

GEORGIA UNIFORM CODING SYSTEM

FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES

GEORGIA SOIL AND WATER CONSERVATION COMMISSION

STRUCTURAL PRACTICES

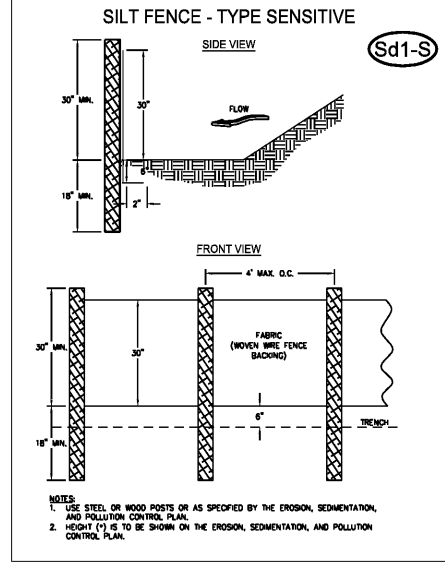
CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Cd	CHEDDAR			A small temporary barrier or dam constructed across a gully, drainage ditch or area of concentrated flow.
Ch	CHANNEL STABILIZATION			Improving, constructing or stabilizing an open channel, existing stream, or ditch.
Co	CONSTRUCTION EXIT			A crushed stone pool located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Cr	CONSTRUCTION ROAD STABILIZATION			A temporary structure constructed as part of a construction plan including access roads, material roads, parking areas and other on-site vehicle transportation routes.
Dc	STREAM DIVERSION CHANNEL			A temporary channel constructed to convey flow around a construction site while a permanent structure is being constructed.
Di	DITCH			An earth channel or dike located above, below or across a slope to divert runoff. This may be a temporary or permanent structure.
Dn1	TEMPORARY DRAINAGE STRUCTURE			A flexible conduit of heavy-duty fabric or other material designed to safely conduct surface runoff down a slope. This is temporary and inexpensive.
Dn2	PERMANENT DRAINAGE STRUCTURE			A paved chute, pipe, sectional conduit or other material designed to safely conduct surface runoff down a slope.
Fr	FILTER RING			A temporary stone barrier constructed of storm drain inlets and pond outlets.
Ga	GABION			Rock filter baskets which are hand-placed into position forming soil stabilizing structures.
Gr	GRAZE STABILIZATION STRUCTURE			Permanent structures installed to protect channels or wetlands where otherwise the slope would be sufficient for the running water to form gulches.
Lv	LEVEL SPREADER			A structure to convert concentrated flow of water into less erosive sheet flow. This should be constructed only on undisturbed soils.
Rd	ROCK FILTER DAM			A permanent or temporary stone filter dam installed across small streams or drainage ways.
Re	RETAINING WALL			A wall installed to stabilize out and fill slopes where maximum permissible slopes are not obtainable. Each situation will require special design.
Rt	RETRO FITTING			A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary sediment filter.
Sd1	SEDIMENT BARRIER			A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
Sd2	INLET SEDIMENT TRAP			An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.
Sd3	TEMPORARY SEDIMENT BASIN			A basin created by excavation and stabilization to temporarily store the surface water runoff is temporarily stored allowing the bulk of the sediment to drop out.
Sd4	TEMPORARY SEDIMENT TAP			A small temporary pond that drains a disturbed area so that sediment can settle out. The principle feature distinguishing a temporary sediment trap from a temporary sediment basin is the lack of a pipe or riser.
Sk	FLOATING SURFACE SOMMER			A buoyant device that releases/drops water from the surface of sediment ponds, traps, or basins at a controlled rate of flow.
Spb	SEEP BERM			Linear control device constructed as a diversion perpendicular to the direction of runoff to enhance dissipation and infiltration, while creating multiple sedimentation chambers with the employment of intermediate dikes.

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Sr	TEMPORARY STREAM CROSSING			A temporary bridge or culvert-type structure protecting a stream or watercourse from damage by crossing construction equipment.
St	STORMDRAIN GULCH PROTECTION			A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.
Su	SURFACE ROUGHENING			A rough soil surface with horizontal depressions on a contour or slopes left in a roughened condition after grading.
Tc	TURBIDITY CURTAIN			A floating or staked barrier installed within the water (it may also be referred to as a floating boom, silt barrier, or silt curtain).
Tp	TOPSOILING			The practice of stripping off the more fertile soil, storing it, then spreading it over the disturbed area after completion of construction activities.
Tr	TREE PROTECTION			To protect desirable trees from injury during construction activity.
Wt	VEGETATED WATERWAY OR STORMWATER CONDUITANCE			Paved or vegetative water outlets for operations, terraces, seeps, dikes or similar structures.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Bf	BUFFER ZONE			Strip of undisturbed original vegetation, enhanced or restored existing vegetation or the reestablishment of vegetation surrounding an area of disturbance or bordering streams.
Cs	CENTRAL DIKE STABILIZATION (WITH VEGETATION)			Planting vegetation on dikes that are structurally artificially constructed, or re-nourished.
Ds1	DEFERRED AREA STABILIZATION (WITH MULCHING ONLY)			Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion-retarding cover.
Ds2	DEFERRED AREA STABILIZATION (WITH MULCHING AND SEEDING)			Establishing a temporary vegetative cover with fast growing seedlings on disturbed areas.
Ds3	DEFERRED AREA STABILIZATION (WITH MULCHING AND SEEDING)			Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Ds4	DEFERRED AREA STABILIZATION (SEEDING)			A permanent vegetative cover using seeds on highly erodible or critically eroded lands.
Du	DUST CONTROL ON EXPOSED AREAS			Controlling surface and air movement of dust on construction sites, roadways and similar sites.
Fc	FLOCCULANTS AND COAGULANTS			Substances formulated to assist in the solids/liquid separation of suspended particles in solution.
Sb	STREAMBANK PROTECTION (WITH VEGETATION)			The use of readily available native plant species to stabilize and enhance streambanks, or to prevent, or restore and repair small streambank erosion problems.
Ss	SLOPE STABILIZATION			A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.
Tac	TACKERS AND BINDERS			Substances used to anchor straw or hay mulch by causing the organic material to bind together.



Ds1

Table 1. Mulching Application Requirements

Material	Rate	Depth
Straw or hay	---	2" to 4"
Wood waste, chips, sawdust, bark	---	2" to 3"
Cutback asphalt	1200 gal./acre, 1/4 gal./sq. yd. or See manufacturer's recommendations	---
Polyethylene film	Secure with soil anchors, weights	---
Geotextiles, jute matting, netting, etc.	See manufacturer's recommendations	---

MAINTENANCE

- Add mulch as needed to maintain the suggested depth.
- If organic mulch is to be left and incorporated into the soil, apply 20-30 pounds of nitrogen in addition to the fertilizer required for vegetation.

Ds2

MAINTENANCE

- Re-seed areas where an adequate stand of temporary vegetation fails to emerge or where a poor stand exists.

Table 1. Some Temporary Plant Species, Seeding Rates and Planting Dates (continued)

Species	Rates Per 1,000 sq. ft.	Rates per Acre	Planting Dates by Region	Notes
Oats Alone	2.09 lbs.	4 bu.	9/15-11/15	
Oats in Mixtures	7.29	1 bu.	9/15-11/15	
Rye (Strain) Alone	3.00 lbs.	5 bu.	8/15-10/15	
Rye in Mixtures	8.00	---	10/15-12/15	
Ryegrass	0.9 lbs.	1 bu.	11/15-1/15	
Ryegrass	1.4 lbs.	60 lbs.	6/1-7/15	
Trifolium Alone	2.3 lbs.	2 bu.	NA	
Trifolium in Mixtures	6.00	---	9/15-11/15	
Wheat in Mixtures	1.1 lbs.	1 bu.	9/15-11/15	

Table 1. Fertilizer Requirements for Temporary Vegetation

Types of Species	Planting Year	Fertilizer (N-P-K)	Rate (lbs./acre)	N Top Dressing Rate (lbs./acre)
Warm season grasses	First	8-12-12	1500	50-100
Warm season grasses	Second	8-12-12	1500	30
Maintenence	10-10-10	400	---	---
Cool season grasses & legumes	First	8-12-12	1300	0-50
Cool season grasses & legumes	Second	0-10-10	1000	---
Cool season grasses & legumes	Maintenence	0-10-10	400	---
Temporary cover crops seeded alone	First	10-10-10	500	30
Warm season grasses	First	8-12-12	1500	50-100
Warm season grasses	Second	8-12-12	800	50-100
Warm season grasses	Maintenence	10-10-10	400	30

Table 1. Some Permanent Plant Species, Seeding Rates, and Planting Dates (continued)

Species	Rate per 1,000 sq. ft.	Rate per Acre	Planting Dates by Region	Notes
Acacia	1.00	1 bu.	8/15-10/15	Use only on well-drained soils
Albizia	1.00	1 bu.	8/15-10/15	Use only on well-drained soils
Black locust	1.00	1 bu.	8/15-10/15	Use only on well-drained soils
Casahuate	1.00	1 bu.	8/15-10/15	Use only on well-drained soils
Cassia	1.00	1 bu.	8/15-10/15	Use only on well-drained soils
Coconut	1.00	1 bu.	8/15-10/15	Use only on well-drained soils
Cupressus	1.00	1 bu.	8/15-10/15	Use only on well-drained soils
Juniper	1.00	1 bu.	8/15-10/15	Use only on well-drained soils
Larix	1.00	1 bu.	8/15-10/15	Use only on well-drained soils
Pinus	1.00	1 bu.	8/15-10/15	Use only on well-drained soils
Prunella	1.00	1 bu.	8/15-10/15	Use only on well-drained soils
Thuja	1.00	1 bu.	8/15-10/15	Use only on well-drained soils
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Cassia	1.00	1 bu.	8/15-10/15	Use only on well-drained soils
Cupressus	1.00	1 bu.	8/15-10/15	Use only on well-drained soils
Juniper	1.00	1 bu.	8/15-10/15	Use only on well-drained soils
Larix	1.00	1 bu.	8/15-10/15	Use only on well-drained soils
Pinus	1.00	1 bu.	8/15-10/15	Use only on well-drained soils
Prunella	1.00	1 bu.	8/15-10/15	Use only on well-drained soils
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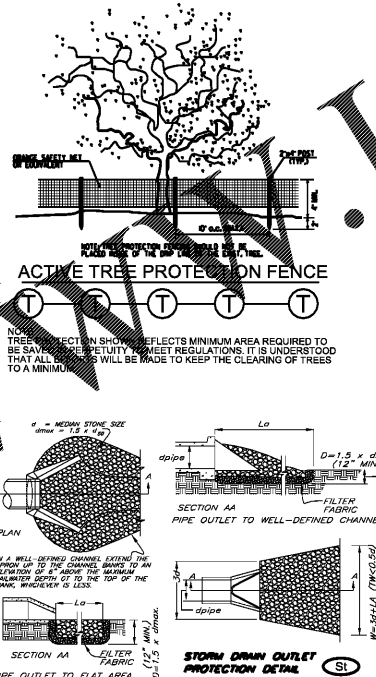
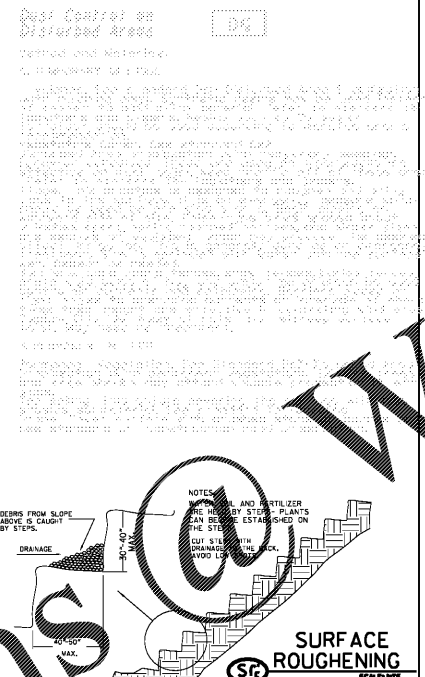


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