)

### Element #6: Protect Slopes

* Design and construct cut-and-fill slopes in a manner to minimize erosion. Applicable practices include, but are not limited to, reducing continuous length of slope with terracing and diversions, reducing slope steepness, and roughening slope surfaces (for example, track walking).
* Divert offsite stormwater (sometimes called run-on) or groundwater away from slopes and disturbed areas with interceptor dikes and/or swales. Manage offsite stormwater separately from stormwater generated on the site.
* At the top of the slopes, collect stormwater in pipe slope drains or protected channels to prevent erosion. Size temporary pipe slope drains to convey either:
  + The peak volumetric flowrate calculated using a 10-minute time step from a Type 1A, 10-year, 24-hour frequency storm using a single event model, or
  + The 10-year return period flowrate, indicated by an Ecology-approved continuous simulation model, using a 15-minute time step.
* Use the existing land cover condition for predicting flowrates from tributary areas outside the project limits. For tributary areas on the project site, use the temporary or permanent project land cover condition, whichever will produce the highest flowrate. If using, a continuous simulation model, model bare soils as landscaped areas.
* Provide temporary or permanent conveyance to remove groundwater seepage from the slope surface of exposed soil areas.
* Place excavated material on the uphill side of trenches, consistent with safety and space considerations.
* Place check dams at regular intervals within channels that are cut down a slope.
* Stabilize soils on slopes, as specified in Element #5.

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

BMP C120: Temporary and Permanent Seeding

BMP C121: Mulching

BMP C122: Nets and Blankets

BMP C123: Plastic Covering

BMP C124: Sodding

BMP C130: Surface Roughening

BMP C131: Gradient Terraces

BMP C200: Interceptor Dike and Swale

BMP C201: Grass-Lined Channels

BMP C203: Water Bars

BMP C204: Pipe Slope Drains

BMP C205: Subsurface Drains

BMP C206: Level Spreader

BMP C207: Check Dams

BMP C208: Triangular Silt Dike (Geotextile-Encased Check Dam)

Other: (Insert description of how element will be addressed)

BMP This Element is not required for this project because: (Insert justification as to why Element is not required)

### Element #7: Protect Stormwater System Inlets

* Protect all stormwater system inlets that are operable during construction so that stormwater does not enter the conveyance system without first being filtered or treated to remove sediment.
* Clean or remove and replace inlet protection devices when sediment has filled 1/3 of the available storage (unless a different standard is specified by the product manufacturer).
* Keep all approach roads clean. Do not allow sediment to enter the stormwater system.
* Inspect inlets weekly at a minimum and daily during storm events.

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

BMP C220: Stormwater System Inlet Protection

Other: (Insert description of how element will be addressed)

This Element is not required for this project because: (Insert justification as to why Element is not required)

### Element #8: Stabilize Channels and Outlets

* Design, construct, and stabilize all temporary onsite conveyance channels to prevent erosion from either:
  + The peak volumetric flowrate calculated using a 10-minute time step from a Type 1A, 10-year, 24-hour frequency storm using a single event model, or
  + The 10-year return period flowrate, indicated by an Ecology-approved continuous simulation model, using a 15-minute time step.
* Use the existing land cover condition for predicting flowrates from tributary areas outside the project limits. For tributary areas on the project site, use the temporary or permanent project land cover condition, whichever will produce the highest flowrate. If using a continuous simulation model, model bare soils as landscaped areas.
* Provide stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes, and downstream reaches at the outlets of all conveyance systems.

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

BMP C122: Nets and Blankets

BMP C202: Rip Rap Channel Lining

BMP C207: Check Dams

Other: (Insert description of how element will be addressed)

This Element is not required for this project because: (Insert justification as to why Element is not required)

### Element #9: Control Pollutants

* Design, install, implement and maintain effective pollution prevention measures to minimize the discharge of pollutants.
* All discharges to the City of Tacoma wastewater system require City approval. Some discharges to the City of Tacoma stormwater system require City approval. The approval may include a separate Special Approved Discharge (SAD) permit. Visit <https://www.cityoftacoma.org/government/city_departments/environmentalservices/wastewater/wastewater_permits_and_manuals> for additional information about SAD Permits.
* Handle and dispose of all pollutants, including waste materials and demolition debris that occur on site in a manner that does not cause contamination of stormwater.
* Provide cover, containment, and protection from vandalism for all chemicals, liquid products, petroleum products, and other materials that have the potential to pose a threat to human health and the environment. Provide secondary containment for tanks holding pollutants including onsite fueling tanks. Secondary containment means placing tanks or containers within an impervious structure capable of containing 110% of the volume contained in the largest tank within the containment structure. Double-walled tanks do not require additional secondary containment.
* Conduct maintenance, fueling, and repair of heavy equipment and vehicles using spill prevention and control measures. Clean contaminated surfaces immediately following any spill incident.
* Conduct oil changes, hydraulic system drain down, solvent and degreasing cleaning operations, fuel tank drain down and removal, and other activities, which may result in discharge or spillage of pollutants to the ground or into stormwater using spill prevention measures, such as drip pans.
* Discharge wheel wash or tire bath wastewater to a separate onsite treatment system that prevents discharge to surface water. Alternatively, discharge wheel wash or tire bath wastewater to the wastewater system (only allowed with SAD Permit approval).
* Apply fertilizers and pesticides in a manner and at application rates that will not result in loss of chemicals to stormwater. Follow manufacturers’ recommendations for application rates and procedures.
* Use BMPs to prevent or treat contamination of stormwater by pH modifying sources. These sources include, but are not limited to, recycled concrete stockpiles, bulk cement, cement kiln dust, fly ash, new concrete washing and curing waters, waste streams generated from concrete grinding and sawing, exposed aggregate processes, dewatering concrete vaults, and concrete pumping and mixer washout waters.
* Adjust the pH of stormwater if necessary to prevent violations of water quality standards.
* Manage concrete washout appropriately.
  + Washout concrete truck drums or concrete handling equipment in onsite or offsite designated concrete washout areas only.
    - Do not washout concrete truck drums or concrete handling equipment to streets, the stormwater system, receiving waterbodies, or the ground.
  + Washout of small concrete handling equipment may be disposed of in a formed areas awaiting concrete where it will not contaminate stormwater and surface water or groundwater.
  + Do not use upland land applications for discharging wastewater from concrete washout areas.
  + Do not dump excess concrete onsite, except in designated concrete washout areas.
  + Do not washout anything contaminated with concrete into formed areas awaiting infiltration BMPs.
  + Concrete spillage or concrete discharge directly to groundwater or surface waters of the State is prohibited.
* Written approval from the Department of Ecology is required prior to using chemical treatment other than CO2, dry ice, or food grade vinegar to adjust pH.
* Clean contaminated surfaces immediately following any discharge or spill incident.
* Uncontaminated water from water-only based shaft drilling for construction of building, road, and bridge foundations may be infiltrated provided the wastewater is managed in a way that prohibits discharge to surface waters. Prior to infiltration, water from water-only based shaft drilling that comes into contact with curing concrete must be neutralized until pH is in the range of 6.5 to 8.5.

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

BMP C151: Concrete Handling

BMP C152: Sawcutting and Surface Pollution Prevention

BMP C153: Material Delivery, Storage and Containment

BMP C154: Concrete Washout Area

BMP C250: Construction Stormwater Chemical Treatment

Other: (Insert description of how element will be addressed)

This Element is not required for this project because: (Insert justification as to why Element is not required)

### Element #10: Dewatering

* Dewatering discharges to the City of Tacoma stormwater conveyance system or the City of Tacoma wastewater system may require City approval through a Special Approved Discharge (SAD) Permit. See <https://www.cityoftacoma.org/government/city_departments/environmentalservices/wastewater/wastewater_permits_and_manuals> for more information on the SAD Permit Process.
* Discharge foundation, vault, and trench dewatering water that has similar characteristics to site stormwater into a controlled conveyance system prior to discharge to a sediment trap or sediment pond. Stabilize channels as specified in Element #8.
* Clean, non-turbid dewatering water, such as well-point groundwater, can be discharged to systems tributary to state surface waters, as specified in Element #8, provided the dewatering flow does not cause erosion or flooding of receiving waters. Do not route clean dewatering water through TESC BMPs.
* Handle highly turbid or contaminated dewatering water separately from stormwater at the site.
* Other disposal options, depending on site constraints, may include:
  + Infiltration
  + Transport offsite in vehicle, such as a vacuum flush truck, for legal disposal in a manner that does not pollute state waters
  + Ecology approved onsite chemical treatment or other suitable treatment technologies
  + Use of a sedimentation bag that discharges to a ditch or swale for small volumes of localized dewatering

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

BMP C203: Water Bars

BMP C206: Level Spreader

BMP C236: Vegetative Filtration

Other: (Insert description of how element will be addressed)

This Element is not required for this project because: (Insert justification as to why Element is not required)

### Element #11: Maintain BMPs

* Maintain and repair as needed all temporary and permanent erosion and sediment control BMPs to assure continued performance of their intended function. Conduct maintenance and repairs in accordance with BMP specifications.
* Remove temporary erosion and sediment control BMPs within 30 days after final site stabilization is achieved or after the temporary BMPs are no longer needed. Trapped sediment shall be removed or stabilized onsite. Permanently stabilize disturbed soil resulting from removal of BMPs or vegetation.

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

BMP C150: Materials on Hand

BMP C160: Erosion and Sediment Control Lead

BMP C236: Vegetative Filtration

Other: (Insert description of how element will be addressed)

This Element is not required for this project because: (Insert justification as to why Element is not required)

### Element #12: Manage the Project

* *Phasing of Construction* – Phase development projects in order to prevent soil erosion and the transport of sediment from the project site during construction, unless the Erosion and Sediment Control Lead can demonstrate that construction phasing is infeasible. Revegetation of exposed areas and maintenance of that vegetation shall be an integral part of the clearing activities for any phase.
* *Seasonal Work Limitations* – From October 1 through April 30, clearing, grading, and other soil disturbing activities shall only be permitted if shown to the satisfaction of the City that silt-laden stormwater will be prevented from leaving the site through a combination of the following:
  + Site conditions including existing vegetative coverage, slope, soil type, and proximity to receiving waters;
  + Limitations on activities and the extent of disturbed areas; and
  + Proposed erosion and sediment control measures.

Based on the information provided and local weather conditions, the City may expand or restrict the seasonal limitation onsite disturbance. The following activities are exempt from the seasonal clearing and grading limitations:

* + Routine maintenance and necessary repair of erosion and sediment control BMPs
  + Routine maintenance of public facilities or existing utility structures that do not expose the soil or result in the removal of the vegetative cover to soil
  + Activities where there is one hundred percent infiltration of stormwater within the site in approved and installed erosion and sediment control facilities
* *Inspection and Monitoring*

1. Inspect, maintain, and repair all BMPs as needed to assure continued performance of their intended function. Projects regulated under the Construction Stormwater General Permit (CSWGP) must conduct site inspections and monitoring in accordance with Special Condition S4 of the CSWGP.
2. Projects that disturb one or more acres must have site inspections conducted by a Certified Erosion and Sediment Control Lead (CESCL) or Certified Professional in Erosion and Sediment Control (CPESC).
3. Projects disturbing less than one acre must have an Erosion Sediment Control Lead (ESC) conduct inspections. The ESC Lead does not have to have CESCL or CPESC certification.
4. The CESCL, CPESC, or ESC Lead shall be identified in the SWPPP and shall be onsite or on-call at all times.
5. The CESCL, CPESC, or ESC Lead must examine stormwater visually for the presence of suspended sediment, turbidity, discoloration, and oil sheen and evaluate the effectiveness of BMPs to determine if it is necessary to install, maintain, or repair BMPs.
6. The CESCL, CPESC, or ESC Lead must inspect all areas disturbed by construction activities, all BMPs, and all locations where stormwater leaves the site at least once every calendar week and within 24 hours of any discharge from the site. (Individual discharge events that last more than one day do not require daily inspections). The CESCL, CPESC, or ESC Lead may reduce the inspection frequency for temporary stabilized, inactive sites to once every calendar month.
7. Construction site operators must correct any problems identified by the CESCL, CPESC, or ESC Lead by:

* Reviewing the SWPPP for compliance with the 13 construction SWPPP elements and making appropriate revisions within 7 days of the inspection.
* Fully implementing and maintaining appropriate source control and/or treatment BMPs as soon as possible but correcting the problem within 10 days.
* Documenting BMP implementation and maintenance in the site log book. (Required for sites larger than 1 acre but recommended for all sites).

Sampling and analysis of the stormwater discharges from a construction site may be necessary on a case-by-case basis to ensure compliance with standards. Ecology or the City will establish these monitoring and associated reporting requirements.

* *Responsible Party* – For all projects, a 24-hour responsible party shall be listed in the SWPPP, along with that person’s telephone number and email address.
* *Maintenance of the Construction SWPPP* – Keep the Construction SWPPP onsite or within reasonable access to the site. Modify the SWPPP whenever there is a change in the design, construction, operation, or maintenance at the construction site that has, or could have, a significant effect on the discharge of pollutants to waters of the state.

Modify the SWPPP if, during inspections or investigations conducted by the owner/operator, City staff, or by local or state officials, it is determined that the SWPPP is ineffective in eliminating or significantly minimizing pollutants in stormwater discharges from the site. Modify the SWPPP as necessary to include additional or modified BMPs designed to correct problems identified. Complete revisions to the SWPPP within seven (7) days following the inspection. City of Tacoma Environment Services (review staff or inspector) may require that a modification to the SWPPP go through additional City review.

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

BMP C150: Materials on Hand

BMP C160: Erosion and Sediment Control Lead

BMP C162: Scheduling

Other: (Insert description of how element will be addressed)

This Element is not required for this project because: (Insert justification as to why Element is not required)

### Element #13: Protect Permanent Stormwater BMPs

* Protect all permanent stormwater BMPs from sedimentation through installation and maintenance of erosion and sediment control BMPs on portions of the site that drain into the BMPs. Restore all BMPs to their fully functioning condition if they accumulate sediment during construction. Sediment impacting Best Management Practices shall be removed before system start-up. Restoring the BMP shall include removal of all sediment and full replacement of treatment media.
* Prevent compacting infiltration facilities by excluding construction equipment and foot traffic.
* Keep all heavy equipment off native soils under infiltration BMPs that have been excavated to final grade to retain the infiltration rate of the soils.
* Protect lawn and landscaped areas from compaction due to construction equipment and material stockpiles.
* Do not allow muddy construction equipment on the base material of permeable pavement or on the permeable pavement section.
* Do not allow sediment laden runoff onto permeable pavements or base materials of permeable pavements.
* Permeable pavements fouled with sediment or that can no longer pass an initial infiltration test must be cleaned prior to final acceptance.

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

BMP C102: Buffer Zone

BMP C103: High Visibility Fence

BMP C200: Interceptor Dike and Swale

BMP C201: Grass-Lined Channels

BMP C207: Check Dams

BMP C208: Triangular Silt Dike (Geotextile-Encased Check Dam)

BMP C231: Brush Barrier

BMP C233: Silt Fence

BMP C234: Vegetated Filter Strip

Other: (Insert description of how element will be addressed)

This Element is not required for this project because: (Insert justification as to why Element is not required)

# Appendices

## Modeling Report

(Include the complete continuous simulation model and/or single event model reports here)

## Soils Report

The Soils Report is available as a stand-alone document as part of the Permit submittal. It is titled: (Insert Title and Document Date)

## Emerging Technology Use Level Designations

(Include the Use Level Designation(s))

## Relevant Historical Reports

(Include relevant historical reports)

## Temporary Erosion and Sediment Control BMPs

Attach only those BMPs (include the entirety of the BMP language) from Volume 3 of the SWMM that will be utilized onsite.