Ceneral

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

Ingress-Egress

A stone access drive complete with under lying geo-textilefabric 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

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)

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".

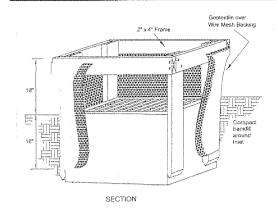
The specified erosion and sediment control standards are the general guidelines and shall not limit the right of the county to impose, at any time, additional, more stringent requirements. Nor shall the standards limit the right of the county to waive, in writing, individual requirements.

Injet Protection

Inlet protection shall be constructed before the storm drain becomes operational. The earth around the inlet shall be excavated completly 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 equivelent 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 fastend to the same post.

Specifications

Geotextile Inlet Protection



- land disturbance begins or before the inlet becomes
- 2. The earth around the inlet shall be excavated completely to a depth at least 18 inches
- The wooden frame shall be constructed of 2-inch by 4-inch construction grade lumber. The 2-inch by 4-inch posts shall be driven one (1) it, into the ground at four corners of the inlet and the top portion of 2-inch by 4-inch frame assembled using the overlap joint shown. The top of the frame shall be at least 6 inches below adjacent roads if ponded water will pose a safety hazard to traffic.
- Wire mesh shall be of sufficient strength to support fabric with water fully impounded against it. It shall be stretched tightly around the trame and fastened securely to the frame.
- times numeration small the crossburged either before upslope 5. Geotextile material shall have an equivalent opening size of 20-40 sieve and be resistant to sunlight. It shall be stretched tightly around the frame and fastened securely it shall extend from the top of the frame to 18 inches below the inlet norch elevation. The geotextile shall over tap across one side of the inlet so the ends of the cloth are not fastened to the same post.
 - 6. Backfill shall be placed around the inlet in compacted 6inch layers until the earth is even with notch elevation or ends and top elevation on sides.
 - A compacted earth dike or check dam shall be con-structed in the drich line below the Injet if the linet is not in a depression. The top of the dike shall be at least 6 inches higher than the top of the frame.

CHAPTER 6 Sediment Controls 39

Temporary Seeding Specifications

Seeding Dates	Species	Lb. / 1000sqft	Per Acre
March 1 to August 15	Ogia	3	4 bushel
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Perennial Ryegrass	1	40 lb.
	Tall Fescue	1 1	40 lb.
	Annuai 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 1	40 lb.
	Annual Ryegross	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, saddi	ng proctices or dom	ant seeding

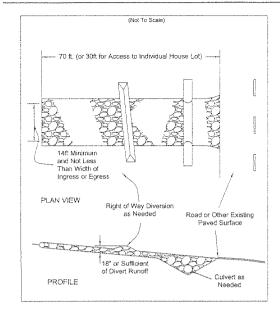
Note: other approved seed species may be substituted

Seed Mix	lb./ac.	lb. / 1000eqft	Notes:
	Gene	ral Use	
Creeping Red Feecus	2040	1/2-1	
Domestic Ryegross	10-20	1/4-1/2	
Kentucky Bluegrass	10-20	1/4-1/2	
Toll Fescue	40	1 1	
Dworf Feecus	40	1 1	
	Stee	Banks or Cut Stopes	***************************************
Tall Fescue	40	1	
Crown Vetch	10	1/4	Do not seed later than August.
Tall Feacue	20	1/2	
Flot Peo	20	1/2	Do not seed later than August
Tall Feecue	20	1/2	·
	Rood	Ditches and Swales	
Toll Feacure	40	1	
Dworf Feacus	90	2 1/4	
Kentucky Bluegrass	5	· ·	
	Lown	3	
Kentucky Bluegrass	60	1 1/2	
Penenniki Ryegrasa	60	1 1/2	
Kentucky Bluegrass	60	1 1/2	For Snoded areas.
Creeping Red Fescus	60	1 1/2	

Strow mulch shall be unrotted amail-grain strow applied at the rate of 2 tons/ac. or 90 lb./1,000 sq. ft. (two to three bolos). The mulch shall be approad uniformly by hand or machanically so the sal surface is covered. For uniform distribution of hand-spread mulch, divide area into approximately 1,000 sq. ft. sections and spread two 45-lb. bales of strow in such section.

Specifications

Construction Entrance



Specifications

Construction Entrance

Stone Size—ODOT # 2 (1.5-2.5 inch) stone shall be used, or 6. Timing—The construction entrance shall be installed as soon as is practicable before major grading activities.

Length—The Construction entrance shall be as long as required to stabilize high traffic areas out not less than 70 ft. (exception: apply 30 ft. minimum to single...)

3. Thickness -The stone layer shall be at least 6 inches thick

4. Width -The entrance shall be at least 14 feet wide, but

5. Geotextile -A geotextile shall be laid over the entire area

prior to placing stone. It shall be composed of strong

rot-proof polymeric fibers and meet the following specifications:

Figure 7,4.1

Minimum Tensile Strength

Minimum Tear Strength

Minimum Bongation

Minimum Burst Strength

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not less than the full width at points where incress or earess

200 fbs. 80 psi.

50 fbs.

320 ps.

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7 Drived -A nine or cuived shall be constructed under the

Curvert -A pipe of curvert strate to constituted unuel the entrance if needed to provent surface water from flowing across the entrance of to prevent runoff from being directe out onto paved surfaces.

Maintenance -Top dressing of additional stone shall be

mounteracter - rop pressing of according stone shall be applied as conditions demand, while splilled cropped, washed or tracked onto public roads, or any surface where runoff is not checked by sediment controls, shall be removed immediately. Removal shall be accomplished by scraping or sweeping.

10. Construction entrances shall not be relied upon to remove

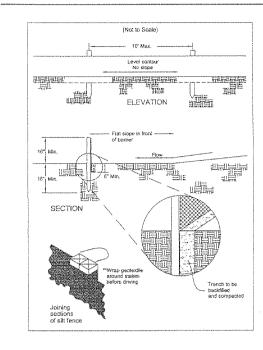
from muddy areas.

mud from vehicles and prevent off-site tracking. Vehicles

that enter and leave the construction-site shall be restricte

Specifications

Silt Fence



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Silt Fence

Specifications

- 8. Water Bar -A water bar shall be constructed as part of the construction entrance If needed to prevent surface ranoff from flowing the length of the construction entrance and out
 - 4. Silt fence shall be placed on the flattest area available,
 - Where possible, vegetation shall be preserved for 5 feet (or as much as possible) upslope from the slift fence. If vegetation is removed, it shall be reestablished within 7 days from the installation of the slift fence.
 - 6. The height of the silt fence shall be a minimum of 16 inches above the original ground surface.
 - 2. The sitt fence shall be placed in an excavated or slicer The Six revice shall be placed in an exceptance of since trench cut a minimum of 6 inches deep. The trench shall be made with a trencher, cable laying machine, slicing machine, or other suitable device that will ensure an adequately uniform trench depth.

8. The sift fence shall be placed with the stakes on the The sift fence shalf be placed with the stakes on the downstope aide of the geotectile. A minimum of 8 inches of geotectile must be believe in ground surface. Excess material shalf lay on the bottom of the 6-inch deep trench. The trench shall be backfilled and compacted on both sides of the fathric.

1. Removal—the entrance shall remain in place until the disturbed area is stabilized or replaced with a nermanen

- 1. Sitt tence shall be constructed before upstope land distur- 9. Seams between sections of sitt tence shall be splices together only at a support post with a minimum 6-in overlap prior to driving into the ground, (see details).
- 2. All still fence shall be placed at close to the contour as possible so that water will not concentrate at low points in the tence and so that small sweles or depressions that may carry small concentrated flows to the sitt fence are dissipated along its length. 10. Maintenance-Silt fence shall allow runoff to pass only O. Maintanance—Silt fence shall allow rundit to pess only a diffuse from through the perceidle. It rundit overlops the silt fence, flows under the tablic or around the fence ends, or in any other way allows a concentration flow discharge, one of the following shall be performed, as appropriate: 1) the layout of the silt fence shall be changed, 2) accumulated sodiment shall be removed, or 3) other practices shall be installed. Ends of the silf fences shall be brought upstope slightly so that water ponded by the silf fence will be prevented from flowing around the ends.
 - Sediment deposits shall be routinely removed when the deposit reaches approximately one-half of the height of the silt fence.

Slit fences shall be inspected after each rainfall and at test daily during a prolonged raintail. The location of existing slit fence shall be reviewed daily to ensure its proper location and effectiveness. If damaged, the slit funce shall be repaired immediately

Oriteria for silt fence materials

- Fence post The leagth shall be a minimum of 32 inches Fence post — The length shall be a minimum of 32 inches. Wood posts will be 2-by-2-in, nominal dimensioned hardwood of sound quality. They shall be line of whols, splits and other visible imperfections, that will weaken the posts. The maximum postion between posts shall be 16 ft. Posts shall be driven a minimum 16 inches into the pround, where possible. If and possible, the posts shall be adverse in the pround of the province of the province of the province of the province of the tence one to sediment/water loading.
- 2. Sitt tence tabric See chart below

FABRIC PROPERTIES	VALUES	TEST METHOD
Minimum Tensile Strength	120 lbs. (\$35 M)	ASTM D 4632
Maximum Elongation at 60 fbs	50%	ASTM D 4632
Minimum Puncture Strength	50 lbs (220 N	ASTM D 4833
Minimum Tear Strength	40 fbs (180 N	ASTM D 4533
Apparent Opening Size	≤ 0.84 mm	ASTM D 4751
Minimum Permittivity	1X16-2 sec1	ASTM 0 4491
UV Exposure Strength Retention	70%	ASTM 6 4356

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PLAN

SIE PLA UNIT

OWNER:

RYAN HOMES 5770 W. SNOWVILLE ROAD SUITE 100 BRECKSVILLE, OHIO 44141

PHONE: (440) 584-4221

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CONTRACT No. 12032

SHEET OF 2 2