STORMWATER PLAN REVIEW CHECKLIST
CITY OF ETON, GEORGIA

Project Name: _____ **Date Submitted:** _____ **Date Reviewed:** _____
Design Professional: _____ **PE & GSWCC Cert #:** _____
Plan Reviewer: _____ **PE & GSWCC Cert #:** _____

Designer Cert. ↓ Reviewer Cert. ↓

I. General Information

☐ ☐ Common address and legal description of site.
☐ ☐ Vicinity map.

Notes:_____

_____

II. Existing Conditions Hydrologic Analysis

☐ ☐ Topographic map of existing site conditions with the drainage basin boundaries indicated.
☐ ☐ Acreage.
☐ ☐ Soil types and land cover of areas for each sub-basin affected by the project.
☐ ☐ All perennial and intermittent streams and other surface water features.
☐ ☐ All existing stormwater conveyances and structural control facilities.
☐ ☐ Direction of flow and exits from the site.
☐ ☐ Analysis of runoff provided by off-site areas upstream of the project site.
☐ ☐ Methodologies, assumptions, site parameters and supporting design calculations used in analyzing the existing conditions site hydrology. Provide CN and T_C for each drainage area, show travel path on plans, and calculations.

Notes: _____

_____

III. Post-Development Hydrologic Analysis

☐ ☐ Topographic map of developed site conditions with the post-development drainage basin boundaries indicated. Include a table summarizing the total area of each drainage basin the existing and post-development impervious surfaces and other land cover areas for each sub-basin affected by the project.
☐ ☐ Methodologies, assumptions, site parameters and supporting design calculations used in analyzing the post development conditions hydrology.
☐ ☐ Calculations for determining the runoff volumes that need to be addressed for each sub-basin for the development project to meet the post-development stormwater management performance criteria. Provide CN and T_C for each drainage area, show travel path on plans, and calculations.
☐ ☐ Provide a summary table of peak rates of run off and velocities from each delineated drainage area for the 1, 2, 5, 10, 25, and 100 year storm events. Include in summary table for each drainage area the following data: label/name of drainage area, acreage, CN, T_C, gross rainfall amount for each storm event, and peak flow rate for each storm event in cfs.

☐ ☐ Provide a summary table of developed peak rates of runoff vs. existing peak rates of runoff for each drainage area. Demonstrate no increase in peak rates of runoff for 1, 2, 5, 10, 25, and 100 year storm events.

☐ ☐ Documentation and calculations for any applicable site design green infrastructure that are being utilized.

Notes: _____

_____

IV. Stormwater Management System

☐ ☐ A map and/or drawing of the stormwater management facilities, including the location of nonstructural site design features and the placement of existing and proposed structural stormwater controls, storage volumes available from zero to maximum head, location of inlet and outlets, location of bypass and discharge systems, and all orifice/restrictor sizes.

☐ ☐ Cross-section and profile drawings and design details for each of the structural stormwater controls in the system, showing design water surface elevations for each storm event.

☐ ☐ A hydrologic and hydraulic analysis of the stormwater management system for all applicable design storms (including stage-storage or outlet rating curves, and inflow and outflow hydrographs).

☐ ☐ Drawings, design calculations, elevations and hydraulic grade lines (for each strom event) for all existing and proposed stormwater conveyance elements including stormwater drains, pipes, culverts, catch basins, channels, swales and areas of overland flow.

☐ ☐ Where applicable, a narrative describing how the stormwater management system corresponds with any watershed protection plans and/or local greenspace protection plan.

Notes: _____

_____

V. Post-Development Downstream Analysis

☐ ☐ A downstream peak flow analysis which includes the assumptions, results and supporting calculations to show safe passage of post-development design flows downstream.

☐ ☐ The analysis of downstream conditions in the report shall address each and every point or area along the project site's boundaries at which runoff will exit the property.

☐ ☐ The analysis shall focus on the portion of the drainage channel or watercourse immediately downstream from the project.

☐ ☐ This area shall extend downstream from the project to a point in the drainage basin where the project area is 10 percent of the total basin area.

☐ ☐ The analysis shall be in accordance with the stormwater design manual.

Notes: _____

_____

VI. Operations and Maintenance Plan

☐ ☐ Identify the parts or components of a stormwater management facility or practice that need to be regularly or periodically inspected and maintained, and the equipment and skills or training necessary.

☐ ☐ Include an inspection and maintenance schedule, maintenance tasks, responsible parties for maintenance, funding, access and safety issues.

Notes: _____

_____

VII. Maintenance Access Easements

☐ ☐ The applicant must ensure access from public right-of-way to stormwater management facilities and practices requiring regular maintenance at the site for the purpose of inspection and repair on a permanent basis. Such access shall be sufficient for all necessary equipment for maintenance activities. All stormwater management facilities and access easements as required must be shown on the final property plats prior to final approval of plat.

Notes: _____

_____

VIII. Inspection and Maintenance Agreements

☐ ☐ Unless an on-site stormwater management facility or practice is dedicated to and accepted by the City of Chatsworth, the applicant must execute an easement and an inspection and maintenance agreement binding on all subsequent owners of land served by an on-site stormwater management facility or practice.

Notes: _____

_____

IX. Evidence of Other Applicable Permits

☐ ☐ The applicant shall certify and provide documentation to the City of Chatsworth that all other applicable environmental permits have been acquired for the site prior to approval of the stormwater management plan. (examples: Buffer Variances, Corp. Permits, etc)

Notes: _____

_____