



# TARGETED STORMWATER SITE PLAN SUBMITTAL CHECKLIST FOR PROJECTS VESTED ON OR AFTER JANUARY 22, 2016

Please attach a copy of this checklist to the Drainage Review Submittal Form

**General Project Information**

Project Name: \_\_\_\_\_

Applicant's Name: \_\_\_\_\_

Project File Number (PFN): \_\_\_\_\_

**Fees**

\_\_\_\_\_1. Drainage and other applicable fees per SCC 30.86.510, SCC 30.86.515 and SCC 30.86.710

**Required Reports, Narratives (3 copies of reports are required)**

Drainage reports shall be stamped by an engineer, when required.

- \_\_\_\_\_1. Targeted Stormwater Site Plan Drainage Report including:
  - Executive summary of the drainage plan (See Attachment A) and Drainage Information Summary Form (Required when phasing a full stormwater site plan - See Attachment B)
  - Stormwater Site Plan Narrative addressing report information required by SCC 30.63A.400 and 30.63A.805 and any other information related to applicable minimum requirements of chapter 30.63A SCC and Drainage Manual Vol. I, Chap. 3 (See Attachment C)
  - Soil Management Plan Summary Form and Compost and topsoil calculation worksheet for a pre-approved (Soil) amendment rate, if Option 2 or 3 is selected for MR 5 compliance.
- \_\_\_\_\_2. Stormwater Pollution Prevention Plan (SWPPP) Narrative (SCC 30.63A.450(3))
- \_\_\_\_\_3. LID BMP Feasibility Analysis -or- MS4 determination (SCC 30.63A.210)
- \_\_\_\_\_4. Other reports required (for compliance with chapters 30.63A and 30.63B SCC, critical areas in chapters 30.62A, 30.62B and 30.62C SCC, as applicable

<b>Other reports:</b> (Snohomish County Drainage Manual, Vol. I, Chap.3)	
	Mitigation Report
	Geotechnical Report
	Soils Report
	Hydrogeologic Report
	Engineering geology report
	Liquefaction report
	Other:

## **Plan Specifications**

Plan specifications apply to the following projects: Planned Residential Developments (PRD), Single-Family Residences (SFRs)/Duplexes, all Subdivisions and road projects

**Plan sheet size:** Engineered plans shall be 24 by 36 inches or 22 by 34 inches per Engineering Design and Development Standards (EDDS) 10 - 02(A)(1). For single-family residences (SFRs)/duplexes, permit applications may be a minimum of 8½ by 11 inches and a maximum of 11 X 17 inches, if adequate details can be shown.

### **Plan Copies Shall Meet the Following Specifications:**

- a. Plan View:
  1. 1 inch = 50 feet for sites of five acres or less
  2. 1 inch = 100 feet for sites of more than five acres but less than twenty acres
  3. 1 inch = 200 feet for sites of more than twenty acres
- b. Details: 1 inch = 10 feet or 1 inch = 20 feet. Please choose the scale that will give the most information on the sheet selected. Individual details may require larger scales.
- b. Cross sections and profiles: Minimum 1 inch = 50 feet horizontal and 1 inch = 5 feet vertical. The ratio of the vertical to the horizontal scale shall be 1 inch V:10 feet H, except the bridge plans shall have horizontal and vertical scales of 1 inch = 20 feet.
- c. Overall Plan View: Indicate isolated enlargement of the site development area to be shown at another location or on a separate sheet, at a minimum scale of 1 **inch = 50 feet**.

**Targeted Stormwater Site Plan Sheets Required** (Single family residential: 3 sets of maps and plans. All other projects: 10 sets of maps and plans)\_Drainage plans shall be stamped by an engineer, when required.

- \_\_\_\_\_ 1. Existing conditions map and preliminary site layout (SCC 30.63A.400) (See Attachment D)
- \_\_\_\_\_ 2. Targeted Stormwater Site Plan (SCC 30.63A.805)
- \_\_\_\_\_ 3. Stormwater Pollution Prevention Plan (SWPPP) (SCC 30.63A.450)
- \_\_\_\_\_ 4. Mitigation Plan, when applicable (SCC 30.62A.150)
- \_\_\_\_\_ 5. Soil Management Plan for MR 5 (SCC 30.63A.525 for BMP T5.13 Post Construction Soil Quality and Depth) (See also Assistance Bulletin #94)

### **Items Required on All Plan Sheets - Required at Intake**

- \_\_\_\_\_ 1. Project file number (located in large, bold type in the lower right corner) – leave a placeholder at first submittal.
- \_\_\_\_\_ 2. Project title
- \_\_\_\_\_ 3. Sheet titles (Examples: “Existing Conditions”, “Preliminary Site Layout”, “Targeted Stormwater Site Plan,” “SWPPP”)
- \_\_\_\_\_ 4. Section, township, and range (located at the top of each sheet)
- \_\_\_\_\_ 5. Graphic scale clearly indicated on plan view
- \_\_\_\_\_ 6. North arrow clearly indicated on plan view
- \_\_\_\_\_ 7. Current engineer’s stamp, signature and date signed when required

**Items Required on Cover Sheets – Required at Intake**

- \_\_\_\_\_ 1. Items required on all sheets in the section above
- \_\_\_\_\_ 2. Owner and applicant's name, address, e-mail address and phone and fax numbers
- \_\_\_\_\_ 3. Contact person or agent's name, address, e-mail address and phone and fax numbers
- \_\_\_\_\_ 4. Engineer's name, address, phone number and e-mail address
- \_\_\_\_\_ 5. Certified Erosion and Sediment Control Lead's (CESCLs) contact information (sites >1 acre)
- \_\_\_\_\_ 6. Vicinity map with north arrow and scale
- \_\_\_\_\_ 7. Legal description of project site
- \_\_\_\_\_ 8. Site address, if available
- \_\_\_\_\_ 9. Property tax account number(s) of subject property and adjacent properties
- \_\_\_\_\_ 10. Sheet index including all sheets in the construction plan set
- \_\_\_\_\_ 11. Quantities in yards of earth moved (cut / excavation and fill amounts)
- \_\_\_\_\_ 12. Amounts of new, replaced and new plus replaced hard surfaces
- \_\_\_\_\_ 13. Extent of clearing in square feet or acres
- \_\_\_\_\_ 14. For large sites, show at least one sheet with full development

**Existing Conditions and Preliminary Site Layout Plan Sheet with Surveyed Information**  
**(See Attachment D)**

- \_\_\_\_\_ 1. Location of zoning (Title 30 SCC) and shoreline designations (if applicable) (chapter 30.44 SCC)
- \_\_\_\_\_ 2. Significant geographical features and existing contours (shown as dashed lines) 20-foot USGS quadrangle contour intervals. Projects going to Hearing Examiner: minimum 5-foot contour intervals, except for flat properties with less than 5 percent slope: 2-foot contour intervals
- \_\_\_\_\_ 3. Proposed contours (shown as solid lines) pursuant to the intervals stated above
- \_\_\_\_\_ 4. Acreage and boundaries of all drainage basins identified in the drainage report and offsite areas showing the location of sub-basins that correspond to the analysis for the site, as well as upstream and downstream areas.
- \_\_\_\_\_ 5. Existing surface stormwater drainage to and from the site to the natural receiving waters, or one quarter mile off-site, whichever is less.
- \_\_\_\_\_ 6. Location and type of soils (using soil survey maps from the Natural Resources Conservation Service or Soil Conservation Service) and vegetative cover, as well as the location of areas with high potential for erosion and sediment deposition (based upon soil properties, slope, etc.) before and after completion of clearing or grading (land disturbing activity) and soil log locations.
- \_\_\_\_\_ 7. Locations of all critical areas (chapters 30.62A, 30.62B, 30.62C and 30.65 SCC) including required buffers for each and
  - a. Wetlands and fish & wildlife habitat conservation areas within 300 feet of the site (SCC 30.62A.130);
  - b. Geologically hazardous areas on or within 200 feet of the site (SCC 30.62B.130);
- \_\_\_\_\_ 8. Flood hazard areas and Community Panel number of the Flood Insurance Rate Map
- \_\_\_\_\_ 9. Location of all existing native growth protection areas (NGPAs) or native growth protection areas easements (NGPAEs), and proposed critical area protection areas (CAPAs) (see SCC 30.62A.160), and required open space areas, tracts or easements, if applicable

- \_\_\_\_\_ 10. Boundaries of site disturbance or land disturbing activity (clearing, grading, hard surface area) (Chapter 30.63B SCC). Identification of areas of hard surface and areas to be cleared in square feet or acres.
- \_\_\_\_\_ 11. Location of vegetative cover, open space, tree retention and replacement areas, if applicable
- \_\_\_\_\_ 12. Datum and note on benchmark used, tied to Mean Sea Level (MSL), (NGVD 29) or (NAVD 88) with equation for MSL when required
- \_\_\_\_\_ 13. A survey showing existing structures within 15 feet of the subject properties boundaries (identify structure use) and property boundaries with bearings and distances and ties to controlling corners, or subdivision corners.
- \_\_\_\_\_ 14. Location, size and type of all existing structures, hard surface areas, drainage facilities, stormwater facilities and BMPs, and those within 15 feet of the site wells, drain fields, drain field reserve areas, roads, and utilities on the site and adjacent on-and off-site utilities, and setbacks, when applicable.
- \_\_\_\_\_ 15. Building setback lines, if previously established and required or proposed setback lines. For plats and short plats, building setback lines (chapter 30.23 SCC) are not required to be shown
- \_\_\_\_\_ 16. Location, size and type of all proposed structures, hard surface areas, drainage facilities, stormwater facilities, and LID BMPs, wells, drainfields, drainfield reserve areas, roads and parking lots, and utilities on the site and adjacent on-and off-site utilities, and setbacks, when applicable.
- \_\_\_\_\_ 17. Location of all landscaping areas, including tree retention and replacement areas
- \_\_\_\_\_ 18. When applicable, drainfields, and drainfield reserve areas and setbacks located within 100 feet of the proposed development.
- \_\_\_\_\_ 19. Routes of existing drainage courses, construction pipes, ditches and future flows at all discharge points
- \_\_\_\_\_ 20. Pre-existing drainage pattern(s), (i.e., ditch lines, culverts, catch basins, french drains, and surface drainage or sheet flows)
- \_\_\_\_\_ 21. Post- development drainage patterns Including pipe and stream flow directions with arrows. Show flow directions in swales with notes, broad drainage course and when needed, show sheet flows areas with notes.
- \_\_\_\_\_ 22. Location of all property boundaries, easements, lakes, streams, creeks and structures on-site and within 15 feet of site boundaries (Show structures that are farther if they will be affected by the construction).

**Targeted Stormwater Site Plan: Permanent Stormwater Control Plan Sheet**

The Targeted Stormwater Site Plan (SCC 30.63A.805) must comply with chapter 30.63A including MRs 1-5 and any other applicable minimum requirement as determined by the MR 1 site planning process

- \_\_\_\_\_ 1. Items on existing conditions and preliminary layout
- \_\_\_\_\_ 2. Show post development drainage patterns. Include pipe and stream flow directions with arrows. Show flow directions in swales with notes, broad drainage courses and when needed, sheet flow areas with notes.
- \_\_\_\_\_ 3. Show and clearly label the location of any existing and proposed stormwater conveyance system(s) labeling all pipes, culverts, catch basins, channels, swales, and other stormwater conveyance appurtenances

- \_\_\_\_\_ 4. Existing drainage patterns
- \_\_\_\_\_ 5. Location of stormwater entering and exiting the site in relation to proposed drainage facilities
- \_\_\_\_\_ 6. Location of area downstream of subject property for the entire flow path from the project site to the receiving water or up to one quarter mile, whichever is less.
- \_\_\_\_\_ 7. Location of area upstream of subject property which drains onto or through the site
- \_\_\_\_\_ 8. Location of roof downspout controls
- \_\_\_\_\_ 9. Location and extent of dispersion and soil quality BMPs
- \_\_\_\_\_ 10. Location of other types of on-site stormwater management and LID BMPs (SCC 30.63A.525)
- \_\_\_\_\_ 11. Location and size of energy dissipation outfalls
- \_\_\_\_\_ 12. Location of groundwater and vertical separation, when applicable (On-site Stormwater Management SCC 30.63A.525 (MR 5))
- \_\_\_\_\_ 13. Location and types of BMPs (including roof downspout control, dispersion and soil quality) used to infiltrate, disperse, and retain stormwater runoff on-site to the maximum extent feasible for non-pollution and pollution generating surfaces.
- \_\_\_\_\_ 14. Location of all LID facilities and LID BMPs, if applicable.

**When Site Planning Requires Additional Minimum Requirements and Phased Submittals of Full Stormwater Site Plans**

When a targeted stormwater site plan is submitted as the first phase of a full stormwater site plan, it shall address additional minimum requirements, as required, depending upon the result of the analysis required by MR 1. A targeted stormwater site plan shall address water quality treatment, flow control and wetlands protection pursuant to MR 6 (Water Quality Treatment SCC 30.63A.530), MR 7 Flow Control (SCC 30.63A.550) and MR 8 Wetlands Protection (SCC 30.63A.570) when applicable. In addition, applicants may submit a targeted drainage plan phase as a first phase to a full stormwater site plans pursuant to SCC 30.63A.820. A targeted stormwater site plan is required for projects which go before the Hearing Examiner.

**When applicable, the following items shall be shown on the Permanent Stormwater Control Site Plan:**

- \_\_\_\_\_ 1. Location and type of treatment facility selected, sized and designed in accordance with Volumes I and 5 of the Snohomish County Drainage Manual
- \_\_\_\_\_ 2. Flow control Discharge location(s)
- \_\_\_\_\_ 3. Location where project discharges stormwater directly or indirectly through a conveyance system into a fresh water system
- \_\_\_\_\_ 4. Location of flow control facilities and BMPs that will achieve flow control consistent with the Snohomish County Drainage Manual
- \_\_\_\_\_ 5. Parking lot ponding details, if applicable
- \_\_\_\_\_ 6. Locations where stormwater is discharged into a wetland or wetland buffer, either directly or indirectly, through a conveyance system.
- \_\_\_\_\_ 7. Location of the proposed flow control facilities and appurtenances, identification of basic measurements necessary to calculate the storage volumes available in live and dead storage, location of all orifice/restrictor sizes and head relationships, control structure/ restrictor placement, and placement on the site. (Flow Control System SCC 30.63A.430(3)(g) MR 7, when required)

- \_\_\_\_\_ 8. Location and description of the proposed treatment facilities, and any structural source control BMPs. The drawing shows overall measurements and dimensions, placement on the site, location of inflow, bypass, and discharge systems. Water Quality System, MR 6 (Runoff treatment , if proposed or when required)
- \_\_\_\_\_ 9. Detention performance chart to comply with MR 7 including amount of hard surface and LID credits taken, if applicable.

<b>Detention Performance Chart (sample)</b>							
<b>Storm</b>	<b>Volume Storage Requirements (Cu Ft)</b>				<b>Maximum Release Rates</b>		
	<b>Dead</b>	<b>Live</b>	<b>Designed</b>	<b>As-Built</b>	<b>Rate</b>	<b>Designed</b>	<b>As-Built</b>
2 YR							
50 YR							

- \_\_\_\_\_ 10. Design of LID stormwater facilities or LID BMPs, if applicable



**ATTACHMENT A**  
**DRAINAGE REPORT EXECUTIVE SUMMARY**  
**SCC 30.63A.440 and 30.63A.805**

An executive summary shall be included in the drainage report that explains how the proposal will comply with chapter 30.63A SCC (Drainage). It shall include a description of the drainage plan outlining how the plan complies with chapter 30.63A SCC (findings & conclusions). It must address the following:

- Drainage plan description, outline how the stormwater site plan concepts will comply with chapter 30.63A SCC including minimum requirements 1 - 5 and other applicable minimum requirements (findings & conclusions).
- Water quality measures being proposed, identified in the Stormwater Pollution Prevention Plan (SWPPP) and meeting Minimum Requirement 3 (Source Control).
- Describe the drainage basins, sub-basin design on-site and off-site, existing and proposed (refer to basin maps in the report).
- Describe sketch of the schematic drainage system design proposed for the development.
- Downstream analysis, summary of key issues and limitations.
- Upstream analysis, summary of key issues to be addressed.
- Detention or retention sizing and storage volume
- Conveyance sizing, if required

When site planning requires Minimum Requirement 6 (Runoff Treatment) Minimum Requirement 7 (Flow Control), or Minimum Requirement 8 (Wetlands Protection):

- List all stormwater treatment BMPs to meet Minimum Requirement 6 (Runoff Treatment).
- List all flow control facilities and/or land use management BMPs to meet Minimum Requirement 7 (Flow Control).
- Description of how MR 8 will be met if required by project scope



**ATTACHMENT B**  
**DRAINAGE INFORMATION SUMMARY FORM**  
 Required for projects vested on or after January 22, 2016  
 Please submit with phased full stormwater site plans that require MR 7 Flow Control

Project Total Area: \_\_\_\_\_

Project Development Area: \_\_\_\_\_

Number of Lots (if applies): \_\_\_\_\_

**Summary Table**

Drainage Basin Information	Individual Basin Information			
	A	B	C	D
On-Site Sub-basin Area (acres)				
Type of Storage Proposed				
Approx. Live Storage Volume (cu. ft.)				
Approx. Dead Storage Volume (cu. ft.)				
Soil Type(s) (Natural Resource Conservation Service)				
<b>Pre-developed Runoff Rates</b>				
Q (cfs.)            2 yr.				
10 yr.				
50 yr.				
Redevelopment Area				
<b>Post-development Runoff Rates (without quantity controls)</b>				
Q (cfs.)            2 yr.				
10 yr.				
50 yr.				
<b>Post-development Runoff Rates (with quantity controls)</b>				
Q (cfs.) (8-50%)    2 yr.				
10 yr.				
50 yr.				
<b>Offsite Upstream Area</b>				
Number of acres				
<b>Offsite Downstream Flow</b>				
Q (cfs)            50 yr				

Note: Entire form must be included in the stormwater site plan narrative.





**ATTACHMENT C**  
**TARGETED STORMWATER REPORT DETAIL SUMMARY**

The following summary is provided as a guide to submitting reports and plans that will meet code requirements. Compliance items are summarized, please see chapter 30.63A SCC for complete code requirements and Snohomish County Drainage Manual 2016.

**Targeted Stormwater Site Plan Report (Narrative) Details**

<b>MR 1 – Targeted Stormwater Site Plan Narrative</b> (SCC 30.63A.400 and 30.63A.805 and various volumes of the Snohomish County Drainage Manual):	
	<p><b>Project Overview and Executive Summary</b> (SCC 30.63A.440 and 30.63A.805(1) including a description of the drainage plan outlining how the plan complies with the code (findings &amp; conclusions). It must address the following:</p> <ul style="list-style-type: none"> <li>• Water quality measures being proposed, identified in the Stormwater Pollution Prevention Plan (SWPPP) and meeting Minimum Requirement 3 (Source Control).</li> <li>• Describe the drainage basins, sub-basin design on-site and off-site, existing and proposed (refer to basin maps in the report).</li> <li>• Describe sketch of the schematic drainage system design proposed for the development.</li> <li>• Downstream analysis, summary of key issues and limitations.</li> <li>• Upstream analysis, summary of key issues to be addressed.</li> <li>• Detention or retention sizing and storage volume using continuous runoff model, if required.</li> <li>• Conveyance sizing, if required.</li> <li>• List all stormwater treatment BMPs to meet Minimum Requirement 6 (Runoff Treatment).</li> <li>• List all flow control facilities and/or land use management BMPs to meet Minimum Requirement 7 (Flow Control).</li> </ul>
	<p><b>Existing Conditions Summary</b> including:  Information on the existing site conditions, including topography, drainage patterns, soils, depth to groundwater or impermeable layer, ground cover, presence of any critical areas, adjacent areas, existing development, existing stormwater facilities, and adjacent on- and off-site utility facilities. Soil analyses shall include particle size distribution, cation exchange capacity, and organic content, determined in accordance with test methods set forth in volume V, chapter 5 of the Drainage Manual. Description of site limitations including areas with high potential for erosion and sediment deposition (based upon soil properties, slope, etc.); critical areas; landscaping, tree retention, replacement areas, open space, tracts, easements, etc.</p>
<b>Off-site Analysis and Mitigation</b>	
	<p>Include tabulations of the totals of hard surfaces, pollution-generating impervious surfaces, and pollution-generating pervious surfaces for each threshold discharge area for which on-site stormwater management BMPs are the sole stormwater management approach.</p>
<b>Upstream Analysis</b>	
	<p>Provide the upstream and downstream analysis that evaluates potential drainage impacts, and calculates the area of land and drainage flow to the site. The analysis shall include proposed mitigation for all significant drainage impacts from the development or redevelopment activity identified in the upstream analysis.</p>
<b>Downstream Analysis</b>	
	<p>Provide a downstream analysis consistent with Volume I, Chapter 3 of the Drainage Manual and assesses the area downstream of the subject property <b>for the entire flow path from the project site to the nearest receiving water or up to one quarter mile whichever is less.</b></p>
	<p>Evaluate potential downstream drainage impacts as well as the adequacy of the downstream drainage facilities to accommodate flows from the development activity and all other upstream sources identified by the threshold discharge area (SCC Figure 30.91T.054B)</p>
	<p>The analysis shall include proposed mitigation above for all significant drainage impacts from the development or redevelopment activities identified in the downstream or upstream analysis.</p>

	Describe the downstream conditions and a computation of the adequacy of downstream conveyance systems in accordance with SCC 30.63A.730.
	Describes problems identified in the Drainage Needs Report (DNR) or equivalent studies, and in the department of public works' surface water management, complaint database, shall be documented and mitigated as needed.
	Documentation of a visual inspection of the condition of the downstream drainage system including photographic documentation to verify that it will function in accordance with the downstream analysis.
	Evaluate the potential impacts of the new development activity to the downstream area beyond one quarter mile if the analysis finds that flooding of buildings, structures, or public roads has the potential to occur, or that significant critical area impacts may occur within one quarter mile downstream of the property or to the nearest receiving water, whichever is less.
	The proposed drainage facilities are designed so that stormwater enters and exits the site at the existing location(s) of entry and exit.
<b>MR 2 – SWPPP Narrative</b> (SCC 30.63A.450 and Volume II, Chapter 3 of the Snohomish County Drainage Manual)	
The SWPPP narrative shall describe how each of the 13 applicable SWPPP elements has been addressed. The standard SWPPP format for narratives is available on the Washington State Department of Ecology website.	
<b>MR 3 Water pollution source control for new development</b> (SCC 30.63A.515 and Volume IV, Chapters 3, 4 and 5 of the Snohomish County Drainage Manual)	
Describe the selection, design and construction of source control BMPs that will be used pollution generating activities or uses during construction and on the developed site following construction.	
<b>MR 4 Preservation of natural drainage systems and outfalls, and provisions of off-site mitigation</b> (SCC 30.63A.520 and Volume I, Chapter 3 of the Snohomish County Drainage Manual)	
Describe how discharges to the site will occur to the maximum extent possible and how energy dissipation is provided in accordance with the Snohomish County Drainage Manual and the EDDS. Describe runoff discharge and any required mitigation for off-site drainage impacts	
<b>MR 5 – On-site Stormwater Management</b> (SCC 30.63A.525; Volume I, Chapters 2 and 4; Volume III, Chapter 3; and Volume V, Chapter 5 of the Snohomish County Drainage Manual)	
	Describe the LID BMP selection process including List 1 or List 2 from the Drainage Manual.
	Describe the location and types of BMPs (including roof downspout control, dispersion and soil quality) selected to infiltrate, disperse, and retain stormwater runoff on-site to the maximum extent feasible for non-pollution and pollution generating surfaces.
	Discuss the soil management plan sheet and calculations for BMP T.5.13 Post Construction Soils Quality and Dept may be submitted – see PDS Bulletin Achieving the Post Construction Soil Standard
<b>MRs 6-9 must only be addressed in a Targeted Stormwater Site Plan if they are determined to be applicable in the MR 1 site planning analysis or for specific project proposals (such as detention proposed in wetlands)</b> <b>Check Yes if Applicable</b>	
Yes <input type="checkbox"/> No <input type="checkbox"/> <b>MR 6 Run-off Treatment Requirements</b> (SCC 30.63A.530 and Volume V of the Snohomish County Drainage Manual)	
	Identify the threshold treatment areas and the type of treatment facility proposed to meet run-off treatment requirements and document how the facility was selected, sized and designed and will be maintained in accordance with the Snohomish County Drainage Manual.
	Describe how the facility achieves the applicable performance goal at the water quality design flow rate.
	If an alternative design flow rate used, describe its equivalency.
	When applicable describe drainage into Blackman's, Loma, Sunday or Ketchum Lakes.
	Describe treatment system(s) indicating enhanced, basic, phosphorous, oil
	Address the water quality design flow rate.
	Address compliance with requirements for stormwater discharge from pollution generating

	impervious surface.
Yes <input type="checkbox"/> No <input type="checkbox"/>	<b>MR 7 – Flow Control</b> (SCC 30.63A.550, Volume I, Appendix I-E and Volume III of the Snohomish County Drainage Manual)
	Discharge areas and discharge points are identified and analyzed.
	Describe project stormwater discharges when discharges are directly or indirectly proposed through a conveyance system into a fresh water system.
	If the project requires construction of flow control per Table 30.63A.555, it is described.
	Compliance with on-site stormwater management requirements in MR 5 is described.
	Flow control facilities and/or land use BMPs that will achieve flow control are identified.
	Flow control in parking lots is described.
Yes <input type="checkbox"/> No <input type="checkbox"/>	<b>MR 8 – Stormwater discharges to wetlands</b> (SCC 30.63A.570 and Volume I, Chapter 2 and Volume I, Appendix I-D of the Snohomish County Drainage Manual)
	A hydrologic analysis is provided that documents the existing hydrologic conditions and compliance with SCC 30.63A.570 and Volume I, Appendix I-D of the Snohomish County Drainage Manual.
	Compliance with and documentation of the runoff treatment criteria and requirements in MR 6 in chapter 30.63A.530 SCC is documented.
	Compliance with the requirements and criteria in SCC 30.63A.570 are documented regarding discharge of stormwater into a wetland or wetland buffer, either directly or indirectly, through a conveyance system.
	The location of stormwater treatment and flow control facilities are described.
	Mitigation is addressed for loss of wetlands.

**Stormwater Pollution Prevention Plan (SWPPP) - MR 2**

(SCC 30.63A.445 - .450 and Volume II, Chapter 3 of the Snohomish County Drainage Manual)

The Stormwater Pollution Prevention Plan must show the BMPs selected to comply with comply with the detailed SWPPP submittal checklist in the Snohomish County Drainage Manual. Unless site conditions render the element unnecessary, and the applicant must written justification in the SWPPP narrative that the element is not applicable to the site or project. The following SWPPP elements shall be considered in the development of a construction SWPPP and must be shown on the SWPPP when applicable:

- \_\_\_\_\_ 1. Construction sequence
- \_\_\_\_\_ 2. CESCL information appears on all SWPPP sheets
- \_\_\_\_\_ 3. ELEMENT 1: Mark clearing limits
- \_\_\_\_\_ 4. ELEMENT 2: Establish construction access
- \_\_\_\_\_ 5. ELEMENT 3: Control flow rates
- \_\_\_\_\_ 6. ELEMENT 4: Install sediment controls
- \_\_\_\_\_ 7. ELEMENT 5: Stabilize soils
- \_\_\_\_\_ 8. ELEMENT 6: Protect slopes
- \_\_\_\_\_ 9. ELEMENT 7: Protect drain inlets
- \_\_\_\_\_ 10. ELEMENT 8: Stabilize channels and outlets
- \_\_\_\_\_ 11. ELEMENT 9: Control pollutants
- \_\_\_\_\_ 12. ELEMENT 10: Control de-watering
- \_\_\_\_\_ 13. ELEMENT 11: Maintain BMPs
- \_\_\_\_\_ 14. ELEMENT 12: Manage the project.
- \_\_\_\_\_ 15. ELEMENT 13: Protect on-site stormwater management BMPs for runoff from roofs and other hard surfaces



**ATTACHMENT D**  
**PRELIMINARY DEVELOPMENT LAYOUT GUIDELINES**  
(Snohomish County Drainage Manual, Volume 1, Chapter 3, Section 3.2)

The preliminary layout shall reflect the following design principles:

- Project fits development to the terrain to minimize land disturbance
- Project confines construction activities to the minimum area necessary, and away from critical areas
- Project preserves areas with natural vegetation (especially forested areas) as much as possible
- When project is located on sites with a mix of soil types, locate new hard surface areas and structures over less permeable soil (e.g. till), and try to restrict development and land disturbing activities over more porous soils (e.g. outwash)
- Project clusters buildings together
- Project minimizes impervious areas
- Project maintains and utilizes natural drainage patterns
- Submittal demonstrates how the BMPs and drainage facilities fit within and serve the entire preliminary development layout
- Submittal demonstrates how reducing the need for constructed stormwater facilities was considered
- Submittal demonstrates consideration of how reducing the amount of effective impervious surfaces through implementation of LID BMPs results in reduced sizing of constructed stormwater facilities
- Submittal demonstrates how areas left undisturbed in the preliminary development layout may be increased to meet site planning criteria that would favor low impact development

**AUTHORITY:** Snohomish County Code 30.70.030 authorizes the Director of Planning and Development Services to establish and revise submittal requirements for all permit applications. These requirements are hereby established as shown above, and shall be on file with the department. Due to site-specific circumstances, the Director or his designee may waive individual requirements on a case-by-case basis.