

EROSION CONTROL DETAILS

Foresight Engineering Group

Engineers & Surveyors

440 286-1010
440 286-1034 fax
320 Center Street, Unit F
Chardon, Ohio 44024

SCALE : NONE

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Specifications for Small Lot Building Sites

- 1 Preexisting vegetation shall be retained on idle portions of the building lot for as long as construction operations allow. Clearing shall be done so only active working areas are bare.
- 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 and/or mulched.
- 4 Silt fence shall control sheet flow runoff from the building lot. It shall not be constructed in channels or areas of concentrated flow. Other sediment controls such as inlet protection and sediment traps shall also 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 driveway area.
- 6 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 shoveling and scraping and shall NOT be washed off paved surfaces or into storm drains.

Specifications for Temporary Seeding

Temporary Seeding Species Selection			
Seeding Dates	Species	Lb / 1,000 ft ²	Per Acre
March 1 to August 15	Oats	3	4 bushel
	Tall Fescue	1	40 lb
	Annual Ryegrass	1	40 lb
	Perennial Ryegrass	1	40 lb
	Tall Fescue	1	40 lb
	Annual Ryegrass	1	40 lb
August 16 to November 1	Rye	3	2 bushel
	Tall Fescue	1	40 lb
	Annual Ryegrass	1	40 lb
	Wheat	3	2 bushel
	Tall Fescue	1	40 lb
	Annual Ryegrass	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, sodding practices or dormant seeding		
	Note: Other approved seed species may be substituted.		

- 1 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 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 seeded as soon as possible after grading or shall be seeded within 7 days. Several applications of temporary seeding are necessary on typical construction projects.

- 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 matting applied according to manufacturer's recommendations or wood chips applied at 8 tons / ac.

- 3 Straw mulch shall be anchored 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 6 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 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, Terra Tack or equal may be 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 / 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.

- 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.

Permanent Seeding

Seed Mix	Seeding Rate		Notes
	lb / ac	lb / 1,000 ft ²	
General Use			
Creeping Red Fescus	20-40	1/2	
Domestic Ryegrass	10-20	1/2	
Kentucky Bluegrass	10-20	1/2	
Tall Fescue	40	1	
Dwarf Fescue	40	1	
Steep Banks or Cut Slopes			
Tall Fescue	40	1	
Crown Vetch	10	1/2	Do not seed later than August
Tall Fescue	20	1/2	
Flat Pea	20	1/2	Do not seed later than August
Tall Fescue	20	1/2	
Road Ditches and Swales			
Tall Fescue	40	1	
Dwarf Fescue	90	2 1/2	
Kentucky Bluegrass	60	1 1/2	
Perennial Ryegrass	60	1 1/2	
Lawns			
Kentucky Bluegrass	60	1 1/2	
Perennial Ryegrass	60	1 1/2	
Kentucky Bluegrass	60	1 1/2	
Creeping Red Fescue	60	1 1/2	For shaded areas

Notes: Other approved seed species may be substituted.

- 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 small-grain straw applied at the rate of 2 tons / ac or 90 lb / 1,000

- Synthetic Binders-Synthetic binders such as Acrylic DLR (Agn-Tac), DCA-70, Petroset, Terra Tack or equal may be 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 / ac. The wood-cellulose fiber shall be mixed with water and the mixture shall contain a maximum of 50 lb / 100 gal.

