

Exhibit A - Kitsap County Small Commercial/Industrial Site Centralized Detention Verification Checklist

Purpose: This checklist is designed to determine whether underground detention is the only available flow control strategy available to a permit applicant to comply with the requirements Kitsap County Code section 12.18.110 for commercial/industrial project sites that disturb less than one acre of land and are not part of a larger scale of development that disturbs one acre of land or greater.

Checklist Use: The project designer must verify that the listed alternative stormwater control methods are not technically feasible for the project site, alone or in combination, to a degree that would substantially reduce the required underground detention. Each item checked requires back up technical information to the particular feasibility constraint exists.

If any feasibility constraint for a given alternative applies (box checked) then the alternative is not feasible and the points listed for that alternative are added to the project point total. If the project point total is greater than or equal to 30 points then Kitsap County Code section 12.18.120B applies for the project.

Alternative	Points	Feasibility Constraints	Notes
Infiltration	15	<input type="checkbox"/> The minimum vertical separation from the bottom of the facility to the underlying water table, bedrock, or other impermeable layer cannot be achieved. <input type="checkbox"/> Geotechnical evaluation recommends infiltration NOT be used anywhere within project site. (attach report) <input type="checkbox"/> Project within a Geologically hazardous area or its associated buffers and setbacks as defined by KCC 19.400. Infiltration area cannot be placed such that it will not lead to slope instability. <input type="checkbox"/> Native soil infiltration rate is less than 0.25 inches/hr for decentralized infiltration or less than 2.0 inches/hr for centralized infiltration. <input type="checkbox"/> Project site in or adjacent to a known contaminated site or unlined landfill, where infiltration would be in violation of KCHD code. <input type="checkbox"/> Site design can only accommodate infiltration up gradient of on-site sewage system drain field or drinking source, in violation of KCHD design standards.	Chapters 5.1 & 7.3 of KC Stormwater Design Manual See Kitsap LID Guidelines Appendix E for soil infiltration testing. See KCHD Solid Waste Regulations Ordinance 2004-2 Chapter 5.1.1 (E) of Kitsap Stormwater Design Manual
Bioretention Facilities	5	<input type="checkbox"/> Site design cannot accommodate bioretention areas. <input type="checkbox"/> Slope constraint <input type="checkbox"/> Impermeable layer constraint <input type="checkbox"/> Other (specify).	See Kitsap LID Chapter 6, Bioretention

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Permeable Pavement	5	<input type="checkbox"/> Site design cannot accommodate permeable pavement <input type="checkbox"/> Slope constraint <input type="checkbox"/> Impermeable layer or water table constraint <input type="checkbox"/> High pollutant potential <input type="checkbox"/> Proximity to high sediment loading <input type="checkbox"/> Other (specify) <input type="checkbox"/> Project site in or adjacent to a known contaminated site or unlined landfill, where infiltration would be in violation of KCHD code.	<p>See Kitsap LID Chapter 6, permeable pavement</p> <p>See KCHD Solid Waste Regulations Ordinance 2004-2</p>
Dispersion	5	<input type="checkbox"/> Site cannot accommodate required dispersion lengths. <input type="checkbox"/> Project within a geologically hazardous area or its associated buffers and setbacks as defined by KCC 19.400. Dispersion area cannot be placed such that it will not lead to slope instability. <input type="checkbox"/> Geotechnical evaluation recommends dispersion NOT be used anywhere within project site. (Attached report) <input type="checkbox"/> Project site in or adjacent to a known contaminated site or unlined landfill, where dispersion may be in violation of KCHD code. <input type="checkbox"/> Site design can only accommodate dispersion up gradient of on site sewage system drain field or drinking source, in violation of KCHD design standards.	<p>See Department of Ecology's Western Washington Stormwater Design Manual (2005) BMP T5.10, T5.11, T5.12 of Volume V.</p> <p>See Kitsap LID Guidance Manual Table 5.2</p> <p>See KCHD Solid Waste Regulations Ordinance 2004-2</p> <p>Chapter 5.1.1(E) of Kitsap Stormwater Design Manual</p>
Tree Credits	2	<input type="checkbox"/> No Trees Exist on the Project Site <input type="checkbox"/> New and/or replaced impervious surfaces not proposed within 20 feet of existing trees <input type="checkbox"/> Site design cannot accommodate space necessary for mature height, size, and/or rooting depth	<p>See Kitsap LID Guidance Manual Table 10.1 & Tree Credits Specifications</p>
Green Roof	3	<input type="checkbox"/> Project does not propose new or replaced buildings <input type="checkbox"/> Roof design has a slope greater than 2.5:12 (20 percent) <input type="checkbox"/> Building cannot be technically designed to accommodate structural load of green roof.	
Rainwater Harvesting	3	<input type="checkbox"/> Intended site use will not use enough rainwater to offset detention. <input type="checkbox"/> Use of rainwater harvesting on project site will violate a KCHD code.	
Project Point Total		If Greater than or equal to 30, Kitsap County Code section 12.18.120B applies to the project	