#### **COMMUNITY PLANNING & DEVELOPMENT**

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### **SECTION A: SMALL PROJECT STORMWATER SITE PLAN/REPORT**

#### **Narrative and Plan Submittal**

<u>Instructions</u>: This is a template for a simplified Stormwater Report. This form or an equivalent must accompany your Building Permit Application if the answer is "Yes" to each statement below. If "No" is the answer to one or more of the statements below, a full Drainage Report is required and the project does not qualify for use of the Small Project Stormwater Site Plan/Report template.

Select "yes" or "no" for each statement below. Answer "yes" if the statement accurately describes your project.

Yes	No	Statement
✓		This project disturbs less than 1 acre and is not part of a larger common plan of development.
1		This project converts less than 3/4 acre to lawn or landscape areas.
✓		This project will create, add, or replace (in any combination) 2,000 square feet or greater, but less than 5,000 square feet, of new plus replaced hard surface <b>OR</b> will have a land disturbing activity of 7,000 square feet or greater <b>OR</b> will result in a net increase of impervious surface of 500 square feet or greater.
1		This project will not adversely impact a wetland, stream, water of the state, or change a natural drainage course.

#### **Basic Project Information**

Project Name: Levella Residence	
Site Address: 2412 60th AVE SE	
Total Lot Size: 6,751 sf	
Total Proposed Area to be Disturbed (including stockpile area):6,938	sq ft
Total Volume of Proposed Cut and Fill: 125 cy	sq ft
Total Proposed New Hard Surface Area:	sq ft
Total Proposed Replaced Hard Surface Area: 2,569	sq ft
Total Proposed Converted Pervious Surface Area 4,122 (Native vegetation to lawn or landscape):	sq ft
Net Increase in Impervious Surface:	sq ft

#### Minimum Requirement #1: Preparation of Stormwater Site Plan

The project consists of removing an existing 1,751 sf home, 172 sf shed, and 627 sf driveway for total of 2,550 sf of existing impervious and replacing it with a new 2,455 sf single family residence and garage, 114 sf on-site path, 130 sf off-site path, 204 sf on-site driveway, and 432 sf off-site driveway. 220 sf of off-site sidewalk will be replaced for the new driveway entrance.	

#### Calculate new or replaced areas by surface type:

Lawn or Landscape Areas: 4,165 sq ft	Roof Area: 2,455	_ sq ft
Other Hard Surface Areas:  Driveway: 636	sqft Sidewalk: 220sqft	

Attach Drainage Plan

#### Drainage Plan shall include the following:

- Scaled drawing with slopes, lot lines, any public-right-of-way and any easements, location of each on-site stormwater management BMP selected above and the areas served by them, buildings, roads, parking lots, driveways, landscape features, and areas of disturbed soils to be amended.
- The scaled drawing must be suitable to serve as a recordable document that will be attached to the property deed for each lot that includes on-site BMPs. Document submittal must follow the "Standard Formatting Requirements for Recording Documents" per King County: <a href="https://www.kingcounty.gov/depts/records-licensing/recorders-office/recording-documents.aspx">www.kingcounty.gov/depts/records-licensing/recorders-office/recording-documents.aspx</a>
- Identify design details and maintenance instructions for each on-site BMP, and attach them to this Small Project Stormwater Site Plan/Report.

Minimum Requirement #2 : Construction Stormwater Pollution Prevention	n# H
Complete Section B of this submittal package: Construction Stormwater Pollution Prevention Plan Narrative	(SWPPP
Attach construction SWPPP	
Minimum Requirement #3 : Source Control of Pollution	
This section contains practices and procedures to reduce the release of pollutants. Provide a description of all kno available and reasonable source control BMPs that will be, or are anticipated to be, used at this location to prevent stormwater from coming into contact with pollutants. Additional BMPs are found in Volume IV of the 2014 Stormwater Manual for Western Washington (SWMMWW).	t
Check the BMPs you will use:	
BMP S411 for Landscaping and Lawn/ Vegetation Management Operational practices for sites with landscaping	
BMP S421 for Parking and Storage of Vehicles.  Public and commercial parking lots can be sources of suspended solids, metals, or toxic hydrocarbor such oils and greases.	ıs
BMP S433 for Pools, Spas, Hot Tubs, Fountains  Discharge from pools, hot tubs, and fountains can degrade ambient water quality. Routine maintena activities generate a variety of wastes. Direct disposal of these waters to drainage system and water the state are not permitted without prior treatment and approval.	
Other BMPs found in Volume IV of SWMMWW applicable to project:	
No source control is proposed. The project proposes 661 sf of pollution generating impervious surface.	

No source control BMPs are applicable for this project.

#### **Minimum Requirement #4: Preservation of Natural Drainage Systems**

Natural drainage patterns shall be maintained and discharges from the project site shall occur at the natural location, to the maximum extent practicable. All outfalls require energy dissipation.

Choos	e the option below that best describes your project:			
	This site has existing drainage systems or outfalls. These items are shown on the Drainage Plan. Include the following items on the Drainage Plan:			
	<ul> <li>Pipe invert elevations, slopes, cover, and material</li> <li>Locations, grades, and direction of flow in ditches and swales, culverts, and pipes</li> </ul>			
Descri	be how these systems will be preserved:			
$\checkmark$	This site does not have any existing drainage systems or outfalls.			
Additio	onal Comments:			

#### **Minimum Requirement #5: On-site Stormwater Management**

All projects meeting the thresholds for this Small Project Stormwater Report shall employ on-site stormwater management BMPs (See Small Project Stormwater Requirements Tip Sheet) to infiltrate, disperse, and retain stormwater runoff on-site to the extent feasible without causing flooding or erosion impacts.

#### List #1

For each category select the <u>first</u> feasible item on the list below. Document your justification for each infeasible BMP in Section C of this submittal package.

Check one option for each category below:

	Lawn and Landscape Areas					
		My project does not have Lawn or Landscape are	eas			
	$\checkmark$	Post-construction soil quality and depth				
		Post-construction soil quality and depth is infeasi	ble (see Section C of this submittal package)			
	Roo	ofs				
10 (10 10)		My project does not have <i>Roof</i> areas				
		1. Full dispersion or downspout full infiltration				
		2. Rain garden or bioretention				
		3. Downspout dispersion system	Measured Infiltration Rate: in/ hr			
		4. Perforated stub-out connections				
		•	site detention authorized by the City Engineer Irainage from the site will be discharged to a storm course or there is a capacity constraint in the system)			
	$\checkmark$	6. No Roof BMP (applicable if options #1-4 are in	nfeasible and on-site detention is not required)			
If #5 or #6 submittal <sub>I</sub>	is selec package	cted, briefly describe why no Roof BMP is feasible (	include detailed information in Section C of this			
Dispersi	on is i	nfeasible due to insufficient flowpath.				
Infiltratio map.	n is in	feasible due to being in an infiltration restri	cted area according to the LID infiltration			
Detentio	n isn't	necessary due to the site discharge being	less than 1/4 of a mile to the outfall to Lake			

Washington and the storm system only consisting of man-made pipes.

#### Minimum Requirement #5: On-site Stormwater Management (cont.)

IAHUHU	um Ke	equirement #5 : On-site Stormwater Manager	nent (cont.)	
	Oth	ner Hard Surfaces (such as driveway, sidewalk,	parking lot, patio, etc.)	
5		My project does not have Other Hard Surface areas		
		1. Full dispersion	Measured Infiltration Rate: N/A • in/ hr	
	70	2. Permeable pavement, rain gardens, or bioretention		
		3. Sheet flow dispersion or concentrated flow dispersion		
		4. On-site detention system or fee-in-lieu of on-site deten (applicable if options #1-3 are infeasible and drainage for surface water system that includes a watercourse or	rom the site will be discharged to a storm	
	$\checkmark$	5. No Other Hard Surface BMP (applicable if options #1-3 required)	are infeasible and on-site detention is not	
		ted, briefly describe why no Other Hard Surface BMP is feaubmittal package):	sible (include detailed information in	
New on and off-site path as well as on and offsite driveway will not be treated due to infiltration being infeasible and there being an inadequate flowpath to disperse.				
Flow Co	ontro	Exempt List		
		list if your project discharges directly to Lake Washington of downstream system is free of capacity constraints for a min		
evaluated i	in prior	xempt discharges, the BMPs listed below for Roofs and Oth ity order. You can select any BMP from the lists provided be tion C of this submittal package.		
Check <u>one</u>	option	for <u>each category</u> below:		
<b>《</b> 繼	Law	vn and Landscape Areas		
		My project does not have Lawn or Landscape areas		
	5.6	Post-construction soil quality and depth		

### Minimum Requirement #5 : On-site Stormwater Management (cont.)

	Ro	ofs
-13		My project does not have <i>Roof</i> areas
		Downspout full infiltration
		Downspout dispersion system
		Perforated stub-out connections
		Each item above is infeasible
If "Each ite	m abo	ve is infeasible" is selected, briefly describe why no Roof BMP is feasible:
	1722-0-	
4 4	Oth	ner Hard Surfaces (such as driveway, sidewalk, parking lot, patio, etc.)
		My project does not have Other Hard Surface areas
		Sheet flow dispersion
	37	Concentrated flow dispersion
		Each item above is infeasible
If "Each ite	m abo	ve is infeasible" is selected, briefly describe why no Other Hard Surface BMP is feasible:

#### Instructions

This is a template for a simplified Construction Stormwater Pollution Prevention Plan ("Construction SWPPP"). If "No" is the answer to one or more of the statements on the first page of Section A of this submittal package, then a full Construction SWPPP is required and the project does not quality for the use of the Small Project Construction SWPPP Narrative template. If the project is less than the thresholds on the first page of Section A of this submittal package, then Minimum Requirement #2 still applies, but this section (Section B) or a full construction SWPPP is not required. You should include your Construction SWPPP in your contract with your builder. A copy of the Construction SWPPP must be located at the construction site or within reasonable access to the site for construction and inspection personnel at all times.

#### **General Information on the Existing Site and Project**

Describe the following in the Project Narrative box below (attach additional pages if necessary):

- Nature and purpose of the construction project
- Existing topography, vegetation, and drainage, and building structures
- Adjacent areas, including streams, lakes, wetlands, residential areas, and roads that might be affected by the construction project
- How upstream drainage areas may affect the site
- Downstream drainage leading from the site to the receiving body of water
- Areas on or adjacent to the site that are classified as critical areas
- Critical areas that receive runoff from the site up to one-quarter mile away
- Special requirements and provisions for working near or within critical areas
- Areas on the site that have potential erosion problems

#### **Project Narrative:**

This project is removing the existing residence, shed, and driveway. We will then be replacing it with a new house driveway and path to the street. The site slopes to the west and is currently vegetated with trees, shrubs and grass. The new impervious ties in to the same stormwater system as the old structures and will not affect the surrounding areas. Upstream area is just from the neighboring residential site to the east and will not affect the site. Downstream consists the runoff sheet flowing northwest from the site and entering into the city system which takes the runoff in a series of concrete and metal pipes and catchbasins north along 606th Ave SE and then west after the system crosses beneath I-90 west until it eventually outfalls into Lake Washington. No critical areas found that receive runoff from the site up to 1/4 of a mile away. No potential erosion problems expected on the site based on King County Imaps.

### **Construction SWPPP Drawings**

Refer to the general Drawing Requirements in Stormwater Management Manual for Western Washington (SWMMWW) Volume I, Chapter 3.

Vi	cinity Map		
Prov	vide a map with enough detail to identify the location of	f the co	onstruction site, adjacent roads, and receiving waters.
Sit	те Мар	fia)	
Inclu	ude the following (where applicable):		
<b>√</b>	Legal description of the property boundaries or an illustration of property lines (including distances) on the drawings.	<b>√</b>	Final and interim grade contours as appropriate, drainage basins, and the direction of stormwater flow during and upon completion of construction.
	North arrow.	<b>√</b>	Areas of soil disturbance, including all areas affected by clearing, grading, and excavation.
	Existing structures and roads.  Boundaries and identification of different soil types.	$\checkmark$	Locations where stormwater will discharge to surface waters during and upon completion of construction.
4	Areas of potential erosion problems.	0	Existing unique or valuable vegetation and vegetation to be preserved.
	Any on-site and adjacent surface waters, critical areas, buffers, flood plain boundaries, and Shoreline Management boundaries.		Cut-and-fill slopes indicating top and bottom of slope catch lines.
1	Existing contours and drainage basins and the direction of flow for the different drainage areas.	$\checkmark$	Total cut-and-fill quantities and the method of disposal for excess material.
<b>√</b>	Where feasible, contours extend a minimum of 25 feet beyond property lines and extend sufficiently to depict existing conditions.	$\checkmark$	Stockpile; waste storage; and vehicle storage, maintenance, and washdown areas.
Te	mporary and Permanent BMPs		
Inclu	ide the following on site map (where applicable):		
	Locations for temporary and permanent swales, interceptor trenches, or ditches.	8.	Details for bypassing off-site runoff around disturbed areas.
- 1	Drainage pipes, ditches, or cut-off trenches associated with erosion and sediment control and stormwater management.	$\checkmark$	Locations of temporary and permanent stormwater treatment and/or flow control best management practices (BMPs).
	Temporary and permanent pipe inverts and minimum slopes and cover.	<b>√</b>	Details for all structural and nonstructural erosion and sediment control (ESC) BMPs (including, but not limited to, silt fences, construction entrances, sedimentation facilities,
	Grades, dimensions, and direction of flow in all ditches and swales, culverts, and pipes.		etc.)  Details for any construction-phase BMPs or techniques used for Low Impact Development (LID) BMP protection.
	Locations and outlets of any dewatering systems.		

## **Element 1: Preserve Vegetation / Mark Clearing Limits**

The	goal of this element is to preserve native vegetation and to clearly show the limits of disturbance.
This e	element <u>does not</u> apply to my project because:
	The site was cleared as part of clearing activity that is subject to an enforcement action and is re-vegetated. Restoration may be necessary to comply with Critical Area Regulations or NPDES requirements. Buffer Zones-BMP C102 may apply if Critical Areas exist on-site and buffer zones shall be protected.
	Other Reason / Additional Comments:
If it d	oes apply, describe the steps you will take and select the best management practices (BMPs) you will use:  The perimeter of the area to be cleared shall be marked prior to clearing operation with visible flagging, orange plastic barrier fencing and/or orange silt fencing as shown on the SWPPP site map. The total disturbed area shall
	be less than 7,000 square feet. Vehicles will only be allowed in the areas to be graded, so no compaction of the undeveloped areas will occur.
Add	itional Comments:
Check	the BMPs you will use:
$\checkmark$	C101 Preserving Natural Vegetation C102 Buffer Zones C103 High Visibility Fence

#### **Element 2: Construction Access**

The goal of this element is to provide a stabilized construction entrance/exit to prevent or reduce or sediment track out.

LI GOIL C	
This ele	ement does not apply to my project because:
$\checkmark$	The driveway to the construction area already exists and will be used for construction access. All equipment and vehicles will be restricted to staying on that existing impervious surface.
	Other Reason / Additional Comments:
Exis	sting driveway to be removed will be used as the construction access and staging area.
f it doe	es apply, describe the steps you will take and select the BMPs you will use:  A stabilized construction entrance will be installed prior to any vehicles entering the site, at the location shown
<i>(</i> 3)	on the SWPPP site map.
Additi	ional Comments:
heck t	the BMPs you will use:
	C105 Stabilized Construction C106 Wheel Wash C107 Construction Road / Parking Area Stabilization

#### **Element 3: Control Flow Rates**

The goal of this element is to construct retention or detention facilities when necessary to protect propertie
and waterways downstream of development sites from erosion and turbid discharges.

This ele	ment <u>does not</u> apply to my project because:
	Other Reason / Additional Comments:
If it <mark>doe</mark>	s apply, describe the steps you will take and select the BMPs you will use:
$\checkmark$	Flow rates will be controlled by using SWPPP Element 4 sediment controls and BMP T5.13 Post-Construction Soil Quality and Depth if necessary.
Additi	onal Comments:

#### **Element 4: Sediment Control**

Element 4: Sediment Control	
The goal of this element is to construct sediment control BMPs that minimize sediment discharges from the site.	
This element does not apply to my project because:	
The site has already been stabilized and re-vegetated.	
Other Reason / Additional Comments:	
If it does apply, describe the steps you will take and select the BMPs you will use:	
Sediment control BMPs shall be placed at the locations shown on the SWPPP site map	
Additional Comments:	
Check the BMPs you will use:	
C231 Brush Barrier C233 Silt Fence C235 Wattles	
C232 Gravel Filter Berm C234 Vegetated Strip	

Elen	nent 5: Stabilize	Soils					
The g	oal of this element	is to stabili	ze exposed and	unworked soils by i	mplementing erosion	control BMPs.	
This el	lement <mark>does not</mark> app	oly to my pro	iect because:				
	Other Reason / Add	ditional Com	ments:				
If it <mark>do</mark>	<b>es</b> apply, describe th	ne steps you	will take and sele	ct the BMPs you will u	ise:		
<b>√</b>	within the disturbe against the foundat for more than 7 day disturbed landscape	d area showi tion and grad ys from May e areas are g	n on the SWPPP s led to drain away 1 to September 3 raded, the grass a	ite map. Soil excavate from the building. No 30 or more than 2 days areas will be amended	abilized. Soil stockpiles we'd for the foundation will be soils shall remain expos s from October 1 to Apri d using BMP T5.13 Post-C	be backfilled ed and unworke 30. Once the	
	Quality and Depth.	Ан ѕтоскрие:	s will be covered	with plastic or burlap	if left unworked.		
Addit	tional Comments:						
Check	k the BMPs you will u	ıse:					
	C120 Temporary & Permanent Seeding	C122	Nets & Blankets	C124 Sodding	C131 Gradient Terraces	C235 Wa	attles
	C121 Mulching	C123	Plastic Covering	C125 Topsoil / Composting	C140 Dust Cont	rol	

### **Element 6: Protect Slopes**

The go	The goal of this element is to design and construct cut-and-fill slopes in a manner to minimize erosion.				
This el	ement <mark>does not</mark> apply to my proje	ct beca	use:		
$\checkmark$	No cut slopes over 4 feet high or slopes steeper than 2 feet horizontal to 1 foot vertical, and no fill slopes over 4 feet high will exceed 3 feet horizontal to 1 foot vertical. Therefore, there is no requirement for additional engineered slope protection.				
	Other Reason / Additional Com	ments:			
	and any his described the atoms server	:!! +!	and adapt the DAAD	:11	
	oes apply, describe the steps you vi ional Comments:	vIII take	e ana select the BIVIPS you w	viii use:	
Check	Check the BMPs you will use:				
$\checkmark$	C120 Temporary & Permanent Seeding		C205 Subsurface Drains	T	C207 Check Dams
	C204 Pipe Slope Drains		C206 Level Spreader		C208 Triangular Silt Dike

#### **Element 7: Protect Permanent Drain Inlets**

The goal of this element is to protect storm drain inlets during construction to prevent stormwater runoff from entering the conveyance system without being filtered or treated.
This element does not apply to my project because:
The site has open ditches in the right-of-way or private road right-of-way.
There are no catch basins on or near the site.
Other Reason / Additional Comments:
If it does apply, describe the steps you will take and select the BMPs you will use:  Catch basins on the site or immediately off site in the right-of-way are shown on the SWPPP site map. Storm drain inlet protection shall be installed.
Additional Comments:
Check the BMPs you will use:

C220 Storm Drain Inlet Protection

#### **Element 8: Stabilize Channels and Outlets**

The goal of this element is to design, construct, and stabilize on-site conveyance channels to prevent erosion from entering existing stormwater outfalls and conveyance systems.

This element does not apply to my project because: Construction will occur during the dry weather. No storm drainage channels or ditches shall be constructed either temporary or permanent. A small swale shall be graded to convey yard drainage around the structure using a shallow slope; it shall be seeded after grading and stabilized. Other Reason / Additional Comments: If it does apply, describe the steps you will take and select the BMPs you will use: A wattle shall be placed at the end of the swale to prevent erosion at the outlet of the swale. Additional Comments: Check the BMPs you will use: C202 Channel Lining C207 Check Dams **C209 Outlet Protection** C235 Wattles

#### **Element 9: Control Pollutants**

The goal of this element is to design, install, implement and maintain BMPs to minimize the discharge of	
pollutants from material storage areas, fuel handling, equipment cleaning, management of waste materials,	etc.

1	<b>3</b> , 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
This e	lement does not apply to my project because:
	Other Reason / Additional Comments:
If it g	loes apply, describe the steps you will take and select the BMPs you will use:
<b>√</b>	Any and all pollutants, chemicals, liquid products and other materials that have the potential to pose a threat to human health or the environment will be covered, contained, and protected from vandalism. All such products shall be kept under cover in a secure location on-site. Concrete handling shall follow BMP C151.
Addi	tional Comments:
Chec	k the BMPs you will use:
$\checkmark$	C151 Concrete Handling C152 Sawcutting and Surfacing Pollution Prevention
13	C153 Material Delivery, Storage, and Containment C154 Concrete Washout Area

Element 10: Control De-watering	
The goal of this element is to handle turbid or contaminated dewatering water senarately from stor	mwater

The goal of this element is to handle turbid or contaminated dewatering water separately from stormwater.
This element <u>does not</u> apply to my project because:
No dewatering of the site is anticipated.
Other Reason / Additional Comments:
If it <u>does</u> apply, describe the steps you will take and select the BMPs you will use:
If it <u>does</u> apply, describe the steps you will take and select the BMPs you will use:  Additional Comments:

#### **Element 11: Maintain Best Management Practices**

The goal of this element is to maintain and repair all temporary and permanent erosion and sediment control BMPs to assure continued performance.

BMPs	to assure continued performance.
Desci	ribe the steps you will take:
<b>V</b>	Best Management Practices or BMPs shall be inspected and maintained during construction and removed within 30 days after the City Inspector or Engineer determines that the site is stabilized, provided that they may be removed when they are no longer needed.
Elen	nent 12: Manage the Project
_	oal of this element is to ensure that the construction SWPPP is properly coordinated and that all BMPs eployed at the proper time to achieve full compliance with City regulations throughout the project.
If it do	es apply, describe the steps you will take and select the BMPs you will use:
	Construction SWPPP will be implemented at all times. The applicable erosion control BMPs will be implemented in ollowing sequence:
$\checkmark$	1. Mark clearing limits
$\checkmark$	2. Install stabilized construction entrance
$\checkmark$	3. Install protection for existing drainage systems and permanent drain inlets
$\checkmark$	4. Establish staging areas for storage and handling polluted material and BMPs
$\checkmark$	5. Install sediment control BMPs
<b>√</b>	6. Grade and install stabilization measures for disturbed areas
$\checkmark$	7. Maintain BMPs until site stabilization, at which time they may be removed
Addit	tional Comments:

#### **Element 13: Protect Low Impact Development BMPs**

The goal of this element is to protect on-site stormwater management BMPs (also known as "Low Impact Development BMPs") from siltation and compaction during construction. On-site stormwater management BMPs used for runoff from roofs and other hard surfaces include: full dispersion, roof downspout full infiltration or dispersion systems, perforated stubout connections, rain gardens, bioretention systems, permeable pavement, sheetflow dispersion, and concentrated flow dispersion. Methods for protecting on-site stormwater management BMPs include sequencing the construction to install these BMPs at the latter part of the construction grading operations, excluding equipment from the BMPs and the associated areas, and using the erosion and sedimentation control BMPs listed below.

Describe the construction sequencing you will use:			
Additional Comments:			
Select the BMPs you will us	se:		
C102 Buffer Zone	C103 High Visibility Fence	C231 Brush Barrier	
C233 Silt Fence	C234 Vegetated Strip		

#### **Minimum Requirement #5 (On-Site Stormwater Management)**

The following tables summarize infeasibility criteria that can be used to justify not using various on-site stormwater management best management practices (BMPs) for consideration for Minimum Requirement #5. This information is also included under the detailed descriptions of each BMP in the 2014 Stormwater Management Manual for Western Washington (Stormwater Manual), but is provided here in this worksheet for additional clarity and efficiency. Where any inconsistencies or lack of clarity exists, the requirements in the main text of the Stormwater Manual shall be applied. If a project is limited by one or more of the infeasibility criteria specified below, but an applicant is interested in implementing a specific BMP, a functionally equivalent design may be submitted to the City for review and approval. Evaluate the feasibility of the BMPs in priority order based on List #1 or #2 (Small Project Stormwater Requirements Tip Sheet and Stormwater Manual). Select the first BMP that is considered feasible for each surface type. Document the infeasibility (narrative description and rationale) for each BMP that was not selected. Only one infeasibility criterion needs to be selected for a BMP before evaluating the next BMP on the list. Attach additional pages for supporting information if necessary.

Note: If your project discharges directly to Lake Washington (flow control exempt) or a downstream analysis confirms that the downstream system is free of capacity constraints for a minimum of ¼ mile and a maximum of 1 mile, then you do not need to complete this worksheet, but should still refer to the infeasibility criteria when selecting BMPs.

Lawn and Landscaped Areas		
BMP and Applicable Lists	Infeasibility Criteria	Infeasibility Description and Rationale for Each BMP Not Selected
Post-construction Soil Quality and Depth List #1 and #2	Siting and design criteria provided in BMP T5.13 (Stormwater Manual Volume V, Section 5.3) cannot be achieved.  Lawn and landscape area is on till slopes greater than 33 percent.	
	Roofs	
BMP and Applicable Lists	Infeasibility Criteria	Infeasibility Description and Rationale for Each BMP Not Selected
	Site setbacks and design criteria provided in BMP T5.30 (Stormwater Manual Volume V, Section 5.3) cannot be achieved.	Insufficient flowpath
Full Dispersion	A 65 to 10 ratio of forested or native vegetation area to impervious area cannot be achieved.	
List #1 and #2	A minimum forested or native vegetation flowpath length of 100 feet (25 feet for sheet flow from a non-native pervious surface) cannot be achieved.	
Downspout Full	Evaluation of infiltration is not required per the Infiltration Infeasibility Map due to steep slopes, erosion hazards, or landslide hazards.	No infiltration allowed per Infiltration Infeasibility Map
Infiltration List #1 and #2	Site setbacks and design criteria provided in BMP T5.10A (Stormwater Manual Volume III, Section 3.1.1) cannot be achieved.	
	The lot(s) or site does not have out-wash or loam soils.	
	There is not at least 3 feet or more of permeable soil from the proposed final grade to the seasonal high groundwater table or other impermeable layer.	
	There is not at least 1 foot or more of permeable soil from the proposed bottom of the infiltration system to the seasonal high groundwater table or other impermeable layer.	

	Roofs (cont.)	
BMP and Applicable Lists	Infeasibility Criteria	Infeasibility Description and Rationale for Each BMP Not Selected
	Note: Criteria with setback distances are as measured from the bottom edge of the bioretention soil mix.	
	Citation of any of the following infeasibility criteria must be based on an evaluation of site-specific conditions and a written recommendation from an appropriate licensed professional (e.g., engineer, geologist, hydrogeologist):	
	Where professional geotechnical evaluation recommends infiltration not be used due to reasonable concerns about erosion, slope failure, or down-gradient flooding.	
	Within an area whose ground water drains into an erosion hazard, or landslide hazard area.	
Bioretention or Rain Gardens	Where the only area available for siting would threaten the safety or reliability of pre-existing underground utilities, pre-existing underground storage tanks, pre-existing structures, or pre-existing road or parking lot surfaces.	
List #1 (both) and List #2 (bioretention only)	Where the only area available for siting does not allow for a safe overflow pathway to stormwater drainage system or private storm sewer system.	
	Where there is a lack of usable space for bioretention areas at redevelopment sites, or where there is insufficient space within the existing public right-of-way on public road projects.	
	Where infiltrating water would threaten existing below grade basements.	
	Where infiltrating water would threaten shoreline structures such as bulkheads.	
	The following criteria can be cited as reasons for infeasibility without further justification (though some require professional services to make the observation):	
	Evaluation of infiltration is not required per the Infiltration Infeasibility Map due to steep slopes, erosion hazards, or landslide hazards	
	Within setback provided for BMP T7.30 (Stormwater Manual Volume V, Section 7.4)	
	Where they are not compatible with surrounding drainage system as determined by the city (e.g., project drains to an existing stormwater collection system whose elevation or location precludes connection to a properly functioning bioretention area).	

	Roofs (cont.)	
BMP and Applicable Lists	Infeasibility Criteria	Infeasibility Description and Rationale for Each BMP Not Selected
Bioretention or Rain Gardens (cont.)	The following criteria can be cited as reasons for infeasibility without further justification (though some require professional services to make the observation):  Where land for bioretention is within an erosion hazard, or landslide hazard area (as defined by MICC 19.07.060).  Where the site cannot be reasonably designed to locate bioretention areas on slopes less than 8 percent.  Within 50 feet from the top of slopes that are greater than 20 percent and over 10 feet of vertical relief.  For properties with known soil or groundwater contamination (typically federal Superfund sites or state cleanup sites under the Model Toxics Control Act [MTCA]):  Within 100 feet of an area known to have deep soil contamination.  Where groundwater modeling indicates infiltration will likely increase or change the direction of the migration of pollutants in the groundwater.  Wherever surface soils have been found to be contaminated unless those soils are removed within 10 horizontal feet from the infiltration area.  Any area where these facilities are prohibited by an approved cleanup plan under the state MTCA or Federal Superfund Law, or an environmental covenant under Chapter 64.70 RCW.  Within 100 feet of a closed or active landfill.  Within 10 feet of an underground storage tank and connecting underground pipes when the capacity of the tank and pipe system is 1,100 gallons or less. As used in these criteria, an underground storage tank means any tank used to store petroleum products, chemicals, or liquid hazardous wastes of which 10 percent or more of the storage volume (including volume in the connecting piping system) is beneath the ground surface.  Within 100 feet of an underground storage tank and connecting underground pipes when the capacity of the tank and pipe system is greater than 1,100 gallons.	

Applicable Lists  The following criteria can be cited as reasons for infeasibility without further justification (though some require professional services to make the observation):  Where field testing indicates potential bioretention/rain garden sites have a measured (a.k.a., initial) native soil saturated hydraulic conductivity loss than 0.30 inches par hour. A small scale or love.	
further justification (though some require professional services to make the observation):  Where field testing indicates potential bioretention/rain garden sites have a measured (a.k.a., initial) native soil saturated hydraulic	
conductivity less than 0.30 inches per hour. A small-scale or large-scale PIT in accordance with Stormwater Manual Volume III, Section 3.3.6 (or an alternative small scale test specified by the City) shall be used to demonstrate infeasibility of bioretention areas. If the measured native soil infiltration rate is less than 0.30 in/hour, bioretention/rain garden BMPs are not required to be evaluated as an option in List #1 or List #2. In these slow draining soils, a bioretention area with an underdrain may be used to treat pollution-generating surfaces to help meet Minimum Requirement #6, Runoff Treatment. If the underdrain is elevated within a base course of gravel, it will also provide some modest flow reduction benefit that will help achieve Minimum Requirement #7.  Where the minimum vertical separation of 3 feet to the seasonal high groundwater elevation or other impermeable layer would not be achieved below bioretention that would serve a drainage area that exceeds the following thresholds (and cannot reasonably be broken down into amounts smaller than indicated):  o 5,000 square feet of pollution-generating impervious surface (PGIS)  o 10,000 square feet of impervious area  o 0.75 acres of lawn and landscape.  Where the minimum vertical separation of 1 foot to the seasonal high groundwater or other impermeable layer would not be achieved below bioretention that would serve a drainage area less than the above thresholds.  Within 100 feet of a drinking water well, or a spring used for drinking water supply.  Within 10 feet of small on-site sewage disposal drainfield, including reserve areas, and grey water reuse systems. For setbacks from a "large on-site sewage disposal system," see Chapter 246-272B WAC.	Rain Gardens

	Roofs (cont.)	
BMP and Applicable Lists	Infeasibility Criteria	Infeasibility Description and Rationale for Each BMP Not Selected
Danisana	Site setbacks and design criteria provided in BMP T5.10B (Stormwater Manual Volume III, Section 3.1.2) cannot be achieved.	Insufficient flowpath
Downspout Dispersion Systems List #1 and #2	For splash blocks, a vegetated flowpath at least 50 feet in length from the downspout to the downstream property line, structure, stream, wetland, slope over 15 percent, or other impervious surface is not feasible.	
	For trenches, a vegetated flowpath of at least 25 feet in between the outlet of the trench and any property line, structure, stream, wetland, or impervious surface is not feasible. A vegetated flowpath of at least 50 feet between the outlet of the trench and any slope steeper than 15 percent is not feasible.	
	Evaluation of infiltration is not required per the Infiltration Infeasibility Map due to steep slopes, erosion hazards, or landslide hazards	
Perforated Stub-Out Connections List #1 and #2	For sites with septic systems, the only location available for the perforated portion of the pipe is located up-gradient of the drainfield primary and reserve areas. This requirement can be waived if site topography will clearly prohibit flows from intersecting the drainfield or where site conditions (soil permeability, distance between systems, etc.) indicate that this is unnecessary.	
	Site setbacks and design criteria provided in BMP T5.10C (Stormwater Manual Volume III, Section 3.1.3) cannot be achieved.	
	There is not at least 1 foot of permeable soil from the proposed bottom (final grade) of the perforated stub-out connection trench to the highest estimated groundwater table or other impermeable layer.	
	The only location available for the perforated stub-out connection is under impervious or heavily compacted soils.	
On-site Detention List #1 and #2	Project discharges directly to Lake Washington.  Findings from a 1/4 mile downstream analysis confirm that the downstream system is free of capacity constraints.  Site setbacks and design criteria provided in the Stormwater Manual (Volume III, Section 3.2.2) cannot be achieved.	

	Other Hard Surfaces		
BMP and Applicable Lists	Infeasibility Criteria	Infeasibility Description and Rationale for Each BMP Not Selected	
Full Dispersion List #1 and #2	Site setbacks and design criteria provided in BMP T5.30 (Stormwater Manual Volume V, Section 5.3) cannot be achieved.  A 65 to 10 ratio of forested or native vegetation area to impervious area cannot be achieved.  A minimum forested or native vegetation flowpath length of 100 feet (25 feet for sheet flow from a non-native pervious surface) cannot be achieved.		
Permeable Pavement List #1 and #2	Citation of any of the following infeasibility criteria must be based on an evaluation of site-specific conditions and a written recommendation from an appropriate licensed professional (e.g., engineer, geologist, hydrogeologist):  Where professional geotechnical evaluation recommends infiltration not be used due to reasonable concerns about erosion, slope failure, or downgradient flooding.  Within an area whose ground water drains into an erosion hazard, or landslide hazard area.  Where infiltrating and ponded water below the new permeable pavement area would compromise adjacent impervious pavements.  Where infiltrating water below a new permeable pavement area would threaten existing below grade basements.  Where infiltrating water would threaten shoreline structures such as bulkheads.  Down slope of steep, erosion prone areas that are likely to deliver sediment.  Where fill soils are used that can become unstable when saturated.  Excessively steep slopes where water within the aggregate base layer or at the subgrade surface cannot be controlled by detention structures and may cause erosion and structural failure, or where surface runoff velocities may preclude adequate infiltration at the pavement surface.  Where permeable pavements cannot provide sufficient strength to support heavy loads at industrial facilities such as ports.  Where installation of permeable pavement would threaten the safety or reliability of pre-existing underground utilities, pre-existing underground storage tanks, or pre-existing road subgrades.		

	Other Hard Surfaces (cont.)		
BMP and Applicable Lists	Infeasibility Criteria	Infeasibility Description and Rationale for Each BMP Not Selected	
Permeable Pavement (cont.)	The following criteria can be cited as reasons for infeasibility without further justification (though some require professional services to make the observation):  Evaluation of infiltration is not required per the Infiltration Infeasibility Map due to steep slopes, erosion hazards, or landslide hazards  Within an area designated as an erosion hazard, or landslide hazard.  Within 50 feet from the top of slopes that are greater than 20 percent.  For properties with known soil or groundwater contamination (typically federal Superfund sites or state cleanup sites under MTCA):  Within 100 feet of an area known to have deep soil contamination.  Where groundwater modeling indicates infiltration will likely increase or change the direction of the migration of pollutants in the groundwater.  Wherever surface soils have been found to be contaminated unless those soils are removed within 10 horizontal feet from the infiltration area.  Any area where these facilities are prohibited by an approved cleanup plan under the state MTCA or Federal Superfund Law, or an environmental covenant under Chapter 64.70 RCW.  Within 100 feet of a closed or active landfill.  Within 100 feet of a drinking water well, or a spring used for drinking water supply, if the pavement is a pollution-generating surface.  Within 10 feet of a small on-site sewage disposal drainfield, including reserve areas, and grey water reuse systems. For setbacks from a "large on-site sewage disposal system," see Chapter 246-2728 WAC.  Within 10 feet of any underground storage tank and connecting underground pipes, regardless of tank size. As used in these criteria, an underground storage tank means any tank used to store petroleum products, chemicals, or liquid hazardous wastes of which 10 percent or more of the storage volume (including volume in the connecting piping system) is beneath the ground surface.  At multi-level parking garages, and over culverts and bridges.  Where the site design cannot avoid putting pavement in areas likely to have long-term excessi	Evaluation of infiltration is not required per the Infiltration Infeasibility Map due to steep slopes, erosion hazards, or landslide hazards	

BMP and Applicable Lists	Infeasibility Criteria	Infeasibility Description and Rationale for Each BMP Not Selected
Permeable Pavement (cont.)	The following criteria can be cited as reasons for infeasibility without further justification (though some require professional services to make the observation):  Where the site cannot reasonably be designed to have:  • Porous asphalt surface < 5% slope  • Pervious concrete surface < 10% slope  • Permeable interlocking concrete pavement surface < 12% slope  • Permeable interlocking concrete pavement surface < 12% slope  • Grid systems < 6-12% slope (check with manufacturer and local supplier to confirm maximum slope)  Where the subgrade soils below a pollution-generating permeable pavement (e.g., road or parking lot) do not meet the soil suitability criteria for providing treatment. See soil suitability criteria for treatment in the Stormwater Manual Volume III, Section 3.3.7. Note: In these instances, the city may approve installation of a 6 inch sand filter layer meeting city specifications for treatment as a condition of construction.  Where underlying soils are unsuitable for supporting traffic loads when saturated. Soils meeting a California Bearing Ratio of 5 percent are considered suitable for residential access roads.  Where replacing existing impervious surfaces unless the existing surface is a non-pollution generating surface over an outwash soil with a saturated hydraulic conductivity of 4 inches per hour or greater.  Where appropriate field testing indicates soils have a measured (a.k.a., initial) subgrade soil saturated hydraulic conductivity less than 0.3 inches per hour. Only small-scale PIT or large-scale PIT methods in accordance with Stormwater Manual Volume III, Section 3.3.6 (or an alternative small scale test specified by the City) shall be used to evaluate infeasibility of permeable pavement areas. (Note: In these instances, unless other infeasibility restrictions apply, roads and parking lots may be built with an underdrain, preferably elevated within the base course, if flow control benefits are desired.)  Roads that receive more than very low traffic volumes, and areas having more tha	BIMP NOT Selected

	Other Hard Surfaces (cont.)	
BMP and Applicable Lists	Infeasibility Criteria	Infeasibility Description and Rationale for Each BMP Not Selected
	The following criteria can be cited as reasons for infeasibility without further justification (though some require professional services to make the observation):	
Permeable Pavement	At sites defined as "high-use sites" (refer to the Glossary in the Stormwater Manual Volume I).	
(cont.)	In areas with "industrial activity" as identified in 40 CFR 122.26(b)(14).	
	Where the risk of concentrated pollutant spills is more likely such as gas stations, truck stops, and industrial chemical storage sites.	
	Where routine, heavy applications of sand occur in frequent snow zones to maintain traction during weeks of snow and ice accumulation.	
	Where the seasonal high groundwater or an underlying impermeable/ low permeable layer would create saturated conditions within 1 foot of the bottom of the lowest gravel base course.	
	Note: Criteria with setback distances are as measured from the bottom edge of the bioretention soil mix.	
	Citation of any of the following infeasibility criteria must be based on an evaluation of site-specific conditions and a written recommendation from an appropriate licensed professional (e.g., engineer, geologist, hydrogeologist):	
Bioretention or Rain Gardens	Where professional geotechnical evaluation recommends infiltration not be used due to reasonable concerns about erosion, slope failure, or down-gradient flooding.	
List #1 (both) and List #2 (bioretention	Within an area whose ground water drains into an erosion hazard, or landslide hazard area.	
` only)	Where the only area available for siting would threaten the safety or reliability of pre-existing underground utilities, pre-existing underground storage tanks, pre-existing structures, or pre-existing road or parking lot surfaces.	
	Where the only area available for siting does not allow for a safe overflow pathway to stormwater drainage system or private storm sewer system.	
	Where there is a lack of usable space for bioretention areas at redevelopment sites, or where there is insufficient space within the existing public right-of-way on public road projects.	
	Where infiltrating water would threaten existing below grade basements.	
	Where infiltrating water would threaten shoreline structures such as bulkheads.	

Other Hard Surfaces (cont.)		
BMP and Applicable Lists	Infeasibility Criteria	Infeasibility Description and Rationale for Each BMP Not Selected
Bioretention or Rain Gardens (cont.)	The following criteria can be cited as reasons for infeasibility without further justification (though some require professional services to make the observation):  Where evaluation of infiltration is not required per the Infiltration Infeasibility Map due to steep slopes, erosion hazards, or landslide hazards.  Within setback provided for BMP T7.30 (Stormwater Manual Volume V, Section 7.4)  Where they are not compatible with surrounding drainage system as determined by the city (e.g., project drains to an existing stormwater collection system whose elevation or location precludes connection to a properly functioning bioretention area).  Where land for bioretention is within an erosion hazard, or landslide hazard area (as defined by MICC 19.07.060).  Where the site cannot be reasonably designed to locate bioretention areas on slopes less than 8 percent.  Within 50 feet from the top of slopes that are greater than 20 percent and over 10 feet of vertical relief.  For properties with known soil or groundwater contamination (typically federal Superfund sites or state cleanup sites under the Model Toxics Control Act [MTCA]):  Within 100 feet of an area known to have deep soil contamination.  Where groundwater modeling indicates infiltration will likely increase or change the direction of the migration of pollutants in the groundwater.  Wherever surface soils have been found to be contaminated unless those soils are removed within 10 horizontal feet from the infiltration area.  Any area where these facilities are prohibited by an approved cleanup plan under the state MTCA or Federal Superfund Law, or an environmental covenant under Chapter 64.70 RCW.  Within 100 feet of a closed or active landfill.  Within 10 feet of an underground storage tank and connecting underground pipes when the capacity of the tank and pipe system is 1,100 gallons or less. As used in these criteria, an underground storage tank means any tank used to store petroleum products, chemicals, or liquid hazardous wastes of which 10 percent or more of	Evaluation of infiltration is not required per the Infiltration Infeasibility Map due to steep slopes, erosion hazards, or landslide hazards

BMP and Applicable Lists	Infeasibility Criteria	Infeasibility Description and Rationale for Each BMP Not Selected
	The following criteria can be cited as reasons for infeasibility without further justification (though some require professional services to make the observation):	
	Within 100 feet of an underground storage tank and connecting underground pipes when the capacity of the tank and pipe system is greater than 1,100 gallons.	
Bioretention or Rain Gardens (cont.)	Where field testing indicates potential bioretention/rain garden sites have a measured (a.k.a., initial) native soil saturated hydraulic conductivity less than 0.30 inches per hour. A small-scale or large-scale PIT in accordance with <b>Stormwater Manual</b> Volume III, Section 3.3.6 (or an alternative small scale test specified by the City) shall be used to demonstrate infeasibility of bioretention areas. If the measured native soil infiltration rate is less than 0.30 in/hour, bioretention/rain garden BMPs are not required to be evaluated as an option in List #1 or List #2. In these slow draining soils, a bioretention area with an underdrain may be used to treat pollution-generating surfaces to help meet Minimum Requirement #6, Runoff Treatment. If the underdrain is elevated within a base course of gravel, it will also provide some modest flow reduction benefit that will help achieve Minimum Requirement #7.	
	Where the minimum vertical separation of 3 feet to the seasonal high groundwater elevation or other impermeable layer would not be achieved below bioretention that would serve a drainage area that exceeds the following thresholds (and cannot reasonably be broken down into amounts smaller than indicated):	
	o 5,000 square feet of pollution-generating impervious surface (PGIS)	
	o 10,000 square feet of impervious area	
	o 0.75 acres of lawn and landscape.	
	Where the minimum vertical separation of 1 foot to the seasonal high groundwater or other impermeable layer would not be achieved below bioretention that would serve a drainage area less than the above thresholds	
	Within 100 feet of a drinking water well, or a spring used for drinking water supply.	
	Within 10 feet of small on-site sewage disposal drainfield, including reserve areas, and grey water reuse systems. For setbacks from a "large on-site sewage disposal system," see Chapter 246-272B WAC.	

	Other Hard Surfaces (cont.)				
BMP and Applicable Lists	Infeasibility Criteria	Infeasibility Description and Rationale for Each BMP Not Selected			
Sheet Flow Dispersion List #1 and #2	Site setbacks and design criteria provided in BMP T5.12 (Stormwater Manual Volume V, Section 5.3) cannot be achieved.  Positive drainage for sheet flow runoff cannot be achieved.  Area to be dispersed (e.g., driveway, patio) cannot be graded to have less than a 15 percent slope.  For flat to moderately sloped areas, at least a 10 foot-wide vegetation buffer for dispersion of the adjacent 20 feet of contributing surface cannot be achieved. For variably sloped areas, at least a 25 foot vegetated flowpath between berms cannot be achieved.	New path does not have the required flowpath and neither does the driveway.			
Concentrated Flow Dispersion List #1 and #2	Site setbacks and design criteria provided in BMP T5.11 (Stormwater Manual Volume V, Section 5.3) cannot be achieved.  A minimum 3 foot length of rock pad and 50 foot flowpath OR a dispersion trench and 25 foot flowpath for every 700 square feet of drainage area followed with applicable setbacks cannot be achieved.  More than 700 square feet drainage area drains to any dispersion device.				
On-site Detention List #1 and #2	Project discharges directly to Lake Washington.  Findings from a 1/4 mile downstream analysis confirm that the downstream system is free of capacity constraints.  Site setbacks and design criteria provided in the Stormwater Manual (Volume III, Section 3.2.2) cannot be achieved.				

Attachments Required (Check off required items that are attached)				
Site Plan showing, to scale:				
Areas of undisturbed native vegetation (no amendment required)				
New planting beds (amendment required)				
New turf areas (amendment required)				
Type of soil improvement proposed for each area				
Soil test results (required if proposing custom amendment rates)				
Product test results for proposed amendments				

### **Total Amendment / Topsoil / Mulch for All Areas**

Calculate the quantities needed for the entire site based on all of the areas identified on the Site Plan and the calculations on the following page(s):

Product	Total Quantity (CY)	Test Results
Top soil Product #1:	CY	% organic matterC:N ratio  "Stable"? yes no
Product #2:	CY	% organic matter C:N ratio "Stable"? yes no
Product #3:	CY	% organic matter C:N ratio  "Stable"? yes no

Ar	mendment / 1	Topsoil / Mulch by Area	
For e	ach identified are	a on your Site Plan, provide the following information:	(Use additional sheets if necessary
Area	# <sub>A</sub>	_ (should match identified Area # on Site Plan)	
Plant	ing type:	Turf Undisturbed native vegetation Planting Beds Other:	
Pre	e-Approved A	mendment Method	
	Amend with compost	Turf: SF x 5.4 CY ÷ 1,000 SF = CY  Planting beds: SF x 9.3 CY ÷ 1,000 SF = CY  Total Quantity = CY  Scarification depth: 8 inches	Product:
	Stockpile and amend	Turf: SF x 5.4 CY $\div$ 1,000 SF = CY  Planting beds: SF x 9.3 CY $\div$ 1,000 SF= CY  Total Quantity = CY  Scarification depth: 8 inches	Product:
<b>V</b>	Topsoil import	Turf: $4,122$ SF x 18.6 CY÷1,000 SF = $77$ ECY  Planting beds: SF x 18.6 CY ÷ 1,000 SF= CY  Total Quantity = $77$ CY  Scarification depth: 6 inches	Imported Topsoil Product:
Cus	stom Amendr	nent	
	Amend with compost	Attach information on bulk density, percent organic matter, moisture content, C:N ratio, and heavy metals analysis to support custom amendment rate and scarification depth.  Total Quantity =CY  Scarification depth:inches	Product:
	Stockpile and amend	Attach information on bulk density, percent organic matter, moisture content, C:N ratio, and heavy metals analysis to support custom amendment rate and scarification depth.  Total Quantity =CY  Scarification depth:inches	Product:
Mu	lch		URANIA SERVICE
	Amend with compost	Planting beds: SF x 12.4 CY ÷ 1,000 SF= CY Total Quantity = CY	Product:
	Stockpile and amend	Planting beds: SF x 12.4 CY ÷ 1,000 SF= CY Total Quantity = CY	Product:
M	Topsoil import	Planting beds: SF x 12.4 CY ÷ 1,000 SF= CY Total Quantity = CY	Product:

### **Project Engineer's Certification for Section B**

For Stormwater Site Plans with engineered elements, the Construction SWPPP is stamped by a professional engineer licensed in the State of Washington in civil engineering.

ncensed in the state of washington in civil engineering.					
If required, attach a page with the project engineer's seal with the following statement:					
Levella Residence "I hereby state that this Construction Stormwater Pollution Prevention Plan for					
has been prepared by me or under my supervision and meets the standard of care and expertise which is usual and					
customary in this community for professional engineers. I understand that the City of Mercer Island does not and will					
not assume liability for the sufficiency, suitability, or performance of Construction SWPPP BMPs prepared by me."					
Applicant Signature for Full Stormwater Package (Sections A through D)					
I have read and completed the Stormwater Submittal Package and know the information provided to be true and correct.					
Ron Frederiksen Print Applicant Name:					
Applicant Signature: Land Date					