



**Targeted Constituents**

<input checked="" type="radio"/> Significant Benefit		<input type="radio"/> Partial Benefit		<input type="radio"/> Low or Unknown Benefit	
<input checked="" type="radio"/> Sediment	<input type="radio"/> Heavy Metals	<input type="radio"/> Floatable Materials	<input type="radio"/> Oxygen Demanding Substances		
<input type="radio"/> Nutrients	<input type="radio"/> Toxic Materials	<input type="radio"/> Oil & Grease	<input type="radio"/> Bacteria & Viruses	<input type="radio"/> Construction Wastes	

**Description** Standard details can be obtained from the Tennessee Department of Transportation (TDOT) by contacting the main office in Nashville. Alternatively, TDOT standard details are available at the following website:  
[http://www.tdot.state.tn.us/Chief\\_Engineer/engr\\_library/design/Std\\_Drwg\\_Eng.htm](http://www.tdot.state.tn.us/Chief_Engineer/engr_library/design/Std_Drwg_Eng.htm)

There are well over 300 standard detail drawings that are produced by TDOT. These drawings are primarily intended for state roadway construction projects, but are also widely used by public and private entities for all types of construction work.

TDOT standard details are grouped into 7 categories. This BMP only lists the standard details for one category: Erosion Control and Landscaping. Other categories include various types of drainage items and structures (such as TDOT standard catch basins, manholes, headwalls, culverts, etc).

**Approach** There are some differences between TDOT standard details and the various details in the Knoxville BMP Manual. In most cases, the differences are relatively minor. Use the more stringent standard whenever possible to ensure adequate erosion and sediment control. The phrase - “If something is worth doing, then it is worth doing right.” – is always applicable to every type of construction work, including erosion control.

TDOT standard details may not be altered or modified without the express consent of the TDOT organization. Portions of TDOT standard details may be redrawn, as long as the resulting detail is not then labeled as being a TDOT standard detail.

Most standard details refer to the various sections and pay items in the TDOT Standard Specifications for Road and Bridge Construction (reference 172). This reference can be obtained from TDOT by contacting the main TDOT office in Nashville, or by downloading from the following website:

<http://www.tdot.state.tn.us/construction/specbook.htm>

**Limitations** Verify that the TDOT standard detail is appropriate for the situation. Verify that the dimensions and slopes allow for proper installation of erosion control measures. Erosion control measures must be regularly inspected and maintained in the field. Consult the TDOT Standard Specifications for Road and Bridge Construction for a complete description of materials.

**List of Details** The following list only contains the TDOT standard details under the category Erosion Control and Landscaping.

<u>Drawing #</u>	<u>Title</u>
RD-L-4	Standard Legend for Erosion and Sediment Control
EC-STR-1	Pay Items, General Notes & Temporary Dewatering Structure
EC-STR-2	Temporary Sediment Filter Bags
EC-STR-3D	Temporary Enhanced Silt Fence
EC-STR-3E	Erosion Control Fabric Joining Details
EC-STR-4	Temporary Erosion Ditch Check Using Enhanced Silt Fence
EC-STR-4A	Temporary Erosion Ditch Check Using Enhanced Silt Fence In A Triangular Cross-Section Ditch
EC-STR-5	Straw or Hay Bale or Fabric Temporary Erosion Checks
EC-STR-6	Rock Check Dams
EC-STR-7	Temporary Sediment Trap with Temporary Silt Screen Check Dam
EC-STR-11	Rock Silt Screens
EC-STR-12	Temporary Rock Sediment Dam
EC-STR-13	Temporary or Permanent Rock and Earth Sediment Dam
EC-STR-15	Sediment Basin Type I
EC-STR-16	Sediment Basins Riser and Collar Appurtenances
EC-STR-17	Sediment Basin Type I Dam Details
EC-STR-19	Catch Basin Protection
EC-STR-21	Permanent Rip-Rap Basin Energy Dissipator
EC-STR-25	Temporary Road Stabilization and Temporary Culvert Crossing
EC-STR-27	Temporary Slope Drains and Berms
EC-STR-29	Permanent Erosion Pipe (Slope Drain)
EC-STR-31	Temporary Diversion Channels
EC-STR-34	Installation Detail for Erosion Control Blankets
EC-STR-36	Installation Detail for Flexible Channel Liner
EC-P-10	Typical Roadway Landscape Planting Details
EC-P-11	Typical Mature Plant Spread and Criteria for Proximity to Roadway
EL-W-1	Details of Tree Walls
EL-W-2	Standard Gravity-Type Retaining Walls

The first drawing (RD-L-4) contains a standardized legend for TDOT projects. This legend is not required for erosion control drawings in the City of Knoxville, and is only listed here as an example.

Remember to check the TDOT website to verify the latest revision date prior to using the TDOT standard details in a set of construction plans.

[http://www.tdot.state.tn.us/Chief\\_Engineer/engr\\_library/design/Std\\_Drwg\\_Eng.htm](http://www.tdot.state.tn.us/Chief_Engineer/engr_library/design/Std_Drwg_Eng.htm)

**References** 172, TDOT websites (see BMP Manual Chapter 10 for list)