

Spotsylvania County Environmental Codes Division
Site Plan Requirements and Submitter's Checklist

Please fill in all blanks and **please reference the plan sheets/pages where the information may be found**, where appropriate, or write N/A by items that are not applicable.

GENERAL

Project Name _____

VSMP Permit Number _____

Site Address _____

Applicant _____ Phone Number _____

Applicant E-mail Address _____

Owner _____ Phone Number _____

Owner E-mail Address _____

Principal Designer _____ Phone Number _____

Principal Designer E-mail Address _____

Total Disturbed Area SQ. FT _____ Total Disturbed Area Acreage _____

_____ **Professional's seal** - The designer's original seal, signature, and date are required on the *cover* sheet of each Narrative and each set of Plan Sheets. A copy is acceptable for subsequent Plan Sheets.

_____ **Complete set of plans** – Include all sheets pertaining to the site grading and stormwater and any activities impacting erosion and sediment control and drainage.

_____ **Variances** - Variances requested at the time of plan submission are governed by Section 9VAC25-840-50 of the *Virginia Erosion and Sediment Control Regulations*. Exceptions requested are governed by Section 9VAC25-870-57 of the *Virginia Stormwater Management Regulations*.

_____ **Grandfathering** - Attach supporting documentation consistent with the requirements of Section 9VAC25-870-48 of the *Virginia Stormwater Management Regulations*.

_____ **Offsite Compliance** – Attach letter of availability from the off-site provider as governed by Section 9VAC25-870-55 of the *Virginia Stormwater Management Regulations*.

CHECKLIST PREPARER

I certify that I am a professional in adherence to all minimum standards and requirements pertaining to the practice of that profession in accordance with Chapter 4 (§ 54.1-400 et seq.) of Title 54.1 of the Code of Virginia and attendant regulations. By signing this checklist, I am certifying that this document and all attachments are, to the best of my knowledge and belief, true, accurate, and complete.

SIGNATURE _____

PRINTED NAME _____

QUALIFICATIONS _____

DATE _____

NARRATIVE

Please reference plan sheet numbers where the information may be found.

A narrative that includes a description of current site conditions and proposed development and final site conditions, including proposed use of environmental site design techniques and practices, stormwater control measures, relevant information pertaining to long-term maintenance of these measures, and a construction schedule.

_____ Project description - Briefly describe the nature and purpose of the land-disturbing activity. Provide the area (acres) to be disturbed.

_____ Existing site conditions - A description of the existing topography (% slopes), ground cover, and drainage (on-site and receiving channels).

_____ Adjacent areas - A description of all neighboring areas such as residential developments, agricultural areas, streams, lakes, roads, etc., that might be affected by the land disturbance.

_____ Off-site areas - Describe any off-site land-disturbing activities that may occur (borrow sites, disposal areas, easements, etc.). Identify the Owner of the off-site area and the entity responsible for plan review. Include a statement that any off-site land-disturbing activity associated with the project must have an approved ESC Plan. Submit documentation of the approved ESC Plan for each of these sites.

_____ Soils - Provide a description of the soils on the site, giving such information as soil name, mapping unit, erodibility, permeability, surface runoff, and a *brief* description of depth, texture and soil structure. Show the site location on the Soil Survey, if it is available. Include a plan showing the boundaries of each soil type on the development site.

_____ Critical areas - A description of areas on the site that have potentially serious erosion problems or that are sensitive to sediment impacts (e.g., steep slopes, watercourses, wet weather / underground springs, etc.).

_____ Erosion and sediment control measures - A description of the structural and vegetative methods that will be used to control erosion and sedimentation on the site. Controls should satisfy applicable minimum standards and specifications in Chapter 3 of the 1992 *Virginia Erosion and Sediment Control Handbook* (VESCH) or more stringent local requirements.

_____ Management strategies / Sequence of construction - Address management strategies, the sequence of construction, and any phasing of installation of ESC measures.

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

_____ Maintenance of ESC measures - A schedule of regular inspections, maintenance, and repair of erosion and sediment control structures should be set forth.

_____ Calculations for temporary erosion and sediment control measures - For each temporary ESC measure, provide the calculations required by the standards and specifications.

_____ Stormwater management considerations - Will the development of the 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, including during construction.

_____ Specifications / Detail Drawings for erosion and sediment control measures - For each erosion and sediment control measure employed in the plan, include, at a minimum, the detail from the standard and specification in the VESCH or more stringent local requirements. Include any approved variances or revisions to the standards and specifications.

_____ Specifications for stormwater and stormwater management structures - Provide specifications for stormwater and stormwater management structures, i.e., pipe materials, pipe bedding, stormwater structures.

SITE PLANS

Please reference the plan sheet numbers where specific information may be found in the blanks below.

- _____ Common address and legal description of the site, including the tax reference number(s) and parcel number(s) of the property or properties affected.
- _____ Certified Responsible Land Disturber (RLD) - A certified RLD is required during all stages of construction, from the initial land disturbance through final site stabilization. **The name of the project RLD must be provided before any land disturbance may begin.** Notify Spotsylvania County in writing within a timely manner if the RLD changes during the course of the project.
- _____ Vicinity map - A small map locating the site in relation to the surrounding area. Include any landmarks that might assist in locating the site.
- _____ Indicate north - The direction of north in relation to the site.
- _____ Off-site areas - Include any off-site land-disturbing activities (e.g., borrow sites, disposal areas, etc.) not covered by a separate approved ESC Plan.
- _____ Legend - Provide a complete listing of all ESC measures used, including the VESCH uniform code symbol and the standard and specification number. Include any other items necessary to identify pertinent features in the plan.
- _____ Property lines and easements - Show all property and easement lines. For each adjacent property, list the deed book and page number and the property owner's name and address.
- _____ Existing vegetation - Show the existing tree lines, grassed areas, or unique vegetation.
- _____ Limits of clearing and grading - Delineate all areas that are to be cleared and graded.
- _____ Protection of areas not being cleared - Fencing or other measures to protect areas that are not to be disturbed on the site.
- _____ Critical areas - Note all critical areas on the plan.
- _____ Existing contours - Show the existing contours of the site.
- _____ Final contours and elevations - Show changes to the existing contours, including final drainage patterns.
- _____ Site development - Show all improvements such as buildings, parking lots, access roads, utility construction, etc. Show all physical items that could affect or be affected by erosion, sediment, and drainage.
- _____ 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.
- _____ Adequate Conveyances - Ensure that stormwater conveyances with adequate capacity and adequate erosion resistance have been provided for all on-site concentrated stormwater runoff. Off-site channels that receive runoff from the site, including those receiving runoff from stormwater management facilities, must be adequate. Increased volumes of sheet flows must be diverted to a stable outlet, adequate channel, pipe or pipe system, or a stormwater management facility.
 - Provide exhibits showing the drainage divides, the direction of flow, and the size (acreage) of each of the site drainage areas that discharge runoff off-site, both existing and proposed.
 - Provide calculations for pre- and post-development runoff from these drainage areas.
 - Ensure that Minimum Standard 19 is satisfied for each off-site receiving channel, including those that receive runoff from stormwater management facilities.
 - Provide calculations for the design of each permanent stormwater management facility.
 - Ensure that increased volumes of sheet flows are diverted to a stable outlet, to an adequate channel, pipe or pipe system, or to a stormwater management facility.
 - Provide adequacy calculations for all on-site stormwater conveyances.
- _____ Calculations for permanent stormwater conveyances - For each permanent stormwater

conveyance or structure, provide the following design calculations, as applicable:

- Drainage area map with time of concentration (T_C) path shown
- T_C calculation/nomograph
- Locality IDF curve
- Composite runoff coefficient or RCN calculation
- Peak runoff calculations
- Stormwater conveyance channel design calculations
- Storm drain and storm sewer system design calculations
- Hydraulic Grade Line if any pipe in the system is more than 90% full for a 10-year storm
- Culvert design calculations
- Drop inlet backwater calculations
- Curb inlet length calculations

_____ Direction of Flow for Conveyances - Indicate the direction of flow for all stormwater conveyances (storm drains, stormwater conveyance channels).

_____ Storm Drain Profiles - Provide profiles of all storm drains except roof drains. If the type of pipe (RCP, CMP, HDPE, etc.) is not called out on the profiles, then the most conservative pipe material that may be specified for the project must be used in the adequacy calculations.

_____ Existing and proposed mapping and plans (recommended scale of 1" = 50', or greater detail), which illustrates the following at a minimum:

- Demolition
- Storm sewer systems
- Stormwater management facilities
- Landscaping
- Existing and proposed topography (minimum of 2-foot contours recommended)
- Perennial and intermittent streams
- Mapping of predominant soils from USDA soils surveys as well as the location of any site-specific test bore hole investigations that may have been conducted and information identifying the hydrologic characteristics and structural properties of soils used in the installation of stormwater management facilities
- Boundaries of existing predominant vegetation and proposed limits of clearing and grading
- Location and boundaries of natural feature protection and conservation areas (e.g., wetlands, lakes, ponds, aquifers, public drinking water supplies, etc.) and applicable setbacks (e.g., stream buffers, drinking water well setbacks, septic drainfield setbacks, building setbacks, etc.)
- Identification of any on-site or adjacent water bodies included on the Virginia 303(d) list of impaired waters
- Current land use and location of existing and proposed roads, buildings, parking lots and other impervious areas
- Location and description of any planned demolition of existing structures, roads, etc.
- Proposed land use(s) with a tabulation of the percentage of surface area to be adapted to various uses, including but not limited to planned locations of utilities, roads, parking lots, stormwater management facilities, and easements
- Location of existing and proposed utilities [e.g., water (including wells), sewer (including septic systems), gas, electric, telecommunications, cable TV, etc.] and easements
- Earthwork specifications
- Show the BMP name, **geographic coordinates** and design of both structural and non-structural stormwater control measures, including maintenance access and limits of disturbance
- Storm drainage plans for site areas not draining to any BMP(s)

- Location of existing and proposed conveyance systems, such as storm drains, inlets, catch basins, channels, lateral groundwater movement interceptors (French drains, agric. tile drains, etc.), swales, and areas of overland flow, including grades, dimensions, and direction of flow
- Final drainage patterns and flow paths
- Location of floodplain/floodway limits and relationship of site to upstream and downstream properties and drainage systems
- Location of all contributing drainage areas and points of stormwater discharge, receiving surface waters or karst features into which stormwater discharges, the pre-development and post-development conditions for drainage areas, and the potential impacts of site stormwater on adjoining parcels
- Location and dimensions of proposed channel modifications, such as bridge or culvert crossings
- Final stabilization and landscaping plans

Hydrologic and hydraulic analysis, including the following:

- Site map with locations of design points and drainage areas (size in acres) for runoff calculations
- Identification and calculation of stormwater site design credits, if any apply
- Summary description of the water quantity and water quality compliance strategy.
- Time of concentration (and associated flow paths)
- Imperviousness of the entire site and each drainage area
- NRCS runoff curve numbers or volumetric runoff coefficients
- A hydrologic analysis for the existing (pre-development) conditions, including runoff rates, volumes, and velocities, showing the methodologies used and supporting calculations
- A hydrologic analysis for the proposed (post-development) conditions, including runoff rates, volumes, and velocities, showing the methodologies used and supporting calculations
- Hydrologic and hydraulic analysis of the stormwater management system for all applicable design storms
- Pollution load and load reduction requirements and calculations
- Final good engineering and sizing calculations for stormwater control measures, including contributing drainage areas, storage, and outlet configurations, verifying compliance with the water quality and water quantity requirements of the regulations
- Stage-discharge or outlet rating curves and inflow and outflow hydrographs for storage facilities
- Final analysis of the potential downstream impacts/effects of the project, where necessary
- Downstream analysis, where detention is proposed
- Dam safety and breach analysis, where necessary

Representative cross-section and profile drawings and details of stormwater control measures and conveyances which include the following:

- Existing and proposed structural elevations (e.g., inverts of pipes, manholes, etc.)
- Design water surface elevations
- Structural details of BMP designs, outlet structures, embankments, spillways, grade control structures, conveyance channels, etc.

Applicable construction and material specifications, including references to applicable material and construction standards (ASTM, etc.)

Landscaping plans for stormwater control measures and any site reforestation or revegetation

Long term operations and maintenance plan/agreement as governed by 9VAC25-870-112 of the

Virginia Stormwater Management Program Regulations.

- _____ Evidence of acquisition of all applicable local and non-local permits
- _____ Waiver/exception requests
- _____ Evidence of acquisition of all necessary legal agreements (e.g., easements, covenants, land trusts, etc.)
- _____ Applicable supporting documents and studies (e.g., infiltration tests, geotechnical investigations, TMDLs, flood studies, etc.)
- _____ Other required permits: _____

MINIMUM STANDARDS

Plan Sheet #

_____ **Minimum Standards - All Minimum Standards must be addressed.**

Yes No NA

- MS-1 Have temporary and permanent stabilization been addressed in the narrative?
- Are practices shown on the plan?
- Temporary and permanent seed specifications?
- Lime and fertilizer?
- Mulching?
- Blankets/Matting?
- Pavement/Construction Road Stabilization?

- MS-2 Has stabilization of soil stockpiles, borrow areas, and disposal areas been addressed in the narrative and on the plan?
- Have sediment trapping measures been provided?

- MS-3 Has the establishment and maintenance of permanent vegetative stabilization been addressed?

- MS-4 Does the plan specifically state that sediment-trapping facilities shall be constructed as a first step in land-disturbing activities?

- MS-5 Does the plan specifically state that stabilization of earthen structures is required immediately after installation? Is this noted for each measure on the plan?

- MS-6 Are sediment traps and sediment basins specified where needed and designed to the standard and specification?

- MS-7 Have the design and temporary/permanent stabilization of cut and fill slopes been adequately addressed? Is Surface Roughening provided for slopes steeper than 3:1?

- MS-8 Have adequate temporary or permanent conveyances (paved flumes, channels, slope drains) been provided for concentrated stormwater runoff on cut and fill slopes?

- MS-9 Has water seeping from a slope face been addressed (e.g., subsurface drains)?

- MS-10 Is adequate inlet protection provided for all operational storm drain and culvert inlets?

Yes No NA

- MS-11 Are adequate outlet protection and/or channel linings provided for all stormwater conveyance channels and receiving channels? Is there a schedule indicating:
 - Dimensions of the outlet protection? Lining? Size of riprap?
 - Cross section and slope of the channels? Type of lining? Size of riprap, if used?

- MS-12 Are in-stream protection measures required so that channel impacts are minimized?

- MS-13 Are temporary stream crossings of non-erodible material required where applicable?

- MS-14 Are all applicable federal, state and local regulations pertaining to working in or crossing live watercourses being followed?

- MS-15 Has immediate re-stabilization of areas subject to in-stream construction (bed and banks) been adequately addressed?

- MS-16 Have disturbances from underground utility line installations been addressed?
 - No more than 500 linear feet of trench open at one time?
 - Effluent from dewatering filtered or passed through a sediment-trapping device?
 - Proper backfill, compaction, and restabilization?

- MS-17 Is the transport of soil and mud onto public roadways properly controlled? (i.e., Construction Entrances, wash racks, transport of sediment to a trapping facility, cleaning of roadways at the end of each day, no washing before sweeping and shoveling)

- MS-18 Has the removal of temporary practices been addressed?
 - Have the removal of accumulated sediment and the final stabilization of the resulting disturbed areas been addressed?

- MS-19 Are properties and waterways downstream from development adequately protected from sediment deposition, erosion, and damage due to increases in volume, velocity and peak flow rate of stormwater runoff? Have adequate channels been provided on-site?

SPOTSYLVANIA COUNTY GENERAL EROSION AND SEDIMENT CONTROL NOTES

1. Contact the Spotsylvania County Environmental Codes Division, 540-507-7222, a minimum of two (2) business days prior to commencement of land disturbance activities. A pre-construction meeting is required for all commercial projects unless it is waived by the County Program Administrator.
2. Prior to commencement of any land disturbance activities, a land disturbance permit must be issued by the Spotsylvania County. An approved Erosion and Sediment Control Plan and bonding of the erosion and sediment control measures is required for permit issuance.
3. A separate land disturbance permit or an ESC plan amendment to this plan must be submitted to, and approved by Spotsylvania County prior to any off-site land disturbance (borrow / filling / disposal activities) associated with this project. If the off-site portion of the project is located within Spotsylvania County, additional E&S inspection fees will be required.
4. Erosion and sediment control measures shall be constructed and installed as a first step in any land- disturbing activity and shall be made functional before upslope land disturbance takes place. Initial clearing must be the minimum required to install erosion and sediment control measures and devices. Should either the Erosion and Sediment Control Narrative or Sequence of Construction conflict with this requirement, the conflicting portions of either will be determined to be invalid.
5. Where construction vehicle access routes intersect paved public roads, provisions shall be made to minimize the transport of sediment by tracking onto the paved surface. Where sediment is transported onto a public road surface, the road shall be cleaned thoroughly at the end of each day. Sediment shall be removed from the roads by shoveling or sweeping and transported to a disposal area.
6. Additional erosion and sediment control measures and devices may be required by the County Program Administrator or his designated agent if deemed necessary.
7. All erosion control devices shall be in place and functional at all times and if removed for construction progress, shall be replaced by the close of each workday.
8. Final removal of erosion control devices shall not occur until the County Program Administrator or his designated agent deems the site stabilized.
9. The owner shall install additional erosion and sediment control devices and measures if the Registered Land Disturber determines that such additional devices and measures are necessary.
10. Construction site operators are required to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality.
11. Construction site operators are required to control the transport of dust and other wind born contaminants as a result of land-disturbing, demolition and construction activities. The operator shall prevent the surface and air movement of airborne substances in accordance with STD and SPEC 3.39 of the Virginia Erosion and Sediment Control Handbook or as approved by the County Program Administrator or his designated agent.
12. Additional ESC measures are required during construction of well area to prevent any sludge from leaving site.
13. Properties located on public roads; approval is required from VDOT for work within the right of way.
14. Each lot or site shall have positive drainage away from dwelling structures with no pond of water. A minimum of 6" of fall within 10' of the dwelling.

15. All inspections shall be performed in accordance with the County's Alternative Inspections Program. All inspection results will be provided electronically via email and/or E-TrakiT System. Please contact your County Inspector and/or the County's Inspection Agent with any questions.
16. **Construction Waste Storage Note:** Prior to the issuance of a Certificate of Occupancy, all stockpiled materials, including but not limited to stumps, brush, and construction debris shall be removed from the property and disposed of in accordance with Chapter 19 of the County Code (Solid Waste) or any other state or federal regulations.
17. **PASS Note:** Due to recent findings of possible acid sulphate soils (PASS) within Spotsylvania County it is recommended that the developer, builders and engineers be aware that if acid sulphate soils as well as other soils that produce a pH of <4 are present on the project site extensive treatment to bring the soils acid/pH level to an acceptable level to sustain any form of plant growth may be required.
18. **Landscape Note:** Prior to development, the boundaries of the construction footprint shall be clearly marked on the property and suitable protective barriers shall be erected five (5) feet outside of the drip line of any tree or stand of trees to be preserved within 100 feet of the construction footprint. The barriers shall remain erected throughout all phases of construction. The storage of equipment, materials, debris, or fill shall not be allowed within the area protected by the barrier. Required landscape material, planting, and maintenance of best management practices shall conform to Chapter 6A of the Spotsylvania County Code.

SEEDING/STABILIZATION NOTES

1. Permanent or temporary soil stabilization shall be applied to denuded areas within seven (7) days after final grade is reached on any portion of the site.
2. Temporary soil stabilization shall be applied within seven (7) days to denuded areas that may not be at final grade but will remain dormant for longer than fourteen (14) days.
3. During construction of the project, if soil stock piles are required they shall be stabilized or protected with sediment trapping measures per VA ESC MS-1 and MS-2.
4. Stabilization measures shall be applied to earthen structures such as dams, dikes, and diversions immediately after installation.
5. A permanent vegetative cover shall be established on denuded areas not otherwise permanently stabilized. Permanent vegetation shall not be considered established until a ground cover is achieved that, in the opinion of the County Program Administrator or his designated agent, is uniform mature enough to survive and will inhibit erosion.
6. Residential Lots on Public Utilities: Sod shall be installed in order to provide vegetative stabilization on residential building lots of twelve thousand (12,000) square feet or less. Such sod shall be installed in accordance with the STD and SPEC 3.33 (Sod) of the Virginia Erosion and Sediment Control Handbook.

SILT FENCE NOTES

1. Silt fence and filter fabric must be entrenched.
2. Posts for silt fences shall be either 2-inch diameter oak, 4-inch diameter pine or 1.33 pounds per linear foot steel. Posts will be a minimum of 5 feet in length. Steel posts shall have projections for fastening wire to them.
3. Wire fence reinforcement for silt fences using standard strength filter cloth shall be a minimum of 42 inches in height, a minimum of 14 gauge and shall have a maximum mesh spacing of 6 inches.
4. Post shall be spaced a maximum of 10 feet apart at the barrier location and driven securely into the ground (a min. of 12 inches) when extra strength fabric is used. Without wire support fence, post spacing shall not exceed 6 feet.
5. When extra strength filter fabric and closer posting are used, the wire mesh support fence may be eliminated. In such case, the filter fabric is tabled or wired directly to the post.
6. Sediment must be removed when deposits reach approximately one-half the height of the barrier.
7. Any sediment deposits remaining in place after the silt fence or filter barrier is no longer must be dressed to conform with the existing grade, prepared and seeded.
8. Under no circumstances shall silt fence be installed in live streams.
9. Silt fence shall be removed upon completion of the project.

SWM FACILITIES INSPECTIONS/CERTIFICATIONS NOTES

1. Inspections of proposed stormwater management (SWM) facilities must be conducted at two phases of construction – “rough grading” and “final conformance”. County staff, the Developer or his/her representative, and the Developer’s engineer should be present at the inspections.
2. The Developer or his/her representative is responsible for notifying the Environmental Inspector at the appropriate times during construction when the inspections should occur. Failure to request the inspections may result in delay of final acceptance of the SWM facility. Three inches of topsoil is required for areas of the SWM facility that will be stabilized with vegetation.
3. The Developer or his/her representative is responsible for having a professional registered in the Commonwealth of Virginia present during SWM facility construction (including but not limited to initial site preparation, excavation/grading, installation of the embankment, principal outlet structure, and emergency spillway, etc.) to certify that the SWM facility is constructed in accordance with the approved site plan and so that appropriate information can be gathered for the as-built (construction record drawing).
4. An as-built (construction record drawing) prepared by a professional registered in the Commonwealth of Virginia is required for each permanent SWM facility and must be submitted to the Administrator for review and approval prior to termination of the Construction General Permit and/or release of the Erosion bond. The as-built must accurately depict as-built details such as, but not limited to inverts, lengths, depths, material types, and sizes, grading, and the location of all required components.

UTILITY NOTES

1. Underground utility lines shall be installed in accordance with the following standards in addition to other applicable criteria:
 - a. No more than 500 linear feet of trench may be opened at one time
 - b. Excavated material shall be placed on the uphill side of trenches
 - c. Effluent from dewatering operations shall be trapping device, or both, and discharged in a manner that does not adversely affect flowing streams or off-site property.
 - d. Re-stabilization shall be in accordance with the above Notes.
2. Construction access roads shall be located on the uphill side of the trench or over the trench whenever possible.
3. All work must be in compliance with applicable safety regulations.
4. All stream crossings and stream diversions require approval from the ESC Program Administrator prior to any instream work.

STREAM CROSSINGS/DIVERSIONS/WORK IN STREAMS NOTES

1. When a live watercourse must be crossed by construction vehicles or temporarily diverted, a plan/sketch showing appropriate details of the crossing/diversion must be submitted for approval to the ESC Program Administrator prior to any work involving the stream. The plan shall include but is not limited to all pipes, mats, channel details, erosion control devices, sequence for construction, etc. Guidelines for pipe diameters can be found in table 3.24-A of the Virginia Erosion and Sediment Control Handbook (VESCH). Channel liners will be in accordance with Section 3.25 of the VESCH.
2. No motorized equipment will at any time be within a waterway unless supported by floatation equipment or a temporary construction pad composed of clean non-erodible material (rocks, rip-rap, mats).
3. Clearing and grubbing of wetland areas will be kept to a minimum. All wetlands temporarily disturbed during construction will be restored to their original elevation, by removing excess material, grading and seeding with a wetland seed mix. In no case shall wetland areas be reseeded with any species of fescue.
4. The bed and banks of a watercourse shall be stabilized immediately after work in the watercourse has been completed.

RESOURCE PROTECTION AREAS, STREAM PROTECTION AREAS, WETLANDS, AND WATERS OF THE US

1. All applicable federal, state, and local regulations pertaining to working in or crossing live watercourses shall be met.
2. Prior to beginning any land disturbing activity, all Resource Protection Areas (RPAs), wetlands, and Waters of the U.S. (WOUS) not permitted for impact shall be delineated for protection with orange safety fence or non-tearable yellow and black barricade tape. This includes but is not limited to clearing limits associated with roadways, utilities, and buildings.
3. Additional restoration or replanting may be required for RPAs, wetlands, and WOUS disturbed during construction.

Chesapeake Bay Preservation Act

CBPA is an overlay district for the entire Spotsylvania County and the parcel described within this plan lies within the RMA features and (does/does not) contain RPA features within the Chesapeake Bay Preservation Area Overlay District.

If RPA exists:

The Resource Protection Area (RPA) is a 100-foot-wide buffer area that shall remain undisturbed and vegetated in accordance with Spotsylvania County Code Chapter 6A, Chesapeake Bay Preservation.

and,

The RPA was determined by field delineation by _____ (company name, etc.)

RESPONSIBLE LAND DISTURBER (RLD) POLICY

As a prerequisite to engaging in the land disturbing activities shown on this plan, the individual responsible for carrying out the plan and holding certificate of competence shall be identified (RLD). The RLD must be signed & certified on the cover sheet before plan can be approved. If the Engineer or plan preparer uses their certification for the plan approval a note must be presented next to the RLD certification that states, the plan certifier is only using their authority for plan approval. They will not be the site RLD and one will be presented before any land disturbance occurs.

1. The RLD will:

- A. Attend the Pre-Construction meeting and sign the approved plans.
- B. Inspect the ESC measures periodically at least once every two weeks, or within 48 hours of any runoff producing storm event.
- C. For projects with site area of 1 acre or greater, submit inspection reports using a standard form supplied by the County to the Environmental Inspector listing all deficiencies or stating no deficiencies were found, and
- D. Coordinate the implementation and maintenance of all erosion and sediment control measures in accordance with the approved plan. Any deviation from the approved plans will require approval of the plan approving authority.

Responsible Land Disturber Certificate:

RLD # _____

Name

Signature

Date

Site Plan Certificate:

Engineer Certification:

I hereby certify that to the best of my knowledge and belief this plan is correct and complies with Chapter 6A of the Spotsylvania County Code, and that I am a qualified professional licensed in Virginia.

VA License #: _____

Signature

Date