

Following is a checklist of the necessary components of all erosion and sediment control and stormwater management plans. This list must be completed and signed by the plan preparer and must accompany all erosion and sediment control and stormwater management plans submitted to the Thomas Jefferson Soil and Water Conservation District (TJSWCD) for review. If you have questions, feel free to call the TJSWCD office at 434-975-0224, or in Louisa at 540-967-5940.

The most recent updates of the Virginia Erosion and Sediment Control Handbook and the Virginia Erosion and Sediment Control Regulations (4VAC50-30) may be obtained from the Virginia Department of Conservation and Recreation website at <http://www.dcr.virginia.gov/soil & water/e&s.shtml#handbook>. The Virginia Stormwater Management Handbook and the Virginia Stormwater Management Regulations (4VAC3-20) may be obtained from the DCR web site at <http://www.dcr.virginia.gov/soil & water/stormwat.shtml#pubs>. The Louisa County Stormwater Management Ordinance and Stormwater Management Plan Technical Guideline Manual may be obtained by calling the TJSWCD.

TJSWCD Erosion and Sediment Control and Stormwater Management Checklist
LOUISA COUNTY

Project Name - _____

Location of Project – (nearest crossroads, and distance & direction from those crossroads)

Check one:

- _____ - Water Resource Area “A” - (Industrial Areas or Economic Development Areas)
- _____ - Water Resource Area “B” - (Water Protection Areas)
- _____ - Water Resource Area “C” - (Areas within the Remainder of the County)

A. Minimum Standards:

_____ Each of the 19 Minimum Standards of the 1996 Virginia Erosion and Sediment Control Regulations must be satisfied. If a Minimum Standard is not addressed with specific practices in the plan, the intent to satisfy that standard must be documented in writing. All requests for variances from these Minimum Standards must be submitted in writing. Minimum Standard guidance should be reviewed at <http://www.dcr.virginia.gov/soil & water/documents/MSPamphlet.PDF>.

B. Narrative: (The narrative is as much a part of the plan as is the site plan. Contractors should be made aware of all activities and specifications addressed in the narrative.)

- _____ 1. Project description - Describe the nature and purpose of the land disturbing activity, the amount of grading involved, and the number of disturbed acres (including areas disturbed by equipment traffic & off-site areas).
- _____ 2. Existing site conditions - Describe topography, vegetation, and drainage patterns.
- _____ 3. Adjacent areas - Describe areas such as streams, lakes, residential areas, roads, etc., which might be affected by the land disturbance.
- _____ 4. Soil descriptions - Document soil names, erodibility, permeability, depth, texture, and hydrologic group of each soil.
- _____ 5. Critical areas - Describe areas that have the potential to present erosion or water quality problems due to the land disturbance.
- _____ 6. Erosion and sediment control measures - Describe the structural and/or non-structural practices that will be used to control erosion & sedimentation. CALCULATIONS used in designing all structural practices must be

included. All practices must be designed in accordance with the VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK. All requests for variances from these specifications must be submitted in writing.

____ 7. Stormwater management measures - Describe the structural and/or non-structural practices that will be used to control post-development runoff in accordance with the Louisa County Stormwater Management Plan Technical Guidelines Manual. CALCULATIONS used in designing all stormwater measures (including verification of the adequacy of all pipes & channels) must be included. All measures must be designed in accordance with the VIRGINIA EROSION AND SEDIMENT CONTROL AND STORMWATER MANAGEMENT HANDBOOKS. All requests for variances from these specifications must be submitted in writing.

____ Water Resource Areas "A" & "B":

- Water Quantity Control (volume & velocity)
- Water Quality Control – Technology-based criteria described in the Virginia Stormwater Management Regulations (4VAC 3-20-71, Table 1).*

____ Water Resource Area "C":

- Water Quantity Control (volume & velocity)

****“Percent Impervious Cover”** (referenced in Table 1, Virginia Stormwater Management Regulations, 4VAC 3-20-71) refers to the percent of impervious area within individual drainage areas of the *project site*. (For small projects, the entire *project site* may be within one drainage area.) The *project site* includes all areas of land disturbance (clearing, grading, BMPs, septic fields, utility lines, construction access, construction staging, etc.) plus a reasonable boundary/transition area surrounding those disturbed areas. For projects where development is proposed in several concentrated areas within one property boundary, the development may consist of more than one *project site*. If you have questions regarding the boundaries of your *project site*, please contact the TJSWCD plan reviewer to discuss. *All projects will be reviewed considering the type and distribution of the impervious cover to determine the required water quality measures needed to meet the intent of the Louisa Stormwater Ordinance.*

____ 8. Permanent and temporary stabilization (vegetative and non-vegetative) - Describe how each portion of the site will be stabilized after construction is completed and during construction if warranted.

____ 9. Soil stockpiles and borrow areas - Describe how such areas will be protected during construction and the intentions for final stabilization of such areas.

____ 10. Construction schedule – A detailed sequence of construction must be documented.

____ 11. Maintenance schedule for erosion and sediment control practices - A schedule of regular inspections (at least weekly and after every rainfall) and repair of erosion and sediment control structures must be set forth.

____ 12. Maintenance agreement – A copy of the maintenance agreement for all permanent stormwater management practices (as described in Section 39-21 of the Louisa County Stormwater Management Ordinance) must be provided with the plan. (This agreement must be filed with the Louisa County Circuit Court.)

C. SITE PLAN:

____ 1. Water Resource Area – The Louisa County Water Resource Area (A, B, or C) in which the project is located must be noted on the cover sheet.

____ 2. Name and phone number of “Responsible Land Disturber” – This person must hold a valid “Responsible Land Disturber Certificate” from the Va. Department of Conservation and Recreation, and must be the member of the project or development team who will be in charge of and responsible for carrying out the land disturbing activity for the project.

____ 3. Vicinity map - Include a small map locating the site in relation to the surrounding area (specific enough to allow a person unfamiliar with the area to find the site). Include a description of access to the area if necessary.

- ____ 4. Scale of plan - The scale of the plan must be noted and must be of sufficient size to clearly convey the characteristics of the site and control measures.
- ____ 5. Existing contours - Contour interval must be five (5) feet or less (and *not* interpolated from a USGS topographic map).
- ____ 6. Existing vegetation - Tree lines, grassy areas, and unique vegetation must be shown.
- ____ 7. Soils - The boundaries of different soil types must be delineated.
- ____ 8. North arrow - A directional arrow must be noted.
- ____ 9. Critical areas - Areas which have the potential to present serious erosion or water quality problems must be delineated.
- ____ 10. Pre- and post-development drainage areas - Dividing lines, number of acres, and the direction of flow for each drainage area before and after development must be shown. Use separate plan sheets for clarity.
- ____ 11. Final contours - Changes to the existing contours must be shown. Use road profiles for road construction.
- ____ 12. Limits of disturbance - Areas to be cleared or graded and areas to be disturbed by construction traffic must be outlined.
- ____ 13. Location of practices - The locations of the *erosion and sediment control* and *stormwater management practices* to be used on the site must be shown. Erosion and sediment control practices must be shown using the symbols from the Virginia Erosion and Sediment Control Handbook. Stormwater management practices must be shown using the Minimum Standard numbers from the Virginia Stormwater Management Handbook.
- ____ 14. Detail drawings and specifications for structural practices - Any structural practices used must be illustrated with DETAILED DRAWINGS CONTAINING ALL DIMENSIONS AND SPECIFICATIONS. Practices must conform to the specifications of the Virginia Erosion and Sediment Control Handbook and the Virginia Stormwater Management Handbook.
- ____ 15. Specifications for vegetative practices - Include all SPECIFICATIONS for seed, lime, fertilizer, mulch, and blankets or matting for vegetative stabilization (temporary and permanent).
- ____ 16. Soil stockpiles and borrow areas - The locations of stockpiles and borrow areas must be shown with adequate protection measures included. If these locations are off-site, an addendum to the plan must be submitted to show the areas.

CERTIFICATION OF PLAN PREPARER:

I certify that the above checklist components are satisfied in the accompanying erosion and sediment control plan, unless I have attached a written variance request for the omitted components.

SIGNATURE OF PLAN PREPARER

DATE

PRINT NAME

PHONE NUMBER