



Gaston County
Gaston Natural Resources Department

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Stormwater Control Plan Checklist

The following items should be incorporated with respect to specific site conditions in an Erosion and Sedimentation Control Plan.

PROJECT NAME: _____ **DATE** _____

LOCATION INFORMATION (JURISDICTION):

Gaston County _____ City of Gastonia _____ Water Supply Watershed _____ Mt. Holly _____

GENERAL SITE FEATURES

Project Location
Roads/Streets
North Arrow
Scale
Adjoining Lakes, Ponds, Streams, Drainage Ways, Dams
Seeps or Springs
Wetland Limits
Existing And Planned Drainage Patterns (Including offsite areas that drain through project)
Size, Location and Design Calculations Of Culverts, Sewers, And Storm Drains
Name Of Receiving Watercourse Or Name Of Municipal Operator (Only where stormwater discharges are to occur)
Property Lines
Legend
Existing Contours
Proposed Contours
Limit And Acreage Of Disturbed Area
Planned and Existing Buildings -- Locations and Elevations
Planned and Existing Roads — Locations and Elevations
Lot And/Or Building Numbers
Land Use Of Surrounding Areas
Rock Outcrops
Soils Information (Including below culverts and storm drain outlets)
Design Calculations, Cross-Sections And Method Of Stabilization Of Existing And Planned Channels (Include temporary linings)
Design Calculations And Construction Details Of Energy Dissipaters Below Culverts And Storm Drain Outlets (For rip rap aprons, include stone size (diameters) and apron dimensions)
Design Calculations And Construction Details To Control Groundwater, (i.e. Seeps, High Water Table, etc.)
Design Drawings with Location, Calculations, and Construction Details for Stormwater Best Management Practices

Narrative Describing Construction Sequence, Nature, And Purpose Activity
Completed Financial Responsibility/Ownership Form (To be signed by person financially responsible for project)
Location And Topographic Maps With The Total Drainage For Onsite And Offsite.
Information Needed To Define All Ridges Existing Streams, Location Of The 100 Year Floodplain And Floodway, Drainage Ways, Wetland areas, Existing Springs And Elevations Of Any Proposed Discharge Point.
Architectural And Engineering Drawings Showing Plan, Profile And Detail Of Piping, Drainage Structures, Swales, And Channels Both Natural And Manmade
Computations To Support The Design Of Piping, Drainage Structures, Retention/Diversion Ponds And Permanent Erosion Control Measures, Any Miscellaneous Measures Needed To Comply With The Stormwater Ordinance
Two Copies Of The Stormwater Control Plan Prepared By A Professional Engineer Or Landscape Architect Licensed In TheState Of North Carolina
Operations And Maintenance Manual
As-Built Plans Of All Stormwater Control And Management Plans (showing the field location, size, depth, and planted vegetation of all measures and devices as installed. This must be submitted when project is complete)
Electronic copy Of Designs (That is readable by GIS systems, geo-referenced to the NC State Plane 1983and must be submitted when project is complete)
Surety Performance Bond For The Total Construction Costs Of The System And Devices Approved Under The Permit Plus 25% With Three Project Bids. (Not applicable for projects within the city of Gastonia. Coverage is tied into the project's escrow account.
Submit Appropriate DWQ BMP Supplement Form For Each Device Used In The Stormwater Control Plan. These Forms Are Found At The Following Link. http://portal.ncdenr.org/web/wq/ws/su/bmp-manual
City of Gastonia Stormwater Design and System Manual http://www.co.gaston.nc.us/NaturalResources/PDF/CityofGastoniaStormwaterDesignSystemManual(Developing).pdf (Note: Detention is required in addition to treating one inch of runoff for any project within City of Gastonia's jurisdiction)

Gaston Natural Resources' Mission is: *"To provide leadership and conservation assistance to the people of Gaston County to improve and sustain their soil, water, air, plant and wildlife resources."*