GARRETT SOIL CONSERVATION DISTRICT EROSION AND SEDIMENT CONTROL PLAN REVIEW CHECKLIST

Project: _____

Reviewer: _____ Date _____ GP No. _____

LEGEND FOR CHECKLIST

√ - Accepted **X** - Not Acceptable **N/A** - Not Applicable **R** - Required, Not Submitted I**NC** - Incomplete

A. GENERAL DATA

1st	2nd			
___	___	1.		Vicinity map
___	___	2.		Drainage area map showing total area draining through or to the site and natural flow patterns
___	___	3.		Drainage area map for sediment trapping devices
___	___	4.		Title block in lower right hand corner containing the following information:
			___ a.	Name of project, location, and name of applicant
			___ b.	Name of company or individual who prepared plan

B. SITE PLAN

1st	2nd			
___	___	1.		Purpose of plan
___	___	2.		Legend, scale, north arrow (scale 1" = 50' or less)
___	___	3.		Erosion and sediment control sheets labeled, numbered, and identified as sheet no. ___ or ___
___	___	4.		Limits of disturbance outlined
___	___	5.		Limit of 100-year flood plain and wetlands outlined (if none, note in site information)
___	___	6.		Existing and proposed improvements
___	___	7.		Existing and proposed contours, property lines and adjoining property owners (extend topo no less than 50' from project limits)
___	___	8.		Stock pile and/or borrow area location (if not, note in site information)
___	___	9.		Locations and methods of stabilization (riprap, seed, matting, pavement, etc.)
___	___	10.		Details, specifications, and standard symbols for each E & S practice (copied from *1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control*)
___	___	11.		Developers and Design Certification (signed)
___	___	12.		Sequence of construction and time table
___	___	13.		Details and sizes of existing and proposed drainage control structures (traps, ditches, culverts, etc.)
___	___	14.		Designs of structures and/or practices, provide calculations
___	___	15.		Location of sediment control measures
___	___	16.		Revegetation specifications
			___ a.	Seedbed preparations
			___ b.	Permanent seeding (mix & rate) - include method of application
			___ c.	Temporary seeding (mix & rate) - include method of application
			___ d.	Mulching (include anchoring method)
			___ e.	Matting (type & specification)
			___ f.	Fertilizer and lime (amount & type)
___	___	17.		Site Information
			___ a.	Total area of site in acres
			___ b.	Area of disturbance in acres
			___ c.	Impervious area in acres

17. Site Information (continued)
___ d. Total cut in cu. yds.
___ e. Total fill in cu. yds.
___ f. Volume of material in cu. yds.
___ g. Soils type

C. ROAD PROFILES

1st	2nd		
___	___	1.	Location and spacing of interceptor dikes and culverts
___	___	2.	Location of diversion dikes
___	___	3.	Inlets for dikes and culverts (types of structure and size)
___	___	4.	Outlets for dikes and culverts (type of structure and size)
___	___	5.	Stream crossings (type of structure and size)
___	___	6.	Typical cross section of roads, extending from toe of fill to top of cut, including ditches

D. SEDIMENT AND EROSION CONTROL

1st	2nd		
___	___	1.	Dikes (perimeter, diversion, interceptor)
		___	a. Practice meets purpose and design criteria
		___	b. Positive drainage is maintained
		___	c. Flow area of dikes over 5% properly stabilized
		___	d. Outlet to sediment trapping device or onto stable outlet
		___	e. Points of vehicular crossing shown and stabilized
___	___	2.	Traps (pipe, grass, storm inlet, swale, stone and riprap)
		___	a. Plan view of trap and storage area (top and bottom area drawn to scale)
		___	b. Bottom dimensions and control elevations (bottom clean-out and discharge)
		___	c. Contributing drainage area and volume computations
		___	d. Type and size of outlet structure
		___	e. Stabilized inlet and outlet
		___	f. Practice meets purpose and design criteria
___	___	3.	Temporary Swales (interceptor, perimeter)
		___	a. Contributing drainage area shown
		___	b. Required cross section can be installed
		___	c. Provisions for traffic crossing shown on plan
		___	d. Channel grade over 5% properly stabilized
		___	e. Adequate outlet or discharge condition
		___	f. Practice meets purpose and design criteria
___	___	4.	Silt Fence
		___	a. Drainage area doesn=t exceed 2 acre per 100' of fence
		___	b. Placed on contours
		___	c. Meets maximum allowable slope
		___	d. Used for sheet erosion
___	___	5.	Sediment Basins
		___	a. Plan view of dam and storage area
		___	b. Profile along center line of dam
		___	c. Profile of emergency spillway
		___	d. Cross section through dam or impoundments at principal spillway
		___	e. Detail of riser base, anti-vortex device, anti-seep collars and trash rack
		___	f. Design data sheet properly completed
		___	g. Outlet protection detail and downstream outfall conditions
		___	h. Volume and emergency spillway design computations
		___	I. Provisions for stabilization

E. SEDIMENT BASIN/POND REQUIREMENTS

BASIN NO. _____

Design Date

___ 1. Drainage Area Map
___ 2. Design data sheet properly completed (see pages C-10-10 and C-10-11 of *1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control*)
- ___ a. Storage required
- ___ b. Storage provided
  - ___ 1. Elevation-storage curve and table
  - ___ 2. Storage determined to riser crest elevation
  - ___ 3. Minimum volume of basin before clean-out
- ___ c. Clean-out elevation
- ___ d. Design Q
- ___ e. Barrel size
- ___ f. Riser size
- ___ g. Trash rack size
- ___ h. Emergency spillway size
- ___ I. Anti-seep collar size
- ___ j. Minimum 1' between emergency spillway crest and riser crest
- ___ k. Required 1' freeboard between design high water and settled top of dam
- ___ l. Elevations agree with those shown on plan

Plan Drawings

___ 1. Plan view of dam and storage area with approximate bottom dimensions shown
___ 2. Cross section along center line of dam
- ___ a. Top of dam (constructed and settled)
- ___ b. Location of emergency and principal spillway
- ___ c. Existing and proposed ground
- ___ d. Bottom of cut-off trench
- ___ e. Horizontal control

___ 3. Profile through principal spillway
- ___ a. Existing ground
- ___ b. Elevations
  - ___ 1. Settled top of dam
  - ___ 2. Constructed top of dam
  - ___ 3. Emergency spillway crest (dotted line)
  - ___ 4. Riser crest
  - ___ 5. Design high water
  - ___ 6. Inlet and outlet inverts of pipe
  - ___ 7. Clean out
  - ___ 8. Other:
- ___ c. Top width
- ___ d. Side slope

___ e. Cut-off trench
___ 1. 4' minimum bottom width
___ 2. Side slopes 1:1
___ 3. Depth (4' minimum if SWM or permanent pond)
___ f. Anti-seep collar
___ 1. Phreatic line (4:1 slope)
___ 2. Saturated length (dimensioned)
___ 3. 10' minimum from riser
___ 4. Minimum spacing between collars as per NRCS specs
___ g. Barrel
___ 1. Length (dimensioned)
___ 2. Slope
___ 3. Size
___ h. Riser clearly marked at clean-out elevation

___ 4. Profile of emergency spillway
___ a. Existing ground
___ b. Elevation of level control section
___ c. Inlet section and outlet section slopes
___ d. Length of outlet section
___ e. Design Q and velocity (stated on plan)
___ f. Emergency spillway located in cut or channel protection provided (detail required)

___ 5. Riprap outlet protection
___ a. Stone size as per NRCS design criteria
___ b. Medium stone size and minimum depth of riprap section shown on plan
___ c. Riprap placed upon approved filter cloth
___ d. Cross section detail of riprap areas

___ 6. Anti-seep collar detail (dimensioned with construction specifications)
___ 7. Trash rack and anti-vortex device details and construction specifications
___ 8. Downstream outfall conditions
___ 9. Dewatering device detail and construction specifications
___ 10. Baffles (if applicable)
___ 11. Construction specifications (see pages C-10-6 and C-10-7 of *1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control*)
___ 12. Provisions for sediment control during basin construction
___ 13. Fencing note: If required by the sediment control inspector, fencing shall be installed to prevent access to the basin by children
___ 14. Permits - WRA/Corps Eng/SCD
___ 15. Historical - Archaeological