Construction Entrance

50 ft (c- 30 ft for Access to Individual House Lat)

inlet protection shall be constructed either before upslope land disturbance begins or

ELEVATION

- The wooden frame it to be constructed o 2-by-4-m construction-grade lumber The end specers shall be a minimum of 1 ft beyond both ends of the throst opening The anchors shall be nailed 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 minimum width of 30 in and 4 ft longer than the throat length of the injet, 2 ft on each side

PLAN YIEW

Stone Size-Two-inch stone shall be used,

Length-The construction entrance shall be

as long as required to atabilize high traffic

areas but not less than 50 ft (except on

3 Truckness-The stone layer shall be at least

4 Width-The entrance shall be at least 10 ft

wide, but not less than the full width at points where ingress or egress occurs

Bedding-A geotextile shall be placed over

the entire area prior to placing atone It

shell have a Grab Tensile Strength of at

least 200 lb and a Mullen Burst Strength of

8 Culvert--A pipe or culvert shall be

constructed under the entrance if needed to

prevent surface water flowing across the

entrance from being directed out onto peved surfaces

ingle residence lot where a 30-ft minimum

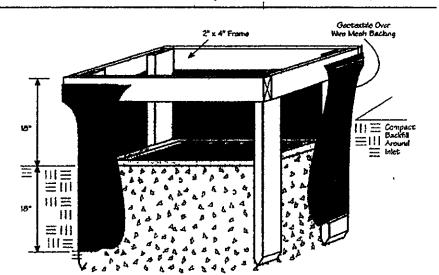
or recycled concrete equivalent

length applied

6 m thick

- Geotextile cloth shall have an equivalent opening size (EOS) of 20-40 sleve and be reinstant to sunlight. 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 sides of the solet and securely festened to the 2-by-4-in
- 6 Two-mch stone shall be placed over the were mesh and geotextile in each a manner as to prevent water from entering the inlet under or around the geotextile cloth

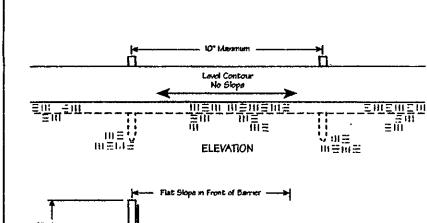
Specification Inlet Protection in Swales, Ditch Lines or Yard Inlets

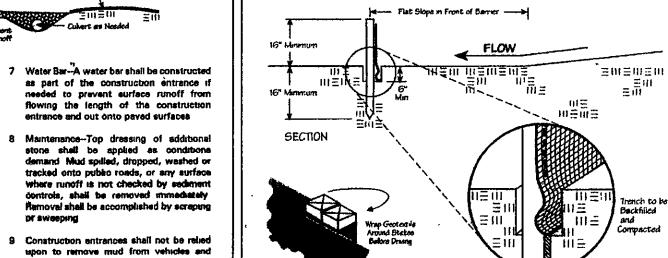


- before upslape land disturbance begins or
- 2 The earth around the inlet shall be excavated completely to a depth at least 18
- The wooden frame shall be constructed of 2-by-4-in construction-grade lumber The 2-by-4-in posts shall be driven 1 ft into the ground at four corners of the inlet and the top portion of 2-by-4-in frame assembled using the overlap joint shown The top of the freme shall be at least 8 in low adjacent roads if ponded water would 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 frame and festened securely to
- Geotextile shall have an equivalent openin size of 20-40 sieve and be resistant to sunlight. It shall be stretched tightly aroun 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 overlap 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 6-m layers until the earth is even with notch elevation on ends and top sebia no nortevele
- 7 A compacted earth thice 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 bypessing the inlet will not flow to a switing poind. The top of earth disks shall be at least 6 in higher than the

≘iñ

Specifications Sift Fence





Road or Other Exists
Paved Surface

8 Maintenance--Top dressing of additional stone shell 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 immediately Hemovel shall be accomplished by screping

9 Construction entrances shall not be relied upon to remove mud from vehicles and plevent off-site tracking. Valueles that enter and leave the construction-site shall be restricted from muddy areas

Permanent Seeding

SITE PREPARATION

A subsoiler, plow or other implement shall be used to reduce soil compaction and infiltration will help control both runoff rate and water quality } Subsoiting should be done when the soil moisture is low enough to allow the soil to crack or fracture Subsoling shall not be done on shp-prone areas where soil 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 ageding
- Resort shall be applied where needed to establish vegatation

SEEDBED PREPARATION

- Lime-Agricultural ground limestone shall be applied to acid soil as recommended by a soil test. In lieu of a soil test, lime shall be applied at the rate of 100 lb /1,000 sq. ft
- Fertilizer-Fertilizer shall be applied as recommended by a soil test. In lieu of a soil test, fertilizer shall be applied at a race 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 harrow, spring-tooth harrow, or other suitable field implement to a depth of 3 in. On sloping land the soil

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, easings 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 seption on dormant seeding

DORMANT SEEDINGS

- 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 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 Merch 15. when soil conditions permit, prepare the seedbed, lime and fertilize, apply the selected seed mixture, mulch and anchor increase the seeding rates by 50% for this type of seeding
- Apply seed uniformly with a cyclone seeder, drill, cultipacker seeder, or hydro-seeds: (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 lend, seeding operations should be on the

MULCHING

Mulch moterial 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 Dormant seeding shall be mulched

2 Materials

- Straw-If straw is used it shall be unrotted small-grain straw applied at the rate of 2 tons/sc or 90 lb /1,000 sq it itwo 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 beles of straw in
- Hydroseeders--If wood callulose fiber is used, it shall be used at 2,000 lb /sc or 46 lb /1,000 sq ft
- Other--Other acceptable mulches include mulch mattings applied according to manufacturer's recommendations or wood chips applied at 6 tons/sc

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 meterial into the soil Straw mechanically anchored shall not be finely chopped but, generally, be left longer than 8 in
- Mulch Nettings--Nettings shall be used according to the manufacturer's recommendations Netting may be necessary to hold mulch in place in areas of concentrated runoff and or critical slopes
- Asphalt Emulsion--Asphalt shall be applied as recommended by the manufacturer or at the rate of 160
- Synthetic Binders-Synthetic binders such as Acrylia 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 net dry weight of 750 lb /ac. The wood cellulose fiber shall be mixed with water and the mixture shall contain a maximum of 60 lb /100 gall of wood cellulose fiber

IRRIGATION

- 1 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

	Pen	manent Seeding	
Seed Mix	Seeding Rate		
Seed Mix	lb /ac	16 /1,000ft ⁴	Notes:
		General Use	
Creeping Red Fascus Domestic Ryegrass Kentucky Bluegrass	20-40 10-20 10-20	½-1 ¼-½ ¼-½	
Tali Fescue	40	1	
Dwarf Feacue	40	1	
· · · · · · · · · · · · · · · · · · ·	Steep E	Banks or Cut Slope	B\$
Tall Fescue	40	1	_
Crown Vetch Tail Fescue	10 20	14 15	Do not seed leter than August
Flet Pea Tall Fescue	20 20	% %	Do not seed leter then August
	Road D	Ditches and Swale	8
Tall Fescue	40	1	
Dwarf Fescue Kentucky Bluegrass	90 5	2%	
		Lawns	
Kentucky Bluegrass Perennal Ryegrass	60 60	1 ½ 1 ½	·
Kentucky Bluegrass Cresping Red Fescue	60 60	1 % 1 %	For sheded areas
Note Other approved seed spe	ces may be sub	Strivisci	14

EROSION CONTROL DETĂILS

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

Preexisting vegetation shall be retained on idle portions of the building fot for as long as construction operations allow. Cleaning shell be done so only active working areas

- 2 Temporary seed (annual rye, oats, 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 shall be seeded
- 4 Silt fence shall control sheet flow runoff from the building lot it shall not be constructed in channels or areas of ncentrated flow. Other sediment controls such as inlet protection and sediment traps shall also be used as needed to control sediment runoff
- Construction vehicls 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.
- Mud tracked onto the street or sediment settled around curb miet protection shall be removed daily 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 storm

Specification Temporary Seeding

Seeding Dates	Species	Lb /1,000 ft ²	Per Ac
March 1 to August 15	Oats ,	3	4 bushel
	Tall Fescue	1	40 lb
	Annual Ryegrass	1	40 lb-
	Perennial Ryagrass	1	′ 40 lb
	Tall Fescue	1	40 lb
	Annual Ryegrass	1	40 lb
August 16 to November 1	! Rye .	3	2 bushel
	Tell Feacue	i i	40 ib
	Annual Ryegrass	i	40 ib
	Wheat	. 3	2 bushel
	Tall Feacue	' i	40 lb
	Annual Ryegrass	1	40 lb
	Perennial Ryegrasa	1	40 15
,	Tall Fescue	1	40 lb
	Annual Ryegrass	1	40 lb

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

Note Other approved seed species 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 idle areas should be seeded as soon as possible after grading or shall be seeded within 7 days Several applications of temporary seeding are necessary on typical

3 The seedbed should be pulverized and loose to ensure the success of establishing vegetation However, temporary seeding shall not be postponed if ideal seedbed preparation is not possible

4 Soil Amendments--Applications of temporary vegetation shall establish adequate stands of vegetation which may tests should be taken on the site to predict the need for lime and fertilizer

'5 Seeding Method-Seed shall be applied uniformly with a cyclone seeder, drill, cultipacker seeder, or hydroseeder. When feasible, seed that has been broadcast shall be covered by raking or dragging and then lightly tamped into place using a roller or cultipacker if hydroseeding is used, the seed and fartilizer will be mixed on site and the seeding shall be done sumediately and without interruption

MULCHING TEMPORARY SEEDING

1 Applications of temporary seeding shall molude 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

2 Materials

• Straw-if straw is used, it shall be unrotted small-grain straw applied at the rate of 2 tons/ac or 90 lb /1,000

eq ft (two to three bales). The mulch shall be scread uniformly by hand or mechanically so the soil aurface is covered For uniform distribution of hand-spread mulch, divide, area into approximately 1,000-sq -ft¹ sections and spread two 45-lb belos of straw in each section

 Hydroseeders-if wood cellulose 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 dations or wood chips applied at 6 tons/ec

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

> Mechanical--A disk, crimper, of similar or enchor the mulch material into the soil Straw mechanically anchored shall not be finely chopped but, generally, be left longer than 8 in

 Mulch Nettings-Nettings shall be used according to the manufacturer's recommendations. Netting may be necessary to hold mulch in place in areas of concentration runoff and oncritical slopes

 Asphalt Emulaion--Asphalt shall be applied as recommended by the menufacturer or at the rate of 160

 Synthetic Binders-Synthetic binders auch as Acrylic DLR (Agri-Tec), DCAbe used at rates recommended by the manufacturer

● Wood-Cellulose Fiber--Wood-cellulose fiber binder shall be applied at a net dry weight of 750 lb/ec. The woodcellulose fiber shall be mixed with water and the mixture shalt contain a maximum of 50 fb /100 gel

යි Engine ដ **说**, ‡0; 10 Мау .dwg \LIB\CAD\Soil&water