EROSION CONTROL PLAN CHECKLIST

DESIGN ENGINEER: _____ PROJECT: _____

LOCATION INFORMATION	
☐	Project location & labeled vicinity map (roads, streets)
☐	North arrow and scale
☐	Drainage Basin and receiving water course
☐	Watershed Overlay and method of Watershed Protection
☐	Floodplain statement with FEMA map information including Local Floodplain or Flood Study information
☐	Wetlands statement

GENERAL SITE FEATURES	
☐	Property lines & ownership ID for adjoining properties
☐	Existing contours with elevations (topographic lines)
☐	Proposed contours with elevations
☐	Limits of disturbed area (provide acreage total, delineate limits, and label)
☐	Planned and existing building locations and elevations
☐	Planned & existing road locations & elevations, including temporary access roads
☐	Lot and/or building numbers
☐	Hydrogeologic features: rock outcrops, seeps, springs, wetland limits, streams, lakes, ponds, dams, etc. (include all riparian buffer zones and DWR or Cary buffer determinations)
☐	Easements and drainageways; Include copies of any recorded easements and/or agreements with adjoining property owners
☐	Stockpile locations
☐	Profiles of streets, utilities, ditch lines, etc.
☐	Required Army Corps 404 permit and Water Quality 401 certification

SITE DRAINAGE FEATURES	
☐	Existing and planned drainage patterns (include off-site areas that drain through project)
☐	Pre- and Post-development drainage area delineation and/or exhibit
☐	Size and location of culverts and sewers
☐	Soils information (type, special characteristics)

☐	Design calculation and construction details for culverts and storm sewers
☐	Design calculations for peak discharges of runoff (including the construction phase and final runoff coefficients of the site)
☐	Provide summary table for Pre and Post peak discharges at each point of discharge
☐	Name of receiving watercourse or name of municipal operator (only where stormwater discharges are to occur)

EROSION CONTROL MEASURES	
☐	Phased sediment and erosion control plan *(Erosion control plans should include a minimum of two phases of construction shown on separate plan sheets. Additional phases may be necessary based on complexity and sequencing of the development.)*
☐	Legend with appropriate symbols for all measures
☐	Location of temporary and permanent measures
☐	Construction drawings and Cary Standard Details for temporary and permanent measure *See: https://www.carync.gov/business-development/developing-in-cary/standard-specifications-and-details/standard-detail-drawings-2023*
☐	Design specifications for sediment basins and other measures
☐	Maintenance requirements during construction
☐	Contact person responsible for maintenance during construction
☐	Maintenance requirements and responsible person(s) of permanent measures

EROSION CONTROL CALCULATIONS	
☐	Discharge and velocity calculations for open channel and ditch flows (easement & rights-of-way)
☐	Design calcs and cross sections and method of stabilization for existing and planned channels (include temporary linings). Include appropriate permissible velocity and/or shear stress data.
☐	Design calcs and dimension of sediment basins (note surface area and dewatering standards as well as diversion of runoff to the basins).
☐	Design calculations and construction details of energy dissipaters below culverts and storm sewer outlets (for riprap aprons, include stone sizes and apron dimensions)
☐	Design calculations and construction details to control groundwater, i.e. seeps, high water table, etc.

OTHER INFORMATION	
☐	Completed Financial Responsibility/Ownership Form (to be signed by person financially responsible for project) ***submitted at time of grading permit application***
☐	Phased construction sequence related to sedimentation and erosion control plan (include installation of critical measures prior to initiation of the land-disturbing activity and removal of measures after they serve have been permanently stabilized) *See: https://www.carync.gov/home/showpublisheddocument/30123/638242498488500000*

☐	Narrative describing the nature and purpose of the construction activity

VEGETATIVE STABILIZATION	
☐	Areas and acreage to be vegetatively stabilized
☐	Planned vegetation with details of plants, seed, mulch, fertilizer
☐	Specifications for permanent and temporary vegetation
☐	Method of soil preparation and amendments
☐	Temporary seeding schedule *See: https://www.carync.gov/home/showpublisheddocument/30123/638242498488500000*

NOTE: Plan should include provisions for groundcover in accordance with NPDES Construction Stormwater General Permit NCG010000.

EROSION CONTROL NOTES (include the following notes on ESC Plans)	
☐	Permanent ground cover will be established in 15 working days or 90 calendar days, whichever is shorter.
☐	Cut and fill slopes will be stabilized within 15 days of any phase of grading.
☐	Project may require a pre-construction conference before the grading permit is issued.
☐	The skimmer, riser structure(s) and barrel(s) must be on site before the grading permit is issued.
☐	The streets in front of the project will be kept clean at all times or a wash station will be required.
☐	Cut and fill slope that is (2:1) or greater shall be stabilized with permanent slope retention devices or a suitable combination of plantings and retention devices. Slopes greater than three to one (3:1) shall not be stabilized with turf grass but must be stabilized with vegetation that requires minimal maintenance. Weeping Love Grass, Red Fescue or other approved variety.
☐	Tree protection fencing on this project will be installed and inspected before the grading permit is issued.
☐	Construction Entrances must be modified to achieve ADA compliance where applicable.
☐	A turbidity curtain may be required to be installed by the developer if warranted by downstream impacts.

NPDES/NCG01 REQUIRED PLAN SHEETS	
☐	If over 1 AC disturbance, provide required NCG01/NPDES note sheets per NCDEQ; https://deq.nc.gov/about/divisions/energy-mineral-land-resources/energy-mineral-land-permits/stormwater-permits/construction-sw