US ERA ARCHIVE DOCUMENT

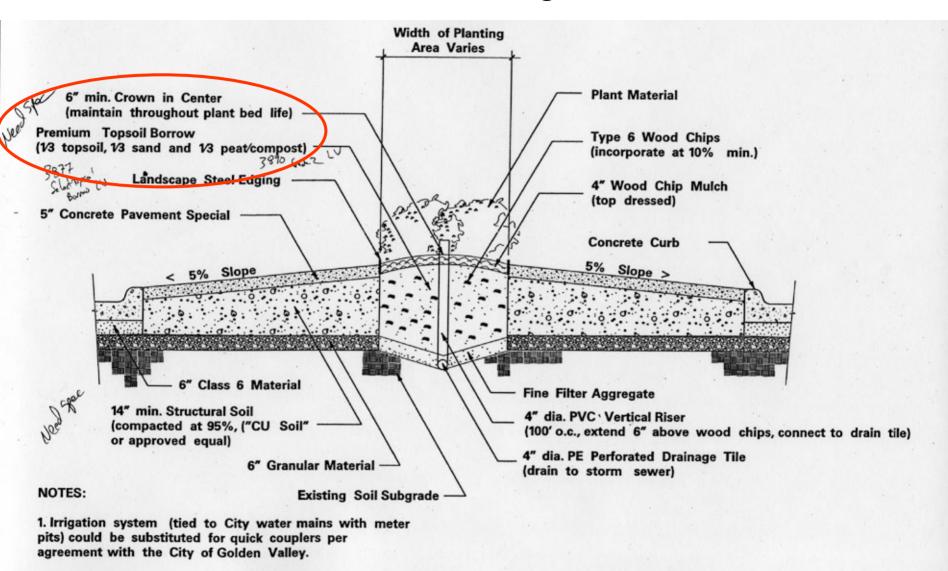
Engineered Water Quality Soils

- Median Planters
 - 33% existing soil, 33% sand, 33% Compost
- Rainwater Garden
 - 90% sand (3149), **10% compost** (3890)
 - -80% sand, 20% compost
 - 70% sand, **30% compost**
 - 50% sand, **50% compost**
 - 33% existing soil, 33% sand, 33% Compost
- Living Slopes, Ditches, rooting media
 - 50% topsoil borrow, **50% compost**





Median Planting Details



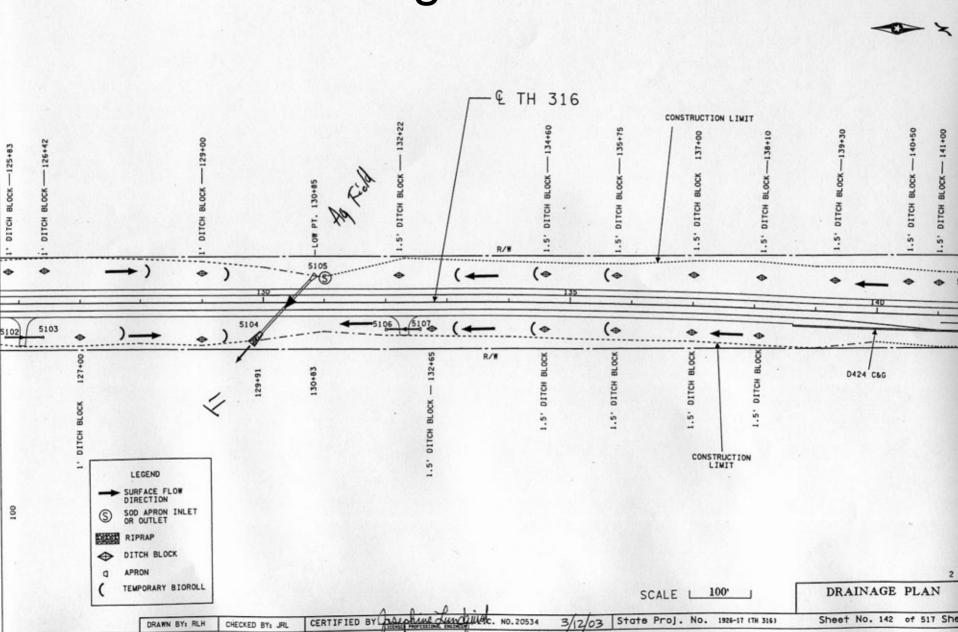
2. Snow plowing should direct all snow away from median.

PROJECT MANAGER	DATE	KEW	9/10/201	238/7	antia.	STATE OF MINNESOTA	h.u	
Mn/DOT Metro Division: Beth Neuendorf	9-19-2001		- 11.11 con -	7/ /	2 D	STATE OF MEMORISOTA DEPARTMENT OF TRANSPORTATION OFFICE OF BOWNOODSUTAL MEMORIS LANGUAGE UNIT TRANSPORTATION BUILDING	DULUTH ST. MEDIAN LANDSCAPE PLA	
Mn-DOT Office of Environmental: Karl Weissenborn	1119	-	UNDERNY MORTICE TOPICS	CENTER HOME		TRANSPORTATION BUILDING	STATE PROJECT NO 2725-172 /T H 100)	CHEET MA OF 36





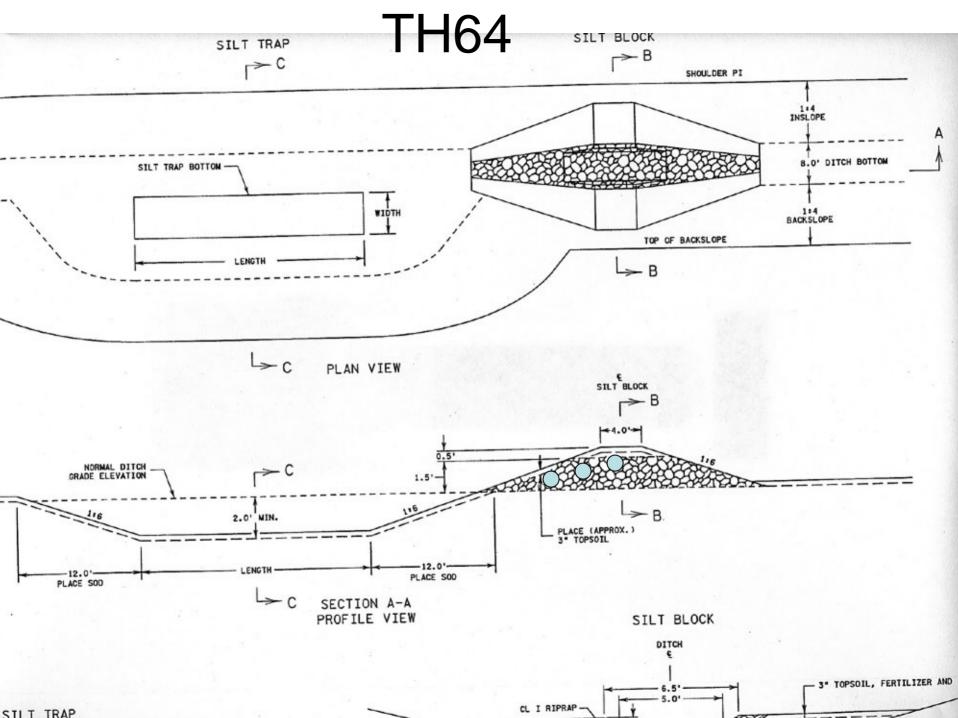
Vertical Drainage Ditches/Bioswales













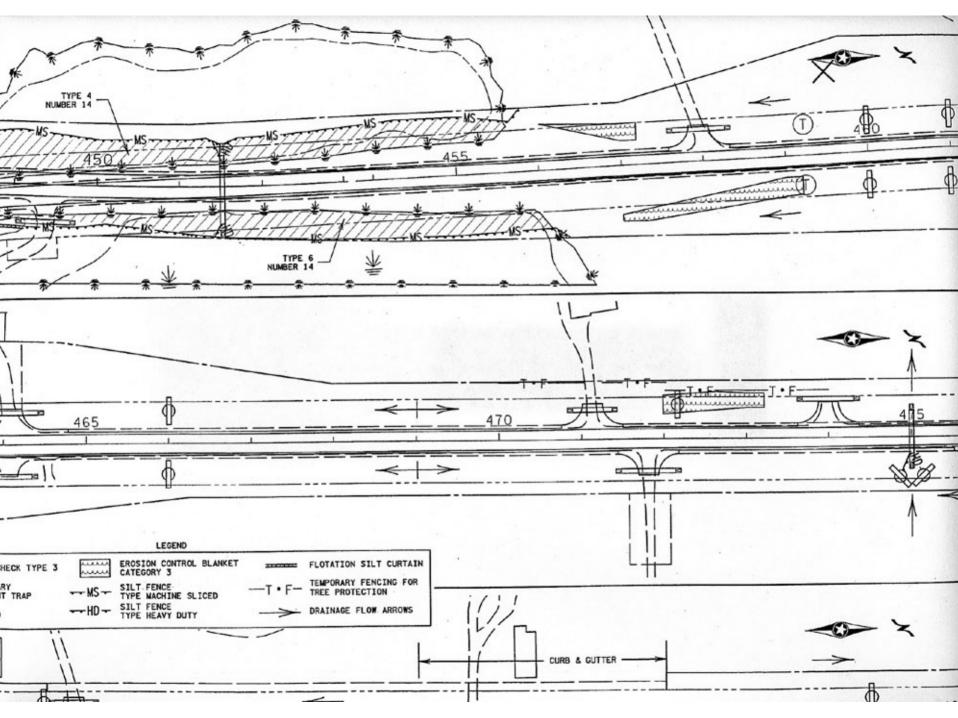
S-xxx (2573) Compost Log

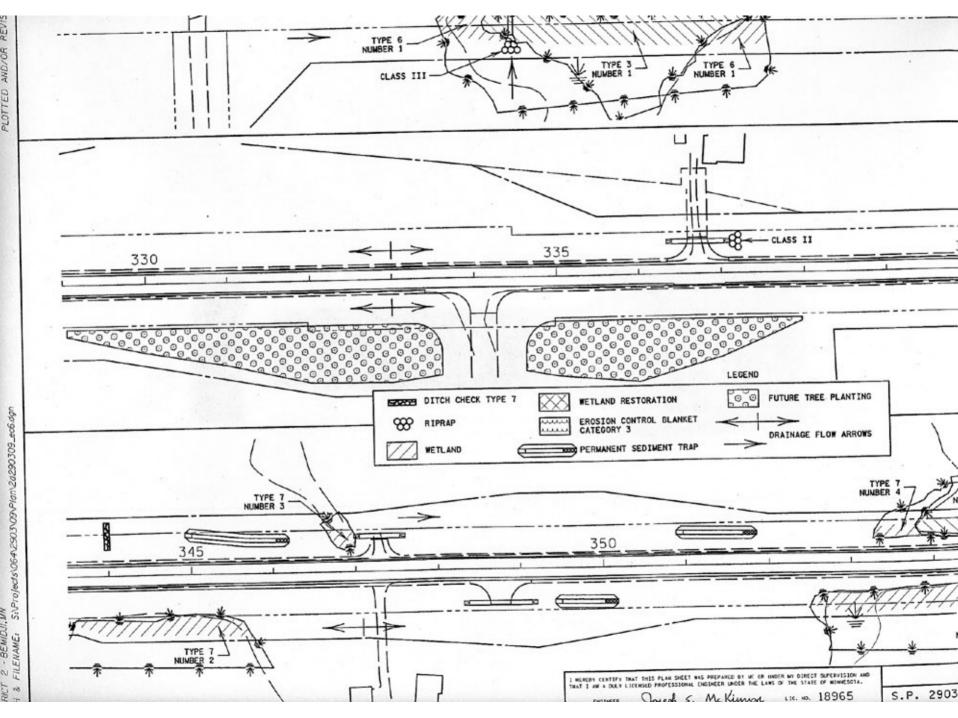
This work shall consist of furnishing, installing, maintaining and dispersing (if needed) a water permeable compost log to contain soil erosion and sediment by removing soil particles from water moving off site into adjacent waterways or storm water drainage systems in accordance with the applicable Mn/DOT Standard Specifications and the following:

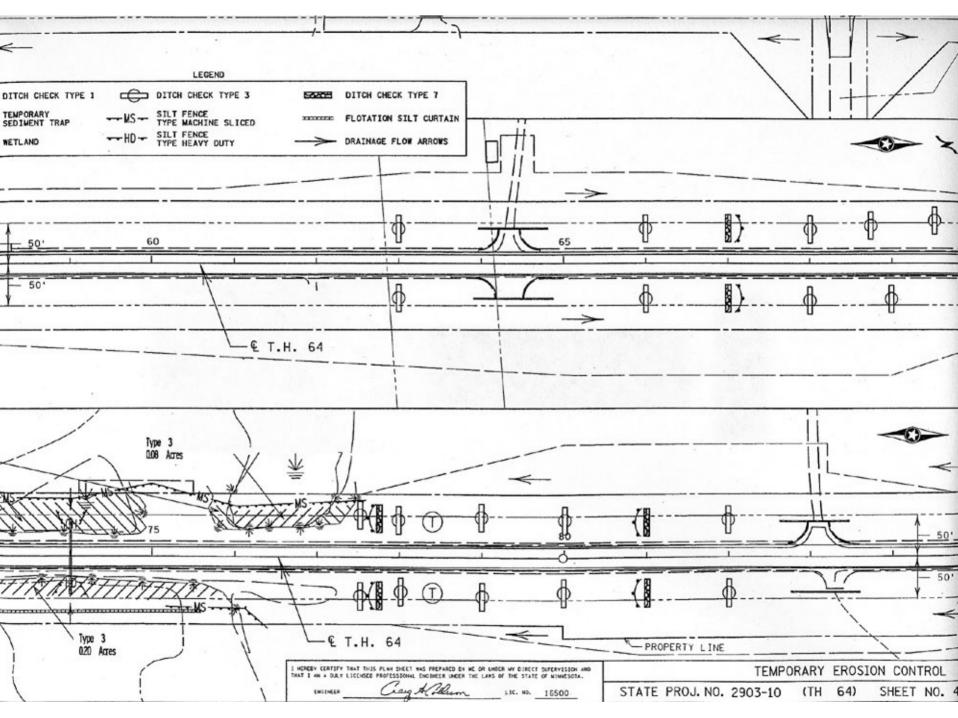
S-xxx.1 MATERIALS

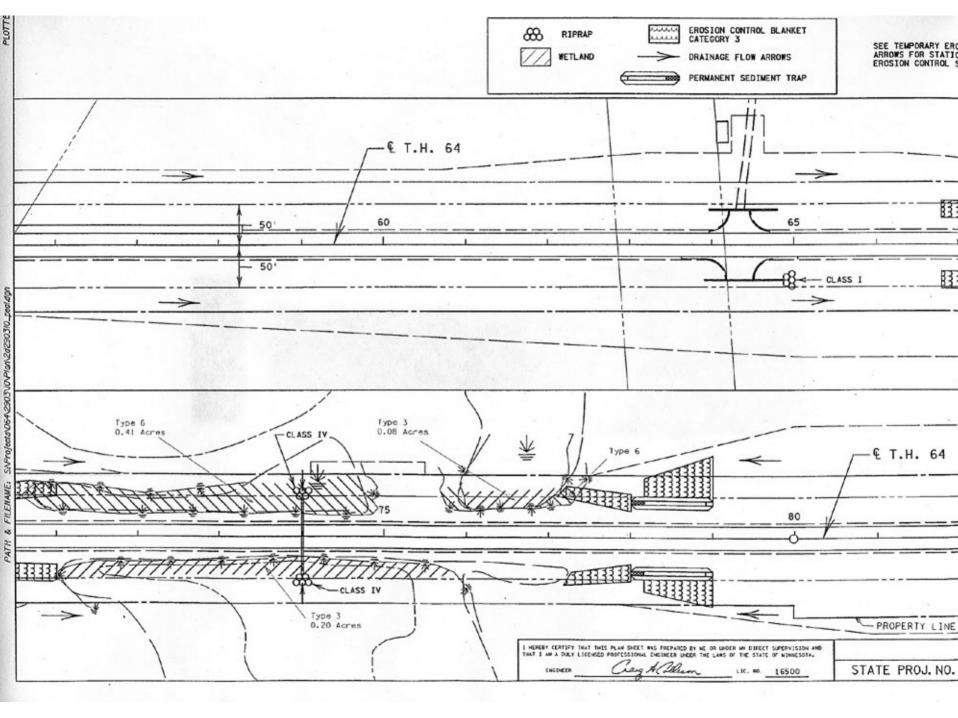
Compost logs shall consist of a weed free compost as per Mn/DOT 3890 Grade 2 derived from a well-decomposed source of leaf, grass and wood feedstock. The compost shall be produced using an aerobic composting process meeting CFR 503 regulations, including time and temperature data indicating effective weed seed, pathogen and insect larvae kill. A sample shall be submitted to the engineer for approval prior to being used and must comply with all local, state and federal regulations, along with a certificate of compliance. Test results using the US Composting Council Seal of Testing Assurance Program is acceptable. The compost shall be free of any refuse, contaminants or other materials toxic to plant growth. Non-composted products will not be accepted. The particle size used to pneumatically fill the logs shall pass a 51 mm (2 inch) sieve with a minimum of 70% greater than the 10 mm (3/8 inch) sieve, in accordance with TMECC 02.02-B, "Sample Sieving for Aggregate Size Classification. The geotextile log shall consist of 10 mm (3/8 inch) knitted tube material and contain the compost material while not limiting water infiltration.. The geotextile shall be made to photo degrade in-situ and shall be approximately 8 inches in diameter once formed, and continuous linear lengths up to 55 meters (180 feet). The geotextile log tube may be purchased from the following company:

Filtrexx International, LLC, 35481 Grafton Eastern, Grafton, OH 44044 440-926-8041, 440-926-4021 (fax)















Landscape Compost

- 2 to 6 inches surface applied, incorporated into12 inch original soil depth, minimum 6 ft diameter for trees, whole bed for shrubs
- Spading Machine required for incorporation











