**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.

<table>
<thead>
<tr>
<th>Alternative</th>
<th>Points</th>
<th>Feasibility Constraints</th>
<th>Notes</th>
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</table>
| Infiltration     | 15     | □ The minimum vertical separation from the bottom of the facility to the underlying water table, bedrock, or other impermeable layer cannot be achieved.  
□ Geotechnical evaluation recommends infiltration NOT be used anywhere within project site. (attach report)  
□ 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.  
□ Native soil infiltration rate is less than 0.25 inches/hr for decentralized infiltration or less than 2.0 inches/hr for centralized infiltration.  
□ Project site in or adjacent to a known contaminated site or unlined landfill, where infiltration would be in violation of KCHD code.  
□ 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      | □ Site design cannot accommodate bioretention areas.  
□ Slope constraint  
□ Impermeable layer constraint  
□ Other (specify). | See Kitsap LID Chapter 6, Bioretention |
### Exhibit A - Kitsap County Small Commercial/Industrial Site
Centralized Detention Verification Checklist

| Permeable Pavement | 5 | ☐ Site design cannot accommodate permeable pavement  
☐ Slope constraint  
☐ Impermeable layer or water table constraint  
☐ High pollutant potential  
☐ Proximity to high sediment loading  
☐ Other (specify)  
☐ Project site in or adjacent to a known contaminated site or unlined landfill, where infiltration would be in violation of KCHD code. | See Kitsap LID Chapter 6, permeable pavement  
See KCHD Solid Waste Regulations Ordinance 2004-2 |
|---------------------|---|---------------------------------------------------------------|--------------------------------------------------|
| Dispersion | 5 | ☐ Site cannot accommodate required dispersion lengths.  
☐ 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.  
☐ Geotechnical evaluation recommends dispersion NOT be used anywhere within project site. (Attached report)  
☐ Project site in or adjacent to a known contaminated site or unlined landfill, where dispersion may be in violation of KCHD code.  
☐ Site design can only accommodate dispersion up gradient of on site sewage system drain field or drinking source, in violation of KCHD design standards. | See Department of Ecology's Western Washington Stormwater Design Manual (2005) BMP T5.10, T5.11, T5.12 of Volume V.  
See Kitsap LID Guidance Manual Table 5.2  
See KCHD Solid Waste Regulations Ordinance 2004-2  
Chapter 5.1.1(E) of Kitsap Stormwater Design Manual |
| Tree Credits | 2 | ☐ No Trees Exist on the Project Site  
☐ New and/or replaced impervious surfaces not proposed within 20 feet of existing trees  
☐ Site design cannot accommodate space necessary for mature height, size, and/or rooting depth | See Kitsap LID Guidance Manual Table 10.1 & Tree Credits Specifications |
| Green Roof | 3 | ☐ Project does not propose new or replaced buildings  
☐ Roof design has a slope greater than 2.5:12 (20 percent)  
☐ Building cannot be technically designed to accommodate structural load of green roof. |  |
| Rainwater Harvesting | 3 | ☐ Intended site use will not use enough rainwater to offset detention.  
☐ 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 |  |