



# SMALL PROJECT Stormwater Form

Cowlitz County Department of Public Works / Stormwater Division  
1600 13<sup>th</sup> 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.*

### **ELIGIBLE PROJECTS**

New construction, redevelopment and land disturbing projects that meet the following criteria are eligible to use this form:

- Disturbing at least 7,000 square feet but less than 43,560 square feet (1 acre) of land that is not part of a larger common plan of development); **and/or**
- Creating and replacing (*in total*) at least 2,000 square feet but less than 5,000 square feet of hard surfaces; **and**
- Converting less than 0.75 acre of natural vegetation to lawn or landscape area

### **INSTRUCTIONS FOR USING THIS FORM**

- Please complete all sections of this form and answer all questions as completely as possible:

**SECTION 1: Project Location and Existing Site Conditions**

**SECTION 2: Proposed On-Site Stormwater Management**

**SECTION 3: Soil Quality and Depth**

**SECTION 4: Drainage and Stormwater Management Plan**

**SECTION 5: Erosion and Sediment Control During Construction**

- For all project plan drawings, either use the blank grid sheets provided in this packet or submit clean and legible site plans separately.
- Please submit this document with a completed and signed **Stormwater Plan Review Submittal Form**.

***More information on meeting these requirements can be found in the Cowlitz County Stormwater Guidelines document. For assistance please contact 360-577-3030.***

### **APPLICANT/PROJECT ADDRESS**

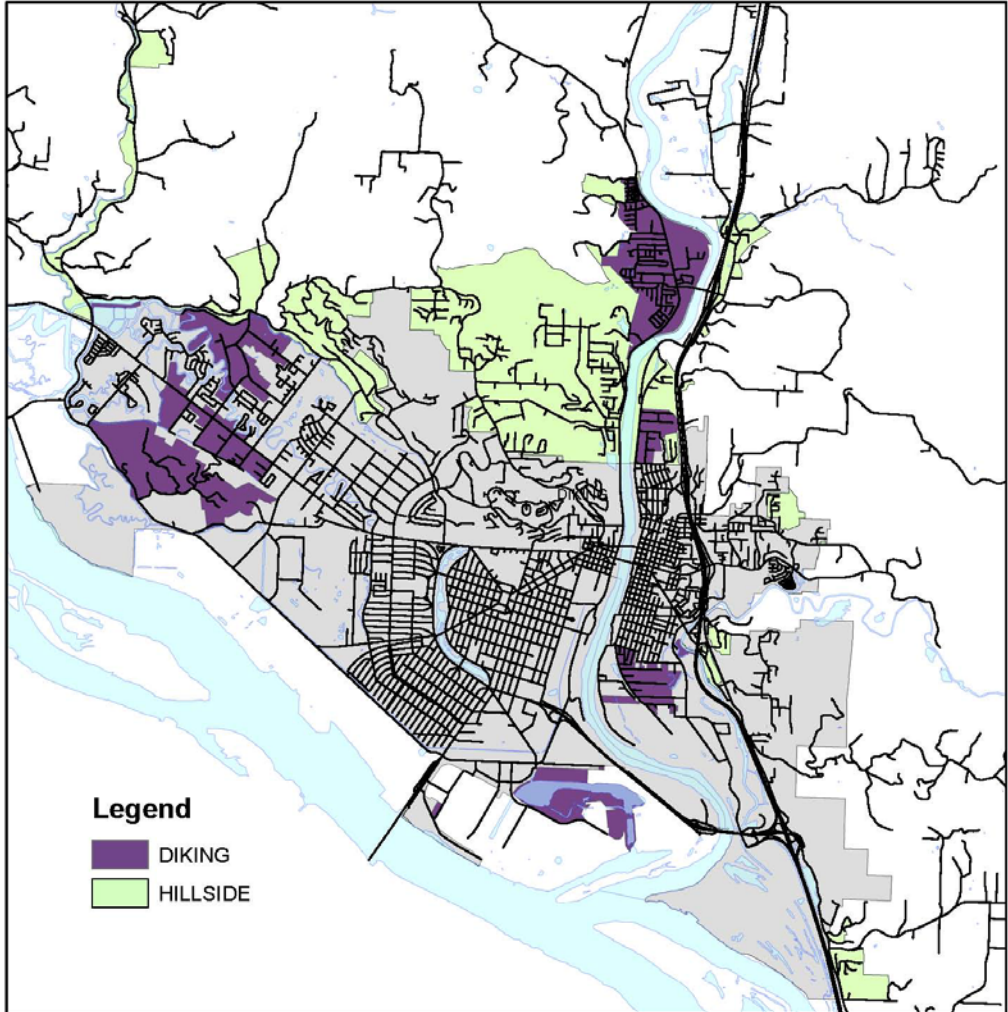
Applicant Name:
Project Address:
Project Description:

# SECTION 1: PROJECT LOCATION AND EXISTING SITE CONDITIONS

## PROJECT LOCATION (see map below)

Diking

Hillside



## 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) What is the topography (slope) of the site?**

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Flat to Gradual Slopes (0 – 8%) | <input type="checkbox"/> Moderate Slopes (9 – 15%) | <input type="checkbox"/> Steep Slopes (> 15%) |
|--|--|---|

**3) What is the annual minimum depth to groundwater on the site?**

- |                                      |                                      |   |
|--------------------------------------|--------------------------------------|---|
| <input type="checkbox"/> 0 to 3 feet | <input type="checkbox"/> 3 to 6 feet | <input type="checkbox"/> more than 6 feet |
|--------------------------------------|--------------------------------------|---|

[Title]

4) Are there any geological hazard areas present on the site?:

- YES                       NO

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

- Area Drain             French Drain             Hard Drain Pipe     Sump Pump  
 Catch Basin            Storm Sewer            Culvert                 Open Ditch / Swale  
 Stream                  Pond                      Spring / Seep        Other \_\_\_\_\_

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

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7) **HILLSIDE PROJECTS ONLY** – Describe how and where surface water enters the site from the uphill side and how and where water exits the site:

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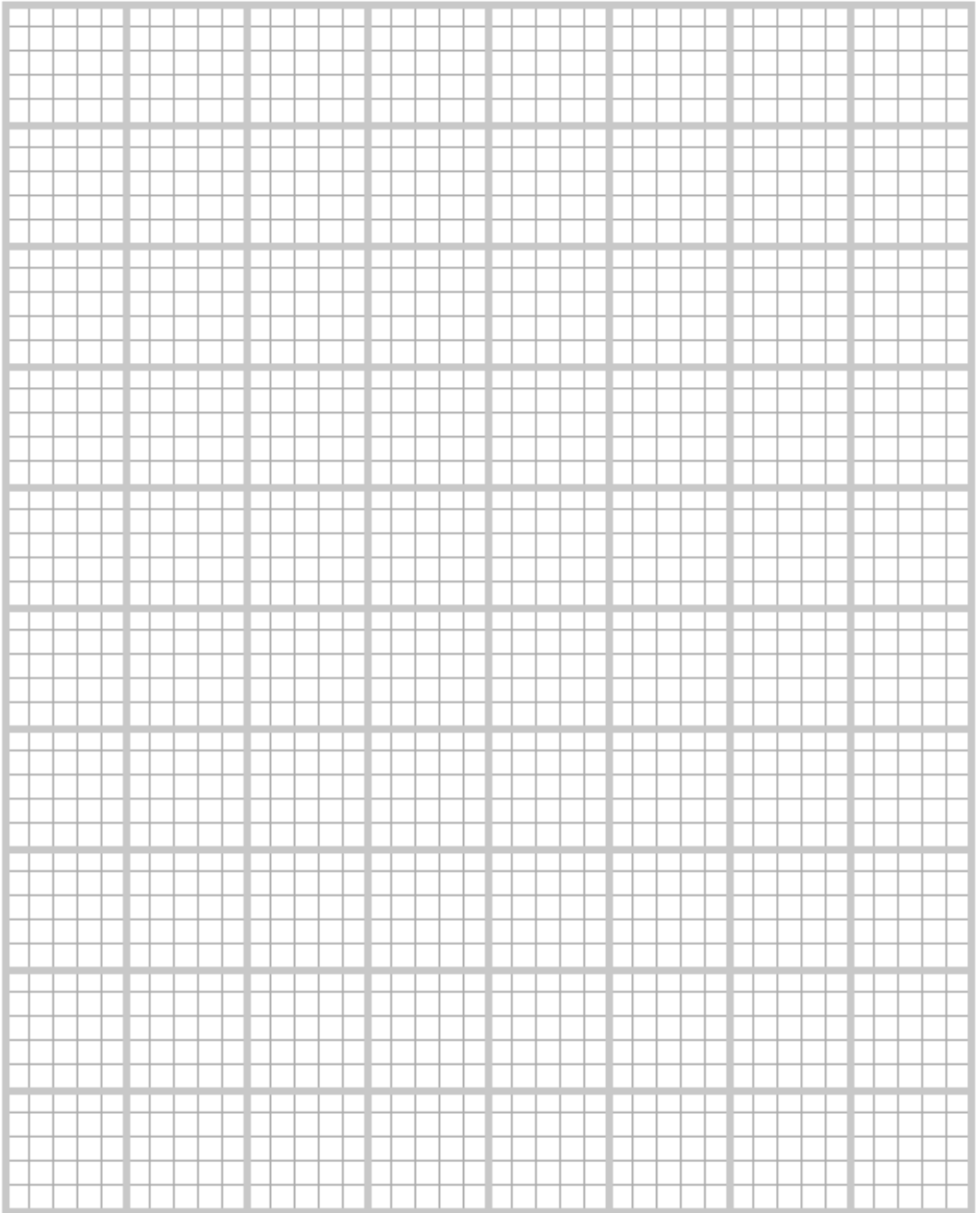
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8) On the next page or submitted separately, provide a rough drawing of the existing site conditions that includes the following items:

- Existing buildings, driveways, and other impervious / hard surfaces
- Existing retaining walls and embankments
- Boundaries of existing native vegetation (e.g. trees, native vegetation, pasture)
- Boundaries of existing lawn and landscaped areas
- Surface water and drainage features (*identified in Question 5*)
- Existing drainage patterns (how and where surface water flows across the site)
- Location of existing stormwater discharge points to public right-of-way (street or roadside ditch) – including open drainage / swales, french drains, hard pipes, and sump pump discharges.
- Existing drainage and utility easements (*if applicable*)

**EXISTING CONDITIONS SITE DRAWING**



## SECTION 2: PROPOSED ON-SITE STORMWATER MANAGEMENT

### STORMWATER LOW IMPACT DEVELOPMENT (LID) PRACTICES

Beginning July 1, 2017, all development projects adding or replacing at least 2,000 square feet of hard surfaces 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 to be considered vary depending on the runoff source (rooftop drainage vs. stormwater from other hard surfaces) and whether the project is in the Diked or Hillside:

LIST 1A -- DIKED	
Runoff from Roofs	Runoff from Other Hard Surfaces
Downspout Full Infiltration <i>–or–</i>	Concentrated Flow Dispersion <i>–or–</i>
Downspout Dispersion System <i>–or–</i>	
Perforated Stub-out Connection	Sheet Flow Dispersion

LIST 1B -- HILLSIDE	
Runoff from Roofs	Runoff from Other Hard Surfaces
① Full Dispersion <i>–or–</i>	① Full Dispersion
Downspout Full Infiltration	② Rain Garden <i>–or–</i>
② Rain Garden	Permeable Pavement
③ Downspout Dispersion System	③ Concentrated Flow Dispersion <i>–or–</i>
④ Perforated Stub-out Connection	Sheet Flow Dispersion

Use the appropriate worksheet on the following pages (*Worksheet A for Diked projects; Worksheet B for Hillside projects*) 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 feasible practices from List 1A that are applicable for the site/project for areas of *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** from LIST 1B for areas of *roof runoff* and *runoff from other sources*.

**Check the stormwater LID practices being proposed for the project (select all that will be applied):**

Roof Areas	Other Hard Surfaces
<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>

Numbers refer to the applicable BMP from the Stormwater Management Manual for Western Washington, Volume V

## Worksheet A – DIKED Small Projects: Low Impact Development Practice Preliminary Feasibility

Runoff from Roof Areas			
Yes	No	Feasibility Questions	LID Practice
<input type="checkbox"/>	<input type="checkbox"/>	3 feet or less from finished grade to seasonal high water table?	<b>Downspout Full Infiltration (T5.10A)</b>
<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"/> Infeasible (YES to <u>any</u> question) <input type="checkbox"/> More review required* (NO to <u>all</u> questions)			
<input type="checkbox"/>	<input type="checkbox"/>	Vegetated flow path of less than 50 feet?	<b>Downspout Dispersion Systems (T5.10B)</b>
<input type="checkbox"/>	<input type="checkbox"/>	Setbacks of less than 5 feet from structure or property line?	
<input type="checkbox"/> Infeasible (YES to <u>any</u> question) <input type="checkbox"/> More review required* (NO to <u>all</u> questions)			
<input type="checkbox"/>	<input type="checkbox"/>	3 feet or less from finished grade to seasonal high water table?	<b>Perforated Stub-out Connections (T5.10C)</b>
<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"/> Infeasible (YES to <u>any</u> question) <input type="checkbox"/> More review required* (NO to <u>all</u> questions)			
Runoff from Other Hard Surfaces			
Yes	No	Feasibility Questions	LID Practice
<input type="checkbox"/>	<input type="checkbox"/>	Vegetated flow path of less than 50 feet?	<b>Concentrated Flow Dispersion (T5.11)</b>
<input type="checkbox"/>	<input type="checkbox"/>	Setbacks of less than 5 feet from structure or property line?	
<input type="checkbox"/> Infeasible (YES to <u>any</u> question) <input type="checkbox"/> More review required* (NO to <u>all</u> questions)			
<input type="checkbox"/>	<input type="checkbox"/>	Sufficient vegetated buffer area for dispersion? (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)	<b>Sheet Flow Dispersion (T5.12)</b>
<input type="checkbox"/> Infeasible (YES to <u>any</u> question) <input type="checkbox"/> More review required* (NO to <u>all</u> questions)			

\* Review expanded feasibility checklist and requirements -- Consult County stormwater staff for more information

## Worksheet B – HILLSIDE Small Projects: Low Impact Development Practice Preliminary Feasibility

Yes	No	Feasibility Questions	Applicable for:		LID Practice
			Roofs	Other Hard Surfaces	
●					
<input type="checkbox"/>	<input type="checkbox"/>	Within 50 feet of geological hazard area?	YES	YES	Full Dispersion (T5.30)
<input type="checkbox"/>	<input type="checkbox"/>	Slope greater than 15%?			
<input type="checkbox"/>	<input type="checkbox"/>	Project area ratio of native vegetation to impervious less than 6.5:1?			
<input type="checkbox"/>	<input type="checkbox"/>	Dispersion flow path (through native vegetation) less than 100 ft?			
<input type="checkbox"/> Infeasible (YES to <u>any</u> question) <input type="checkbox"/> More review required* (NO to <u>all</u> questions)					
●					
<input type="checkbox"/>	<input type="checkbox"/>	Within 50 feet of geological hazard area?	YES	NO	Downspout Full Infiltration (T5.10A)
<input type="checkbox"/>	<input type="checkbox"/>	Slope greater than 15%?			
<input type="checkbox"/>	<input type="checkbox"/>	3 feet or less from finished grade 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"/> Infeasible (YES to <u>any</u> question) <input type="checkbox"/> More review required* (NO to <u>all</u> questions)					
●					
<input type="checkbox"/>	<input type="checkbox"/>	Within 50 feet of geological hazard area or slopes greater than 20%?	YES	YES	Rain Gardens (T5.14A)
<input type="checkbox"/>	<input type="checkbox"/>	Slopes greater than 8% at location of rain garden?			
<input type="checkbox"/>	<input type="checkbox"/>	1 feet or less vertical separation from bottom of facility to bedrock or seasonal high water table?			
<input type="checkbox"/>	<input type="checkbox"/>	Setbacks of less than 10 feet from structure or property line?			
<input type="checkbox"/> Infeasible (YES to <u>any</u> question) <input type="checkbox"/> More review required* (NO to <u>all</u> questions)					
<input type="checkbox"/>	<input type="checkbox"/>	Within 50 feet of geological hazard area or slopes greater than 20%?	NO	YES	Permeable Pavement (T5.15)
<input type="checkbox"/>	<input type="checkbox"/>	Slope greater than 5% (for porous asphalt), 10% (for pervious concrete) or 12% (for permeable interlocking concrete pavers)?			
<input type="checkbox"/>	<input type="checkbox"/>	Downslope of steep, erosion prone areas?			
<input type="checkbox"/>	<input type="checkbox"/>	Threatens existing below-grade basement, utilities, adjacent parcels?			
<input type="checkbox"/> Infeasible (YES to <u>any</u> question) <input type="checkbox"/> More review required* (NO to <u>all</u> questions)					
●					
<input type="checkbox"/>	<input type="checkbox"/>	Within 50 feet of geological hazard area or slopes greater than 15%?	YES	NO	Downspout Dispersion Systems (T5.10B)
<input type="checkbox"/>	<input type="checkbox"/>	Vegetated flow path of less than 25 feet?			
<input type="checkbox"/>	<input type="checkbox"/>	Setbacks of less than 5 feet from structure or property line?			
<input type="checkbox"/> Infeasible (YES to <u>any</u> question) <input type="checkbox"/> More review required* (NO to <u>all</u> questions)					
<input type="checkbox"/>	<input type="checkbox"/>	Within 50 feet of geological hazard area or slopes greater than 15%?	NO	YES	Concentrated Flow Dispersion (T5.11)
<input type="checkbox"/>	<input type="checkbox"/>	Vegetated flow path of less than 50 feet ?			
<input type="checkbox"/>	<input type="checkbox"/>	Setbacks of less than 5 feet from structure or property line?			
<input type="checkbox"/> Infeasible (YES to <u>any</u> question) <input type="checkbox"/> More review required* (NO to <u>all</u> questions)					
<input type="checkbox"/>	<input type="checkbox"/>	Within 50 feet of geological hazard area or slopes greater than 20%?	NO	YES	Sheet Flow Dispersion (T5.12)
<input type="checkbox"/>	<input type="checkbox"/>	Slope greater than 15%?			
<input type="checkbox"/>	<input type="checkbox"/>	Sufficient vegetated buffer area for dispersion? **			
<input type="checkbox"/> Infeasible (YES to <u>any</u> question) <input type="checkbox"/> More review required* (NO to <u>all</u> questions)					
●					
YES	NO	Within 50 feet of geological hazard area or slopes greater than 20%?	YES	NO	Perforated Stub-out Connections (T5.10C)
<input type="checkbox"/>	<input type="checkbox"/>	Slope greater than 15%?			
<input type="checkbox"/>	<input type="checkbox"/>	3 feet or less from finished grade 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"/> Infeasible (YES to <u>any</u> question) <input type="checkbox"/> More review required* (NO to <u>all</u> questions)					

\* Review expanded feasibility checklist and requirements -- Consult County stormwater staff for more information

\*\* 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

## 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 the County Stormwater Guidelines 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"/> <b>OPTION A: Amend existing topsoil or subsoil in place</b></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"> <li>● <b>Planting Beds</b></li> </ul> <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"> <li>● <b>Turf Areas</b></li> </ul>
<p><input type="checkbox"/> <b>OPTION B: Stockpile existing topsoil during grading. Replace before planting</b></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"/> <b>OPTION C: Import topsoil mix of sufficient organic content and depth to meet the requirements</b></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"> <li>● <b>Planting Beds:</b> Topsoil mix containing 10% organic matter (typically around 40% compost).</li> <li>● <b>Turf Areas:</b> Topsoil mix containing 5% organic matter (typically around 25% compost).</li> </ul> <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: STORMWATER MANAGEMENT AND DRAINAGE PLAN

### DRAINAGE DESIGN GUIDELINES

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

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

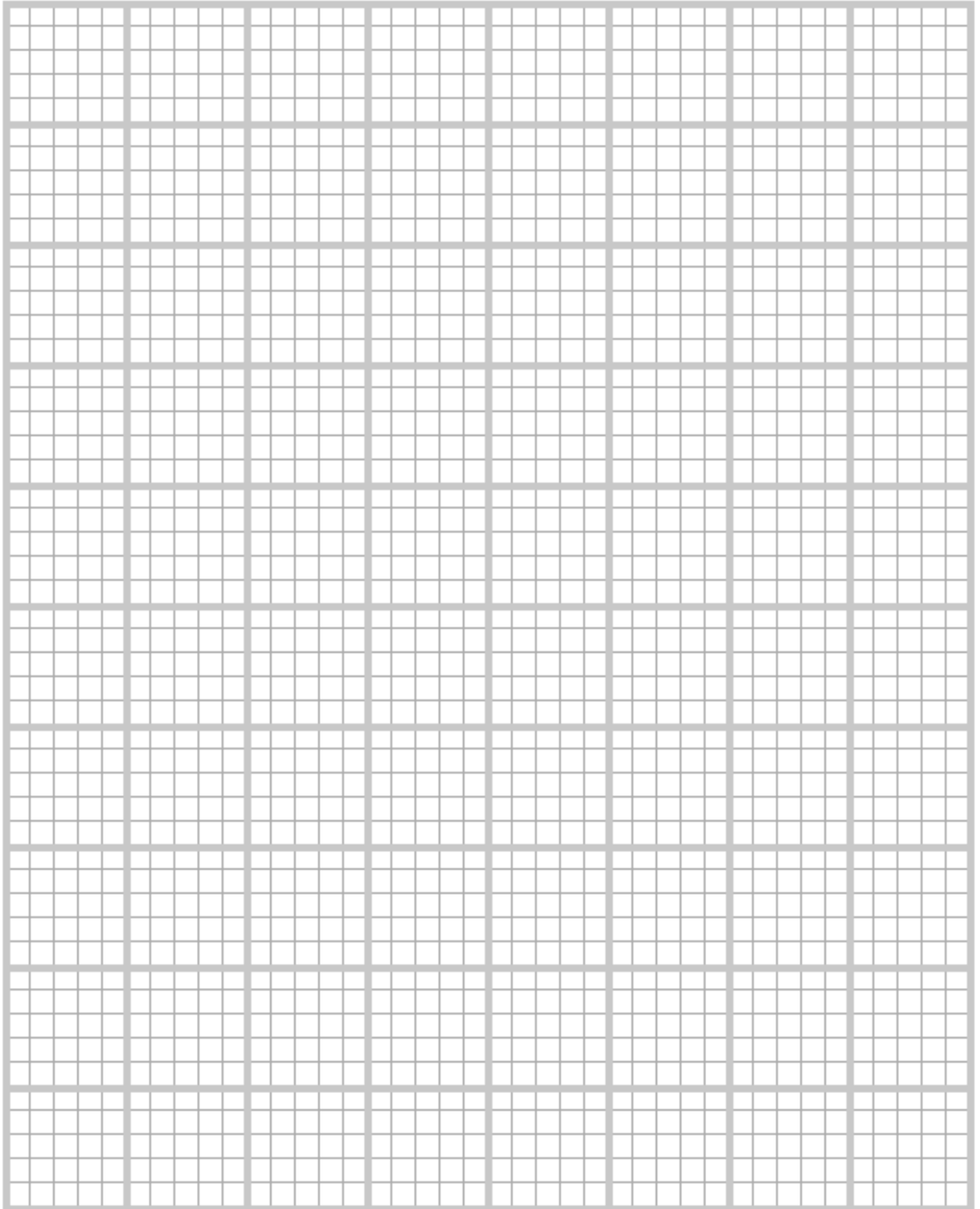
\* Note: A permit is required to discharge to a Consolidated Diking Improvement District #1 (CDID#1) waterway (open water ditch or drain). Contact CDID#1 at 360-423-2493 or see [www.cdid1.org](http://www.cdid1.org) for more information.

### 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 (stock details are acceptable).

**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 County 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 Certified Erosion and Sediment Control Lead (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

