Specifications

Construction Entrance

Runt of Pay Diversion as Needed

50 ft. (or 30 ft. for Access to Individual House Lot)

- 1 Inlet protection shall be constructed either before upslope land disturbance begins or
- 2 The wooden frame is to be constructed of 2-by-4-in construction-grade lumber. The end spacers shall be a minimum of 1 ft beyond both ends of the threat opening The anchors shall be nailed to 2-by-4-in stakes driven on the opposite side of the
- 3 The wire mesh shall be of sufficient strength to support fabric and stone it shall be a continuous piece with a minimum width of 30 in and 4 ft longer than the throat length of the inlet, 2 ft on each side

PLAN VIEW

Stone Size-Two-inch stone shall be used,

as long as required to stabilize high traffic

areas but not less than 50 ft. (except on

single residence lot where a 30-ft minimum.

2 Length-The construction entrance shall be

3 Thickness--The stone layer shall be at least

4 Width-The entrance shall be at least 10 ft

points where ingress or egress occurs

5 Bodding-A geotextile shall be placed over

6 Culvert--A pipe or culvert shall be

paved surfaces

the entire crea prior to placing stone it

least 200 lb and a Mullen Burst Strength of

constructed under the entrance if needed to

prevent surface water flowing across the

entrance from being directed out onto

recycled concrete equivalent

10 to Measure and Not Less Than Width of

- 4 Geotexple cloth shall have an equivalent opening size (EOS) of 20-40 sieve and be ent teach to ed flank it shall be at least the same size as the wire mesh
- 5 The wire mesh and geotextile cloth shall be formed to the concrete gutter and against the face of the curb on both aides of the inlet and securely festened to the 2-by-4-in
- 6 Two-inch stone shall be placed over the wire mesh and geotextile in such a manner es to prevent water from entering the inlet under or around the geotextile cloth

Road or Other Existin Paved Surface

7 Water Bar-A water bar shall be constructed

entrance and out onto paved surfaces

8 Maintenance--Top dressing of additional

as part of the construction entrance if

needed to prevent surface runoff from

flowing the length of the construction

stone shall be applied as conditions

demand. Mud spilled, dropped, washed or

tracked onto public roads, or any surface

where runoff is not checked by sedment

Removal shall be accomplished by screping

upon to remove mud from vehicles and

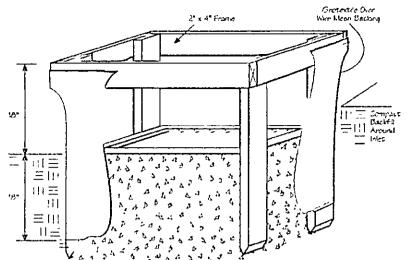
prevent off-site tracking. Vehicles that enter

controls, shell be removed immediately

9 Construction entrances shall not be relied

restricted from muddy areas

Inlet Protection in Swales, Ditch Lines or Yard Inlets



Specifications

Silt Fence

Loud Contour No Skipa

ELEVATION

Fut Stope in Front of Carrier ----

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Irench to be

- inlet protection shall be constructed either bafora upalopa land disturbance begins or
- 2 The earth around the inlet shall be excavated completely to a depth at least 18
- 3 The wooden frame shall be constructed of 2-by-4-in construction-grade lumber The 2-by-4-in posts shall be driven 1 ft into the ground at four corners of the inlet and the top portion of 2-by-4-in frame assembled using the overlap joint shown The top of the frame shall be at least 6 in below adjacent roads if ponded water would pose a safety hazard to traffic
- Wire mesh shall be of sufficient strength to support febric with water fully impounded against it. It shall be stretched tightly around the frame and fastened securely to

16" Morrus

SECTION

Joining May Sections of Silt Fence

- Geotextile shall have an equivalent opening size of 20-40 slave and be resistant to sunlight it shall be stretched rightly around the frame and fastened securely it shall extend from the top of the frame to 18 in below the inlet notch elevation. The geotextila shall overlop across one side of the inlet so the ends of the cloth are not
- Backfill shall be placed around the inlet in compacted 8-in layers until the earth is even with notch elevation on ends and top

fastened to the same post

7 A compacted earth dike or a check dam shall be constructed in the ditch line below the inlet if the inlet is not in a depression and if runoff bypassing the inlat will no flow to a settling pand. The top of earth dikes shall be at least 8 in higher than the

Specifications Permanent Seeding

SITE PREPARATION

- A subscilor, plow or other implement shall be used to reduce soil compection and ellow maximum infiltration. (Maximizing infitretion will help control both runoff rate and water quality } Subsoiling should be dota when the soil moisture is low enough to allow the soil to crack or fracture Subsoiting shall not be done on slip-prone areis where soil preparation should be limited to what is necessary for astablishing
- 2 The site shall be graded as needed to pernit the use of conventional equipment for seedbed preparation and seeding
- 3 Resul shall be applied where needed to establish vegetation

SEEDCED PREPARATION

- Lime-Agricultural ground limestone shall be applied to acid soil as recommended by a soil test. In lieu of a soil test, lime shell be applied at the rate of 100 lb /1,000 sq. ft
- Fortilizer-Fertilizer shall be applied as recommended by a soil test. In lieu of a soil test, fertilizer shall be applied at a rate of 12 lb/1,000 sq ft or 500 lb/ac of 10-10-10 or 12-12-12 analysis
- The time and fertilizer shall be worked into the soil with a disk herrow, spring-tooth harrow, or other suitable field implement to a cepth of 3 in. On sloping land the soil ahel be worked on the contour

SEEDING DATES AND SOIL CONDITIONS

Seeding should be done March 1 to May 31 or Aug 1 to September 30. These seeding dates are ideal but, with the use of additional mulch and irrigation, seedings may be made any time throughout the growing season . Tillage/seedbed preparation should be done when the soil is dry enough to crumble and not form ribbons when compressed by hand. For winter seeding, see the following section on

DORMANT SEEDINGS

- The following methods may be used for
- From October 1 through November 20, prepare the seedbed, edd the required emounts of time and fertilizer, then mulch and anchor. After November 20. and before Merch 15, broadcast the selected seed mixture. Increase the seeding rates by 50% for this type of
- From November 20 through March 15, when soil conditions permit, prepare the seedbed, lime and fertilize, apply the selected seed mixture, mulch and enchor increase the seeding rates by
- Apply seed uniformly with a cyclone seeder, drill, cultipacker seeder, or hydro-seeder (sturry may include seed and fertilizer) on a firm, moist seedbed

- Seedings shall not be planted from October 1 through November 20. During this period the seeds are likely to germinate but probably will not be able to survive the
- 50% for this type of seeding

Where feasible, except when cultipacker type seeder is used, the seedbed should be firmed following seeding operations with a cultipacker, roller, or light drag. On aloping land, seeding operations should be on the contour where feasible

MULCHING

Mulch material shall be applied immediately after seeding Seedings made during optimum seeding dates and with favorable soil conditions and on very flat areas may not need mulch to achieve adequate stabilization Dormant seeding shall be mulched

2 Materials

- Straw-if straw is used it shall be unrotted small-grein straw applied at the rate of 2 tons/ac or 90 lb /1,000 sq. ft. (two to three beles). The mulch shell be aproad 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 apread two 45-lb bales of straw in each section
- Hydroseeders- if wood cellulose fiber is used, it shall be used at 2,000 lb /ac or 46 lb /1,000 sq. ft
- Other--Other acceptable mulches include mulch mattings epplied according to manufacturer's recommendations or wood chips septed at 8 tens/ac

Straw Mulch Anchoring Methods

Straw mulch shall be enchored immediately to minimize loss by wind or water

- Mechanical--A disk, crimper, or similar type tool shall be set straight to punch or anchor the mulch material into the soil. Straw mechanically anchored shall not be finely chopped but, generally, be left longer than 8 in
- Mulch Nattings-Nettings shall be used according to the manufacturer's rendations Netting may be necessary to hold mulch in place is areas of concentrated runoff and ori critical slopes
- Asphalt Emulsion--Asphalt shall be applied as recommended by the gal /ac
- Synthetic Binders-Synthetic binders such as Acrylic OLR (Agri-Tac), DCA-70, Patroset, Terra Tack or equal may be used at rates recommended by the
- Wood Cellulose Fiber-Wood cellulose fiber binder shall be applied at a net dry weight of 750 lb/ac. The wood cellulose fiber shall be mixed with water and the mixture shall contain a maximum of 50 lb /100 get of wood cellulosa fiber

IRRIGATION

- Permanent seeding shall include irrigation to establish vegetation during dry or hot weather or on adverse site conditions as needed for adequate moisture for seed germination and plant growth
- 2 Excessive irrigation rates shall be avoided and irrigation monitored to prevent erosion and damage from runoff

	Pem	nanent Seeding		
Seed Mix	Seeding Rata		*!	
Sead WIX	lb /nc 15 /1,000(t ²		Notes	
	(General Use		
Creeping Red Fescus Domestic Ryegrass Kentucky Eluegrass	20-40 10-20 10-20	%-1 %-% %-%		
Tall Fescue	40	1		
Dwarf Fescue	40	1		
	Steep B	anks or Cut Slope	35	
Tall Fescue	40	1	_	
Crown Vetch Tall Fescus	10 20	1/4 1/5	Do not seed later than August	
Flat Poa Toll Fescue	20 20	У2 У3	Do not seed later than August	
	Road D	itches and Swale	3	
Tall Fescuo	40	1		
Dwarf Fescus Kentucky Eluograss	90 5	2%		
		Lawns		
Kentucky Eluegrass Perennial Ryegrass	60 60	1 ½ 1 ½		
Kentucky Blungrass Creeping Red Fescue	60 60	1 34 1 34	For shaded areas	

EROSION CONTROL DETAILS

440 286-1010 440 286-1034 fax 320 Center Street, Unit F

Chardon, Ohio 44024

SCALE: NONE

Page: 2/2

Specifications Small Lot Building Sites

- 1 Preexisting vegetation shall be retained on idle portions of the building for for as long es construction operations allow Clearing shall be done so only active working areas
- 2 Temporary seed (annual rya, pats, etc.) and/or mulch shall be applied to areas, such as stockpiles, that are bare and not actively being worked. This shall apply to areas that will not be reworked for 14 days or more
- 3 Stockpiles excavated from basements shall be situated away from streets, swales, or other waterways and shell be seeded
- 4 Silt fence shell control sheet flow runoff from the building for it shall not be constructed in channels or areas of concentrated flow. Other sediment controls such as inlet protection and sediment traps shall elso be used as needed to control sediment runoff
- 5 Construction vehicle access shall be limited to one route, to the greatest extent practical. The access shall be gravel or crushed rock applied to the drivoway area.
- 8 Mud tracked onto the streat or sediment settled around curb inlet protection shall be removed daily or as needed to prevent it from accumulating. It shall be removed by shovelling and screping and shall NOT be washed off paved surfaces or into storm

Specification Temporary Seeding

Seeding Dates	Species	Lb /1,000 ft ²	Per Ac
March 1 to August 15	Osts , Tall Fescus Annual Ryegrass	3 1 1	4 bushel 40 lb 40 lb
	Perennial Ryagrass Tall Fescue Annual Ryagrass	1 1 1	40 lb 40 lb 40 lb
August 18 to November 1	Rye Tall Fescua Annual Ryegrass	3 1 1	2 bushel 40 lb 40 lb
	Wheat Tall Fescue Annual Ryegrass	3 1 1	2 bushet 40 lb 40 lb
	Perennial Ryegrass Tall Fescus Annual Ryegrass	1 1 1	40 lb 40 lb 40 lb

1 Structural erosion- and sediment-control practices such as diversions and sediment treps shall be instelled and stabilized with temporary seeding prior to grading the rest of the construction-site

Note. Other approved seed apecies may be substituted

- 2 Temporary seed shall be applied between construction operations on soil that will not be graded or reworked for 45 days or more These idls areas should be seeded as soon as possible after grading or shall be seeded within 7 days Saveral epptications of temporary seeding are nacessary on typical construction projects
- 3 The seedbed should be pulverized and loose to ensure the success of establishing vegetation. However, temporery seeding shall not be nostponed if ideal seedbed preparation is not possible
- 4 Soil Amendments--Applications of temporery vegetation shall establish adequate stands of vegetation which may require the use of soil emendments. Soil tests should be taken on the site to predict the need for lime and fortilizer
- 6 Seeding Mathod-Seed shall be applied uniformly with a cyclone seeder, drill, cultipacker seeder, or hydroseeder. When feasible, seed that has been breadcast shall be covered by raking or dranging and then hightly temped into place using a roller or cultipacker if hydroseeding is used, the seed and fertilizer will be mixed on site and the seeding shall be done immediately and without interruption

MULCHING TEMPORARY SEEDING

- 1 Applications of temporary seeding shall melude mulch which shall be applied during or immediately after seeding Seedings mede during optimum seeding dates and with favorable soil conditions and on very flat arees may not need mulch to achieve adequate stabilization
- 2 Materials
- · Straw-If straw is used, it shall be innotted small-grain atraw applied at the rate of 2 tons/ac or 90 lb /1,000

- sq ft (two to three beles). The mulch shall be apread uniformly by hand or mechanically so the soil surface is cavéred For uniform distribution of hand spread mulch, divide area into approximately 1,000-sq-ft sections and spread two 45 lb bales of straw in each section
- Hydroseeders-If wood cellulose fiber is used, it shall be used at 2,000 lb /cc or 46 lb /1,000 sq ft
- Other--Other acceptable mulches include mulch mattings applied according to manufacturar's applied at 6 tons/ac
- 3 Straw mulch shall be enchored immediately to minimize loss by wind or water
- Mechanical--A disk, crimper, or similar type tool shall be set streight to punch or anchor the mulch material into the soil. Straw mechanically anchored shell not be finely chopped but, generally, be left longer then 6 in
- Mulch Nettings-Nettings shall be used. according to the manufacturer's recommendations. Netting may be necessary to hold mulch in place in ereas of concentration runoff and on critical slopes
- Asphalt Emulsion--Asphalt shall be applied as recommended by the manufacturer or at the rate of 160 nel /ac
- Synthetic Binders--Synthetic binders such as Acrylic DLR (Agn-Tac), DCA-70. Petroset, Terra Teck or equal may be used at rotes recommended by the manufecturer
- Wood-Cellulose Fiber--Wood-cellulose fiber binder shall be applied at a not dry weight of 750 lb /ac. The woodcellulose fiber shall be mixed with water and the mixture shall contain a maximum of 50 lb /100 gcl