

**CULPEPER SWCD EROSION & SEDIMENT CONTROL CHECKLIST**

Revised June 2005

Below is a checklist of all necessary components required to complete all Erosion and Sediment Control Plans submitted to the Culpeper Soil and Water Conservation District (CSWCD) as in accordance with the Virginia Erosion and Sediment Control Law, Title 10, Chapter 5, Article 4 of the Code of Virginia; VR 625-02-00 and Virginia’s Erosion and Sediment Control Regulations. The Plan preparer must sign, date, and attach the checklist to any Erosion and Sediment Control Plan to be reviewed by the CSWCD.

For questions please call the CSWCD at (540) 825-8591. Application forms for the 1992 Virginia Erosion and Sediment Control Handbook, 3rd Edition or the 1995 Virginia Erosion and Sediment Control Regulations (V.R. 625.02.00) may be obtained from the CSWCD office or online at [www.dcr.virginia.gov/sw/e&s.htm](http://www.dcr.virginia.gov/sw/e&s.htm).

I. Minimum Standards:

<u>YES</u> ____	<u>NO</u> ____	<u>N/A</u> ____	Each of the Minimum Standards of the 1995 Virginia Erosion and Sediment Control Regulations (V.R. 625.02.00) must be fulfilled. If a Minimum Standard is not addressed with a specific practice in the plan, the intent to satisfy must be <u>documented</u> in writing
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II. Plan Narrative: (The Plan Narrative is as important as the Site Plan. Contractors should be able to refer to all activities and specifications in the Plan Narrative).

<u>YES</u> ____	<u>NO</u> ____	<u>N/A</u> ____	1. Describe the nature and purpose of the land disturbing activity, the amount of grading involved, and number of disturbed acres (including number of acres disturbed by truck traffic).
____	____	____	2. Describe the existing topography, vegetation, and drainage.
____	____	____	3. Describe NEIGHBORING areas such as rivers, streams, lakes, residential areas, roads, etc., which might be affected by the land disturbance and post development drainage patterns.
____	____	____	4. Describe the SOILS on site including soil name, mapping unit, erodibility, permeability, depth, texture, structure, and hydrologic group of each soil.

YES   NO   N/A

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|-------|-------|-------|---|
| _____ | _____ | _____ | 5. Describe the <b>CRITICAL AREAS</b> on site that have potential to cause erosion or water quality problems due to the proposed land disturbing activity. Describe any <b>APPLICABLE PERMITS</b> obtained or applied. This includes any regulatory requirements administered by the US Army Corp of Engineers, Virginia Department of Environmental Quality, Virginia Department of Conservation and Recreation, and the Virginia Marine Resources Commission. |
| _____ | _____ | _____ | 6. Describe the <b>CONTROL MEASURES</b> which will be used to control erosion, sedimentation, and excessive runoff from the site.   |
| _____ | _____ | _____ | 7. Describe how site will be stabilized during and after construction with <b>PERMANENT</b> and/or <b>TEMPORARY</b> control measures.   |
| _____ | _____ | _____ | 8. Describe how the site will be balanced between cut and fill areas, off-site areas, borrow area, and <b>SOIL STOCKPILES</b> .   |
| _____ | _____ | _____ | 9a.If development of the site will cause increased peak rates of runoff, flooding, or downstream channel degradation, considerations should be given to stormwater control structures. <b>DESCRIBE</b> stormwater structures implemented and include <b>AREA, SIZE, VOLUME, and PRE &amp; POST DISCHARGES</b> .   |
| _____ | _____ | _____ | 9b. <b>CALCULATIONS</b> , verifying receiving channel adequacy in accordance with <b>MINIMUM STANDARD #19</b> . Verify onsite pipes and stormwater conveyance (including roadside ditches, storm sewers, sediment traps and basins, diversions, natural streams, etc.) must be included in the plan narrative. Include cross-sections of conveyance channels, hydrographs, and stage rating curve.  |
| _____ | _____ | _____ | 9c.The appropriate <b>CALCULATION</b> method must be used. Use the <b>RATIONAL METHOD</b> for drainage areas less than 200 acres, and the <b>PEAK DISCHARGE METHOD</b> for drainage areas greater than 200 acres.   |
| _____ | _____ | _____ | 10. Describe schedule of regular <b>MAINTENANCE</b> inspections (weekly and after normal rain events) and repair of erosion and sediment control structures. How will vegetation be managed during establishment?   |

### III. SITE PLAN

YES   NO   N/A

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|-----|-----|-----|---|
| ___ | ___ | ___ | 1. Provide engineer (s) / surveyor(s) / landscape architect (s) / names, address, telephone number, and registration seal.                                      |
| ___ | ___ | ___ | 2. Provide the owner (s) and/or developer (s) name, address, and telephone number.  |
| ___ | ___ | ___ | 3. Provide copy of APPLICABLE PERMITS with authorization signatures on COVER PAGE.  |
| ___ | ___ | ___ | 4. Provide a SMALL SCALE MAP locating the site (and access) in relation to the surrounding area. Include any landmarks which might assist in locating the site. |
| ___ | ___ | ___ | 5. Provide ORIGINAL PLAN DATES and all REVISION DATES with a brief description of the items revised.  |
| ___ | ___ | ___ | 6. Provide TITLES and numbering for all sheets.   |
| ___ | ___ | ___ | 7. Provide plan SCALE sufficient to clearly convey the characteristics of the site and control measures.  |
| ___ | ___ | ___ | 8. Show the location, width, and recordation information for all existing drainage easements.   |
| ___ | ___ | ___ | 9. Provide EXISTING CONTOURS at intervals no greater than five (5) feet.  |
| ___ | ___ | ___ | 10. Provide FINAL CONTOURS at intervals no greater than two (2) feet.   |
| ___ | ___ | ___ | 11. Show EXISTING VEGETATION (tree lines, grassy areas, or unique vegetation).  |
| ___ | ___ | ___ | 12. Show boundary of different SOIL TYPES.  |
| ___ | ___ | ___ | 13. Provide a NORTH ARROW on all sheets.  |
| ___ | ___ | ___ | 14. Clearly show CRITICAL AREAS which have potential to present serious erosion or water quality problems.  |

YES   NO   N/A

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|-------|-------|-------|---|
| _____ | _____ | _____ | 15. Provide a DRAINAGE MAP showing EXISTING and FINAL DRAINAGE DIVIDES (include: number of acres, direction of flow, "C" / CN numbers, rainfall, and discharges).   |
| _____ | _____ | _____ | 16. Provide a CONSTRUCTION SEQUENCE narrative specifying implementation of perimeter controls, sediment trapping structures, stabilization, and removal. Including how transitions from Phase I to Phase II will occur. |
| _____ | _____ | _____ | 17. Show the location and description of all existing and proposed drainage structures, pipes, roof drains, swales, ditches, curbs and channels and the direction of flow in each.                                      |
| _____ | _____ | _____ | 18. Provide CALCULATIONS SUMMARY TABLE for pre and post runoff rates, and drainage structure design parameters.   |
| _____ | _____ | _____ | 19. Show locations of erosion and sediment control practices and stormwater management practices on site using symbols in the <u>1992 Virginia Erosion and Sediment Control Handbook</u> .                              |
| _____ | _____ | _____ | 20. Show LIMITS OF LAND DISTURBANCE.  |
| _____ | _____ | _____ | 21. Show locations of STOCKPILES AND BORROW AREAS with adequate protection measures included. If these locations are off-site, an addendum to the plan must be submitted to show the areas.                             |
| _____ | _____ | _____ | 22. Illustrate DETAIL DRAWINGS AND SPECIFICATIONS containing all dimensions and specifications of any structural practices used.  |

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CERTIFICATION OF PLAN PREPARER:

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

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(signature of plan preparer)

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(date)

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(print name)

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(phone number)