Specifications

Construction Entrance

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

- 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 noted to 2-by-4-in stakes driven on the opposite side of the
- The wire mesh shall be of sufficient strength to support fabric and stone. It shall be a continuous piece with a min-mun width of 30 in and 4 ft longer than the throat length of the inlet, 2 ft. on each side

PLAN VIEW

PROFILE

or recycled concrete equivalen

ength cookes)

at least 190 lb

paved surfaces

6 m thick

2 Length-The construction entrance shall be

3 Thickness--The stone layer shall be at least

Width-The entrance shall be at least 10 ft

points where ingress or egress occurs

5 Codding-A gootextile shall be placed over

wide, but not less than the full width at

the entire cree prior to placing stone It

least 200 lb and a Mullen Burst Strength of

constructed under the entrence if needed to

provent surface water flowing across the

entrance from being directed out ento-

6 Culvert--A pipe or culvert shall be

as long as required to stabilize high traffic

cross but not less than 50 ft. (except on

single residence lot where a 30-ft minimum

and Not Long Than With of

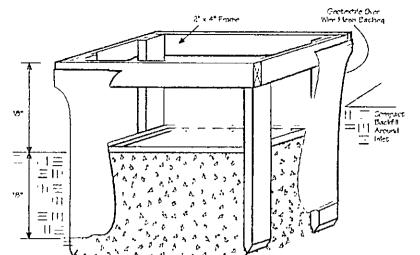
- The wire mesh and geotextile cloth shall be formed to the concrete gutter and against the face of the curb on both sides of the inlat and securely fastened to the 2-by-4-in

ent tesel to ed fishe it shall be at least the

Two inch stone shall be placed over the wire mesh and geotextile in such a manner as to prevent water from entering the inlet under or around the geotextile cloth

Inlet Protection in Swales, Ditch Lines or Yard Inlets

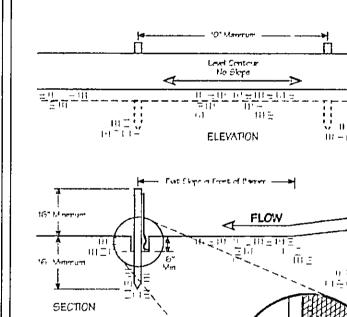
Specifications



- Inlet protection shall be constructed either before unalone 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 overlag local shown The top of the frame shall be at least 8 in blow 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
- Geotextile 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 in below the injet notch elevation. The geotextile shall overlep across one side of the inlet so the ends of the cloth are not
- 6 Backfill shall be placed around the inlet in compacted 8-in layers until the earth is even with notch elevation on ends and top elevation on sides.

fastened to the same post

A compacted earth dike or a check dam shall be constructed in the drich line below the inlet if the inlet is not in a depression and if runoff bypassing the inlet will not flow to a sattling pond. The top of earth dikes shall be at least 8 in higher than the top of the frame



18" or Sufficient Stona Size-Two-inch stone shall be used, Water Bar-A water bar shall be constructed as part of the construction entrance if

> entrance and out onto paved surfaces Maintenance-Top dressing of additional stone she'll be applied as conditions demand Mud spilled, dropped, washed or tracked onto public roads, or any surface where runoff is not checked by sedment controls, shall be removed immediately Removal shall be accomplished by screping

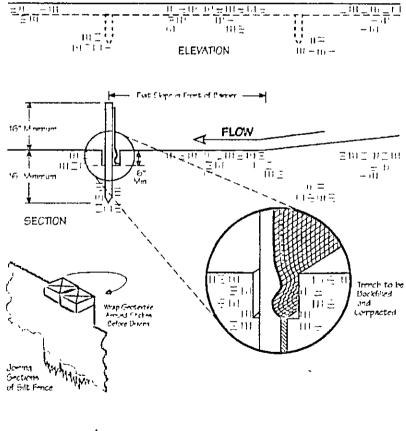
needed to prevent surface runoff frem

flowing the length of the construction

Road or Other Existing Poved Surface

Construction entrances shall not be relied upon to remove mud from vehicles and prevent off-site tracking. Vehicles that enter restricted from muddy cross

Specifications Silt Fence



Specifications Permanent Seeding

SITE PREPARATION

1 A subsoiler, plow or other implement shall be used to reduce soil compection and infiltration will help control both runoff rate and water quality.) Subspiling should be done when the soil moisture is low enough to allow the soil to crack or fracture Subsoiting shall not be done on slip-pronareas where not preparation should be limited to what is necessary for establishing

- The site shall be graded as needed to permit the use of conventional equipment for seedbed preparation and seeding
- Resoil shall be applied where needed to establish vegetation

SEEDCED PROPARATION

- Lime-Agricultural ground limestone shall be applied to acid soil as recommended by a soil test. In heu of a soil test, lime shall be applied at the rate of 100 lb /1,000 sq. ft
- Fortilizer-Fortilizer 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-touth harrow, or other suitable field implement to a depth of 3 in. On sloping land the soil shall be worked on the centour

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 senson - 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 seeding

DORMANT SEEDINGS

- Seedings shall not be planted from October 1 through November 20. Dunny 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, edd the required amounts of lime and fertilizer, ther mulch and anchor After November 20, and before Merch 15, breedeast the selected seed mixture increase the seeding rates by 50% for this type of
- From November 20 through Merch 15, when soil conditions permit, prepare the seedbed, lime and fertilize, apply the selected seed mixture, mulch and enchor. Increase the seeding rates by 50% for this type of seeding
- Apply seed uniformly with a cyclone ceeder, drill, cultipacker ceeder, or hydro-seeder (slurry may include seed and fertilizer) on a firm, moist seedbed

 Where feasible, 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 feesible

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

2 Materials

- Straw-If straw is used it shall be unrotted small-grain straw epplied at the rate of 2 tons/sc or 90 lb /1,000 sq ft (two to three beles). The mulch shell be spread uniformly by hand or mechanically so the soil surface is covered. For uniform distribution of hand spread mulch, divide area into enorities of pe-000,1 questions and apreed two 45-th 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 applied according to manufacturer's replied at 6 tons/ec

Straw Mulch Anchoring Methods

Straw mulch shall be anchored immediately to minimize less by wind or water

- Mechanicat--A disk, crimper, or similar type tool shall be set straight to punch or anchor the mulch material into the soil Straw mechanically enchored shall not be finely chopped but, generally, be left longer then B in
- Mulch Nattings—Nattings shall be used according to the manufacturer's recommendations Netting may be necessary to hold mulch in place in areas of concentrated runoff and ori critical stones
- Asphalt Emulsion--Asphalt shall be applied as recommended by the manufacturer or at the rate of 160
- Synthetic Binders—Synthetic binders such as Acrylic DLR (Agri-Tac), DCA-70, Petroset, Terra Tack or equal may be used at rates recommended by the
- Wood Cellulose Fiber-Wood cellulose fiber binder shall be applied at a not 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 gal of wood cellulose fiber

- Permanent aceding shall include irrigation to establish vegetation during dry or hot weather or on edverse site conditions es needed for adequate moisture for seed dermination and plant growth
- 2 Excessive impation rates shall be avoided and irrigation monitored to prevent crosion and damage from runoff

	Pen	manent Seeding	
Sead Mix	Seeding Rate		
	lb /ac	1b /1,000ft ²	Notes
		General Use	•
Creeping Red Feature Domestic Ryegrass Kentucky Cluegrass	20-40 10-20 10-20	½-1 %-½ %-½	
Tall Fescue	40	1	
Dwarf Fescue	40	1	
	Steep E	Banka or Cut Slope	3
Tall Fescue	40	1	
Crown Vetch Tall Fescue	10 20)4 %	Do not seed later than Augus
Flat Pea Tall Fescue	20 20	Уs 35	Do not seed later than Augus
	Road C	itches and Swale	3
Tall Fescus	40	1	
Dwarf Fescue Kentucky Bluegrasa	90 5	2%	
		Lawns	
Kentucky Eluegrass Peronnial Ryegress	60 60	1 1/2 1 1/2	
Kentucky Bluegrass Creeping Red Fescus	60 60	1 ½ 1 ½	For shaded areas

EROSION CONTROL DETAILS

Foresight Engineering

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

SCALE: NONE

Page: 2/2

Specifications

Small Lot Building Sites

- Presxisting vegetation shall be retained on idle portions of the building lot for as long es construction operations allow Cleaning shall be done so only active working areas
- 2 Temporary seed (annual ryo, oats, etc.) and/or mulch shall be applied to areas, such as stockniles, that are here 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 shall control shoot flow runoff from the building for it shall not be constructed in channels or areas of concentrated flow. Other sediment controls such as infet protection and sediment traps shall also be used as needed to control
- 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
- Mud tracked onto the street 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. drains

Temporary Seeding

Species	Lb /1,000 ft ^z	Per Ac
Oats	3	4 bushel
Ta'l Fescue	1	40 lb
Annual Ryegrass	1	40 lb
Perennial Ryegrass	1	40 lb
Tall Fescus	1	40 lb
Annual Ryegrass	1	40 lb
Rye	3	2 bushel
Tall Fescue	!	40 lb
Annual Ryegrass	!	40 lb
Wheat	3	2 bushel
Tall Fescue	1	40 lb
Annual Ryegress	1	40 lb
Perennial Ryagrass Tall Fescus Annual Ryegrass	1 1 1	40 lb 40 lb 40 lb
	Oats Ta'l Fescue Annual Ryegrass Ta'l Fescue Annual Ryegrass Rye Tall Fescue Annual Ryegrass Wheat Ta'l Fescue Annual Ryegrass Perennial Ryegrass Tall Fescue	Onts 3 Ta'l Fescue 1 Annual Ryegrass 1 Perannial Ryegrass 1 Tail Fescue 1 Annual Ryegrass 1 Rye 3 Tail Fescue 1 Annual Ryegrass 1 Wheat 3 Ta'l Fescue 1 Annual Ryegrass 1 Perennial Ryegrass 1 Tail Fescue 1

- 1 Structural crosson- and sadiment-control practices such as diversions and sediment trops shall be installed and stabilized with temporary sending prior to grading the rest of the construction-site
- 2 Temporary seed shall be applied between construction operations on soil that will not be graded or reworked for 45 days or more These idle areas should be needed as soon as possible after grading or shall be seeded within 7 days. Several epplications of temporary seeding are necessary on typical construction projects
- 3 The seedbed should be pulverized and loose to ensure the success of establishing vegetation. However, temporery aceding shall not be postponed if ideal seedbed 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 lime and fartilizer
- 5 Seeding Method-Seed shall be applied uniformly with a cyclone seeder, drill, cultipacker seeder, or hydrofreder. When feasible, seed that has been breadcast shall be covered by raking or dragging and then lightly 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 molude 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 areas may not need mulch to achieve adequate stabilization

2 Materials

· Straw-If atraw to used, it shall be unrotted small-grain straw applied at the rate of 2 tons/ac or 90 lb /1,000

sq It (two to three beles). 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 bales of straw in each section

- Hydroseeders-If wood chilulose fiber is used, it shall be used at 2,000 fb /ac or 46 lb /1,000 sq. ft
- Other--Other acceptable mulches include mulch mattings applied according to manufacturer's endations or wood chips copied at 6 tons/ec
- 3 Straw mulch shall be enchored immediately to minimize loss by wind or water Anchoring Methods
- Mechanical--A disk, crimper, or similar type tool shall be set streight to punch or anchor the mulch material into the soil. Straw mechanically enchored shall not be finely chopped but, generally, be left longer than 6 in
- Mulch Nettings-Nettings shall be used according to the manufacturer's recommendations. Notting may be necessary to hold mulch in place in creas of concentration runoff and on critical slopes
- · Asphalt Emulsion--Asphalt shall be applied as recommended by the manufacturer or at the rate of 160 gal /ac
- Synthetic Binders--Synthetic binders such as Acrylic DLR (Agn-Tac), DCA-70 Petroset Term Tack or count may be used at rates recommended by the manufacturer
- Wood-Cellulose Fiber--Wood-cellulose fiber binder shall be epolied at a not dry weight of 750 lb/sc. The woodcellulose fiber shall be mixed with water and the mixture shell contain a maximum of 50 lb /100 gal