**Specification** 

- inlet protection shall be constructed either ere upelope land disturbance begins or
- The wooden frame is to be constructed of 2-by-4-in construction-grade lumber. The end specers shall be a minimum of 1 ft. beyond both ends of the throat opening The enchors shall be nailed to 2-by-4-in
- The wire mesh shall be of sufficient strength to support fabric and atone it shall be a continuous piece with a minimum width of 30 in and 4 ft longer than the throat length of the splet, 2 ft on each side

# 2" × 4" Frame 111 ==

Inlet Protection in Swales, Ditch Lines or Yard Inlets

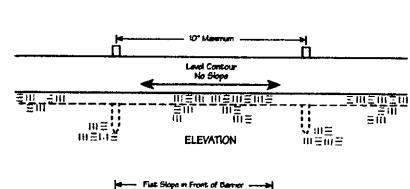
- before upelope land disturbance begins or before the storm drain becomes ope
- 2 The earth around the inlet shall be excevated completely to a depth at least 18
- resistant to sunlight. It shall be at least the 3 The wooden frame shell be constructed of 2-by-4-in construction-grade lumber The 2-by-4-in poets shell be driven 1 ft into 5 The wire mesh and geotaxtile cloth shall be the ground at four corners of the inlet and formed to the concrete gutter and against the top portion of 2-by-4-in frame the face of the curb on both sides of the assembled using the overlap joint shown. The top of the frame shall be at least 6 in injet and securely festened to the 2-by-4-in below adjacent roads if ponded water would pose a safety hazard to traffic

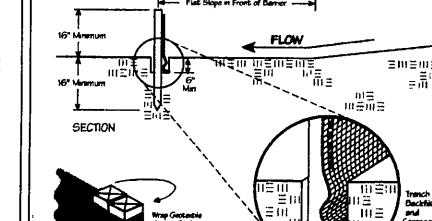
Joining Sections of Set Fence

三川

- Wire mesh shall be of sufficient strength to support fabric with water fully impounded against it. It shall be stretched tightly around the frame and fastened securely to
- δ Geotextile shell have an equivalent operang 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 in geotextile shall overlap across one side of the inlet so the ends of the cloth are no fastened to the same post
- Backfill shall be placed around the inlet in compected 6-in layers until the earth is even with notch elevation on ends and top
- 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 bypessing the inlet will not flow to a settling pond. The top of earth dikes shall be at least 5 in higher than the

# Silt Fence





## Stone Size-Two-inch stone shell be used,

3

10° or Sufficient to Direct Runoff

Construction Entrance

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

Length-The construction entrance shall be as long as required to atabilize high traffic areas but not less than 50 ft (except on ringle residence lot where a 30-ft immum.

or recycled concrete equivalent

PLAN VIEW

PROFILE

10 fc Minimum and Not Lose Then Width of Ingrate/Egrace

- 3 Thickness—The stone layer shall be at least 6 an thick
- Width-The entrance shall be at least 10 ft wide, but not less than the full width at points where ingress or egress coours
- 6 Bedding—A geotextile shall be pleased over the entire area prior to placing atone it shall have a Grab Tensile Strength of at at least 190 lb
- 6 Culvert-A pipe or culvert shall be constructed under the entrance if needed to prevent surface water flowing screes the entrance from being directed out onto peved surfaces

 Weter Bar—A water ber shell be constructed as part of the construction entrance if needed to prevent surface runoff from flowing the length of the construction entrance and out onto payed surfaces

Road or Other Boot Fared Surface

Geotextile cloth shall have an equivalent opening size (EOS) of 20-40 sieve and be

6 Two-inch stone shall be placed over the

under or around the geotescule cloth

Were meet and geotextile in such a manner

se to prevent water from entering the miet

- 8 Maintenance-Top dressing of additional 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 sediment controls, shall be removed imme Removal shall be accomplished by scraping
- 9 Construction entrances shall not be relied upon to remove mud from vehicles and prevent off-este tracking. Vehicles that enter and leave the construction-eric shell he

## Permanent Seeding

#### SITE PREPARATION

- A subsoiler, plow or other implement shall be used to reduce soil compaction and infiltration will help control both supoff rate and water quality ) Subsoling should be done when the soil moisture is low enough to allow the soil to creck or fracture Subsoling shall not be done on alsp-prone areas where soil preparation should be limited to what is necessary for establish
- 2 The arte shall be graded as needed to permit the use of conventional equipment for seedbed preparation and seeding
- Resoil shall be applied where needed to bbeh vegetabon

#### MOTAGAMEN CHARGE

- Lime-Agricultural ground limestone shall be applied to acid soil as recommended by a soil test. In lieu of a soil test, inne shell be if pe 000,1/ dl 001 to east with the beligger
- Fortikzer-Fortikzer shell be applied as mended by a sed test. In lieu of a sed test, fertilizer shall be applied at a rase of 12 lb/1,000 sq ft or 500 lb/sc of 10-10-10 or 12-12-12 analysis
- The lime and fertilizer shall be worked into the sod with a disk harrow, spring-tootl harrow, or other surtable field implement to a depth of 3 in. On aloping land the soil shall be worked on the contour

#### SECONG 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 impation, 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 SSEDMOS

- 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
- The following methods may be used for "Dormant Seeding"
- From October 1 through November 20, prepare the seedbed, add the required amounts of time and ferbizer, then mulch and enchor After November 20, and before Merch 15, broadcast the selected seed motture. Increses the seeding rates by 50% for this type of
- From November 20 through Merch 15, When soil conditions permit, prepare the seathed, irrns and ferbice, apply the selected seed mosture, mulch and anchor Increase the seeding rates by 50% for this type of seeding
- Apply seed uniformly with a cyclone seeder, driff, outspecker seeder, or seder (slurry may include seed and fertilizer) on a firm, moist seedbed

#### Where feesible, except when a 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 feeable

#### MULCHING

Mulch meterial 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 muich to achieve adequate stabilization. Dormant eaching shall be

- Strew-If strew is used it shall be Unrotted email-grain straw applied at the rate of 2 tons/sc or 90 lb /1,000 sq ft (two to three belos). The mulch shall be apread uniformly by hand or mechanically so the soil surface is covered For uniform distribution of hand-spread mulch, divide area into approximately 1,000-eq -ft sections and apread two 45-lb belos of straw in each section
- Hydrosesders-If wood cellulose fiber is used, it shall be used at 2,000 lb /ac or 46 lb /1,000 ag ft
- Other--Other acceptable mulches include mulch mattings applied according to manufacturer's applied at 6 tone/ed

#### 3 Straw Mulch Anchoring Methods

#### Straw mulch shall be anchored immediately to minureze loss by wind or weter

- Mechanical-A disk, crimper, or similar type tool shall be set streight to punch or anchor the mulch meternal into the soil Straw mechanically anchored shall not be finely chopped but, generally, be left longer then 6 m
- Mulch Nettings-Nettings shall be used scoording to the manufacturer's recommendations. Netting may be necessary to hold mulch in place in areas of concentrated runoff and or critical alopes
- Asphalt Enulsion-Asphalt shall be applied as recommended by the
- Synthetic Binders--Synthetic binders such as Acrylic DLR (Agri-Tac), DCA-70, Petroest, Terra Tack or equal may be used at rates recommended by the
- Wood Callulose Fiber-Wood cellulose fiber binder shall be applied at a net dry weight of 750 to /sc The wood cellulose fiber shall be moved with water and the mixture shall contain a meximum of 50 tb /100 gal of wood redit seclules

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

		manent Seeding	<b>7</b>	
Seed Mox	Seeding Rate		11-4-	
	lib /ac	lb /1,000ft <sup>1</sup>	Notes	
		General Use	1	
Creeping Red Feature Domestic Ryegrass Kentucky Bluegrass	20-40 10-20 10-20	%-1 %-% %-%		
Tall Feegue	40	1	<del></del>	
Dwarf Feecus	40	1	<del> </del>	
	Steep E	lanks or Cut Slope		
Tall Feaque	40	1	_	
Crown Vetch Tall Feecue	10 20	Ж %	Do not seed leter then Augus	
Flat Pea Tall Feacue	20 20	% %	Do not seed later then Augus	
	Road D	Mchas and Swale	•	
Tali Feecue	40	1		
Dwarf Feecue Kentucky Bluegrass	90 5	2%		
		Lawrie		
Kentucky Bluegrass Perennal Ryagnass	60 60	1 % 1 %		
Kentucky Bluegress Creeping Red Feecus	60 60	1 1/6 1 1/6	For sheded areas	

## EROSION CONTROL DETAILS

# foresight Engineering Group

440 286-1034 fax 320 Center Street, Unit F Chardon, Ohio 44024

## Engineers & Surveyors

SCALE: NONE

Page: 2/2

## Small Lot Building Sites

- Presseting vegetation shall be retained on idle portions of the building fot for as long as construction operations allow Clearing shall be done so only active working areas
- 2 Temporary seed (ennual rye, cets, 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 excevated from becoments shall be situated away from streets, swales, or other waterways and shall be seeded and/or mulched
- 4 Six fence shall control sheet flow runoff from the building lot it shall not be constructed in channels or grees of concentrated flew Other sediment controls such as inlet protection and sediment traps shall also be used as needed to control
- 5 Construction valuele access shall be limited to one route, to the greatest extent practical. The access shall be gravel or crushed rock applied to the driveway area
- 6 Mud tracked onto the street or medimens settled around curb mist protection shall be removed dely or as needed to prevent it from accumulating it shall be removed by shoveling and scraping and shall NOT be washed off paved surfaces or into atom

#### Temporary Seeding

Seeding Dates	Species	Lb /1,000 ft <sup>2</sup>	Per Ac
Merch 1 to August 15	Osts ,	3	4 bushe
	Tall Feecue	1	40 lb
	Annual Ryagrass	1	40 lb
	Perennial Ryagrass	1	40 lb
	Tall Feecue	1 1	40 lb
	Annual Ryegrass	1	40 lb
August 16 to November 1	five	3	2 bushel
	Tell Feecus	1	40 lb
	Annual Ryagrass	1	40 lb
	Wheet	3	2 bushel
	Tall Feecus	ī	40 b
	Annual Ryegraes	1	40 tb
	Perennei Ryegrase	1	40 lb
	Tail Feecus	1 [	40 lb
	Annual Ryagrass	1 1	40 lb

1 Structural erosion- and eadment-control practices such as diversions and sediment traps shell be installed and stabilized with temporary seeding prior to grading the rest

Note Other approved used appears 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 sile areas should be seeded as soon se possible after grading or shall be seeded within 7 days Several applications of temporary seeding are necessary on typical
- 3 The seedbed should be pulvenzed and loose to ensure the success of establish vegetation However, temporary seedin shall not be postponed if ideal acadbed preparation is not possible
- temporary vegetation shall establish adequate stands of vegetation which may require the use of soil amendments. Soil tests should be taken on the site to predict the need for irms and fertilizer
- 5 Seeding Method-Seed shell be applied uniformly with a cyclone seeder, drift, cultipacker seeder, or hydrojeeder. When feesible, seed that has been broadcast shall be covered by raking or dragging and then lightly tamped into place using a roller or cultipacker if hydroecoding is used, the seed and ferbizer will be mused on-site and the seeding shall be done unmediately and

### MULCHING TEMPORARY SEEDING

1 Applications of temporary seeding shall include mulch which shall be applied during or 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

### 2 Materials

· Straw-If straw is used, it shall be unrotted email-grain atraw applied at

- rq ft (two to three beles). The mulch shall be apread uniformly by hand or mechanically so the sed surface is covered For uniform distribution of vand-apread mulch, divide area into approximately 1,000-eq -ft sections and spread two 45-lb beloe of straw in
- Hydroseeders--if wood cellulose fiber is used, it shall be used at 2,000 to /ac or 46 lb /1,000 aq ft
- Other--Other acceptable mulches molude mulch mattings applied according to manufacturer's applied at 6 tons/ac
- 3 Straw mulch shall be anchored immediately to minimize loss by wind or water
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- · Asphelt Emuleion--Asphalt shall be applied as recommended by the menufacturer or at the rate of 160 cel /ec
- Synthetic Binders—Synthetic binders such as Acrylic DLR (Agri-Tec), DCA-70, Petroset, Terra Tack or equal may be used at retax recommended by the
- Wood-Cellulose Fiber--Wood-cellulos fiber binder shell be applied at a net dry weight of 750 to led. The woodcellulose fiber shall be mixed with water and the medure shall contain a meromum of 50 lb /100 gel