Brunswick County Stormwater Manual Update

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Brunswick County Stormwater Ordinance and Stormwater Management Manual

- The Brunswick County Stormwater Ordinance was adopted in September of 2002 and was last updated on May 16, 2016.
- The Brunswick County Stormwater Management Manual was approved in September of 2002 and has not been updated to date.
- Our current Stormwater Manual requires new development to control the postdevelopment runoff from the site to pre-development conditions for the 1-year and 10year 24-hour storms.
- Some developments are designed to control larger storm events however most are only designed to have an emergency overflow for larger storm events.

Proposed updates to Pre vs. Post Stormwater Control Requirements

> The current requirements of the Manual:

- Control the 1-year, 24-hour storm
- Control the 10-year, 24-hour storm

> The proposed requirements of the Manual:

- Control the 1-year, 24-hour storm
- Control the 10-year, 24-hour storm
- Control the 25-year, 24-hour storm
- Possibly require the 100-year, 24-hour storm in areas experiencing current flooding problems

Local municipalities that already require control of the minimum 25-year, 24-hour storm:

- New Hanover County
- City of Wilmington
- Town of Leland

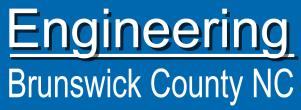
Possible Changes to Rainfall Amounts

Design Storm	Rainfall amounts currently used in Manual	Rainfall amounts from NOAA Atlas 14 for Bolivia, NC
1-year, 24-hour	3.7 inches	3.95 inches
10-year, 24-hour	7.0 inches	7.44 inches
25-year, 24-hour	8.5 inches	9.32 inches
100-year, 24-hour	10.0 inches	12.9 inches

Other Updates to the Stormwater Management Manual

- Definitions update the definitions to align with the previously updated Stormwater Ordinance.
- Remove several chapters in the Manual and direct users to other documents with more current information:
 - NC DEQ Stormwater Design Manual
 - Brunswick County LID Manual
- Update the remaining chapters to better clarify requirements and add new requirements where necessary
- Update Stormwater Permit Forms to include new requirements





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http://www.brunswickcountync.gov/

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