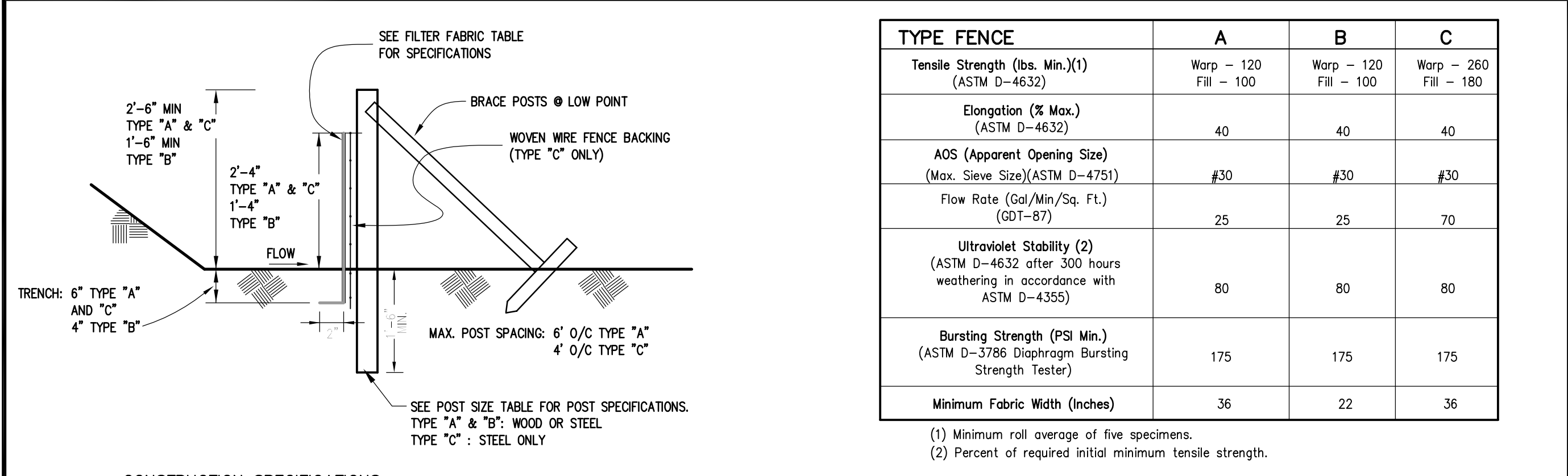


SPECIES		Broadcast Rate 2/ = PLS 3/ Per Acre 1000 sq. ft.	Resource Area 4/	Planting Dates by Resource Area	Remarks
Disturbed Area Stabilization (With Temporary Seeding) Ds2					
CONSTRUCTION SPECIFICATIONS					
Grading and Shaping					
Excavate water runoff shall be reduced by properly designed and installed erosion control practices such as closed drains, ditches, dikes, diversions, sediment barriers and others.					
No shaping or grading is required if slopes can be stabilized by handseeded vegetation or if hydraulic seeding equipment is to be used.					
Seedbed Preparation					
When a hydraulic seeder is used, seeded preparation is not required. When using conventional or handseeded, seeded preparation is not required if the soil material is loose and not sealed by rainfall.					
When soil has been sealed by rainfall or consists of smooth soil slopes, the soil shall be pitted, trenched or otherwise scarified to provide a place for seed to lodge and germinate.					
Lime and Fertilizer					
Agricultural lime is required unless soil tests indicate otherwise. Apply agricultural lime at a rate of one ton per acre. Graded areas require lime application. Soil can be tested to determine if fertilizer is needed. On temporary seedings, lime or soil with lime should not be required. For soils with very low lime content, 100 to 700 pounds of 10-10-10 fertilizer or not required per acre (100 to 700 lbs./A) and as applicable. Fertilizer fertilizer should be applied before land preparation and incorporated with a disk, tiller or chisel.					
Seeding					
Select a grass or grass-legume mixture suitable to the area and season of the year. Seed shall be applied uniformly by hand, cyclone seeder, drill, cat/coult/seeder, or hydraulic seeder (larry including seed and fertilizer). Drill or cat/coult/seeder should normally place seed one-quarter to one-half inch deep. Appropriate depth of planting is ten times the seed diameter. Soil should be tilled lightly to cover seed with soil if seeded by hand.					
Mulching					
Temporary vegetation can, in most cases, be established without the use of mulch. Mulch without seeding should be considered for short-term protection. Refer to Disturbed Area Stabilization (With Mulching Only).					
DISTS (Avena sativa)		4 bu. 2.9 b. (18 bu.)	P	J F M A M J J A S O N D	13,000 seed per pound. Use as productive silt. Not as winterhardy as rye or barley.
RYE (Secale cereale)		3 bu. 3.9 b. (18 bu.)	P	J F M A M J J A S O N D	18,000 seed per pound. Quick cover. Drought tolerant and winterhardy.
RIVERGRASS, ANNUAL (Lolium temutum)		40 bu. 0.9 b. (10 bu.)	P	J F M A M J J A S O N D	27,000 seed per pound. Dense cover. Very competitive and fast to seed in mixtures.
SUDANGRASS (Sorghum sudanense)		60 bu. 1.4 b. (18 bu.)	P	J F M A M J J A S O N D	55,000 seed per pound. Good cover. Drought tolerant and winterhardy.
WHEAT (Triticum aestivum)		3 bu. 4.1 b. (18 bu.)	P	J F M A M J J A S O N D	15,000 seed per pound. Winterhardy.
1/ Temporary cover crops are very competitive and will crowd out perennials if seeded to heavily.					
2/ Reduce seeding rates by 50% when drilled.					
3/ PLS is an abbreviation for Pure Live Seed.					
4/ P represents the Southern Piedmont MRA.					

Disturbed Area Stabilization (with Temporary Vegetation)



TYPE FENCE		A	B	C
Tensile Strength (lbs. Min.)(1)		Warp - 120 Fill - 100	Warp - 120 Fill - 100	Warp - 260 Fill - 180
Elongation (% Max.)		40	40	40
AOS (Apparent Opening Size)		#30	#30	#30
Flow Rate (Gal/Min/Sq. Ft.)		25	25	70
Ultraviolet Stability (2)		80	80	80
Bursting Strength (PSI Min.)		175	175	175
Minimum Fabric Width (inches)		36	22	36

POST SIZE		Minimum Length	Type of Post	Size of Post
Type A	4'	Soft wood	Oak	3" dia. or 2x4
				1.5" x 1.5"
Type B	3'	Soft wood	Oak	2" dia. or 2x2
				1" x 1"
Type C	4'	Steel	Steel	.75 lb./ft. min.
				1.3 lb./ft. min.

FASTENERS FOR WOOD POSTS		Gauge	Crown	Legs	Staples/Post
Wire Staples		17 min.	3/4" wide	1/2" long	5 min.
Nails		14 min.	1"	3/4"	4 min.

Note: Filter fabric may also be attached to the post by wire, cord, and pockets



CONSTRUCTION SPECIFICATIONS	
1. All trees, brush, stumps, obstructions, and other objectionable material shall be removed and disposed of so as not to interfere with the proper functioning of the diversion.	
2. The diversion shall be excavated or shaped to the grade, and cross section as required to meet the criteria specified herein and free of irregularities which will impede normal flow.	
3. All fill shall be machine compacted as needed to prevent unequal settlement that would cause damage in the completed diversion.	
4. All earth removed and not needed in construction shall be spread or disposed of so that it will not interfere with the functioning of the diversion.	
5. Diversion channel shall be stabilized in accordance with specification Ch - Channel Stabilization.	

DIVERSION	BOTTOM WIDTH (FT.)	SIDE SLOPE	ROCK HEIGHT (FT.)	FLOW DEPTH (FT.)	FREEDOM (FT.)
D-1A	2.0	2:1	1.0	0.45	0.55
D-1B	1.0	2:1	1.0	0.30	0.70
D-2	2.0	2:1	1.0	0.75	0.25
D-3	2.0	2:1	1.5	0.95	0.55
D-4	1.0	2:1	1.0	0.30	0.70

DI DIVERSION

NOT TO SCALE

63WCC Certification No. 14354

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