

# 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 post-development runoff from the site to pre-development conditions for the 1-year and 10-year 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



# Engineering

## Brunswick County NC

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<http://www.brunswickcountync.gov/>

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