

Current Topsoil Specification 3877-3 (in MnDOT 2005 Spec Book)

C Premium Topsoil Borrow

Premium topsoil borrow for use as a plant growing medium in critical areas and top dressing erosion stabilization mats shall be screened and pulverized and meet the requirements of Table 3877-3:

Table 3877-3 Premium Topsoil Borrow Requirement		
	Minimum	Maximum
Material Passing 2.0 mm (#10) Sieve	95%	--
Clay	10%	25%
Silt	25%	60%
Sand & Gravel	25%	60%
Organic Matter	5%	15%
pH	6.0	7.1
Soluble Salts	--	0.15 siemens/m 1.5 mmho/cm

New Topsoil Specification 3877-3 (MnDOT 2014 Spec Book)

A Common Topsoil Borrow

Provide Common topsoil borrow ranging from a silt loam, loam, clay loam, sandy clay loam, or sandy loam soils for general use as a turf growing medium and in accordance with Table 3877-1. Common Topsoil Borrow is a blend of Type A and/or Type B horizon soils defined in the soil profile section of the Grading and Base Manual, and is similar to topsoil found adjacent to the project.

Table 3877-1 Common Topsoil Borrow		
Requirement	Range	Test Method
Material Passing the ¾ in [19 mm]	100 %	ASTM D 422
Material passing No. 4 [4.75 mm]	≥ 85%	—
Clay	5% – 40%	ASTM D 422
Silt	10% – 60%	ASTM D 422
Sand	20% – 65%	ASTM D 422
Organic matter	3% – 20%	ASTM D 2974
pH	6.1 – 7.8	ASTM G 51