

Town of Emerald Isle

Checklist for Engineered Stormwater Management Plan Submittals

Phone (252) 354-3338 FAX (252) 354-5387

**Projects requiring a professionally designed stormwater management plan
(Submit fee, two copies of checklist and two copies of all plans)**

Project Name: _____

Yes No Optional pre-submittal meeting held with Town &/or representative

Select project type

- Single-family or duplex residential project which disturbs ten thousand (10,000) square feet or more of land
- Multi-family residential, commercial or industrial project
- Project which proposes greater than an average of two (2) feet of fill across an area [6.3.3(2)(C)(iii)]

Check each box to indicate item has been addressed

General

- The Town ordinance requirements specific to stormwater have been reviewed and the stated objectives as well as the rules are met by the design as submitted
- Completed application forms, checklist & permit fee
- Design is consistent with current North Carolina Division of Water Quality - Stormwater Best Management Practices Manual (July 2007) NCDENR & 15A NCAC 02H .1008(c) [6.3.4(1)(A) and 6.3.3(2)(Y)]
- Design controls runoff from 2" rainfall to specified level [6.3.2(2)(C)(ii)(h)(1) and 6.3.3(2)(N)]
- No new, or expansions of existing, stormwater discharges to SA or SB waters [6.3.3(2)(U)]
- Impervious surface (30) foot setback from surface waters [6.3.3(2)(I)]
- ORW-AEC impervious coverage limits [6.3.3(2)(V)]
- Projects within one-half mile of that drain to class SA waters utilize BMPs which ensure reduction of fecal coliform loading [6.3.3(2)(X)]

Plans & Supporting Documentation

- Design sealed by a registered professional with appropriate qualifications [6.3.2(2)(C)(ii)]
- Include name, address and telephone number of the owner and the developer [6.3.2(2)(c)(ii)(c)]

- Owner/developer signature block on plans certifying that construction and maintenance will be done according to plan [6.3.2(2)(C)(ii)(g)(4)]
- As-built certification signature block on plans [6.3.2(2)(c)(ii)(g)(5)]
- The existing site conditions are defined by the plans &/or supporting documentation, including [6.3.2(2)(c)(ii)(e)]:
 - Survey prepared by a licensed surveyor with dimensioned project boundary
 - Existing contours provided every two (2) feet minimum
 - Location of floodplains denoted on the survey plan
 - The location(s) and direction of runoff leaving the site
 - The location of areas where stormwater collects or percolates into the ground
 - Location & description of all watercourses, water bodies and wetlands on or adjacent the site (note the absence of wetlands if applicable)
 - The depth(s) to the seasonal high groundwater table
 - Elevation of the seasonal high water level in ponds and wetlands
 - Mean high water line indicated where applicable
 - Soils as delineated by appropriate soils survey (Note: A soils report which includes boring locations, SHWT, soil type and infiltration rate from registered soil scientist may be required)
 - The cross section, and location of drainage ditches within the area surveyed
- Proposed alterations of the site are described in detail, including [6.3.2(2)(C)(ii)(f)]:
 - Changes in topography (proposed contours)
 - Proposed final elevations (finished grades/floor spot elevations)
 - The proposed area to be reserved as natural as required by [2.4.11(B)(iii)] of the Unified Development Ordinance
 - Descriptions, details, locations and dimensions of proposed impervious areas
- Components of the stormwater management system are defined, including [6.3.2(2)(C)(ii)(h)]:
 - Pipes, swales, inlets, outlets and other collection and conveyance measures
 - Measures (BMPs) for the detention, retention, infiltration & any other treatment of stormwater
 - Drainage areas
 - Drainage and maintenance access easements
 - The geographic coordinates of the proposed stormwater treatment system
- Predicted impacts of the proposed development on existing conditions, including [6.3.2(2)(C)(ii)(g)]:
 - Changes in the incidence and duration of flooding on the site and adjoining properties
 - Impacts on wetlands
 - Impacts on vegetation.
- Erosion and sedimentation control planning [6.3.2(2)(C)(ii)(e)]
 - Land disturbance greater than one (1) acre: Erosion & Sedimentation Control Plan approved by NCDENR – DLR required
 - Land disturbance less than one (1) acre: Stormwater Management Plan provides for erosion and sediment control per the Town Ordinance

- Design calculations
- Required deed restrictions, protective covenants, easements and an Operations and Maintenance Plan for recordation [6.3.2(2)(C)(ii)(d) and 6.3.5(2 & 3)]
- Provisions for required inspections [2.4.10(5)]
- Narrative describing stormwater management for the project

Notes:

References in brackets following checklist items identify where in the Town's Unified Development Ordinance (UDO) the items and related information may be found.

In particular circumstances, *Off-site* drainage facilities, consistent with the design parameters outlined above, may be permitted by the Town [6.3.3(3)].

New subdivisions shall incorporate design features to control the total volume of storm water runoff projected after full build-out of the subdivision while otherwise also adhering in general to the requirements outlined above [6.3.2(2)(C)(iii)].

This checklist is intended to facilitate stormwater management plan approvals. Additional requests for information may be required for plan approval. Please see the Town of Emerald Isle's Unified Development Ordinance (UDO) and the North Carolina Universal Stormwater Management Program Rule (15ANCAC 02H .1020) and the Model Ordinance referenced therein for further details.

Print applicant (or authorized representative) name:

Signature: _____

Date: _____