



SMALL PROJECT Stormwater Site Plan Short Form

Permit Number: ST17-

Cowlitz County Department of Public Works / Stormwater Division

1600 13th Avenue South ♦ Kelso, WA 98626 ♦ 360.577.3030 / Fax 360.636.0845

This document is a template form designed to fulfill Cowlitz County Code 16.22, which requires projects meeting the criteria below to submit a stormwater site plan that complies with Minimum Requirements #1 through #5 from the Stormwater Management Manual for Western Washington.

PROJECTS THAT CAN USE THIS FORM MUST MEET ALL THE FOLLOWING CRITERIA:

- Disturbing less than 1 acre of land (not part of a larger common plan of development)
- Creating and replacing, *in total*, at least 2,000 square feet but less than 5,000 square feet of hard surfaces (rooftops, driveways, walkways, patios, parking areas, etc.)
- Converting less than 0.75 acre of natural vegetation to lawn or landscape area

APPLICANT/PROJECT INFORMATION

Applicant Name:			
Mailing Address			
Phone Number:		Email Address:	
Project Address:			
Brief Project Description:			

PROPOSED LAND DISTURBANCE

Estimated total land disturbance area including clearing, grubbing, stripping, grading, filling and excavation:	square feet
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PROPOSED HARD SURFACES (NEW PLUS REPLACED)

A. Rooftops (including covered decks and sheds):	square feet
B. Other hard surfaces (driveways, walkways, patios, etc.):	square feet
<i>Total new and replaced hard surfaces [add A + B above]:</i>	square feet

I hereby certify that I have read and examined this form and all attachments and know the same to be true, accurate and complete under penalty of perjury by the laws of the State of Washington.

APPLICANT'S SIGNATURE

PRINTED NAME

DATE

INSTRUCTIONS

Please complete all sections of this form and prepare associated drawings:

- **Section 1: Project Location and Existing Site Conditions**
- **Section 2: Proposed On-Site Stormwater Management**
- **Section 3: Soil Quality and Depth**
- **Section 4: Final Drainage and Stormwater Management Plan**
- **Section 5: Erosion and Sediment Control During Construction**

More information on meeting these requirements can be found in the Cowlitz County Stormwater Guidelines.

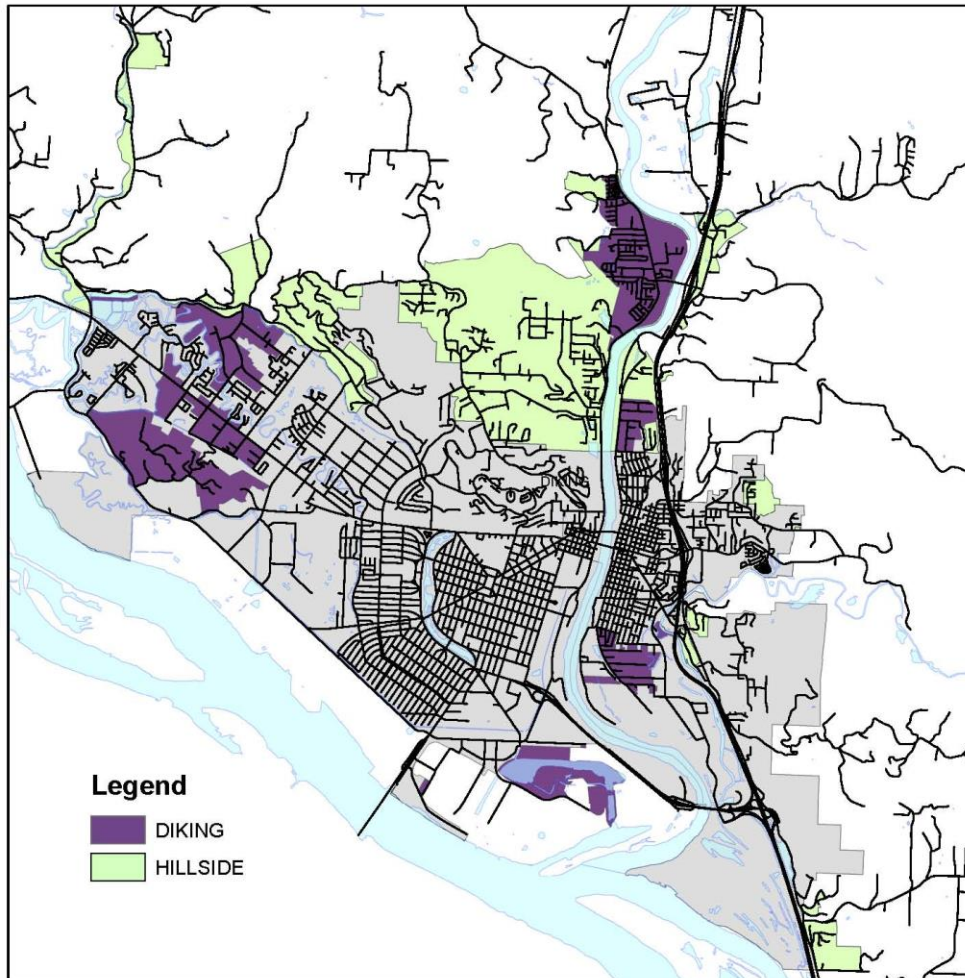
For assistance please contact 360-577-3030.

SECTION 1: PROJECT LOCATION AND EXISTING SITE CONDITIONS

PROJECT LOCATION (see map below)

Diked Areas (South of CDID#1 Ditch No. 6)

Hillside (North of CDID#1 Ditch No. 6)



EXISTING CONDITIONS SUMMARY

Describe the existing site conditions by answering the questions below.

1) What is the existing ground cover (check all that apply):

- | | | | |
|---------------------------------|-----------------------------------|--------------------------------------|---|
| <input type="checkbox"/> Forest | <input type="checkbox"/> Pasture | <input type="checkbox"/> Trees | <input type="checkbox"/> Lawn/Landscaping |
| <input type="checkbox"/> Gravel | <input type="checkbox"/> Pavement | <input type="checkbox"/> Building(s) | <input type="checkbox"/> Other _____ |

2) Which surface water and drainage features are found on the site (check all that apply):

- | | | | |
|--------------------------------------|---------------------------------------|--|---|
| <input type="checkbox"/> Area Drain | <input type="checkbox"/> French Drain | <input type="checkbox"/> Hard Drain Pipe | <input type="checkbox"/> Sump Pump |
| <input type="checkbox"/> Catch Basin | <input type="checkbox"/> Storm Sewer | <input type="checkbox"/> Culvert | <input type="checkbox"/> Open Ditch / Swale |
| <input type="checkbox"/> Stream | <input type="checkbox"/> Pond | <input type="checkbox"/> Spring | <input type="checkbox"/> Other _____ |

3) What is the topography (slope) of the site:

- | | | | |
|-------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|
| <input type="checkbox"/> Flat | <input type="checkbox"/> Mild Slopes | <input type="checkbox"/> Steep Slopes | <input type="checkbox"/> Other _____ |
|-------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|

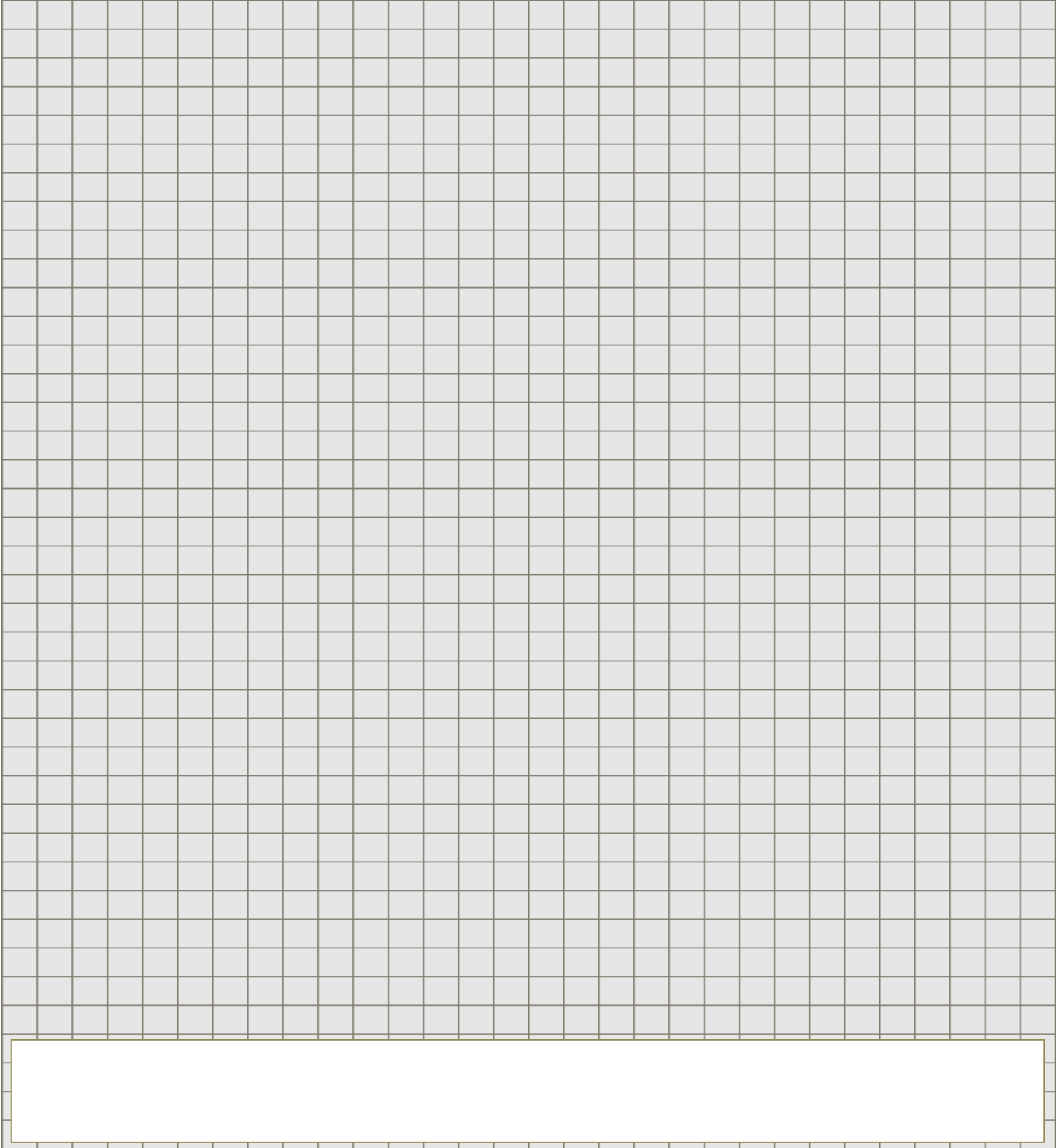
4) Describe any known drainage problems on the site (e.g. standing water, flooding, erosion, etc.):

5) HILLSIDE PROJECTS ONLY – Describe how and where surface water enters the site from uphill properties and how and where water exits the site:

6) On the next page or submitted separately, provide a rough drawing of the existing site conditions that includes the following items:

- Existing buildings, driveways, and other hard surfaces
- Existing retaining walls and embankments
- Boundaries of existing vegetation (e.g. trees, lawn, pasture, native vegetation, etc.)
- Surface water and drainage features (identified in Question 2)
- Existing drainage patterns (how and where surface water flows across the site)
- Existing drainage and utility easements

EXISTING CONDITIONS SITE DRAWING



SECTION 2: PROPOSED ON-SITE STORMWATER MANAGEMENT

STORMWATER LOW IMPACT DEVELOPMENT (LID) PRACTICES

Beginning July 1, 2017, all projects meeting the threshold for this form are required to utilize Low Impact Development (LID) stormwater management practices to infiltrate, disperse and retain stormwater runoff on-site to the extent feasible without causing flooding, erosion or geohazard impacts.

The LID practices required vary depending on the runoff source (rooftop drainage vs. stormwater from other hard surfaces) and whether the project is in the Valley or Hillside:

LIST 1A -- DIKED		LIST 1B -- HILLSIDE	
Runoff from Roofs	Runoff from Other Sources	Runoff from Roofs	Runoff from Other Sources
Downspout Full Infiltration <i>–or–</i>	Concentrated Flow Dispersion <i>–or–</i>	❶ Full Dispersion <i>–or–</i>	❶ Full Dispersion
Downspout Dispersion System <i>–or–</i>	Sheet Flow Dispersion	Downspout Full Infiltration	❷ Rain Garden <i>–or–</i>
Perforated Stub-out Connection		❷ Rain Garden	Permeable Pavement
		❸ Downspout Dispersion System	❸ Concentrated Flow Dispersion <i>–or–</i>
		❹ Perforated Stub-out Connection	Sheet Flow Dispersion

Use the appropriate worksheet (*A for Valley projects; B for Hillside projects*) on the following pages to determine the preliminary feasibility for each of the LID practices. Based upon the feasibility analysis, select the practices for use on the project as follows:

- For **DIKED** projects, select the preferred practices from Worksheet A that are applicable for the site/project for both *roof runoff* and *runoff from other sources*. You can choose to use more than one applicable practice for each source of runoff.
- For **HILLSIDE** projects, **use the first feasible practice(s) in numeric order** on Worksheet B (from those that are feasible for the site/project) for both *roof runoff* and *runoff from other sources*.

Check the stormwater LID practices to be utilized on the project (select all that will be applied):

Roof Areas	Other Source Areas
<input type="checkbox"/> Downspout Full Infiltration (T5.10A)	<input type="checkbox"/> Concentrated Flow Dispersion (T5.11)
<input type="checkbox"/> Downspout Dispersion Systems (T5.10B)	<input type="checkbox"/> Sheet Flow Dispersion (T5.12)
<input type="checkbox"/> Perforated Stub-out Connections (T5.10C)	<input type="checkbox"/> Full Dispersion (T5.30)
<input type="checkbox"/> Full Dispersion (T5.30)	<input type="checkbox"/> Rain Garden (T5.14A)
<input type="checkbox"/> Rain Garden (T5.14A)	<input type="checkbox"/> Permeable Pavement (T5.15)
<input type="checkbox"/> <i>project has no roof areas</i>	<input type="checkbox"/> <i>project has no other source areas</i>

Worksheet A – Low Impact Development (LID) Preliminary Feasibility for VALLEY Small Projects

Runoff from Roof Areas			
LID Practice	Feasibility Questions	Yes	No
Downspout Full Infiltration (T5.10A)	3 feet or less from finished grade to seasonal high water table?	<input type="checkbox"/>	<input type="checkbox"/>
	1 feet or less vertical separation from bottom of dry well or trench to seasonal high water table?	<input type="checkbox"/>	<input type="checkbox"/>
	Setbacks of less than 10 feet from structure or property line?	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> Infeasible (YES to <u>any</u> question) <input type="checkbox"/> More review required (NO to <u>all</u> questions) <i>[consult City Stormwater staff for more information]</i>		
Downspout Dispersion Systems (T5.10B)	Vegetated flow path of less than less than 50 feet?	<input type="checkbox"/>	<input type="checkbox"/>
	Setbacks of less than 5 feet from structure or property line?	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> Infeasible (YES to <u>any</u> question) <input type="checkbox"/> More review required (NO to <u>all</u> questions) <i>[consult City Stormwater staff for more information]</i>		
Perforated Stub-out Connections (T5.10C)	3 feet or less from finished grade to seasonal high water table?	<input type="checkbox"/>	<input type="checkbox"/>
	1 feet or less vertical separation from bottom of dry well or trench to seasonal high water table?	<input type="checkbox"/>	<input type="checkbox"/>
	Setbacks of less than 10 feet from structure or property line?	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> Infeasible (YES to <u>any</u> question) <input type="checkbox"/> More review required (NO to <u>all</u> questions) <i>[consult City Stormwater staff for more information]</i>		
Runoff from Other Hard Surfaces			
LID Practice	Feasibility Questions	Yes	No
Concentrated Flow Dispersion (T5.11)	Vegetated flow path of less than less than 50 feet?	<input type="checkbox"/>	<input type="checkbox"/>
	Setbacks of less than 5 feet from structure or property line?	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> Infeasible (YES to <u>any</u> question) <input type="checkbox"/> More review required (NO to <u>all</u> questions) <i>[consult City Stormwater staff for more information]</i>		
Sheet Flow Dispersion (T5.12)	Insufficient vegetated buffer area* for dispersion?	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> Infeasible (YES to <u>any</u> question) <input type="checkbox"/> More review required (NO to <u>all</u> questions) <i>[consult City Stormwater staff for more information]</i>		
	* minimum 12 foot buffer area for up to 20 feet of hard surface, plus 10 feet for each additional 20 feet of hard surface or fraction thereof		

Worksheet B – Low Impact Development (LID) Preliminary Feasibility for HILLSIDE Small Projects

Runoff Source		LID Practice	Feasibility Questions	Yes	No	
Roofs	Other Hard Surfaces					
1						
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Full Dispersion (T5.30)	Within 50 feet of geological hazard area?	?	?	
			Slope greater than 15%?	?	?	
			Ratio of native vegetation to impervious is less than 65 to 10?	?	?	
			Dispersion flow path (through native vegetation) less than 100 ft?	?	?	
			? Infeasible (YES to <u>any</u> question) ? More review required (NO to <u>all</u> questions) [consult City Stormwater staff for more information]			
<input checked="" type="checkbox"/>		Downspout Full Infiltration (T5.10A)	Within 50 feet of geological hazard area?	?	?	
			Slope greater than 15%?	?	?	
			3 feet or less from finished grade to seasonal high water table?	?	?	
			Setbacks of less than 10 feet from structure or property line?	?	?	
			? Infeasible (YES to <u>any</u> question) ? More review required (NO to <u>all</u> questions) [consult City Stormwater staff for more information]			
2						
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rain Gardens (T5.14A)	Within 50 feet of geological hazard area or slopes greater than 20%?	?	?	
			Slopes greater than 8%?	?	?	
			3 feet or less vertical separation from bottom of facility to bedrock or seasonal high water table?	?	?	
			Setbacks of less than 10 feet from structure or property line?	?	?	
			? Infeasible (YES to <u>any</u> question) ? More review required (NO to <u>all</u> questions) [consult City Stormwater staff for more information]			
	<input checked="" type="checkbox"/>	Permeable Pavement (T5.15)	Within 50 feet of geological hazard area or slopes greater than 20%?	?	?	
			Slope greater than 10% (for pervious concrete) or 12% (for permeable interlocking concrete pavers)?	?	?	
			Downslope of steep, erosion prone areas?	?	?	
			Threatens existing below-grade basement or utilities?	?	?	
			? Infeasible (YES to <u>any</u> question) ? More review required (NO to <u>all</u> questions) [consult City Stormwater staff for more information]			
3						
<input checked="" type="checkbox"/>		Downspout Dispersion Systems (T5.10B)	Within 50 feet of geological hazard area or slopes greater than 15%?	?	?	
			Vegetated flow path of less than less than 50 feet?	?	?	
			Setbacks of less than 5 feet from structure or property line?	?	?	
			? Infeasible (YES to <u>any</u> question) ? More review required (NO to <u>all</u> questions) [consult City Stormwater staff for more information]			
	<input checked="" type="checkbox"/>		Concentrated Flow Dispersion (T5.11)	Within 50 feet of geological hazard area or slopes greater than 15%?	?	?
		Vegetated flow path of less than less than 50 feet ?		?	?	
		Setbacks of less than 5 feet from structure or property line?		?	?	
		? Infeasible (YES to <u>any</u> question) ? More review required (NO to <u>all</u> questions) [consult City Stormwater staff for more information]				
	<input checked="" type="checkbox"/>	Sheet Flow Dispersion (T5.12)		Within 50 feet of geological hazard area or slopes greater than 20%?	?	?
			Slope greater than 15%?	?	?	
			Insufficient vegetated buffer area for dispersion?	?	?	
			? Infeasible (YES to <u>any</u> question) ? More review required (NO to <u>all</u> questions) [consult City Stormwater staff for more information]			
4						
<input checked="" type="checkbox"/>		Perforated Stub-out Connections (T5.10C)	Within 50 feet of geological hazard area or slopes greater than 20%?	YES	NO	
			Slope greater than 15%?	?	?	
			3 feet or less from finished grade to seasonal high water table?	?	?	
			Setbacks of less than 10 feet from structure or property line?	?	?	
			? Infeasible (YES to <u>any</u> question) ? More review required (NO to <u>all</u> questions) [consult City Stormwater staff for more information]			

SECTION 3: SOIL QUALITY AND DEPTH

SOIL QUALITY AND DEPTH OPTIONS FOR DISTURBED SOIL AREAS

All projects meeting the threshold for this form with **disturbed** soil areas (to be replanted with landscaping, lawn or native vegetation) are required to meet minimum soil quality and depth criteria.

See *Stormwater Management Manual for Western Washington* for more information on soil quality and depth requirements.

Select the option to be used for the project:

Soil Quality and Depth Option	Soil Quality and Depth Criteria
<p><input type="checkbox"/> OPTION A: Amend existing topsoil or subsoil in place</p> <p>Scarify or till subgrade to 9 inches depth (or to depth needed to achieve a total depth of 12 inches of uncompacted soil after calculated amount of amendment is added). Entire surface should be disturbed by scarification. Do not scarify within drip line of existing trees to be retained. Amend soil to meet required organic content.</p>	<ul style="list-style-type: none"> ● Planting Beds <p>Place 3 inches of composted material and rototill into 5 inches of soil (a total amended depth of about 9.5 inches, for a settled depth of 8 inches).</p> <ul style="list-style-type: none"> ● Turf Areas
<p><input type="checkbox"/> OPTION B: Stockpile existing topsoil during grading. Replace before planting</p> <p>Stockpile and cover soil with weed barrier material that sheds moisture yet allows air transmission, in approved location, prior to grading. Replace stockpiled topsoil prior to planting. Amend if needed to meet required organic content.</p> <p><i>NOTE: If placed topsoil plus compost or other organic material will amount to less than 12 inches: Scarify or till subgrade to depth needed to achieve 12 inches of loosened soil after topsoil and amendment are placed. Entire surface should be disturbed by scarification. Do not scarify within drip line of existing trees to be retained.</i></p>	<p>Place 1.75 inches of composted material and rototill into 6.25 inches of soil (a total amended depth of about 9.5 inches, for a settled depth of 8 inches).</p>
<p><input type="checkbox"/> OPTION C: Import topsoil mix of sufficient organic content and depth to meet the requirements</p> <p>Scarify or till subgrade in two directions to 6 inches depth. Entire surface should be disturbed by scarification. Do not scarify within drip line of existing trees to be retained.</p>	<ul style="list-style-type: none"> ● Planting Beds: Topsoil mix containing 10% organic matter (typically around 40% compost). ● Turf Areas: Topsoil mix containing 5% organic matter (typically around 25% compost). <p>Place 3 inches of imported topsoil mix on surface and till into 2 inches of soil.</p> <p>Place second lift of 3 inches topsoil mix on surface.</p>

SECTION 4: FINAL STORMWATER MANAGEMENT AND DRAINAGE PLAN

FINAL DRAINAGE DESIGN GUIDELINES

Check each box to certify that the following final drainage guidelines and standards will be met on the project:

- Applicable setbacks for all drainage system components and stormwater management practices
- Minimum grade (slope) of 2% away from building foundations
- Existing natural drainage patterns and outfalls preserved to the maximum extent practicable
- No *increase* to existing runoff sheet flows or concentrated flows, or *new* runoff flows, onto adjacent properties (unless a drainage easement is obtained)
- An approved point of discharge (e.g. curb cut/street gutter, storm drain, existing open channel*, etc.) for all drainage collection and conveyance systems to ensure that they will not create a public nuisance, safety hazard or harm adjacent properties

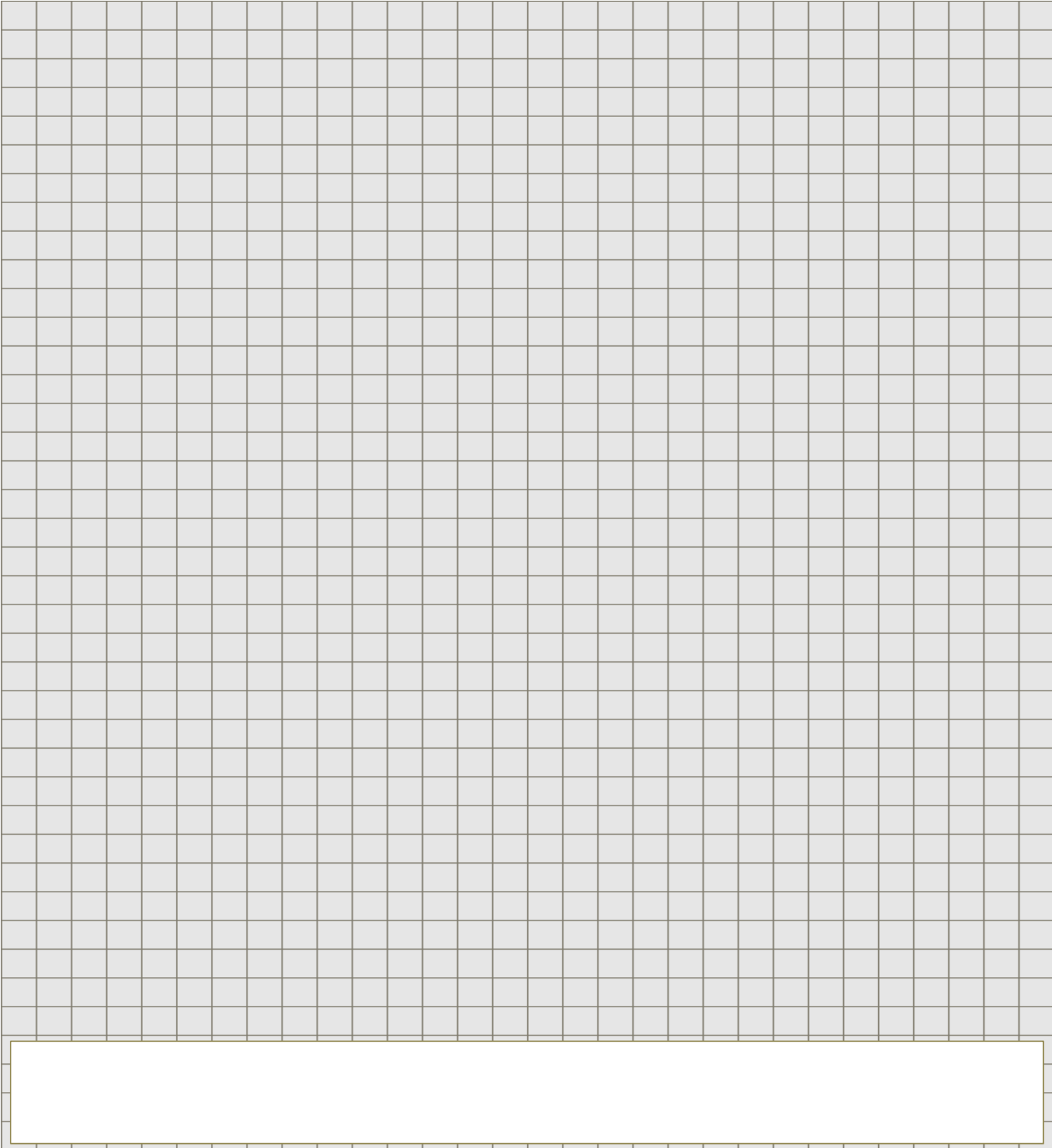
* *Note: A permit is required to discharge to a Diking District waterway (open water ditch or drain).*

FINAL STORMWATER MANAGEMENT AND DRAINAGE PLAN

On the next page or submitted separately, provide a drawing of the site showing the final proposed layout of the project to include the following items (this may be drawn by hand or drafted electronically):

- Location and footprint of all proposed impervious hard surfaces including structures, driveways, parking pads, sidewalks, decks, patios and accessory buildings
- Location of any retaining walls and embankments
- Proposed site grading and contours (*Hillside projects only*)
- Proposed drainage collection and conveyance systems including roof downspouts, area drains, french drains, hard drainage pipes, sump pump discharges and open ditches/swales
- Location of stormwater LID practices (identified in Section 2) including:
 - Downspout Full Infiltration
 - Downspout Dispersion Systems
 - Perforated Stub-out Connections
 - Full Dispersion
 - Concentrated Flow Dispersion
 - Sheet Flow Dispersion
 - Rain Garden
 - Permeable Pavement
- Areas of disturbed soils to be amended using method identified in Section 3
- Drainage flow paths (shown with arrows) from roof downspouts and other hard surface areas (driveways, patios, etc.) to LID practices (if applicable) and the eventual point of discharge from the project site.
- Attach applicable construction details (drawings) for each stormwater LID practice to this short form.

FINAL STORMWATER MANAGEMENT AND DRAINAGE PLAN DRAWING



SECTION 5: EROSION AND SEDIMENT CONTROL DURING CONSTRUCTION

CONSTRUCTION EROSION AND SEDIMENT CONTROL MEASURES

For each topic below, select at least one **erosion and sediment control measure** that will be used on the project during the construction phase to reduce the potential for soil erosion and transport of sediment and pollutants from the site. If the item is not applicable to the site, check “*Not applicable*” and provide a rationale.

The numbers in parentheses reference the Best Management Practice (BMP) section in the Stormwater Management Manual for Western Washington, Volume II, where additional guidance and information on these measures can be obtained. Other approved measures not listed may be specified in the blanks provided; designs that involve engineering calculations should be prepared by a licensed engineer.

NOTE: This section will serve as the project’s Construction Stormwater Pollution Prevention Plan.

- *The erosion and sediment control measures identified below may need to be supplemented as on-site conditions dictate in order to effectively address erosion and sediment control for the project.*
- *Prior to land disturbance, a pre-construction inspection is required to ensure that all BMPs are in place and the site conforms to the plan.*

A. Preserve Vegetation and Mark Clearing Limits

Requirement: Retain topsoil and natural vegetation in an undisturbed state to the maximum extent practicable. Mark all clearing limits, sensitive areas and their buffers, and any trees that will be preserved. Limits shall be marked in such a way that any trees or vegetation to remain will not be harmed.

Applicable erosion and sediment control measures (check all that will be used):

- Preserving Native Vegetation (C101) Buffer Zones (C102)
 High Visibility Plastic Fence (C103) (Sediment) Fence – orange only (C233)
 Other _____
 not applicable – please explain why _____

B. Construction Access

Requirement: Prevent vehicles from tracking soil from the site onto streets or neighboring properties by stabilizing the entrance with a rock pad. If possible, place the entrance where a future driveway will be located, as it may be possible to use the rock as a driveway base material. If sediment is tracked offsite, sweep or shovel it from the paved surface immediately.

Applicable erosion and sediment control measures (check all that will be used):

- Stabilized Construction Entrance (C105) Other _____
 Not applicable – please explain why _____

C. Control Stormwater Runoff Flow Rates

Requirement: Protect properties and waterways downstream of the construction site from erosion by slowing down stormwater runoff from the site as much as possible.

Applicable erosion and sediment control measures (*check all that will be used*):

- Interceptor Swales & Dikes (C200)
- Check Dams (C207)
- Wattles (C235)
- Other _____
- Not applicable – please explain why _____

D. Sediment Controls

Requirement: Runoff from disturbed areas must pass through a sediment removal device. Sediment barriers are typically used to slow sheet flow of stormwater and allow the sediment to settle out behind the barrier.

Applicable erosion and sediment control measures (*check all that will be used*):

- Silt (Sediment) Fence (C233)
- Vegetated Strip (C234)
- Wattles (C235)
- Sidewalk Subgrade Curb Barrier
- Other _____
- Not applicable – please explain why _____

E. Stabilize Soils

Requirement: Protect exposed soils and stockpiles from rain, flowing water, and wind by covering them or planting grass.

During the wet season from October 1 through April 30, no soils or stockpiles shall remain exposed or unworked for more than 2 days. From May 1 to September 30, no soils or stockpiles shall remain exposed and unworked for more than 7 days.

Applicable erosion and sediment control measures (*check all that will be used*):

- Mulching (C121)
- Plastic Covering (C123)
- Compost (C125)
- Other _____
- Not applicable – please explain why _____

F. Protect Slopes

Requirement: Protect slopes by diverting water away from the top of the slope and establishing vegetation on slopes.

Applicable erosion and sediment control measures (*check all that will be used*):

- Nets & Blankets (C122)
- C130 Surface Roughening (C130)
- Pipe Slope Drain (C204)
- Other _____
- Element is not applicable – please explain why _____

G. Protect Drain Inlets

Requirement: 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.

Applicable erosion and sediment control measures (check all that will be used):

- Storm Drain Inlet Protection (C220) Other _____
- Element is not applicable – please explain why _____

H. Stabilize Channels and Outlets

Requirement: Stabilize all temporary and permanent conveyance channels and their outlets.

Applicable erosion and sediment control measures (check all that will be used):

- Nets & Blankets (C122) Check Dams (C207)
- Outlet Protection (C209) Other _____
- Element is not applicable – please explain why _____

I. Control Pollutants

Requirement: Handle and dispose of all pollutants, such as chemicals, paint, petroleum products, and concrete (wet and dry) to keep them out of rain and stormwater. Provide cover and containment for liquid materials and handle all concrete and concrete waste appropriately

Applicable erosion and sediment control measures (check all that will be used):

- Materials on Hand (C150) Concrete Handling (C151)
- Material Delivery, Storage and Containment (C153)
- Other _____
- Element is not applicable – please explain why _____

J. Control Dewatering

Requirement: If dewatering is needed, assess the condition of the pumped water. Clean, non-turbid dewatering water, such as groundwater, can be discharged to the stormwater system as long as it does not cause downstream erosion or flooding. Dirty or contaminated dewatering water must be filtered or may be discharged to the local sanitary sewer, if permitted.

Applicable erosion and sediment control measures (check all that will be used):

- Dewatering Plan (approved by Public Works Department)
- Element is not applicable – please explain why _____

K. Maintain Erosion and Sediment Control Measures

Requirement: Maintain and repair erosion and sediment control measures as needed. Inspect all measures at least weekly and after every storm event. Keep an erosion control inspection log on site and available for review by City staff at all times. Remove all temporary erosion and sediment control measures within 30 days after final site stabilization or if the measure is no longer needed.

Applicable erosion and sediment control measures (check all that will be used):

- Materials on Hand (C150)
- Certified Erosion and Sediment Control Lead [CESCL] (C160)
- Other _____

L. Manage the Project

Requirement: 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. The CESCL or inspector must have the skills to assess site conditions and construction activities that could impact the quality of stormwater discharges and the effectiveness of erosion and sediment control measures used to control them. The erosion control inspector must be on the site or on-call 24 hours a day.

Applicable erosion and sediment control measures (check all that will be used):

- Certified Erosion & Sediment Control Lead (C160) Name: _____
- Non-CESCL designated inspector Name: _____

M. Protect Low Impact Development Practices

Requirement: Protect the proposed permanent Low Impact Development (LID) practices and areas (identified in Section 2) from compaction and damage from erosion and sediment during construction.

Applicable erosion and sediment control measures (check all that will be used):

- Buffer Zone (C102)
- High Visibility Plastic Fence (C103)
- Check Dams (C207)
- Triangular Silt Dike (C208)
- Brush Barrier (C231)
- Silt Fence (C233)
- Vegetated Strip (C234)
- Other _____
- Element is not applicable – please explain why _____

CONSTRUCTION EROSION AND SEDIMENT CONTROL SITE PLAN

On the next page or submitted separately, provide a drawing of the site showing the construction phase of the project to include the following items (this may be drawn by hand or drafted electronically):

- All areas to be cleared and graded, including cut and fill areas if applicable
- Boundary limits of existing trees and vegetation to be protected
- Location of all erosion and sediment control measures selected for topics A-M

CONSTRUCTION EROSION AND SEDIMENT CONTROL SITE PLAN DRAWING

