Stormwater Management Application Checklist

Project Name:_____

This checklist must accompany the

Stormwater / Erosion Control Application

For City Use Only

Permit Number:_____

Date Received:_____

Parcel Number: _____

Lot Size	Area of Disturbance	Increase in Impervious Area

Please check Appropriate box: I= Included, NA= Non-Applicable *(If "NA" is checked, an explanation must be entered)*

	Applicant			City	
Plan Requirement	**I**	**NA**	**Explanation/Location in Plan**	**I**	**NA**
1. Narrative describing the proposed project, including implementation schedule of designed practices	☐	☐			
2. Identification of the entity responsible for long-term maintenance of the project.	☐	☐			
3. Map showing drainage area for each watershed area.	☐	☐			
4. No increase in peak discharge for predeveloped 2-year 24-hour storm event, detaining the developed 10-year 24-hour events and safely pass the 100-year 24-hour storm through the site, including summary table. (Runoff rates in cubic feet per second).	☐	☐			
5. Engineered designs for all structural management practices.	☐	☐			
6. For new development, over 1-acre, and infill over 5-acres, trap 1-micron soil particle (80% reduction TSS) for the 1-year, 24 hour storm event.	☐	☐			
7. For redevelopment, over 1 acre, trap 1-micron soil particle (40% reduction TSS) for the 1-year, 24 hour storm event.)	☐	☐			
8. For infill development 1-5 acres , trap 1-micron soil particle (40% reduction TSS) for the 1-year, 24 hour storm event.)	☐	☐			
9. Provide calculations and outlet design to meet release rates at a non-erosive velocity.	☐	☐			
10. Direct all downspouts, driveways, and other impervious areas to pervious surfaces, where feasible.	☐	☐			
11. Inspection and maintenance plan for long term permanent stormwater management practices.	☐	☐			
a. Filters.	☐	☐			
b. Proprietary stormwater pollution separator units.	☐	☐			
c. Catch Basin sumps.	☐	☐			
d. Bio-filtration devices.	☐	☐			
e. Detention devices.	☐	☐			
f. Infiltration systems.	☐	☐			
g. Startup and shutdown procedures.	☐	☐			
h. Contingency plan in case of system failure.	☐	☐			
i. Inspection and cleaning schedule.	☐	☐			
j. Other.	☐	☐			
12. Complete site plan, calculations, and specifications for pre and post development including:	☐	☐			
a. Pre-existing peak flow rates.	☐	☐			
b. Post construction peak flow rates with no detention.	☐	☐			
c. Post construction peak flow rates with detention.	☐	☐			
d. Assumed curve numbers or runoff coefficients and applicable areas.	☐	☐			
e. Time of concentration calculations used in calculations.	☐	☐			
f. Roads.	☐	☐			

Stormwater Management Application Checklist

Project Name:_____

This checklist must accompany the

Stormwater / Erosion Control Application

For City Use Only

Permit Number:_____

Date Received:_____

Parcel Number: _____

g. Contours.	☐	☐			
h. Drainage patterns.	☐	☐			
i. Utilities.	☐	☐			
j. Stage-storage tables / curves for pond volumes and depth.	☐	☐			
k. Stage-discharge tables / curves for pond discharge rate.	☐	☐			
13. Site Plan to include:	☐	☐			
a. Property lines and lot dimensions.	☐	☐			
b. All buildings and outdoor uses, existing and proposed including all dimensions and setbacks.	☐	☐			
c. All public and private roads, interior roads, driveways and parking lots, showing traffic patterns and type of paving and surfacing material.	☐	☐			
d. All natural and artificial water features.	☐	☐			
e. Depth to bedrock.	☐	☐			
f. Depth to seasonal high water table.	☐	☐			
g. The extent and location of all soil types as described in the Sheboygan County soil survey, slopes exceeding 12% and areas of natural woodland or prairie.	☐	☐			
h. Existing and proposed contours.	☐	☐			
i. Elevations, sections, profiles and details as needed to describe all natural and artificial features of the project.	☐	☐			
j. Soil erosion control and overland runoff control measures, including runoff calculations as appropriate.	☐	☐			
k. Copies of permits or permit application required by DNR or DOC.	☐	☐			
l. Any other information necessary to reasonably determine the location, nature and condition or any physical or environmental features.	☐	☐			
m. Location and area of all proposed impervious surfaces.	☐	☐			
n. Limits of disturbed area.	☐	☐			
o. Protective area assessment in accordance with City of Sheboygan ordinance.	☐	☐			
p. Infiltration assessment in accordance with technical standard DNR 1002.	☐	☐			
q. Provide all calculations, area measurements and assumptions used in calculating runoff and TSS reductions.	☐	☐			
r. Detailed construction schedule.	☐	☐			

Summary Table for Runoff / Water Quality

	2-year Storm	10-year Storm	100-year Storm
Pre-developed Peak Flow (in cfs)			
Post-developed Peak Flow without detention (in cfs)			
Post-developed Peak Flow with Detention (in cfs)			

Stormwater Management Application Checklist

Project Name:_____

This checklist must accompany the

Stormwater / Erosion Control Application

For City Use Only

Permit Number:_____

Date Received:_____

Parcel Number: _____

Water Quality
Pound (#'s) Solids Generated

	Pounds of Solids Generated	Percent Reduction
Pre-Treatment		
Post-Treatment		

Narrative for NA items:

For SLAMM, use the following input data files:

Rainfall data:	Milwaukee, 1969 (Mar. 28-Dec. 6).
Pollutant Probability Distribution File:	WI_GEO01.ppd
Runoff Coefficient File:	WI_SL01.rsv
Particulate Solids Concentration File:	WI_AVG01.psc
Particulate Residue Reduction File:	WI_DLV01.prr
Street Delivery Parameter File:	
version 8.6	WI_STR03.std
version 8.7	WI_STR04.std
Particle Size Distribution:	Nurp.cpz

City of Sheboygan 24-hour rainfall totals for calculations:

2-year	2.70 inches
10-year	3.86 inches
25-year	4.66 inches
50-year	5.38 inches
100-year	6.24 inches