



RUSSELL COUNTY BUILDING DEPARTMENT
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EROSION AND SEDIMENT CONTROL PLAN SUBMITTAL APPLICATION

No person may engage in any land-disturbing activity located in Russell County where 10,000 square feet or more of land disturbance is proposed until he/she has submitted to the County an erosion & sediment control plan for the land-disturbing activity and the plan has been reviewed and approved. A land-disturbing activity is defined as any land changes that may result in soil erosion from water or wind and the movement of sediments into state waters or onto lands in the Commonwealth, including, but not limited to, clearing, grading, excavating, transporting and filling of land.

Land Owner

Owner: _____

Address: _____

Phone Number: _____

Email: _____

Tax Map#: _____

Physical

Address: _____

Designer Information

Company Name: _____ Phone: _____

Company Address: _____

Contact Person: _____

Contact Email: _____

Types of Proposed
Land Disturbance: Residential Commercial Public Works

Proposed Disturbed
Acreage: _____

Description of
Proposed Work:

The following information shall be submitted to the County as a minimum for review of an erosion and sediment control plan. Please check the line if the applicable information is being provided.

Two sets of the erosion and sediment control plan as an independent entity from the working or construction drawings of the project. The plans shall contain both, narrative and plan sheets.

All applicable items contained in the Virginia Erosion and Sediment Control Regulation 9VAC25-840-40

Minimum Standards have been addressed.

All applicable items contained in the Narrative and Plan Sheet Checklist have been addressed.

An approved construction entrance permit obtained from VDOT

For County Use Only

Received Date: _____

Permit #: _____

Received By: _____



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DESIGN CHECKLIST FOR E&S PLANS

TO BE COMPLETED FOR ALL PLANS; NO PLANS, INCL. RESUBMIT ALS, WILL BE REVIEWED WITHOUT A DULY COMPLETED AND SIGNED CHECKLIST; PLEASE ENSURE ALL ITEMS ARE ADDRESSED

Yes No N/A

- MS-1** Have temporary and permanent stabilization been addressed in the narrative?
..... Are practices shown on the plan? yes/no
..... Seed specifications? yes/ no Mulching? yes/ no Gravel? yes/ no
- MS-2** Has stabilization of soil stockpiles been addressed in the narrative?
 Are sediment trapping measures provided?
- MS-3** Has maintenance of permanent stabilization been addressed?
- MS-4** Are sediment trapping facilities to be constructed as a first step in LDA?
- MS-5** Has stabilization of earthen structures been addressed?
- MS-6** Are sediment basins required where needed?
 Detailed design calculations and specifications included for all proposed sediment traps and basins?
- MS-7,8** Has stabilization of cut and fill slopes been adequately addressed?
- MS-9** (i. e. Surface Roughening, Outlet Protection)
- MS-8** Are paved flumes, channels, or slope drains required where necessary?
- MS-10** Is adequate inlet protection required on all operational storm sewer inlets?
- MS-11** Are channel lining and/or outlet protection required on stormwater conveyance channels?
 Detailed specifications included for all required instances of outlet protection?
- MS-12** Are in-stream construction measures required so that channel damage is minimized?
- MS-13** Are temporary stream crossings of non-erodible material required where applicable?
- MS-14** (NOTE: This regulation requires that all applicable federal, state and local regulations pertaining to working in or crossing live watercourses be followed.)
- MS-15** Has restabilization of areas subject to in-stream construction been adequately addressed?
- MS-16** Is stabilization of utility trenches addressed?
- MS-17** Is the transport of soil and mud onto public roadways properly controlled? (i.e. Construction Entrances, Wash Racks, daily cleaning of road ways, transport of sediment to a trapping facility)?
- MS-18** Has the removal of temporary practices been addressed?
 Has maintenance of practices been addressed? (i. e. repair of structures and removal of accumulated sediment)?
- MS-19** Are properties and waterways downstream from development adequately protected from erosion and sediment deposition due to increases in peak stormwater runoff? Surveyed cross sections of receiving channel shown on plans? Calculations demonstrating channel adequacy included?



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Minimum Standards - All applicable Minimum Standards must be addressed (refer to MS checklist.)

NARRATIVE

Project description - Briefly describes the nature and purpose of the land-disturbing activity, and the area (acreage) to be disturbed.

Existing site conditions - A description of the existing topography, vegetation and drainage.

Adjacent areas - A description of neighboring areas such as streams, lakes, residential areas, roads, etc., which might be affected by the land disturbance.

Off-site areas - Describe any off-site land-disturbing activities that will occur (including borrow sites, waste or surplus areas, etc.). Will any other areas be disturbed?

Soils - A brief description of the soils on the site giving such information as soil name, mapping unit, erodibility, permeability, depth, texture and soil structure, as well as acreage of each mapping unit. This information should be taken from the NRCS Soil Survey of Russell County, or a current mapping by NRCS personnel or a Va. Certified Professional Soil Scientist (CPSS).

Critical areas - A description of areas on the site which have potentially serious erosion problems (e.g., steep slopes, channels, wet weather/ underground springs, etc.).

Erosion and sediment control measures - A description of the methods which will be used to control erosion and sedimentation on the site. (Controls should satisfy applicable minimum standards and specifications in Chapter 3 of the VESCH, 1992 Edition.)

Permanent stabilization - A brief description, including specifications, of how the site will be stabilized after construction is completed.

Stormwater runoff considerations - Will the development site cause an increase in peak runoff rates? Will the increase in runoff cause flooding or channel degradation downstream? Describe the strategy to control stormwater runoff. Ensure that receiving channel adequacy, per Minimum Standard 19, is addressed.

Calculations - Detailed calculations for the design of temporary sediment basins, permanent stormwater detention basins, diversions, channels, outlet protection, etc. Include calculations for pre- and post-development runoff. Rational Method calculations, in any form (Modified, etc.), will not be accepted for drainage areas larger than 20 acres, or having a time of concentration greater than 20 minutes. Ensure that receiving channel is adequate, per Minimum Standard 19.

Maintenance - A schedule of regular inspections and repair of erosion and sediment control structures should be set forth.

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SITE PLAN

- _____ Vicinity map - A small map locating the site in relation to the surrounding area. Include any landmarks which might assist in locating the site.
- _____ Indicate north - The direction of north in relation to the site.
- _____ Limits of clearing and grading - Areas which are to be cleared and graded.
- _____ Existing contours - The existing contours of the site.
- _____ Final contours - Changes to the existing contours, including final drainage patterns.
- _____ Existing vegetation - The existing tree lines, grassed areas, or unique vegetation.
- _____ Soils - The boundaries and acreage of different soil types. For stormwater management calculations, all areas in the watershed must be included.
- _____ Existing drainage patterns - The dividing lines and the direction of flow for the different drainage areas. Include the size (acreage) of each drainage area.
- _____ Critical erosion areas - Areas with potentially serious erosion problems. (See Chapter 6 of the VESCH, 1992 Edition, for criteria.)
- _____ Site Development - Show all improvements such as buildings, parking lots, access roads, utility construction, etc.
- _____ Location of practices - The locations of erosion and sediment control and stormwater management practices used on the site. Use the standard symbols and abbreviations in Chapter 3 of the VESCH, 1992 Edition.
- _____ Off-site areas - Identify any off-site land-disturbing activities (e.g., borrow sites, waste areas, etc.). Show location of erosion controls. (Is there sufficient information to assure adequate protection and stabilization?)
- _____ Detail drawings - Any structural practices used that are not referenced to the ESC Handbook or local handbooks should be explained and illustrated with detail drawings.
- _____ Maintenance - A schedule of regular inspections and repair of erosion and sediment control structures should be set forth.