

AFFIDAVIT

**ENGINEERS CERTIFICATION
STORM WATER RUNOFF**

I _____ a Professional Engineer, registered in the State of Georgia hereby certify that the hydrologic analysis, grading, drainage plans and construction drawings for the subject project known as _____ lying in land lot _____ of the _____ District of Henry County have been prepared by me or by another working under my direct supervision this _____ day of _____, 20____.

I further certify that the plans and analysis were prepared in accordance with the design specifications detailed in the 2001 edition of the *Georgia Stormwater Management Manual* and the requirements detailed in the *Metro North Georgia Floodplain Management (adopted 5/02/06) and Post Development Stormwater Management Ordinances (adopted 5/02/2005)*.

In addition, I certify that the hydrologic analysis and/or plans contain the following analysis and design calculations either prepared by me or by another working under my direct supervision:

1. A 10% downstream analysis per Section 2.1.9 in the GSMM that includes assessment of the downstream impact from the site with and without onsite detention and considers both the timing and volume of peak flows for the Q_{25} and Q_f events. The analysis shows that the site, as designed, will not adversely impact adjacent and/or downstream properties.
2. All stormwater conveyances, including open channels and pipes have been analyzed and sized for the required conveyance capacity as specified in the GSMM to include the analysis of hydraulic grade lines, junction losses and gutter spreads.

All open channel conveyances have been designed to carry the required design flows while meeting the design criteria as specified in Section 4.4.1 of the GSMM.

3. The site has been assessed for compliance with the Henry County Floodplain Management / Flood Damage Prevention Ordinance.

In the event the Floodplain Ordinance applies, the site design complies with all aspects of the applicable requirements. These requirements may include, but are not limited to, a future-conditions flood analysis, a no-rise certification, minimum footing elevation(s) (MFE), and any necessary FEMA permits and/or approvals such as a CLOMR and/or LOMR.

4. The stormwater management plan, hydrological analysis, and construction plans meet the minimum design and compliance standards as specified in the GSMM and Post Development Stormwater Management Ordinance for each drainage basin. The minimum standards include, but are not limited to, the following:

To the extent practicable, the site has been designed using Better Site Design Practices.

To the maximum extent practical, the site achieves 80% removal of total suspended solids (TSS) and all other additional watershed or site specific water quality requirements.

The site complies with the Unified Stormwater Sizing Criteria for water quality, channel protection, overbank and extreme flood control measures.

The site is designed using approved methods for analyzing time of concentrations, SCS curve numbers and all other components necessary to adequately evaluate and analyze the hydrology for pre and post developed conditions.

Post developed flows are equal to or less than pre-developed flows for all significant basins and include an assessment of all offsite and bypass areas.

Any and all Site Design Stormwater Credits meet the minimum planning and design criteria as specified in Section 1.4.4 of the GSMM. All Natural/Conservation Area and/or Stream Buffer credit areas have been identified and delineated on the construction plans for recording in perpetuity with the property.

All outlet pipes have been analyzed for acceptable velocities and equipped with appropriately sized, permanent velocity dissipation and stabilization measures.

Signature

Printed Name

Georgia P.E. No.



Engineer's Seal