

VIRGINIA TECH STANDARD GENERAL EROSION AND SEDIMENT CONTROL NOTES

- ES-1 – Unless otherwise indicated, all vegetative and structural Erosion and Sediment Control practices shall be constructed and maintained in accordance with the Virginia Tech Annual Standards and Specifications for Erosion and Sediment Control and Stormwater Management and the Virginia Erosion and Sediment Control Handbook (VESCH), Latest Editions. The Contractor can use manufactured Erosion and Sediment Control measures with prior approval from VTSID.
- ES-2 – Virginia Tech Site and Infrastructure Development shall be notified one week prior to the pre-construction conference, one week prior to the commencement of land disturbing activity, and one week prior to the final inspection.
- ES-3 – All Erosion and Sediment Control measures are to be placed prior to or as the first step in clearing.
- ES-4 – The narrative prepared for the plan is part of the plans and shall be used in conjunction with the plans. A copy of the approved Erosion and Sediment Control plan and narrative and the relevant VESCH sections, shall be maintained on the site at all times.
- ES-5 – Prior to commencing land disturbing activities in the areas other than indicated on the these plans (including, but not limited to, off-site borrow or waste areas), the contractor shall submit a supplementary Erosion and Sediment Control plan to Virginia Tech Site and Infrastructure Development for review and approval.
- ES-6 – Install additional Erosion and Sediment Control measures as required to prevent sediment-laden runoff from leaving the site, and as determined by Virginia Tech Site and Infrastructure Development.
- ES-7 – All disturbed areas are to drain to approved sediment control measures at all times during land disturbing activities and during site development until final stabilization is achieved.
- ES-8 – During dewatering operations, water will be pumped into an approved filtering device.
- ES-9 – For the purposes of plan approval, the engineer of record for the Erosion and Sediment Control plan and narrative will be the certified Responsible Land Disturber for this project up to the award of the contract. Upon award of the contract, the contractor shall have a certified Responsible Land Disturber for this project.
- ES-10 – The Responsible Land Disturber shall be added to the plan at the pre-construction conference.
- ES-11 – The Responsible Land Disturber shall inspect Erosion and Sediment Control measures and practices for proper installation and deficiencies immediately after each runoff-producing rainfall event, at least daily during prolonged rainfall, and bi-weekly when no rainfall events occur. Any necessary repairs or cleanup to maintain the effectiveness of the Erosion and Sediment Control measures shall be made immediately.
- ES-12 – As the Erosion and Sediment Control plan approving authority, Virginia Tech Site and Infrastructure Development may revise the approved plan if inspection reveals that the approved plan is inadequate to satisfy applicable standards.
- ES-13 – Store excavated topsoil in topsoil stockpiles within the limits of construction with silt fence on the downslope side in accordance with the VESCH, latest edition.
- ES-14 – All disturbed areas not otherwise hardscaped and stabilized are to be seeded in accordance with the seeding specifications in the VESCH, latest edition.
- ES-15 – Seed and mulch all soil stockpiles and materials left undisturbed in accordance with the VESCH, latest edition.

ES-16 – All culvert inlet protection and storm drain inlet protection must remain in place until final upslope stabilization is achieved.

ES-17 – The following Erosion and Sediment Control measures require certification by the design professional upon installation and prior to commencing general site construction. If these measures are not utilized then the plan shall state that fact.

- A. Sediment Basin
- B. Conveyance Channels
- C. Detention Basins serving as Sediment Basins

ES-18 – Soil test shall be done by Virginia Tech Extension Service or other approved testing services prior to seeding. The soil test should determine a minimum of the following: mechanical analysis; magnesium, potassium, and phosphorus levels; soluble salt level; pH; organic matter and recommended amendments. Soil tests shall be taken from each contiguous planting area. The soil test results and recommended amendments shall be submitted to the Professional and VTSID. Nutrients listed shall be evaluated in terms of “plants available” nutrients.

ES-19 – Topsoil shall be obtained from in-site or off-site sources, as applicable to provide 6-inch minimum depth over all areas disturbed during construction. Topsoil shall be fertile, friable loam, containing not less than 2% by weight of finely divided, decomposed vegetable matter. Topsoil shall be free of subsoil, clay lumps, brush, weeds, roots larger than ½ inch diameter, stones larger than ½ inch diameter, and other material toxic or harmful to growth. Topsoil shall be free of plant parts or Bermudagrass, Quackgrass, Johnsongrass, Mugwort, Nutsedge, Poison Ivy, Canadian Thistle or others as specified.

- A. Topsoil shall meet acceptable soil test levels as specified in soil testing. A certificate of soil test analysis must be submitted to the Professional for approval before any topsoil is delivered to the project.
- B. Topsoil salvaged from the site shall be tested as specified in soil testing. If tests show deficiencies, the soil shall be amended to comply with acceptable soil test results or replaced with acceptable soil.
- C. Topsoil installed on-grade shall attempt to match existing soil texture except for situations where a clay subsoil exists. Where a clay subsoil exists, use loam or silt loam topsoils.

ES-20 – Contactor is responsible for getting approval of grass seed mixture from VTSID to verify compliance with VESCH Specification 3.32. This approval is required prior to final site stabilization.