

**SP3020 (07-22-10)**

**SECTION 03020 - EROSION MATERIALS**

*(Follow all instructions. If there are no instructions above a subsection, paragraph, sentence, or bullet, then include them in the project but make necessary modifications to only include project specific specifications. Delete specifications that do not apply to the project.)*

Section 03020, which is not a Standard Specification, is included in this Project by Special Provision.

**Description**

**03020.00 Scope** - This Section includes the requirements for erosion control materials.

**Materials**

**03020.10 Commercially Manufactured Compost** - Furnish commercially manufactured compost that:

- Is processed through thermophilic composting meeting the EPA's definition of "Process to Further Reduce Pathogens".
- Is from a commercial compost facility that holds a current DEQ composting permit or is registered with DEQ as a composting facility.
- Meets the requirements of the US Composting Council (USCC) and it's Seal of Testing Assurance (STA) program.
- Contains a minimum 65% by volume of the following recycled plant waste:
  - Source-separated yard and garden wastes
  - Wood wastes
  - Agricultural crop residues
  - Wax-coated cardboard
  - Preconsumer vegetative food wastes
  - Other similar source-separated materials that the DEQ has determined to have a comparable low level of risk in hazardous substances, human pathogens, and physical contaminants.
  - Manure or biosolids based composts when approved.
- Meets the following compost particle size and media parameters:

**Compost Particle Size**

Sieve Size	Compost Type		
	Fine*	Medium*	Coarse**
	Minimum Percent Passing (By Dry Weight)		
3"	100	100	100

1"	–	90	90
3/4"	–	65	70
5/8"	95	–	–
<b>Maximum Percent Passing (By Dry Weight)</b>			
1/4"	–	50	30
* maximum 3 inch particle length ** maximum 6 inch particle length			

**Media Parameters**

<b>Test</b>	<b>Test Method</b>	<b>Requirements</b>	
Physical Contaminants*	TMECC** 03.08-A	Less than 1.0%	
Organic Matter	TMECC** 05.07-A	35% (Minimum)	
pH	TMECC** 04.11-A	6.0 to 8.5	
Soluble Salt Concentration	TMECC** 04.10-A	5 dS/m (Maximum)	
Total Carbon Total Nitrogen	TMECC** 04.02-D TMECC** 04.02-D	Carbon/Nitrogen Ratio	
		Fine	Medium & Coarse
		<25:1	n/a
Stability	TMECC** 05.08-B	8 or below	
Maturity	TMECC** 05.05-A	80% or Greater	
Moisture Content	TMECC** 03.09-A	35-60% (Wet Weight)	
* Man-made Inert ** Test Methods for Evaluation of Compost and Composting			

**03020.90 Acceptance** - Acceptance of commercially manufactured compost material will be the following:

- Quality compliance certification according to 00165.35.
- Copies of STA lab analysis.
- Copy of DEQ permit or registration of the compost producer.