

Stormwater Assessment Report

Project: _____

Owner/Developer: _____

Consultant: _____

<u>Assessment Item</u>	<u>Anticipated Engineering Effort</u>		
	<i>Minor</i>	<i>Moderate</i>	<i>Significant</i>
1. Soils - On-site soils have low permeability, high water table, or other limitations that could adversely affect adequate stormwater management for the proposed project.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Runoff Potential - Change in land cover due to removal of trees, increases in impervious cover, etc. could adversely affect adequate stormwater management for the proposed project.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Water Resource Protection - Site conditions may adversely affect runoff reduction and/or pollutant loading reductions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Sump Conditions - Existing topography of site creates depressional areas (closed 2' contours) where runoff tends to collect without direct discharge.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Discharge Points - Areas where stormwater runoff leaves the site have limitations due to low gradient, backwater effects, lack of a defined channel or other hydraulic limitations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Off-Site Drainage - Areas draining into the site could adversely affect adequate stormwater management for the proposed project.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Conveyance - Downstream conditions such as inadequate pipe or channel capacity could limit adequate drainage from the site.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mitigation under consideration for "Significant" ratings:			
<input type="checkbox"/> Over-management			
<input type="checkbox"/> Off-site improvements			
<input type="checkbox"/> Easement(s)			
<input type="checkbox"/> Offset Option			

Reporting Agency: _____

Contact Person: _____

Date of Project-Application Meeting: _____

Assessment Item	Rating Criteria		
	<i>Minor</i>	<i>Moderate</i>	<i>Significant</i>
1. Soils - On-site soils have low permeability, high water table, or other limitations that could adversely affect adequate stormwater management for the proposed project.	<15% of developed portion of the site has soils with limitations to development (i.e. high water table, erosivity, excavations)	15% - 50% of developed portion of the site has soils with limitations to development (i.e. high water table, erosivity, excavations)	>50% of developed portion of the site has soils with limitations to development (i.e. high water table, erosivity, excavations)
2. Runoff Potential - Change in land cover due to removal of trees, increases in impervious cover, etc. could adversely affect adequate stormwater management for the proposed project.	<25% existing woods/meadow to be disturbed OR <25% proposed impervious area	25%-50% existing woods/meadow to be disturbed OR 25%-50% proposed impervious area	> 50% existing woods/meadow to be disturbed OR > 50% proposed impervious area
3. Water Resource Protection - Site conditions may adversely affect runoff reduction and/or pollutant loading reductions.	<15% of developed portion of the site has RR Feasibility rating of Low or Low-Mod OR For areas not mapped for RR Feasibility, <15% of developed portion of site has water table <36" (90cm) or HSG "C" or "D" soils	15% - 50% of developed portion of the site has RR Feasibility rating of Low or Low-Mod OR For areas not mapped for RR Feasibility, 15% - 50% of developed portion of site has water table <36" (90cm) or HSG "C" or "D" soils	>50% of developed portion of the site has RR Feasibility rating of Low or Low-Mod OR For areas not mapped for RR Feasibility, >50% of developed portion of site has water table <36" (90cm) or HSG "C" or "D" soils
4. Sump Conditions - Existing topography of site creates depressional areas (closed 2' contours) where runoff tends to collect without direct discharge.	0% of site area drains to sump areas	≤50% of site area drains to sump areas	>50% of site area drains to sump areas
5. Discharge Points - Areas where stormwater runoff leaves the site have limitations due to low gradient, backwater effects, lack of a defined channel or other hydraulic limitations.	Zero (0) site discharge points with identified problems	At least one (1) site discharge point with an identified problem OR < 50% of site area drains to a discharge point with an identified problem	Multiple (more than 1) discharge point with an identified problem OR >50% of site area drains to a discharge point with an identified problem OR Lack of easements and/or alteration of drainage patterns could raise potential "right-to-discharge" issues.
6. Off-Site Drainage - Areas draining into the site could adversely affect adequate stormwater management for the proposed project.	<25% offsite area relative to site area draining onto site	25% - 50% offsite area relative to site area draining onto site	>50% offsite area relative to site area draining onto site
7. Conveyance - Downstream conditions such as inadequate pipe or channel capacity could limit adequate drainage from the site.	Zero (0) known historic drainage problems AND Zero (0) in-line structures prior to the 10% analysis point	At least one (1) known historic drainage problem OR At least one (1) in-line structure prior to the 10% analysis point	Multiple (more than 1) known historic drainage problems OR Multiple (more than 1) in-line structures prior to the 10% analysis point OR Stream channel condition degraded due to vegetation, slope, erosion, etc.

Assessment Item

Rating Value

1. Soils - On-site soils have low permeability, high water table, or other limitations that could adversely affect adequate stormwater management for the proposed project.

- 1.1 Hydric Soils (ac)
- 1.2 "Very limited" for embankments, dikes and levees (ac)
- 1.3 "Very limited" for excavated ponds due to depth to water table (ac)
- 1.4 "Very limited" for excavated ponds due to cutbanks cave (ac)
- 1.5 "Very limited" for pond reservoir areas (ac)
- 1.6 Soil "K-factor" > 0.30 (ac)
- 1.7 Drainage class "Poorly drained" or "Very poorly drained" (ac)
- 1.8 Hydrologic Soil Group "D" (ac)
- 1.9 Depth to water table < 100 cm (ac)
- 1.10 Flood frequency class "Frequent" or "Very frequent" (ac)
- 1.11 Ponding frequency class "Frequent" (ac)
- 1.12 "Very limited" for local roads and streets (ac)
- 1.13 "Very limited" for shallow excavations (ac)
- 1.14 "Very limited" for lawns and landscaping (ac)

Number	Yes/No	Acres	%

2. Runoff Potential - Change in land cover due to removal of trees, increases in impervious cover, etc. could adversely affect adequate stormwater management for the proposed project.

- 2.1 Existing wooded or meadow areas to be disturbed (ac)
- 2.2 Proposed impervious area (ac)

3. Water Resource Protection - Site conditions may adversely affect runoff reduction and/or pollutant loading reductions.

- 3.1 Site area with Runoff Reduction Feasibility rating of Low or Low-Mod
- 3.2 Site area with water table <36 inches (90cm)
- 3.3 Site area with HSG C or D soils

4. Sump Conditions - Existing topography of site creates depressional areas (closed 2' contours) where runoff tends to collect without direct discharge.

- 4.1 Site area that drains to sump (ac)

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5. Discharge Points - Areas where stormwater runoff leaves the site have limitations due to low gradient, backwater effects, lack of a defined channel or other hydraulic limitations.

- 5.1 Discharge points with identified problems (no.)
- 5.2 Site area that drains to discharge point with identified problem (ac)

6. Off-Site Drainage - Areas draining into the site could adversely affect adequate stormwater management for the proposed project.

- 6.1 Off-site areas draining onto site (ac)

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7. Conveyance - Downstream conditions such as inadequate pipe or channel capacity could limit adequate drainage from the site.

- 7.1 Known historic drainage problems (no.)
- 7.2 In-line structures between site and 10% analysis point (no.)
- 7.3 Stream channel condition degraded (yes/no)
