

C44 STORMWATER PLAN REVIEW CHECKLIST

The Project Manager or other Owner designee will serve as the Plan Reviewer. This checklist is to be completed by the Plan Reviewer on behalf of the Owner. The Plan Reviewer's role is to review the submitted plans to check for completeness and to complete this Checklist for documentation. The Plan Reviewer should check the plan submittal for each item in the checklist. The Plan Reviewer should then mark the appropriate response in the checklist (Included, Not Included & Required, or Not Applicable).

The architectural and/or engineering design professional is responsible for completeness and sufficiency of the plan's design aspects. The Tennessee NPDES Construction General Permit (CGP) states that the following persons may complete the Stormwater Pollution Prevention Plan (SWPPP): professional engineer, registered landscape architect, certified professional in erosion and sediment control, or TDEC Level II certified staff.

Items in this checklist identify the base requirements that are to be provided by the design professional.

GENERAL PLAN INFORMATION

Item No.	The following information must be provided to the Plan Reviewer for checking plan completeness. The Plan Reviewer will complete the checklist based on the submitted plans.
1	Project Name:
2	Plans Date:
3	Date Received:
4	Project Location:
5	Institution's MS4 Permit Status <div style="display: flex; justify-content: space-around; text-align: center;"> <div data-bbox="337 1184 610 1272"> Campus Has MS4 Permit <input type="checkbox"/> </div> <div data-bbox="719 1171 1032 1272"> Campus Is Co-Permittee with Another MS4 <input type="checkbox"/> </div> <div data-bbox="1092 1171 1417 1272"> Campus Not Required to have MS4 Permit <input type="checkbox"/> </div> </div>
6	If Campus Has MS4 Permit, Is Campus MS4 Permit Contact Listed in SWPPP? <div style="display: flex; justify-content: space-around; text-align: center;"> <div data-bbox="548 1356 589 1409"> Yes <input type="checkbox"/> </div> <div data-bbox="1141 1356 1182 1409"> No <input type="checkbox"/> </div> </div>
7	For Campuses with MS4 Permits, Campus MS4 Permit Contact Listed in SWPPP: For Campuses without an MS4 Permit, applicable Permit Entity and Contact:
8	Project Size (acres):
9	Disturbed Area (acres):
10	Plan Reviewer Name:
11	Plan Review Date:

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GENERAL PLAN INFORMATION

Item No.	Review Item	Included	Not Included & Required	Not Applicable
12	Topographic map of the project site including sufficient topography and structures to ascertain adjacent off-site drainage patterns.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	Existing contours and conditions (i.e., existing topography and showing the outline of existing structures and pavement indicating any pavement or structures to be removed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	Proposed contours and conditions (i.e. proposed topography tying into existing topography and showing the outline of proposed structures and pavement)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	Breakdown of existing and proposed impervious surfaces in table format. Note if the breakdown is final or subject to changes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	Locations of existing drainage ways such as ditches, pipes, streams, intermittent streams, wetlands, and wet weather conveyances, showing water quality buffers if applicable, within and adjacent to the property	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	Locations of utility, roadway, and drainage easements within the property	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	Designated floodways and floodplains, showing elevations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19	Approximate limits of proposed land disturbing activity (i.e. a boundary line encompassing the location(s) of the proposed land disturbance activity)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	Proposed drainage network	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21	Name(s) of receiving waters for stormwater discharges from site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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SWPPP REVIEW CHECKLIST

Item No.	Review Item	Included	Not Included & Required	Not Applicable
22	Statement in the SWPPP that addresses whether the receiving waters for stormwater discharges from the site are designated as Waters with Unavailable Parameters with a Total Maximum Daily Load (TMDL), exceptional TN water, or none of these.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23	List of stormwater outfalls along with the drainage area to each outfall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24	If an outfall has a drainage area over 10 acres (over 5 acres for outfalls draining to Waters with Unavailable Parameters or exceptional TN waters), the SWPPP must include engineering design of sediment basins or equivalent measures.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25	Written language describing the general timing for implementation of the control measures during construction activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26	The SWPPP should include a statement from the designer that states whether the site has steep slopes. Steep slopes are defined as natural or created slope of 35% grade or greater. A plan to address stabilization of the slope or portion of the slope that is 35% or greater is required.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27	An estimate of the site runoff coefficient after construction activities are completed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28	Design addressing how the post-construction runoff will be handled to prevent erosion at the permanent outfall and at receiving stream	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29	The estimated percentage of impervious areas before and after construction	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30	Soils information (referenced or summarized), including how the soil type affects the needed control measures and how the soil may affect the expected quality of site runoff	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31	Language regarding picking up litter, construction debris, and construction chemicals exposed to stormwater prior to anticipated storm events or before being carried off the site by wind or otherwise prevented from becoming a stormwater discharge pollutant.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32	A description of any anticipated alteration of surface waters (if any);	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
33	Includes the Aquatic Resource Alteration Permit (ARAP) number OR the tracking number of the ARAP or Section 401 Certification issued for the alteration (if any)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
34	The approximate size and location of surface waters or affected wetland acreage at the site (if any)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
35	A description of the protections employed to limit the disturbance (i.e., caution fence, clearly marked stream side buffer zones, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
36	SWPPP includes a copy of most recent Tennessee Permit No. TNR100000 ("General NPDES Permit For Discharges of Stormwater Associated With Construction Activities")	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
37	If stormwater quality treatment practices are included on the plans, include design and construction details.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
38	How many site assessments (maximum) will be required for this site? A site assessment must be conducted by a professional engineer, registered landscape architect, certified professional in erosion and sediment control, or a TDEC Level II certified staff.	_____		

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EROSION PREVENTION AND SEDIMENT CONTROL (EPSC)

PLANS REVIEW CHECKLIST

Item No.	Review Item	Included	Not Included & Required	Not Applicable
39	Plans stamped and certified by the professional engineer or registered landscape architect.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40	The erosion and sediment control plan has the appropriate minimum number of EPSC plan sheets. For site disturbances less than 5 acres, at least two stages must be identified and at least two separate EPSC plan sheets must be developed. The two stages for the EPSC plans show conditions and EPSC measures for (1) initial grading conditions and (2) final grading conditions. For site disturbances over 5 acres, at least three stages must be identified and at least three separate EPSC plan sheets must be developed. The three stages for the EPSC plans show conditions and EPSC measures for (1) initial grading conditions, (2) interim land disturbance activities and (3) final grading conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
41	Proposed erosion prevention & sediment control measures including calculations (TDEC Sediment and Erosion Control Handbook should be used as a reference for design).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
42	Proposed construction sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
43	Seeding specifications, including temporary and permanent seed, soil amendments, mulch, seeding schedule and/or sod specifications and planting schedule.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
44	Construction Exits at all points where construction traffic leaves the site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
45	Pollution prevention measures, such as concrete washout areas and debris/trash management practices.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
46	Note requiring temporary stabilization of disturbed soils in compliance with Section 3.5.3.2 of the Tennessee General NPDES Permit for Discharges of Storm Water Associated with Construction Activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
47	Water quality buffers along streams, 60' minimum for Waters with Unavailable Parameters and Exceptional TN Waters streams, 30' minimum for all others with exceptions based on averages and minimums as provided in the NPDES permit.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
48	Approximate slopes after major grading activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
49	Total area of soil disturbance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
50	An outline of areas not to be disturbed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
51	The location of major structural and nonstructural controls identified in the SWPPP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
52	The location of areas where stabilization practices are expected to occur	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
53	Identification of outfall points on the site plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
54	The locations of erosion prevention and sediment control measures shown on the plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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STORMWATER MANAGEMENT PLAN REVIEW CHECKLIST

Italicized items are recommended but not required unless specifically requested by the Owner.

Item No.	Review Item	Included	Not Included & Required	Not Applicable
55	Locations of proposed drainage network and supporting hydrologic/hydraulic calculations. <i>The design of minor stormwater management systems, defined as ditches, drains, pipes, etc., which collect the initial stormwater runoff shall be based on the 10-year storm frequency. The design of the major stormwater management system, defined as large storm sewers, major culverts, bridges, etc., which collect flow from the minor system shall be based on the 100-year storm frequency.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
56	<i>Proposed permanent stormwater quantity and quality management BMP(s)</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
57	<i>Where BMPs are employed that rely on infiltration as a primary mechanism, a geotechnical study will be required to verify infiltration rates.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
58	<i>Pre- and post-developed hydrologic and hydraulic stormwater runoff calculations must be provided which compare pre-development runoff rates to post-development runoff rates for the 2- through 100-year storm events. (Confirm the minimum year storm event.)</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
59	<i>Where an increase in the post-developed runoff rate is realized, a detailed downstream analysis may be required, along with the mitigation of any increase. Mitigation of increased flows can consist of onsite detention, longer onsite flow lengths, and/or infiltration. Meet applicable requirements of the High Performance Building Requirements (HPBr).</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
60	<i>If any permanent stormwater quality or quantity management practices are installed, include a Stormwater Operation & Maintenance Plan for all permanent stormwater management facilities to ensure their continued performance. These plans must identify the parts or components of the stormwater management facility that need to be maintained, the frequency of the needed maintenance activity, and the equipment and skills or training necessary to complete the maintenance. If the permanent stormwater practice is not a standard practice, the Designer must provide a practice-specific operation and maintenance plan.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
61	<i>Compliance with applicable MS4 requirements (e.g. Runoff Reduction Policy).</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Reviewer Comments and Notes

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The Plans Reviewer should contact the Design Professional to resolve any outstanding items that were missing in the Plan Submittal. Each contact should be documented on the Checklist.

Follow-up Contact(s) with the Design Professional

For campuses that hold a Stormwater Phase 2 MS4 Permit, the Plans Reviewer should contact the listed Campus MS4 Contact and document this contact on the Checklist. This notification allows the Campus MS4 Contact to understand the extent of the construction project.

Follow-up Contact with the Campus MS4 Permit Contact