



# KNOX COUNTY, TENNESSEE

## EROSION PREVENTION AND SEDIMENT CONTROL PLAN CHECKLIST

Date: \_\_\_\_\_ Number of times reviewed (including this one): \_\_\_\_\_

Project Name: \_\_\_\_\_ Type of review requested: \_\_\_\_\_

Address: \_\_\_\_\_

Zoning Classifications: \_\_\_\_\_ Variances? (BZA, Use on Review, Co. Commission, etc.)  Yes  No

Nature of Variances: \_\_\_\_\_

***This checklist presents the required elements of an erosion prevention and sediment control (EPSC) plan. This checklist shall be submitted to Knox County Engineering along with the EPSC plan. Each element presented in this list shall be checked "Yes", as applicable to the site. Checks placed under the "No" column shall be justified in a written statement attached to this checklist. Elements of the EPSC plan that are not applicable for the site shall be marked as "N/A".***

Yes  No  N/A

**1. Date of EPSC plan and date of any revision(s) on plan sheets**

Yes  No  N/A

**2. Seal/signature of responsible plan preparer**

*The following information must be submitted if a stormwater management plan is not being submitted at the same time as the EPSC plan. If a stormwater management plan is being submitted, items 3a through 3f can be omitted from the EPSC plan.*

**3. Vicinity map including:**

Yes  No  N/A

a. North arrow

Yes  No  N/A

b. Scale

Yes  No  N/A

c. Adjacent roadways

Yes  No  N/A

d. Boundary lines of site

Yes  No  N/A

e. Onsite and nearby watercourses

Yes  No  N/A

f. Other necessary information to locate the development site

**4. Owner Contact Information**

Yes  No  N/A

a. Name

Yes  No  N/A

b. Address

Yes  No  N/A

c. Email address

Yes  No  N/A

d. Phone number

**5. Operator contact information, if different from owner**

Yes  No  N/A

a. Name

Yes  No  N/A

b. Address

Yes  No  N/A

c. Email address

Yes  No  N/A

d. Phone number

**6. Land use and drainage**

Yes  No  N/A

a. Description of the existing and proposed land use/project or the reason for grading

Yes  No  N/A

b. Drainage patterns

Yes  No  N/A

c. Drainage problems

Yes  No  N/A

d. Floodplain status within the development

**7. Maps (to scale) which clearly show the following items:**

Yes  No  N/A

a. A priority construction activity notation, if applicable. If the site is considered a priority construction activity, the following statement must be included on all map pages: "***This site is a Priority Construction Activity.***" For more information, see Volume 2, Chapter 9 of the Knox County Stormwater Management Manual.

b. The following lines with accurate bearings and distances:

Yes  No  N/A

- Property boundaries

Yes  No  N/A

- Lot lines

Yes  No  N/A

- Right-of-way lines of streets and/or Joint Public Easements

Yes  No  N/A

- Utility access or other easements

c. Topographic contours

Yes  No  N/A

- Existing topographic contours presented at a 2-foot interval

Yes  No  N/A

- Proposed topographic contours presented at a 2-foot interval

Yes  No  N/A

- Spot elevations or 1-foot contour intervals where 2-foot contours do not adequately depict the grading

Yes  No  N/A

d. Soil types

Yes  No  N/A

e. Wetlands

Yes  No  N/A

f. Watercourses

Yes  No  N/A

g. Water bodies

Yes  No  N/A

h. Sinkholes

Yes  No  N/A

i. Springs

Yes  No  N/A

j. Intermittent conveyances

Yes  No  N/A

k. Wet-weather conveyances



**7. Maps (to scale) which clearly show the following items (continued) :**

I. Location of :

- Yes     No     N/A
- Yes     No     N/A
- Yes     No     N/A
- Yes     No     N/A
- Yes     No     N/A
- Yes     No     N/A

- 100-year floodplain
- 500-year floodplain
- 100-year regulatory floodway
- Required minimum floor elevations (MFEs)
- 1/2 flood fringe line (also called the "floodplain no-fill" line)

m. An Environmental Features Inventory, which shows the boundaries of streams (stream names must be shown if known), wetlands, sinkholes, springs, steep slopes (≥15%), forested areas and grassed areas. This requirement may be superseded where a regional conservation plan, such as the Beaver Creek Infrastructure Plan, exists. In such cases, the environmental features and protection corridors identified in the plan must be shown. Where a regional conservation plan exists, it may be possible to obtain such data from KGIS.

- Yes     No     N/A
- Yes     No     N/A
- Yes     No     N/A
- Yes     No     N/A
- Yes     No     N/A
- Yes     No     N/A

- n. EPSC measures for each phase of grading
- o. Location(s) of any existing and proposed stormwater management structures or facilities
- p. Limits of proposed clearing, grading, filling and/or other land disturbing activities
- q. Location(s) of water quality buffer areas and areas that will be preserved/conserved as natural space
- r. Outfall points for stormwater discharges from the site
- s. Established benchmark of known elevation to which every other elevation is referenced
- t. Horizontal control

**8. A general description of:**

- Yes     No     N/A
- Yes     No     N/A
- Yes     No     N/A

- a. Existing soil types and characteristics
- b. Any anticipated soil erosion and sedimentation problems resulting from existing characteristics

**9. The calculations for peak discharges for existing stormwater runoff leaving any portion of the site for the 2-year, 24-hour storm event. For priority construction activities, peak discharges must be shown for the 5-year, 24-hour storm event. Include an estimate of the runoff coefficient of the site before construction.**

- Yes     No     N/A

**10. The calculations for peak discharges for stormwater runoff leaving any portion of the site after construction is complete for the 2-year, 24-hour storm event. For priority construction activities, peak discharges must be shown for the 5-year, 24-hour storm event. Include an estimate of the runoff coefficient of the site after construction is complete.**

- Yes     No     N/A

**11. The design calculations, construction and maintenance details for: EPSC best management practices (BMP's), including sediment basins, silt fencing, check dams, channels and ditches, pipe outlets, construction entrances and other BMPs.**

- Yes     No     N/A

**12. Seeding and stabilization specifications, including temporary and permanent groundcovers, mulch and mulching rates, soil amendments, and methods for anchoring mulch.**

- Yes     No     N/A

**13. The manufacturer's installation and maintenance guidance for proprietary EPSC that are proposed for use.**

- Yes     No     N/A

**14. A construction sequence addressing the following:**

- Yes     No     N/A
- Yes     No     N/A
- Yes     No     N/A
- Yes     No     N/A
- Yes     No     N/A
- Yes     No     N/A

- a. All major construction activities indicating the anticipated start and completion dates of development
- b. The sequence of land disturbance activities and subsequent stabilization
- c. The phasing of land-disturbing activities for the project
- d. The perimeter measures that will be installed prior to commencing land-disturbing activities
- e. Installation and maintenance of all EPSC BMPs at each phase of grading

**15. A description of controls to be implemented on-site to manage construction related wastes. Such details should include, but are not limited to: the construction/location of vehicle wash pads; litter and waste materials control; sanitary and chemical waste control, and concrete truck washout areas.**

- Yes     No     N/A

**16. A general description of the method(s) used to ensure that water quality buffers and preserved natural areas will remain undisturbed during grading and construction.**

- Yes     No     N/A

**17. A copy of the Tennessee Construction General Permit Notice of Coverage and Stormwater Pollution Prevention Plan submitted to TDEC for the land disturbing activities detailed in the EPSC plan.**

- Yes     No     N/A

**18. A listing of any legally protected State or Federally listed threatened or endangered fauna and/or critical habitat that may be impacted by the development, and the best management practices that will be utilized to eliminate impacts. Note: the potential for endangered species impacts must be determined by the United States Fish & Wildlife Service. See Volume 1, Chapter 4 of the Knox County Stormwater Management Manual for more information.**

- Yes     No     N/A

**19. Any other information deemed necessary and appropriate by the permit applicant, owner or operator or as requested by the Director.**

- Yes     No     N/A

**20. The following statement is required on all EPSC plans:**

*"Adequate drainage, erosion and sediment control measures, best management practices, and/or other stormwater management facilities shall be provided and maintained at all times during construction. Damages to adjacent property and/or the construction site caused by the contractor's or property owner's failure to provide and maintain adequate drainage and erosion/sediment control for the construction area shall be the responsibility of the grading permittee."*