



# REVIEW CHECKLIST for STORMWATER MANAGEMENT PLANS

Version: June 2020

Note: Plans must adhere to standards in the **Georgia Stormwater Management Manual (GSMM)** and the **Henry County Unified Land Development Code (ULDC)**. Below is a checklist of items which will be specifically identified; however the owner/developer is responsible for meeting all applicable local, state and federal regulations.

Yes No N/A

**Applicability**

- 1. **a.** New development or redevelopment that involves creation of at least 5000'sq of impervious
- b.** New development or redevelopment that involves one (1) acre or more
- c.** Land development activities that are smaller than the minimum applicability standards above, but is part of a larger common plan of development
- d.** Impervious area equal or less than 75% of the post-development site

**Administrative Information**

- 2. Statement of post-construction stormwater management system ownership is provided.
- 3. **Engineer's Affidavit** is included. (<http://www.co.henry.ga.us/Stormwater/TechnicalDocuments.shtml>)
- 4.a Floodplain statement referencing the **2006 FEMA FIRM** panel
- 4.b *And* the **Henry County Present/Future Conditions Floodplain Map** (<http://www.co.henry.ga.us/Stormwater/FloodplainResources.shtml>) is included.
- 5. Wetlands/state waters statement, both onsite and within 200' of site, is included.
- 6. The watershed in which project is located is stated.
- 7. The existing total and proposed new amount of impervious surface (in square feet) is provided.

**Unified Land Development Code (ULDC) Requirements**

- 8. A signed and notarized **operation and maintenance agreement** for the stormwater management system has been included (<http://www.co.henry.ga.us/Stormwater/technicaldocuments/stormwater-om-agreement.pdf>)
- 9. The site contains area of special flood hazard. If yes...   
  - a.** There is a floodplain management plan consistent with ULDC 3.01.02.B.
- 10. The site is located within the future conditions floodplain. If yes...   
  - a.** All conditions of ULDC 3.01.03.C are addressed.
  - b.** If necessary, an engineering study per ULDC 3.01.03.D is provided.
- 11. The site plan contains location of all streams (perennial and intermittent) on the property
- 12. Limits of buffers for both the 50' undisturbed and 25' impervious cover are delineated.

**Pond design - Use SCS Method**

1. Assume pre-developed condition always wooded
2. Show pre-developed condition (area, CN, Tc)
3. Show post-developed condition (area, CN, Tc)
4. Pre-developed condition runoff flow, for 1-, 2-,5-,10-,25-,50-,100-year storm
5. Post-developed by-pass condition flow, for 1-, 2-,5-,10-,25-,50-,100-year storm
6. Pond allowance outflow, for 1-, 2-,5-,10-,25-,50-,100-year storm
7. Post-developed pond inflow, for 1-, 2-,5-,10-,25-,50-,100-year storm
8. Post-developed pond outflow flow, for 1-, 2-,5-,10-,25-,50-,100-year storm
9. 1-year storm elevation in pond and flow for 1-year storm
10. Rip-rap design for 1-year storm
11. Water quality calculations (for 24 hours) and Water quality orifice design
12. Stormwater Quality Site Development Review Tool with at least 80% TSS removal
13. Top of berm is at least 1 foot higher than the 100-year storm (uncontrolled condition) elevation
14. Show water surface elevation for 1-, 2-, 5-, 10-, 25-, 50-, and 100-year storm, as well as top of berm on the outlet control structure
15. 10% Rule: A downstream peak flow analysis to the point in the drainage basin where the project area is 10% of the total basin area (include water surface elevation and flow for both pre-condition and post-condition)
16. Minimum 20' maintenance easement from a public ROW is included
17. Drainage basin maps

**Pipe design - Use Rational Method**

1. Pipe profile including the 25-year Energy grade line, pipe slope, invert elevations, etc
2. Pipe chart - refer to storm drain requirement

Prior to final plan approval:

Plans and hydrology report must be submitted on CD in PDF format

**NOTE PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY, AN ASBUILT OF THE SWMF AND AN ASBUILT HYDRO REPORT SHOWING DESIGN DATA AND AS-BUILT DATA MUST BE SUBMITTED AND APPROVED BY STORMWATER**

**APPROVED:**

Additional Comments:

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Figure 1 - Pond design table

Pond design					
Q (cfs)	Pre-developed condition flow: (4)	Post-developed bypass condition flow: (5)	Pond allowable outflow= (Pre-developed flow) - (Post-developed bypass flow): (6)=(4)-(5)	Post-Developed pond inflow: (7)	Post-Developed pond outflow: (8) <u><b>(8) &lt; (6)</b></u>
Q1					
Q2					
Q5					
Q10					
Q25					
Q50					
Q100					

Required during hydro study review

Figure 2 - 10% Rule table

10% Rule: (15)		
	Pre-condition	Post-condition
Point of Interest #1	WSE:	WSE:
	Q:	Q:
Point of Interest #2	WSE:	WSE:
	Q:	Q:
Point of Interest #3	WSE:	WSE:
	Q:	Q:
End of study point	WSE:	WSE:
	Q:	Q:

Required during hydro study review

Figure 3 - Hydro As-built table

Hydro As-built		
Q (cfs)	Designed Post-Developed pond outflow	As built Post-developed pond outflow
Q1		
Q2		
Q5		
Q10		
Q25		
Q50		
Q100		

Required for hydro as-built