Forsyth County Department of Engineering

STORMWATER MANAGEMENT REPORT CHECKLIST

PROJECT NAME _____

LDP# _____ **DATE REVIEWED** _____

REVIEWED BY _____

Cover:

_____ 1. Cover sheet shall bear the original seal and signature of a professional engineer licensed in the state of Georgia.

Introduction:

_____ 2. Provide a narrative that includes the following information:

- _____ a. Site location, acreage, and current and proposed land use
- _____ b. Offsite drainage areas
- _____ c. Project methodology, including water quality measures proposed

_____ 3. Provide a summary table for each discharge point

- _____ a. Storm event
- _____ b. Pre-developed flow rate
- _____ c. Developed flow rate
- _____ d. Allowable flow rate
- _____ e. Peak elevation in the stormwater facility
- _____ f. Developed velocity

Pre-developed Conditions:

_____ 4. Provide a drainage map with topography. Identify all drainage basins both onsite and offsite and identify points of analysis and time of concentration flow paths.

_____ 5. Provide weighted curve number calculations (based on GSMM Table 2.1.5-1) or for basins under 5 acres, weighted runoff coefficients (based on GSMM Table 2.1.4-2)

_____ 6. Provide time of concentration calculations in accordance with Section 2.1.5.6 of the Georgia Stormwater Management Manual. Time of concentration may include, but not be limited to, sheet flow, shallow concentrated flow, open channel or pipe flow.

_____ 7. Provide Summary of pre-developed flow rates. Rational method acceptable for site under 5 acres only.

Developed Conditions:

_____ 8. Provide developed site map with topography. Identify all drainage basins both onsite and offsite as well as the location of all stormwater management facilities.

_____ 9. Provide weighted curve number calculations.

_____ 10. Provide time of concentration calculations as outlined in the previous section.

_____ 11. Provide a spill prevention and containment plan for the proposed facility if applicable.

_____ 12. Provide details of all water quality facilities, including a planting plan if applicable.

_____ 13. Provide details of all proposed stormwater ponds. Provide a large scale grading detail which includes slopes, top of dam elevation and width, delineation of permanent pool and 100 year high water elevation, forebay(s), aquatic bench with aquatic vegetation specified, freeboard and fence location.

_____ 14. Provide detailed pre-developed hydrographs for the 1, 2, 10, 25 and 100 year storms.

_____ 15. Provide detailed developed conditions hydrographs and routings for the 1, 2, 10, 25 and 100 storms.

_____ 16. Provide stage/storage/discharge relationship for all stormwater facilities.

_____ 17. Provide details of all control structures.

_____ 18. Show details of trash rack or other anti clogging measures.

_____ 19. Provide design data for each stormwater facility as indicated on the Design Procedures Form provided in the Georgia Stormwater Management Manual.

_____ 20. Provide Water Quality Performance Review Tool, available at www.forsythco.com

_____ 21. Provide downstream analysis to the point at which the site area is equal to or less than 10% of the overall drainage basin.

_____ 22. Provide detailed analysis of the capacity of downstream structure(s).

_____ 23. Clearly indicate the adequacy of the receiving waters for rate and velocity of flows.

ADDITIONAL STORMWATER MANAGEMENT REPORT COMMENTS: