ENGINEERS AND SURVEYORS INSTITUTE
PEER REVIEW CHECKLIST
LEESBURG

ROUGH GRADING PLAN

Plan Name_____ Plan No._____

Submitting Firm_____ Contact Engineer _____

Review Date _____ ESI Team _____

Reference	Description	OK	NO	N/A
6-220.1	Names, addresses, seal and signature of the licensed professional preparing the drawings			
	Vicinity map provided at a scale not more than 1" = 1000			
10-110.1.B 10-130.A	Sheets 24"x 36" numbered, drawn clearly and at a scale not less than 50' to the inch with match lines and corresponding sheet numbering system where required			
13-71.b.4.a	North arrow			
6-220.3	Limits of clearing and grading clearly delineated (match construction drawings)			
	Letters of permission or easements provided for offsite work			
10-110.I.6	Existing contours extending 25' beyond limits of work			
10-130.B	Proposed grading delineated indicating the amount of grading to be done			
	Existing tree line shown			
	EROSION CONTROL NARRATIVE			
10-110.I.1	Project description - nature of activity and amount of grading involved			
10-110.I.2	Existing site conditions - Description of existing topography, vegetation and drainage			
VESCH VI-7,9	Adjacent areas - description of downstream properties or adjacent properties possibly affected by land disturbance			
6-220.3.A	Soils - soil names, mapping units, erodibility, permeability, depth, texture and soil structure (Type I)			
6-220.4.F	Critical areas - onsite areas with potential serious erosion problems			
6-220.4.K	Erosion and sediment control measures - description of measures employed to control erosion			
	Control phasing - description of how the control measures are to be phased with construction from initial clearing to final stabilization with specific attention to controls used			

Comments:

	Permanent stabilization - description including specifications of how the site will be			

Reference	Description	OK	NO	N/A
	stabilized after construction is complete			
	Stormwater management - peak runoff increase, downstream channel degradation, control structures			
	Maintenance - daily inspection, damaged controls repaired by the end of the work day			
VESCH III-7	Construction entrance minimum required size - 30' width, 70' length			
	Wash rack - required if earthwork imbalance, detail provided, water supply indicated, sediment trapping measures specified			
	Location and ponded area of sediment traps indicated			
	Calculations of sediment traps - required volume (based upon predeveloped divides: < 3 ac. Disturbance, provided volume, weir dimensions (weir detail provided); adequate outfall channel for two year storm event (sections, calculations demonstrating adequacy)			
	Sediment traps maintenance notes - clean out ½ design, methodology for determination of ½ full			
	Sediment basin location and proposed grading shown drainage area > 3.0 ac. but < 150 ac.			
	Sediment basin calculations (volume design - required volume 134 cubic yard x drainage area, provided volume, clean out volume; principal spillway design - required capacity Q 10 design, riser design, barrel design; anti-seep collar design - number required and size; design elevations - crest of riser, top of damp, spillway elevation)			
VESCH	Sediment basin details (riser, anti-vortex device - trash rack, anti-seep collars)			
VESCH	Silt fence detail provided			
VESCH	Silt fence not located within concentrated flow paths			
VESCH	Diversion dike detail			
VESCH	Diversion dike extended to weir location			
VESCH	Protection provided at all inlets downstream of denuded areas			
VESCH	Details of check dams provided			
VESCH	Check dam spacing - according to 1.38 specification VESCH			
VESCH	Specifications provided for temporary seeding			
6-220.5.A	Note - "No area to remain denuded for more than 30 calendar days."			
6-200.5.B	Note – "No unprotected, disturbed area shall drain to roadways			
	Pavements such that the subbase, base, or wearing surface are contaminated by silt trapped at low points or inlets.			

Comments: