



Chatham County Stormwater Permit Application

FOR OFFICE USE ONLY

Permit No.:	_____
Date:	_____
Rec'd By:	_____

Section A. SUMMARY INFORMATION

DEVELOPMENT NAME: _____

LOCATION: _____

PARCEL ID NUMBER: _____

TOTAL ACRES: _____ TOTAL DWELLING UNITS (if applicable): _____

TOTAL Disturbed Area: _____ % Built Upon Area: _____ TOTAL Built Upon Area: _____

Section B. APPLICANT INFORMATION

OWNER (Owner or Developer)

Owner: _____ Phone: _____

Company: _____ Fax: _____

Address: _____

City, State: _____ Zip: _____

Email Address: _____

CONSULTANT (Person to contact regarding questions or revisions to the plan)

Contact Name: _____ Phone: _____

Company: _____ Fax: _____

Address: _____

City, State: _____ Zip: _____

Email Address: _____

Watershed Protection Department - P.O. Box 548, Pittsboro, NC 27312 - Phone: 919-545-8343

**ALL ITEMS ON THIS APPLICATION MUST BE ADDRESSED PRIOR TO SUBMITTAL.
ALL INCOMPLETE SUBMITTALS WILL BE RETURNED.**

Section C. REQUIRED ITEMS CHECKLIST

The following checklists outline submittal requirements. Initial in the space provided to indicate the following submittal requirements have been met and supporting documentation is attached.

General Requirements: <i>(Applicant's Initials)</i>	
	1. Sheets shall be no larger than 36" x 24" plan and profile paper
	2. Minimum text size shall be 1/8"
	3. Scale on plan view shall be no smaller than 1" = 50'; scale on profile view shall be no smaller than 1" = 50' horizontally and 1" = 5' vertically using a grid showing 1' intervals
	4. All drawings to be in North Carolina State Plane coordinate system
	5. Cover sheet shall have a vicinity map at a scale no smaller than 1" = 200'
	6. Provide a legend indicating existing and proposed lines, features and symbols
	7. Cover sheet shall include all general notes, owner's name, telephone number, and mailing address
	8. All elevations shall be given in relation to mean sea level; elevations in profile view shall be labeled in 10' intervals on the heavy lines (Ex. 350, 360)
	9. Benchmark elevations and locations shall be shown on plan view
	10. Plan views shall have a north arrow on each drawing
	11. Each drawing shall have the following information in the title block: Street or project title, limits, horizontal and vertical scales, original date, revisions date, drawing number, checked by and drawn by. Recommended placement is lower right-hand corner
	12. All drawings sealed, signed and dated by a NC Professional Engineer or Landscape Architect
	13. A signed and sealed statement on the plans certifying that the design of all stormwater management facilities and practices will control and treat the runoff from the from the 1 year-1hour storm over the total drainage area, that the designs and plans are sufficient to comply with applicable standards and policies found in the <i>North Carolina Department of Environmental Quality Stormwater Design Manual</i> , and that the designs and plans ensure compliance with the Chatham County Stormwater Ordinance
	14. Plan view shall show all actual street names. State road numbers shall be shown if applicable. Plan view should also indicate whether street is asphalt, concrete, gravel or dirt. Proposed street & Right-of-way widths will be dimensioned back-to-back and labeled in plain view
	15. Plan view shall show proposed and existing curb and gutter, pavement, storm sewers, drainage structures, driveway pipes, water mains, sanitary sewer mains, etc. All available elevations shall be shown on the profile view. Direction of flow shall be shown on plan view for all sanitary sewers and storm drains. Materials and pipe sizes shall be labeled
	16. Existing utility lines shall be shown and labeled on plan view and indicated in the legend
	17. Plans shall show final proposed locations and dimensions of all water, storm drain, and sanitary sewer lines, devices to be installed on the system, catch basins, culverts, ditches, including grades, pipes sizes, elevations, assumptions, calculations, invert elevations for all inlets and manholes and profiles of sanitary sewer lines

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	18.	All existing and proposed water, storm drainage and sanitary sewer easements shall be shown on all applicable sheets
	19.	Number of dwelling units
	20.	Existing and proposed topographic lines (minimum 2-foot intervals)
	21.	Streams, ponds, wetlands, etc. on the project site and within 50 feet of the property lines
	22.	Location of floodplain and floodway (if applicable).
	23.	Location of drainage ways and easements
Site Drainage Features:		
	24.	Existing and planned drainage patterns (include off-site areas that drain through project)
	25.	Any existing stormwater control systems
	26.	Sub-watershed delineation showing drainage areas
	27.	Show extent and number of disturbed acres
	28.	Proposed built-upon areas
	29.	Soil information: type, special characteristics
	30.	Name and classification of receiving water course
Permanent Stormwater Control Measures:		
	31.	Type of Stormwater Control Measure (SCM)
	32.	Designer's certification
	33.	Narrative description of proposed stormwater system (where runoff originates (e.g. roofs, roads, parking lots etc.), its conveyance within the project, its treatment, and its conveyance from the project to the receiving water body)
	34.	Profile along the centerline of the principal spillway/outfall pipe extending below the protected outfall or to the downstream structure
	35.	Elevations of the "water quality" surface, temporary storage water surface, and the 10 and 100 year storms
	36.	Stage-storage table for each SCM
	37.	If SCM is to be used to treat construction site runoff, provide steps necessary to restore SCM to original design condition
	38.	All necessary construction specifications
	39.	Sequence of construction
	40.	Individual drainage areas for each SCM
	41.	Construction drawings and details for permanent measures

	42.	Size and location of culverts
	43.	Size and location of subsurface drainage conveyances
	44.	Disclosure of party ultimately responsible for operation and maintenance of the stormwater system
Stormwater Calculations:		
	45.	Narrative description of calculations (methods, variables, assumptions, etc.) and results. Include the Supplement Forms from the North Carolina Department of the Environmental Quality <i>Stormwater Design Manual</i> for each SCM
	46.	Stormwater control measures designed in accordance with the <i>NCDEQ Stormwater Design Manual</i>
	47.	Time of concentration for pre/post development conditions
	48.	Pre-construction and post-construction runoff calculations for each outlet from the site (at peak discharge points)
	49.	Pre-construction and post-construction design calculations and hydrographs
	50.	Design calculations of culverts and storm sewers
	51.	Discharge and velocity calculations for open channel and ditch flows (easement & right-of-ways)
	52.	Design calcs of cross sections and method of stabilization of existing and planned channels (include temporary linings)
	53.	Design calculations and construction details of energy dissipaters below culvert and storm sewer outlets (diameters & apron dimensions)
	54.	Amount and type of existing and proposed land use
Operation and Maintenance Manual (for each SCM):		
	55.	Narrative description of the purpose and operation of the SCM
	56.	Detailed list, description, and procedure of routine maintenance items
	57.	Detailed list, description, and procedure of non-routine maintenance items
	58.	Maintenance schedule
	59.	Steps needed to restore SCM in the event of a failure
	60.	Maintenance checklist and inspection form
	61.	SCM construction drawings. Replace with record drawings when SCM is complete
	62.	Latitude and longitude of each SCM

Section D. ATTACHMENTS

- 2 sets of plans
- 1 set of electronic plans in .pdf format
- 1 set of calculations
- Operation and Maintenance Manual
- Application Fee

Section E. APPLICANT'S CERTIFICATION

Designer Certification:

I hereby certify that the design-related information submitted with this application for permit coverage was prepared under my direction or supervision and that the information is, in the exercise of my reasonable professional judgment, true, accurate and complete. I also hereby certify that the stormwater collection, treatment and control system design submitted with this application complies with all requirements of the Chatham County Stormwater Ordinance.

Original Signature of Stormwater Designer

Title

Type or Print Name

Owner Certification:

I hereby certify that I have read this application and agree to abide by the terms of any Stormwater Permit issued by Chatham County.

Original Signature of Owner or Authorized Agent

Title

Type or Print Name