



ISSUANCES		
No.	Drawing Issue Description	Date
1	DESIGN DEVELOPMENT	3/18/20

MATERIALS	RATE	APPLICATION
DRY STRAW OR HAY	2 1/2 TONS PER ACRE	APPLY UNIFORMLY BY HAND OR BY MECHANICAL EQUIPMENT. ANCHOR HAY DISK HAYRIG OR Packer Disk OR WITH ENKUSTIFIED ASPHALT GRADE AC-5 OR SS-10 AT A RATE OF 100 GAL PER 100 GAL OF WATER FOR EACH TON OF MULCH.
WOOD WASTE, CHIPS, SHAVINGS OR BARK	2" TO 3" THICK, ABOUT 6 TO 9 TONS PER ACRE	ANCHOR WITH NETTING OF THE APPROPRIATE SIZE. OPENINGS IN THE NETTING SHALL NOT BE LARGER THAN THE AVERAGE SIZE OF THE WOOD WASTE CHIPS.
EROSION CONTROL MATTING OR NETTING	APPLY IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS	APPLY IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS
ASPHALT SPRAY (1-908-92)	SEE PROJECT SPECIFICATIONS	APPLY UNIFORMLY
POLYETHYLENE FILM	SECURED OVER BANKS OR STOCKPILED SOIL MATERIAL	ANCHOR TRENCH AT THE TOP OF SLOPE AS WELL AS INCREMENTALLY AS NECESSARY

**MAINTENANCE REQUIREMENTS:**  
INSPECT ALL MULCHED AREAS ON A DAILY BASIS AND AFTER EACH RAINFALL EVENT. REGRADE ERODED AREAS AND REMULCH AREAS IN WHICH THE COVER IS NO LONGER GREATER THAN 90% CONTIGUOUS.

**Ds1 TEMPORARY MULCHING**  
REFER TO THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR FURTHER DETAILS AND SPECIFICATIONS.

SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
COOL SEASON GRASSES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500 LBS./AC. 1000 LBS./AC. 400 LBS./AC.	50-100 LBS./AC. 1/2% 30
COOL SEASON GRASSES AND LEGUMES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500 LBS./AC. 1000 LBS./AC. 400 LBS./AC.	50-100 LBS./AC. 1/ -
GROUND COVERS	FIRST	10-10-10	1200 LBS./AC. 3/ 1100 LBS./AC. 3/ 1100 LBS./AC.	-
PINE SEEDLINGS	FIRST	20-10-5	ONE 21-GRAM PELLET PER SEEDLING PLACED IN THE CLOSING HOLE	-
SHRUB LESPEDEZA	FIRST MAINTENANCE	0-10-10	700 LBS./AC. 700 LBS./AC. 4/	-
TEMPORARY COVER CROPS SEEDS ALONE	FIRST	10-10-10	500 LBS./AC.	30 LBS./AC. 5/
COOL SEASON GRASSES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500 LBS./AC. 800 LBS./AC. 400 LBS./AC.	50-100 LBS./AC. 2/6/ 50-100 LBS./AC. 2/ 30LBS./AC.
WARM SEASON GRASSES AND LEGUMES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500 LBS./AC. 1000 LBS./AC. 400 LBS./AC.	50 LBS./AC. 6/ -

- 1/ APPLY IN SPRING FOLLOWING SEEDING.
- 2/ APPLY IN SPLIT APPLICATIONS WITH HIGH RATES ARE USED.
- 3/ APPLY IN 2 SPLIT APPLICATIONS.
- 4/ APPLY WHEN PLANTS ARE PRUNED.
- 5/ APPLY TO GRASS SPECIES ONLY.
- 6/ APPLY WHEN PLANTS GROW TO A HEIGHT OF 2 TO 4 INCHES.

**FERTILIZER AND MULCHING REQUIREMENTS**

REFER TO THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR FURTHER DETAILS AND SPECIFICATIONS.

SPECIES	BROADCAST RATES BY - PLS 3/ PER 1000 SF.		RESOURCE AREA 4/	PLANTING DATES												REMARKS	
	PLS 3/ PER 1000 SF.	PLS 3/ PER 1000 SF.		J	F	M	A	M	J	J	A	S	O	N	D		
BARLEY (Hordeum vulgare) ALONE IN MIXTURES	144 LBS.	33 LBS.	M-L														14,000 SEEDS PER POUND WINTERHARDY USE ON PRODUCTIVE SOILS.
LESPEDEZA, ANNUAL (Lespedeza striata) IN MIXTURES	40 LBS.	09 LBS.	M-L														200,000 SEEDS PER POUND. MAY VOLUNTEER PER SEVERAL YEARS. USE INCLINANT EL.
LOVEGRASS, WEEPING (Eragrostis curvula) ALONE IN MIXTURES	4 LBS.	01 LBS.	M-L														1,900,000 SEEDS PER POUND. MAY LAST FOR SEVERAL YEARS. MIX WITH SERICCA LESPEDEZA.
MILLET, BROWNTOP (Panicum fasciculatum) ALONE IN MIXTURES	40 LBS.	09 LBS.	M-L														137,000 SEEDS PER POUND. QUICK BENSE COVER. WILL PROVIDE TOO MUCH COMPETITION IN MIXTURES IF SEEDED AT HIGH RATES.
MILLET, PEARL (Pennisetum glaucum) IN MIXTURES	50 LBS.	11 LBS.	M-L														80,000 SEEDS PER POUND. QUICK, BENSE COVER. MAY REACH 5 FEET IN HEIGHT. NOT RECOMMENDED IN MIXTURES.
OATS (Avena sativa) ALONE IN MIXTURES	128 LBS.	29 LBS.	M-L														13,000 SEEDS PER POUND. USE ON PRODUCTIVE SOILS. NOT AS WINTERHARDY AS RYE OR BARLEY.
RYE (Secale cereale) IN MIXTURES	168 LBS.	39 LBS.	M-L														18,000 SEEDS PER POUND. QUICK COVER. DROUGHT TOLERANT. WINTERHARDY.
RYEGRASS, ANNUAL (Lolium temulentum) ALONE	40 LBS.	09 LBS.	M-L														25,000 SEEDS PER POUND. DENSE COVER. VERY COMPETITIVE AND IS NOT TO BE USED IN MIXTURES.
SUDANGRASS (Sorghum sudanense) ALONE	60 LBS.	14 LBS.	M-L														95,000 SEEDS PER POUND. GOOD ON DROUGHTY SITES. NOT RECOMMENDED FOR MIXTURES.
TRITICALE (X-Triticosecale) ALONE IN MIXTURES	144 LBS.	33 LBS.	C														USE ON LOWER PART OF SOUTHERN COASTAL PLAIN AND IN ATLANTIC COASTAL FLATWOODS ONLY.
WHEAT (Triticum aestivum) ALONE IN MIXTURES	180 LBS.	41 LBS.	M-L														15,000 SEED PER POUND. WINTERHARDY.

- 1/ TEMPORARY COVER CROPS WILL BE VERY COMPETITIVE AND WILL CROWD OUT PERENNIALS IF SEEDED TOO HEAVILY.
- 2/ WINTER SEEDING RATES BY MIX WITH MILLET.
- 3/ PLS 3/ AND 4/ REPRESENT THE MOUNTAIN, BLUE RIDGE, AND RIDGES AND VALLEYS MLRA'S.
- 4/ M-L REPRESENTS THE SOUTHERN COASTAL PLAIN, SAND HILLS, BLACK LANDS, AND ATLANTIC COAST FLATWOODS MLRA'S.
- 5/ C REPRESENTS THE SOUTHERN COASTAL PLAIN, SAND HILLS, BLACK LANDS, AND ATLANTIC COAST FLATWOODS MLRA'S.

**Ds2 TEMPORARY GRASSING**  
REFER TO THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR FURTHER DETAILS AND SPECIFICATIONS.

SPECIES	BROADCAST RATES BY - PLS 3/ PER 1000 SF.		RESOURCE AREA 4/	PLANTING DATES												REMARKS	
	PLS 3/ PER 1000 SF.	PLS 3/ PER 1000 SF.		J	F	M	A	M	J	J	A	S	O	N	D		
BAHIA, PENSACOLA (Paspalum notatum) ALONE OR WITH OTHER PERENNIALS	60 LBS.	14 LBS.	P														156,000 SEEDS PER POUND. LOW GROWING. SDD FORMING SLOW TO ESTABLISH. PLANT WITH A COMPANION CROP WILL SPREAD INTO BERMUDA PASTURES AND LAWNS. MIX WITH SERICCA LESPEDEZA OR WEEPING LOVEGRASS.
BAHIA, WILMINGTON (Paspalum notatum) ALONE OR WITH OTHER PERENNIALS	60 LBS.	14 LBS.	M-L														156,000 SEEDS PER POUND. LOW GROWING. SDD FORMING SLOW TO ESTABLISH. PLANT WITH A COMPANION CROP WILL SPREAD INTO BERMUDA PASTURES AND LAWNS. MIX WITH SERICCA LESPEDEZA OR WEEPING LOVEGRASS.
BERMUDA, COMMON (Cynodon dactylon) HULLED SEED ALONE WITH OTHER PERENNIALS	10 LBS.	02 LBS.	P														1,787,000 SEEDS PER POUND. QUICK COVER. LEAVES GROWING AND SDD FORMING. FULL SUN. GOOD FOR ATHLETIC FIELDS.
BERMUDA, COMMON (Cynodon dactylon) UNHULLED SEED 1/2 TEMP COVER WITH OTHER PERENNIALS	10 LBS.	02 LBS.	P														1/2 WITH OTHER PERENNIALS. PLANT WITH TALL PERENNIALS.
BERMUDA SPRIGS (Cynodon dactylon) COASTAL, COMMON MOUND, OR TIFT 44	40 CF. OR 500 PLUGS 3' x 3'	09 CF.	M-L														A CUBIC FOOT CONTAINS APPROXIMATELY 800 SPRIGS. A BUSHEL CONTAINS 125 CUBIC FEET OR APPROXIMATELY 800 SPRIGS. SAME AS ABOVE.
TIFT 78			C														SOUTHERN COASTAL PLAIN ONLY.
CENTIPEDA (Eriochloa spinescens)	BLOCK SDD ONLY		C														DROUGHT TOLERANT. FULL SUN OR PARTIAL SHAD. EFFECTIVE ADJUNCT TO CONE AND IN CONCENTRATED FLOW AREAS. IRRIGATION IS NEEDED UNTIL FULLY ESTABLISHED. DO NOT PLANT NEAR PASTURES. WINTERHARDY AS FAR NORTH AS ATLANTA AND NORTHWARD.
CROWNVEITCH (Crownis verticillata) WITH WINTER ANNUALS OR COOL SEASON GRASS	15 LBS.		M-L														100,000 SEEDS PER POUND. BENSE GROWTH. ATTRACTIVE. ROSE, PINK AND WHITE. BLOSSOMS SPRING TO LATE FALL. MIX 1/2 30 LBS. OF TALL FESCUE OR 15 LBS. OF RYE. INCLINANT SEED WITH M INCLINANT. USE FROM NORTH ATLANTA AND NORTHWARD.
FESCUE, TALL (Festuca arundinacea) ALONE WITH OTHER PERENNIALS	50 LBS.	11 LBS.	M-L														227,000 SEEDS PER POUND. USE ALONE ONLY ON BETTER SITES. NOT FOR DROUGHT SOIL. MIX WITH PERENNIAL LESPEDEZAS OR CROWNVEITCH. APPLY TOPDRESSING IN SPRING FOLLOWING FALL PLANTING. NOT FOR HEAVY USE. AREAS OR ATHLETIC FIELDS.
KUDZU (Pueraria lobata) PLANTS OR CROWNS	3' - 7' APART		ALL														RAPID AND VIGOROUS GROWTH. EXCELLENT IN GULLY EROSION CONTROL. WILL CLIMB. GOOD LIVESTOCK FORAGE.
LESPEDEZA (Lespedeza virginica) SCARIFIED UNSCARIFIED	60 LBS.	14 LBS.	M-L														300,000 SEEDS PER POUND. HEIGHT OF GROWTH IS 18 TO 24 INCHES. ADVANTAGES IN URBAN AREAS. SPREADING-TYPE GROWTH. NEW GROWTH HAS BRONZE COLORATION. MIX 1/2 WEEPING LOVEGRASS, COMMON BERMUDA, BAHIA, TALL FESCUE, OR WINTER ANNUALS. DO NOT MIX 1/2 SERICCA LESPEDEZA SLOW TO DEVELOP. SOLID STANES. INCLINANT SEED 1/2 EL INCLINANT.

SPECIES	BROADCAST RATES BY - PLS 3/ PER 1000 SF.		RESOURCE AREA 4/	PLANTING DATES												REMARKS	
	PLS 3/ PER 1000 SF.	PLS 3/ PER 1000 SF.		J	F	M	A	M	J	J	A	S	O	N	D		
LESPEDEZA, SERICCA (Lespedeza sericea) SCARIFIED	75 LBS.	17 LBS.	M-L														150,000 SEEDS PER POUND. WIDELY ADAPTED. LOW MAINTENANCE. MIX WITH WEEPING LOVEGRASS, COMMON BERMUDA, BAHIA, OR TALL FESCUE. TAKES 2 TO 3 YEARS TO BECOME FULLY ESTABLISHED. EXCELLENT ON ROADBANKS. INCLINANT SEED 1/2 EL INCLINANT.
UNSCARIFIED	75 LBS.	17 LBS.	M-L														MIX WITH TALL FESCUE OR WINTER ANNUALS.
HAY	3 TONS	138 LBS.	M-L														CUT WHEN SEED IS MATURE, BUT BEFORE IT SCATTERS. ADD TALL FESCUE OR WINTER ANNUALS.
LESPEDEZA, SHRUB (Lespedeza bicolor) (Lespedeza thunbergii) PLANTS	3' x 3'		M-L														PROVIDES WILDLIFE FOOD AND COVER.
LOVEGRASS, WEEPING (Eragrostis curvula) W/ OTHER PERENNIALS	4 LBS.	01 LBS.	M-L														1,900,000 SEEDS PER POUND. QUICK COVER. DROUGHT TOLERANT. GROWS WELL WITH SERICCA LESPEDEZA ON ROADBANKS.
MILLET, CARE (Panicum heteroternum) SPRIGS WITH OTHER PERENNIALS	40 LBS.	09 LBS.	M-L														FOR VERY WET SITES MAY CLOG CHANNELS. DOG SPRIGS FROM LOCAL SOURCES. USE ALONG RIVER BANKS AND SHOULDERINGS.
PANICGRASS (Panicum amarum) ATLANTIC COASTAL (Panicum anorum var. anorum)	60 LBS.	14 LBS.	M-L														GROWS WELL ON COASTAL SAND DUNES, BORROW AREAS, AND GRAVEL PITS. PROVIDES WINTER COVER FOR WILDLIFE. MIX WITH SERICCA LESPEDEZA EXCEPT ON SAND DUNES.
RED CANARY GRASS (Phalaris amurensis) ALONE WITH OTHER PERENNIALS	50 LBS.	33 LBS.	M-L														GROWS SIMILAR TO TALL FESCUE.
SUNFLOWER 'AZTEC' (Helianthus maximiliani)	10 LBS.	02 LBS.	M-L														227,000 SEEDS PER POUND. MIX WITH WEEPING LOVEGRASS OR OTHER LOW-GROWING GRASSES OR LEGUMES.

- THICK LINES INDICATE OPTIMUM DATES, THIN LINES INDICATE PERMISSIBLE BUT MARGINAL DATES.
- 1/ REDUCE SEEDING RATES BY 50% WHEN BRILLED.
  - 2/ PLS IS AN ABBREVIATION FOR PURE LIVE SEED. REFER TO SECTION V.E. OF THESE SPECIFICATIONS.
  - 3/ M-L REPRESENTS THE MOUNTAIN, BLUE RIDGE, AND RIDGES AND VALLEYS MLRA'S.
  - 4/ P REPRESENTS THE SOUTHERN COASTAL PLAIN.
  - 5/ C REPRESENTS THE SOUTHERN COASTAL PLAIN, SAND HILLS, BLACK LANDS, AND ATLANTIC COAST FLATWOODS MLRA'S.

**Ds3 PERMANENT GRASSING**  
REFER TO THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR FURTHER DETAILS AND SPECIFICATIONS.

RENEHAN PHILLIPS, PE  
LEVEL II CERTIFIED DESIGN PROFESSIONAL  
ITEM #  
CERTIFICATION NUMBER 56256222-62  
ISSUED: 08/26/2014  
EXPIRES: 08/26/2020

BARACK & MICHELLE OBAMA ACADEMY



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ATLANTA PUBLIC SCHOOLS

ES&PC DETAILS

D LEE	19-128
A SAMPLE	3/18/20
M WRIGHT	
M WRIGHT	
M WRIGHT	
EC3.02	