BUNCOMBE COUNTY
PLANNING & DEVELOPMENT

EROSION & SEDIMENTATION PLAN REVIEW CHECKLIST

CASE #:_____

A. Project Information

Project Name: _____ Watershed: _____ Jurisdiction: _____

PIN Number: _____ Disturbed Acreage: _____

B. Applicant

Name: _____

Address: _____

Phone: _____

Email: _____

C. Engineer

Name: _____

Address: _____

Phone: _____

Email: _____

D. Construction Plan Review Package Requirements

The submittal package must include all applicable items below to demonstrate compliance with the Ordinance. Unless otherwise noted, all references shown in brackets must be included to be considered a complete package. Select all applicable items and provide with the submittal.		Applicant		*Staff Use*	
		✓	N/A	✓	N/A
Required to Initiate Processing:					
1	Notarized Buncombe County Application for Land Disturbing Permit/Financial Responsibility Ownership Form				
2	Review Fees(website)				
3	BC Checklist and Guidelines for Erosion and Sedimentation Control Plans Form				
Additional Documents:					
4	Digital CD of engineering plan, documents and calculations if hard copies are preferred				
5	Jurisdictional Approval: Copy of approval notification for projects other municipality's zoning jurisdiction				
6	401/404 Documentation (Buffer determination letters, PCN application, comments, approval)				
7	Stormwater Approval: Copy of approval notification for projects within Town of Back Mountain jurisdiction				
8	NCDOT encroachment agreement(s) completed, signed, notarized for all off-site construction				
9	Cover letter stating the purpose of the submission				
10	RESUBMITTALS: Letter detailing changes, comments, proposed solutions to comments, etc				
11	Copy of the Buncombe County Soil Survey map with delineated project limits				
12	One(1) digital copy of a complete set of construction drawings or two hard copy sets for 1st submission				
13	Existing Conditions Plan/Survey				
14	Drainage Area Map showing drainage areas to erosion control devices:				
One (1) set of Erosion Control Calculations, including: (See website for design criteria):					
15	Sediment basin design				
16	Ditches, swales, and channels: Q25/V25. Tractive force (shear stress), capacity and geometry				
17	Dissipaters: Q25 velocities, stone size and dimensions				
18	Velocity calculations for stormwater runoff at points of discharge resulting from a 25-year storm after development				

Proposed Plans:						
19	Location/Vicinity Map					
20	North arrow, graphic scale, drafting version date, legend and professional seal					
21	Existing and proposed contours: plan and profiles for roadways					
22	Existing and proposed easements					
23	Bodies of water ephemeral, intermittent and perennial streams along with ponds or lakes					
24	Boundaries of tract: including project limits					
25	Zone of undisturbed vegetated buffer around streams(hatch or shade area)					
26	Limits of disturbance delineated and specified on plan					
27	Proposed improvements: roads, buildings, parking areas, grassed landscaped, natural areas					
28	Lot lines, lot numbers and road names					
29	Water and sewer utilities					
30	Stormwater conveyance: inlets, culverts, swales, ditches, channels and drainage easements					
31	TEMPORARY SEDIMENT CONTROLS: locations and dimensions of gravel entrances, diversion ditches,					
32	PERMANENT EROSION CONTROLS: locations and dimensions of dissipaters, ditch linings, armoring, level spreaders, retaining walls, etc.					
33	SITE STABILIZATION PLAN: Showing seeding schedule, acres to be stabilized, methods of soil preparation, specifications for permanent and temporary vegetation and notation of groundcover requirements for exposed slopes (21 calendar days of any phase of completion) and permanent groundcover (90 calendar days at project completion)					
34	Construction Details					
35	Buncombe County Basin Removal Sequence					
36	Buncombe County must grant permission to convert the sediment basin over to permanent stormwater use prior to completing any related work (a note in the construction sequence or elsewhere on the plan should indicate this).					
37	Delineation of current FEMA boundaries (floodway, flood fringe & future/0.2%)					
Standards and Requirements: By marking items with an "X", applicant acknowledges potential standards to be applied to the proposed development.						
37	***Sec. 26-247(a) Design and Performance Standards*** - All soil erosion and sedimentation control plans and measures must conform to the applicable standards specified in *North Carolina's Erosion and Sediment Control Planning and Design Manual and provide protection from the calculated maximum peak rate of runoff from the twenty-five year storm*. Erosion control devices must be installed to prevent any offsite sedimentation for any construction site regardless of the size of the land disturbance.					
38	***Sec. 26-247(b)Standards for High Quality Water (HQW) Zones*** Land-disturbing activities to be conducted in High Quality Water Zones must be designed as follows:					
	a	Uncovered areas in High Quality Water (HQW) zones must be limited at any time to a maximum total area of 20 acres within the boundaries of the tract.				
	b	**Maximum Peak Rate of Runoff -** Erosion and sedimentation control measures, structures, and devices within HQW zones must be planned, designed and constructed to provide protection from the runoff of the 25-year storm.				
	c	**Settling Efficiency -** Sediment basins within HQW zones must be designed and constructed so that the basin will have a settling efficiency of at least 70% for the 40 micron (0.04mm) size soil particle transported into the basin by the runoff of that 2-year storm which produces the maximum peak rate of runoff.				
	d	**Open Channel Grade** - The angle for side slopes must be sufficient to restrain accelerated erosion (side slopes no steeper than 2 horizontal to 1 vertical if a vegetative cover is used for stabilization unless soil conditions permit a steeper slope or where the slopes are stabilized by using mechanical devices, structural devices or other acceptable ditch liners)				

Applicant Signature: _____ Date: _____