

## CHECKLIST FOR EROSION AND SEDIMENT CONTROL PLANS

\_\_\_\_\_ \*Minimum Standards – Minimum Standards must be listed and address.

### NARRATIVE

\_\_\_\_\_ Project description – Briefly describes the nature and purpose of the land-disturbing activity, and the area (acres) 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.

\_\_\_\_\_ 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 meet the specifications in Chapter 3.)

\_\_\_\_\_ 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.

\_\_\_\_\_ Calculations – Detailed calculations for the design of temporary sediment basins, permanent stormwater detention basins, diversions, channels, etc. Include calculations for pre-and post-development runoff.

### 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 of different soil types.
- \_\_\_\_\_ 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 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 controls and stormwater management practices used on the site. Use the standard symbols and abbreviations in Chapter 3 of the VESCH.
- \_\_\_\_\_ 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 E&S 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.

## **EROSION CONTROL NOTES**

1. Unless otherwise indicated, all vegetative and structural erosion and sediment control practices will be constructed and maintained according to minimum standards and specifications of the Virginia Erosion and Sediment Control Handbook and Virginia Regulations VR 625-02-00 Erosion and Sediment Control Regulations.
2. All erosion and sediment control measures are to be placed prior to or as the first step in clearing. If during construction, additional erosion control devices are found necessary, they shall be installed as directed by the Department of Community Development.
3. A copy of the approved erosion and sediment control plan shall be maintained on the site at all times.
4. No disturbed area will be denuded for more than 30 calendar days.
5. All storm and sanitary sewer lines not in streets are to be mulched and seeded immediately after backfill. No more than five hundred (500) feet are to be open at one time.
6. Electric power, telephone, and gas supply trenches are to be compacted, seeded and mulched immediately after backfill.
7. All temporary earth berms, diversions, and silt dams are to be mulched and seeded for vegetative

- cover immediately after grading. Straw or hay mulch is required. The same applies to all soil stockpiles.
8. During construction, all storm sewer inlets will be protected by silt traps, maintained and modified as required by construction progress.
  9. Any disturbed area not paved, sodded, or built upon by November 1st, is to be seeded on that date with oats, abruzzi, rye or equivalent and mulched with hay or straw mulch. Modify as applicable depending on proposed time of construction.
  10. The contractor shall inspect all erosion control measures periodically and after each runoff-producing rainfall event. Any necessary repairs or cleanup to maintain the effectiveness of the erosion control devices shall be made immediately.
  11. During dewatering operations, water will be pumped into an approved filtering device.
  12. Prior to commencing land disturbing activities in areas other than indicated on these plans (including, but not limited to, off-site borrow or waste areas), the contractor shall submit a supplementary erosion control plan to the owner for review and approval by the Department of Community Development.