

POLARIS
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SUITE D
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DATE: 1/8/14
SCALE: HOR. 1"=30'
VERT. none
FILENAME: Unit 27 Site Plan

SITE PLAN FOR:
UNIT 27
ARIA'S WAY
PHASE 4
CONCORD TOWNSHIP - LAKE COUNTY - OHIO

Erosion and Sediment Control Schedule

General
Any sediment-laden groundwater encountered during construction shall be treated prior to discharge.

Ingress-Egress

A stone access drive complete with under lying geo-textile fabric for ingress and egress at the site shall be installed if there is not already an existing access drive. This drive shall be the only entrance and exit to the site.

Silt Fence

All silt fence shall be installed prior to any earthwork activities at the site in the locations shown on the site plan as well as along the front of any lot that slopes towards the street. On sites where a perimeter of temporary seeding (or pre-existing vegetation) cannot be maintained due to limited space, a complete perimeter of silt fence shall be established.

Temporary Seeding

Disturbed areas of the site that are to remain idle for more than twenty one (21) days shall be properly seeded and straw mulched within seven (7) days of completion of initial grading. Temporary seeding and mulching of a thirty (30) foot strip of the entire front of the lot shall be maintained on the site once initial grading is complete.

Stabilization of critical areas within fifty (50) feet of any stream or wetland shall be complete within two (2) days of the disturbance if the site is to remain inactive for longer than fourteen (14) days.

Following completion of the construction activities, and the contractor leaving the site, the site soils must be fully stabilized by temporary seeding and/or mulching (or other acceptable process).

Mulching

Straw-mulch shall be applied at a rate of 1 bale per every ten (10) feet of curb, at a width of thirty (30) feet (or 1 bale/300 sqft.) of the entire length of the lot. Wood chips may also be used but must be spread at a minimum depth of four inches over the thirty-foot width and must be accompanied by a properly installed silt fence.

Maintenance

Erosion and sediment controls shall be inspected every seven (7) days or within 24 hours of a 0.5" or greater rainfall event. Necessary repairs shall be made at this time.

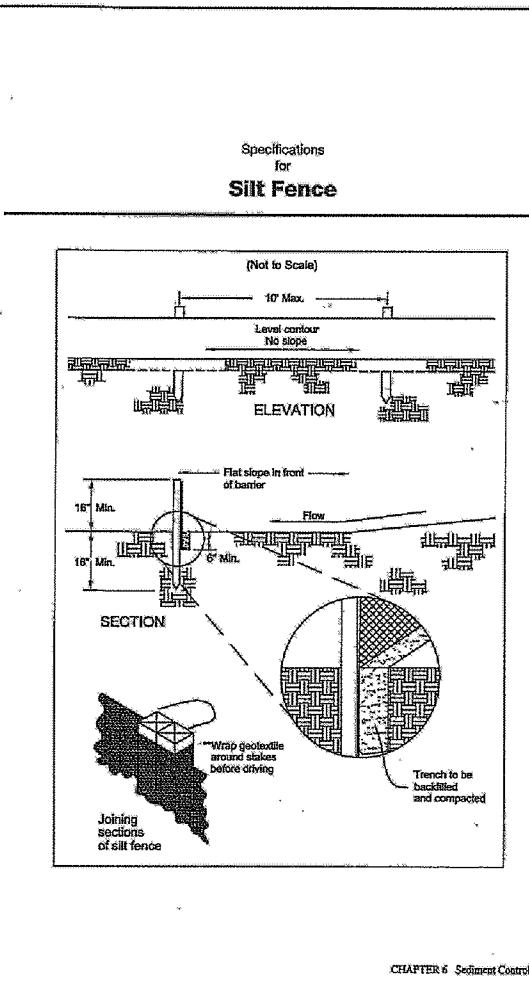
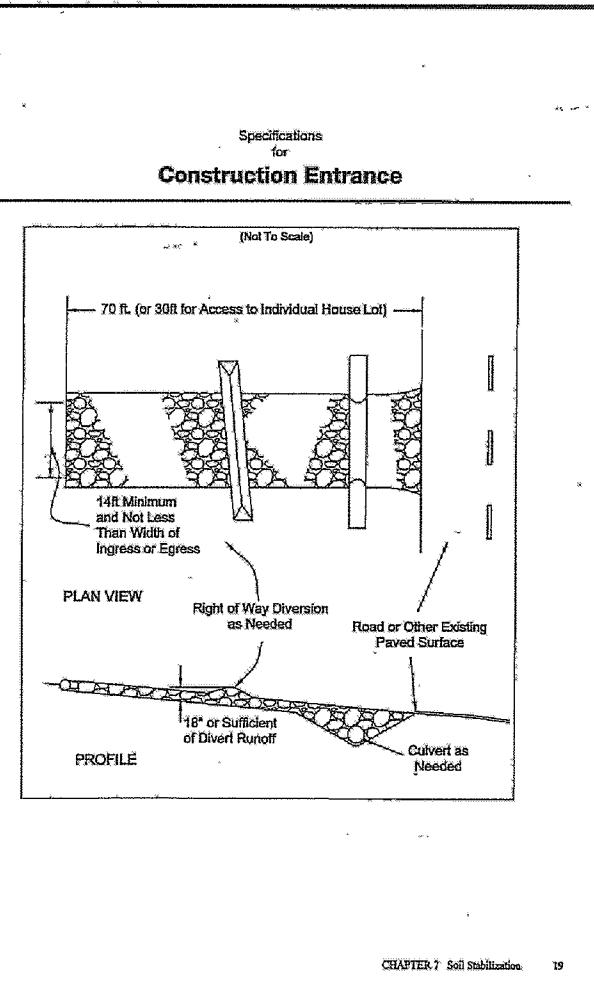
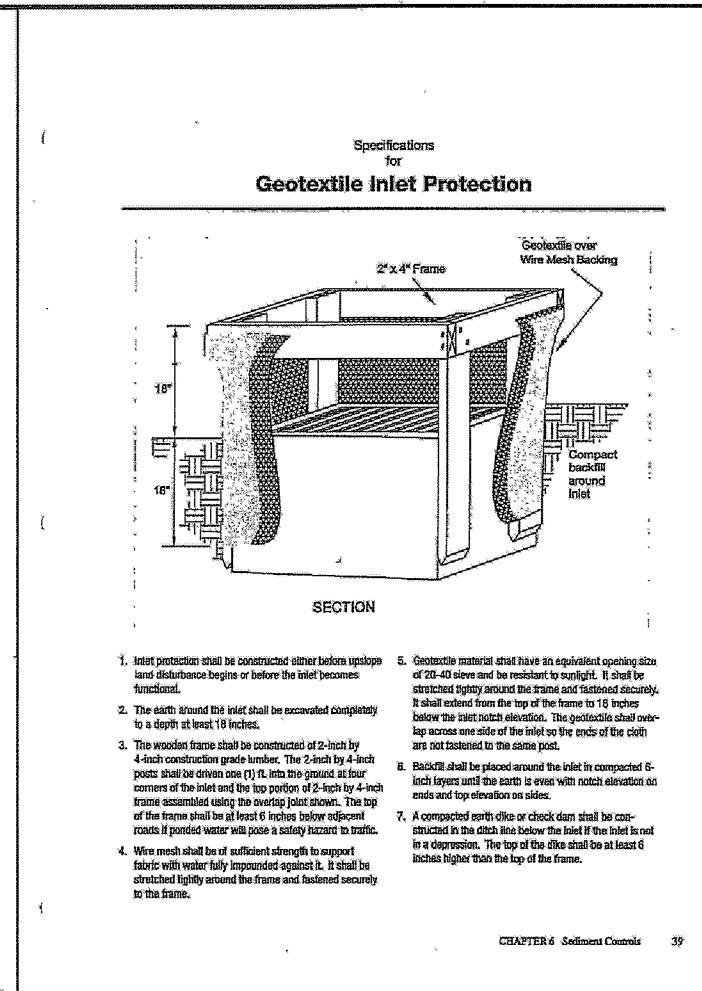
Note:

All erosion and sediment control specifications, applications, and timetables are based on the descriptions and standards of The Ohio Department of Natural Resources Rainwater and Land Development Manual.

The specified erosion and sediment control standards are the general guidelines and shall not limit the right of the county to impose, at any time, additional, more stringent requirements. Nor shall the standards limit the right of the county to waive, in writing, individual requirements.

Inlet Protection

Inlet protection shall be constructed before the storm drain becomes operational. The earth around the inlet shall be excavated completely to a depth of at least 18 inches. The 2 by 4 inch frame shall be driven 1 foot into the ground and the top portion of the 2 by 4 inch frame assembled using the overlap joint shown (see diagram to right). The top of the frame shall be 6 inches below grade of adjacent road if ponded water would pose a safety hazard to traffic. Geotextile shall have an equivalent opening size of 20-40 inches below the inlet notch elevation. The geotextile shall overlap across one side of the inlet so the ends of the cloth are not fastened to the same post.



Temporary Seeding Specifications			
Seeding Dates	Species	lb. / 1000sqft	Per Acre
March 1 to August 15	Oats	3	4 bushel
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Perennial Ryegrass	1	40 lb.
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
August 16 to November 1	Rye	1	2 bushel
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Wheat	1	40 lb.
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Perennial Ryegrass	1	40 lb.
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
November 1 to Spring Seeding	Use mulch only, sodding practices or dormant seeding		

Note: other approved seed species may be substituted.

PERMANENT SEEDING SPECIFICATIONS			
Seed Mix	lb./ac.	lb. / 1000sqft	Notes:
<i>General Use</i>			
Creeping Red Fescue	20-40	1/2-1	
Domestic Ryegrass	10-20	1/4-1/2	
Kentucky Bluegrass	10-20	1/4-1/2	
Tall Fescue	40	1	
Dwarf Fescue	40	1	
<i>Steep Banks or Cut Slopes</i>			
Tall Fescue	40	1	
Crown Vetch	10	1/4	Do not seed later than August
Tall Fescue	20	1/2	
Red Fescue	20	1/2	Do not seed later than August
Tall Fescue	20	1/2	
<i>Road Ditches and Swales</i>			
Tall Fescue	40	1	
Dwarf Fescue	90	2 1/4	
Kentucky Bluegrass	5		
<i>Lawns</i>			
Kentucky Bluegrass	60	1 1/2	
Perennial Ryegrass	60	1 1/2	
Kentucky Bluegrass	60	1 1/2	
Creeping Red Fescue	60	1 1/2	For shaded areas

Note: other approved seed species may be substituted.

Mulching

Straw mulch shall be unrotted small-grain straw applied at the rate of 2 tons/ac. or 90 lb./1,000 sq. ft. (two to three bales). The mulch shall be spread uniformly by hand or mechanically so the soil surface is covered. For uniform distribution of hand-spread mulch, divide area into approximately 1,000 sq. ft. sections and spread two 45-lb. bags of straw in each section.

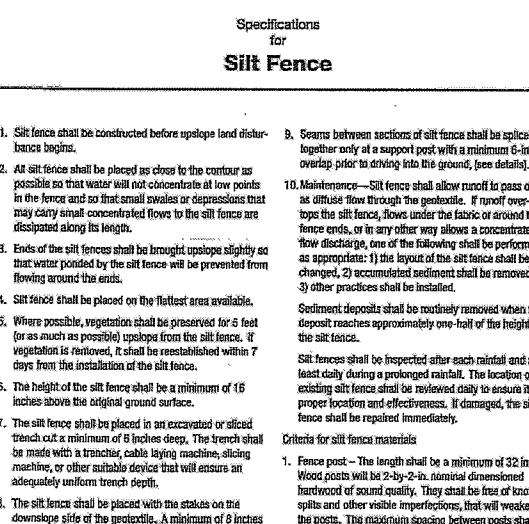
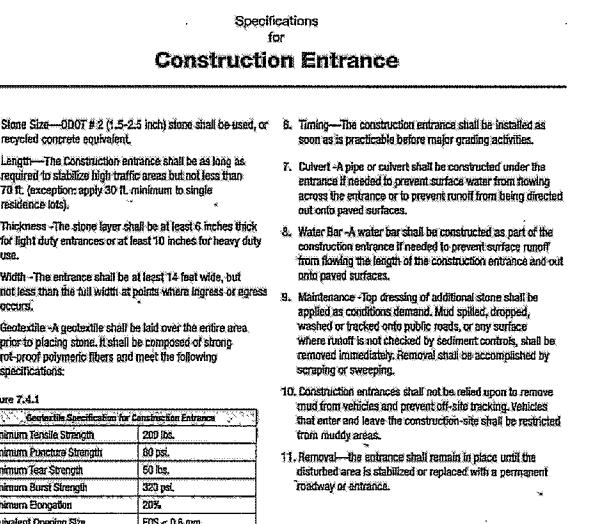


Table 6.3.2 Minimum criteria for Silt Fence Fabric (ODOT 2000)	
TEST METHOD	TEST METHOD
Minimum Tensile Strength	120 lbs (553 N) ASTM D 4322
Maximum Elongation at 50 lbs	50% ASTM D 4322
Minimum Tensile Strength	50 lbs (220 N) ASTM D 4323
Maximum Elongation	320% ASTM D 4323
Minimum Burst Strength	20% ASTM D 4323
Minimum Elongation	10% ASTM D 4323
Equivalent Opening Size	EDS < 0.8 mm. ASTM D 4751
Permeability	1x10-3 cm/sec. ASTM D 4491
UV Exposure Strength Retention	70% ASTM G 355

CONTACT:
MARK FAIR

CONTRACT No.
12032

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