SHEET INDEX:

2022-172PRJ

DESCRIPTION

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2023-05PRJ

DESCRIPTION

۱.	STONERIDGE DR & PEBBLERIDGE RD DRAINAGE PLAN

- ALLISON DR DRAINAGE PLAN 2.
- **RIVER RIDGE RD DRAINAGE PLAN**
- THOMAS ST & MONTGOMERY ST DRAINAGE PLAN 4.
- DETAILS 5.

DRAWING LEGEND									
DESCRIPTION	PROPOSED	EXISTING							
SANITARY SEWER		ss							
UNDERGROUND WATER LINE	w	w							
FORCE MAIN	FM	FM							
STORM DRAINAGE PIPE									
UNDERGROUND TELEPHONE LINE	тт	— т —							
UNDERGROUND TELEPHONE CONDUIT	тс	тс							
UNDERGROUND GAS LINE	12"G	12"G							
DITCH CENTERLINE									
TOP OF CURB & GUTTER ELEVATIONS	TC=90.00 G=89.50	EX TC=90.00 EX G=89.50							
SPOT ELEVATION	X=90.00	X=90.00							
FIRE HYDRANT	X	X							
SEWER MANHOLE	\$	S							
WATER VALVE	₩	\boxtimes							
TELEPHONE MANHOLE		Ō							
LIGHT POLE	¢	¢							
SIGN	- -								
WATER METER	\boxtimes	\boxtimes							
BENCHMARK	•	�							
CONCRETE MONUMENT FOUND									
GUY POLE		-0							
IRON PIN FOUND		ο							
IRON PIN SET	۲								
TELEPHONE PEDESTAL		<u>A</u>							
POWER POLE	ۍ ۲	ں ص							
HANDICAP SPACE	Ê.	Ę.							
SEDIMENT BASIN MARKER W/NOTCH	Š	s∰ ●							

Drainage Replacement & Improvements for City of Milledgeville Baldwin County, Georgia April 17, 2023







GENERAL NOTES

- ALL EXISTING UTILITIES SHOWN ARE LOCATED FROM BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACTUAL FIELD LOCATION AND PROTECTION OF EXISTING UTILITIES **OVERHEAD LINES ARE NOT SHOWN FOR CLARITY**
- ALL DISTURBED AREAS TO BE REVEGETATED IMMEDIATELY AFTER CONSTRUCTION. IN ACCORDANCE WITH THE MANUAL FOR EROSION
- . EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL BE NSTALLED PRIOR TO OR CONCURRENT WITH START OF CONSTRUCTION
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY PROPERTY CORNERS, RIGHT OF WAY MONUMENTS, SIGNS OR OTHER STRUCTURES DISTURBED DURING CONSTRUCTION.
- 5. ALL TRAFFIC AND SIGNAGE CONTROL SHALL BE IN ACCORDANCE WITH THE TRAFFIC CONTROL MANUAL GUCC, CURRENT EDITION.
- 6. ALL ROADSIDE DITCHES THAT ARE DISTURBED AS A RESULT OF THIS PROJECT MUST BE RE-ESTABLISHED TO ENSURE POSITIVE DRAINAGE.

24 HOUR CONTACT CITY OF MILLEDGEVILLE CONTACT: TIMOTHY THOMAS (PUBLIC WORKS DIRECTOR) **1280 WEST CHARLTON STREET** MILLEDGEVILLE, GA 31061 TEL: (478) 414-4037 tthomas@milledgevillega.us

OWNER/AGENT CITY OF MILLEDGEVILLE CONTACT: HANK GRIFFETH (CITY MANAGER) **1280 WEST CHARLTON STREET** MILLEDGEVILLE, GA 31061 TEL: (478) 414-4037 hgriffeth@milledgevillega.us

PRIMARY PERMITTEE CITY OF MILLEDGEVILLE CONTACT: HANK GRIFFETH (CITY MANAGER) **1280 WEST CHARLTON STREET** MILLEDGEVILLE, GA 31061 TEL: (478) 414-4037 hgriffeth@milledgevillega.us





Level II Certification No. 935 Expiration Date: 10-01-23

JOB NO. 2022-172PRJ JOB NO. 2022-173PRJ JOB NO. 2023-05PRJ

REVISION NO.	DATE	DESCRIPTION









Ds2 DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)

FERTILIZER AND LIME REQUIREMENTS FOR TEMPORARY VEGETATION (Ds2)										
TYPES OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (LBS./ACRE)	N TOP DRESSING RATE (LBS./ACRE)	LIME APPLICATION (TONS/ACRE)					
Cool Season Grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 1000 400	50-100 - 30	1					
Cool Season Grasses and Legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 1000 400	0-50 - -	1					
Temporary Cover Crops Seeded Alone	First	10-10-10	500	30	1					
Warm Season Grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 800 400	50-100 50-100 30	1					

C REPRESENTS SOUTHERN COASTAL PLAIN, SAND HILLS, BLACK LANDS, AND ATLANTIC COAST FLATWOODS MLRA'S (3) DARK LINES INDICATE OPTIMUM DATES, GRAY LINES INDICATE PERMISSIBLE BUT MARGINAL DATES.

BROADCAST RATES ARE IN PURE LIVE SEED (PLS) M-L REPRESENTS THE MOUNTAIN, BLUE RIDGE, AND RIDGES AND VALLEYS MLRA'S P REPRESENTS THE SOUTHERN PIEDMONT MLRA

Ds2 SPECIES AND PLANTING SCHEDULE														
SPECIES	BROADCAST PER ACRE	RATES (1) PER 1000 Sq.Ft.	PLANTING DATES BY RESOURCE AREAS (3)						E EA	S \S .TS	REMARKS			
LESPEDEZA, ANNUAL Alone In Mixtures	40 lbs. 10 lbs.	0.9 lbs. 0.6 lbs.	P	J	- F	M		M .			. 5	5 0		200,000 SEED PER POUND. MAY VOLUNTEER FOR SEVERAL YEARS. USE UNCULANT EL.
LOVEGRASS, WEEPING ALONE IN MIXTURES	4 lbs. 2 lbs.	0.1 lbs. 0.05 lbs.	P	J	F			M .				5 0	D	1,500,00 SEED PER POUND. MAY LAST FOR SEVERAL YEARS. MIX WITI SERICEA LESPEDEZA.
MILLET, BROWNTOP ALONE IN MIXTURES	40 lbs. 10 lbs.	0.9 lbs. 0.2 lbs.	P	J	F	M		M .				5 0	D	137,000 SEED PER POUND. QUICK DENSE COVER. WILL PROVIDE TOO MUCH COMPETITION IN MIXTURES IF SEEDED AT HIGH RATES.
MILLET, PEARL ALONE IN MIXTURES	50 lbs.	0.9 lbs.	P	J	F	M		M .				5 0	D	88,000 SEED PER POUND. QUICK DENSE COVER. MAY REACH 5 FEET IN HEIGHT. NOT RECOMMENDED FOR MIXTURES.
RYE ALONE IN MIXTURES	3 bu (168 lbs.) 1/2 bu (28 lbs.)	3.9 lbs. 0.6 lbs.	P	J	F	M		M		-		5 0	D	18,000 SEED PER POUND. QUICK COVER. DROUGHT TOLERANT AND WINTERHARDY.
RYEGRASS, ANNUAL ALONE IN MIXTURES	40 lbs.	0.9 lbs.	P		F	M		M .			. 5	5 0		227,000 SEED PER POUND. DENSE COVER. VERY COMPETITIVE AND IS NOT TO BE USED IN MIXTURES.
SUDANGRASS ALONE IN MIXTURES	60 lbs.	1.4 lbs.	P											55,000 SEED PER POUND. GOOD ON DROUGHTY SITES. NOT RECOMMENDED FOR MIXTURES.

DUST CONTROL ON DISTURBED AREAS Du

1. APPLY AT RATE THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT

CALCIUM CHLORIDE

1. THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. REPEAT AS NEEDED.

IRRIGATION

1. SEE STANDARD DS1 - DISTURBED AREA STABILIZATION (WITH MULCHING ONLY).

MULCH

SPECIFICATIONS

A. USE THE FOLLOWING METHODS AS NEEDED OR DIRECTED TO MINIMIZE DUST ON THE PROJECT SITE

	CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION			
	Cd	CHECKDAM	APPER DA	J	A small temporary barrier or dam constructe across a swale, drainage ditch or area of concentrated flow.			
	Co	CONSTRUCTION EXIT			A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.			
,	Sd1	SEDIMENT BARRIER		(MOIGATE THPE)	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.			
	St	STORMDRAIN OUTLET PROTECTION		(S)	A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.			
VEGETATIVE PRACTICES								
	CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION			
	Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion retarding cover.			
	Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)		Ds2	Establishing a temporary vegetative cover with fast growing seedings on disturbed areas.			
	Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Ds3	Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.			
	Ds4	DISTURBED AREA STABILIZATION (SODDING)		Ds4	A permanent vegetative cover using sods on highly erodable or critically eroded lands.			
	Du	DUST CONTROL ON DISTURBED AREAS		Du	Controlling surface and air movement of dust on construction site, roadways and similar sites.			
	Ss	SLOPE STABILIZATION		Ss	A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.			



1. GRAIN STRAW OR GRASS HAY 2. PINE NEEDLE

(3) DARK LINES INDICATE OPTIM	IUM DATES, G
FERTILIZER A	
TYPES OF SPECIES	PLANT YEAF
Cool Season Grasses	First Secor Maintena
Cool Season Grasses and Legumes	First Secor Maintena
Warm Season Grasses	First Secor Maintena
Warm Season Grasses and Legumes	First Secor Maintena

WITH OTHER PERENNIALS	6 LBS.
SERMUDA, COMMON CYNODON DACTYLON) UNHULLED SEED WITH TEMPORARY COVER WITH OTHER PERENNIALS	10 LBS. 6 LBS.
SERMUDA SPRIGS CYNODON DACTYLON) COASTAL, COMMON, MIDLAND, OR TIFT 44 COASTAL, COMMON, OR TIFT 44	40 CU. FT. OI SOD PLUG
CENTIPEDE EREMOCHLOA OPHIUROIDES)	BLOCK S(
ESCUE, TALL CYNODON DACTYLON) ALONE	50 LBS.
WITH OTHER PERENNIALS	30 LBS.











GEORGIA **UNIFORM CODING SYSTEM**

FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES GEORGIA SOIL AND WATER CONSERVATION COMMISSION

STRUCTURAL PRACTICES

DISTURBED AREA STABILIZATION

NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT. 10.MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

POTENTIAL POLLUTANT MATERIALS INVENTORY

- Concrete Detergents Paints (Enamel and Latex) . Metal Studs
- Tar 6. Roofing Shingles . Fertilizers
- 8. Pesticides
- 9. Petroleum Based Products 10. Cleaning Solvents
- 11. Wood 12. Masonry Block/Brick/Stone

PRODUCT SPECIFIC PRACTICES

Petroleum Based Products - Containers for products such as fuels, lubricants and tars will be inspected daily for leaks and spills. This includes on-site vehicle and machinery daily inspections and regular preventative maintenance of such equipment. Equipment maintenance areas will be located away from state water, natural drains and storm water drainage inlets. In addition, temporary fueling tanks shall have a secondary containment liner to prevent/minimize site contamination. Discharge of oils, fuels and lubricants is prohibited. Proper disposal methods will include collection in a suitable container and disposal as required by local and State regulations.

Paints/Finishes/Solvents - All products will be stored in tightly sealed original containers when not in use. Excess product will not be discharged to the storm water collection system. Excess product, materials used with these products and product containers will be disposed of according to manufacturer's specifications and recommendations

Concrete Truck Washing - NO concrete trucks will be allowed to wash out or discharge surplus concrete or drum wash water onsite

Fertilizer/Herbicides - These products will be applied at rates that do not exceed the manufacturer's specifications or above the guidelines set forth in the crop establishment or in the GSWCC Manual for Erosion and Sediment Control in Georgia. Any storage of these materials will be under roof in sealed containers

Building materials - No building or construction materials will be buried or disposed of onsite. All such material will be disposed of in proper waste disposal procedures.

NO WASTE WILL BE DISPOSED OF INTO STORM WATER INLETS OR WATERS OF THE STATE.

WASTE MATERIALS

All waste materials will be collected and stored in a securely lidded metal dumpster. The dumpster will meet all solid waste management regulations. All trash and construction debris from the site will be deposited in the dumpster. The dumpster will be emptied a minimum of once per week or more often if necessary and trash will be hauled as required by local regulations. No construction waste will be buried onsite. All personnel will be instructed on proper procedures for waste disposal.

HAZARDOUS WASTES

All hazardous waste materials will be disposed of in the manner specified by local, state, and/or federal regulations and by the manufacturer of such products. The job site superintendent, who will also be responsible for seeing that these practices are followed, will instruct site personnel in these practices. Material Safety Data Sheets (MSDS's) for each substance with hazardous properties that is used on the job site will be obtained and used for the proper management of potential wastes that may result from these products. An MSDS will be posted in the immediate area where such product is stored and/or used and another copy of each MSDS will be maintained in the ESPCP file at the job site construction trailer office. Each employee who must handle a substance with hazardous properties will be instructed on the use of MSDS sheets and the specific information in the applicable MSDS for the product he/she is using, particularly regarding spill control techniques. The contractor will implement the Spill Prevention Control and Countermeasures (SPCC) Plan found within this ESPCP and will train all personnel in the proper cleanup and handling of spilled materials. No spilled hazardous materials or hazardous wastes will be allowed to come in contact with stormwater discharges. If such contact occurs, the stormwater discharge will be contained on site until appropriate measures in compliance with sate and federal regulations are taken to dispose of such contaminated stormwater. It shall be the responsibility of the job site superintendent to properly train all personnel in the use of the SPCC plan.

SANITARY WASTES

A minimum of one portable sanitary unit will be provided for every ten (10) workers on the site. All sanitary waste will be collected from the portable units a minimum of one time per week by a license portable facility provider in compete compliance with local and state regulations. All sanitary waste units will be located in one area where the likelihood of the unit contributing to storm water discharge is negligible. Additional containment BMP's must be implemented, such as gravel bags or specially designed plastic skid containers around the base, to prevent wastes from contributing to storm water discharges. The location of sanitary waste units must be identified on the Erosion Control Plan Grading Phase, by the contractor once the locations have been determined. Sanitary Sewer will be provided by Municipal Authority/Septic System at the completion of this Project.

SPILL CLEANUP AND CONTROL PRACTICES

* Local, State and manufacturer's recommended methods for spill cleanup will be clearly posted and procedures will be made available to site personnel.

Material and equipment necessary for spill cleanup will be kept in the material storage areas. Typical materials and equipment includes, but is not limited to, * greater than 560 gallons brooms, dustpans, mops, rags, gloves, goggles, cat litter, sand, sawdust

- and properly labeled plastic and metal waste containers * Spill prevention practices and procedures will be reviewed after a spill and adjusted as necessary
- to prevent future spills. * All spills will be cleaned up immediately upon discovery. All spills will be reported as required by local, State and Federal regulations. * FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.
- * FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802. * FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL
- BE CONTACTED WITHIN 24 HOURS. * FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

The contractor shall notify the licensed professional who prepared this plan if more than 1320 gallons of petroleum is stored onsite (this includes capacities of equipment) or if any one piece of equipment has a capa. The Contractor will need a Spill Prevention Containment and Countermeasures Plan prepared by that licensed professional.



N.T.S.

SIM AN THE THE SIN Level II Certification No. 935 Expiration Date: 10-01-23 3064)870 REEN TEL: $\overline{}$ S D L Milledgeville eme Leo ∞ 20 Cir lmpro view Woodvie Drainage of City









CONCRETE WASHOUT DETAIL NOT TO SCALE

SITE DESCRIPTION

THIS SITE IS LOCATED ON SINCLAIR DAM RD IN BALDWIN COUNTY. THE LOTS HAVE A TOTAL ACREAGE OF +/- 4.46 ACRES. EXISTING VEGETATION IS MATURE HARDWOODS AND PINES. THE PROPOSED DEVELOPMENT IS THE CONSTRUCTION OF DRAINAGE IMPROVEMENTS INCLUDING VEGETATED SWALES, DRAINAGE PIPES & STRUCTURES. THE PLAN PROPOSES A DISTURBED ACREAGE OF 0.23 ACRES.

Ds3 MULCHING REQUIREMENTS

SEEDED AREAS SHALL BE MULCHED WITH GOOD QUALITY DRY STRAW FREE OF WEED SEEDS AT A RATE OF 2 TONS PER ACRE. HYDROSEEDED AREAS SHALL BE MULCHED WITH WOOD CELLULOSE MULCH OR WOOD PULP FIBER

AT A RATE OF 500 LBS. PER ACRE. SOIL CONDITIONS

HOC2 - HELENA COMPLEX, 6-10% SLOPES, ERODED

CyB2 - CECIL SANDY LOAM, 2-6% SLOPES, MODERATELY ERODED

PER WEB SOIL SURVEY FROM NRCS DATED 9/2/2022. **CHANNEL STABILIZATION (Ch-1) NOTE** ROLLED EROSION CONTROL BLANKETS (RECP) SHALL BE USED AS VEGETATIVE LINING FOR CHANNEL STABILIZATION SEE DETAIL SHEET 10.

SEDIMENT STORAGE SUMMARY

DISTURBED AREA = 0.23 AC **REQUIRED SEDIMENT STORAGE = 15.41 C.Y.** (67 C.Y./AC X 0.230 AC = 15.41 C.Y.)

SILT FENCE SEDIMENT STORAGE

SILT FENCE REQUIRED = 100' PER 1/4 ACRE

.23 AC X 100'/0.25 AC = 92 LF STORAGE IN REQ. SILT FENCE = 92 LF X 0.17 CY/FT = 15.64 CY AVAILABLE STORAGE = 100 LF X 0.17 CY/FT = 17.00 CY

TOTAL SILT FENCE SHOWN = 100'

Cd-S SEDIMENT STORAGE

STORAGE PROVIDED = 38.85 CY

(SEE DETAIL SHEET 9)

TOTAL SEDIMENT STORAGE ACHIEVED = 55.85 CY

SIMONTON ENGINEERING, LLC 1050 PARKSIDE COMMONS - SUITE 101 GREENSBORO, GEORGIA 30642 (706) 454-0870





SEQUENCE OF MAJOR ACTIVITIES

- 1. INSTALL STABILIZED CONSTRUCTION COMPLETE GRADING.
 - **INSTALL BASE & PAVING** 10. PERMANENT SEEDING AND
 - LANDSCAPING.
- CONTROL STRUCTURES. COMPLETE CLEARING AND GRUBBING.

2. INSTALL SEDIMENT AND EROSION

- STOCKPILE TOPSOIL.
- 5. STABILIZED CLEARED AND STOCKPILE
- AREAS WITHIN 14 DAYS.

EXIT

- 6. COMPLETE ROUGH GRADING. 7. INSTALL DRAINAGE & SWALES.
- . REMOVE SEDIMENT AND EROSION 11
- CONTROL STRUCTURES. 12. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE REMOVE REMAINING E&S
- FACILITIES AND SEED DISTURBED AREAS.



Ds2 DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)

FERTILIZER AND LIME REQUIREMENTS FOR TEMPORARY VEGETATION (Ds2)										
TYPES OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (LBS./ACRE)	N TOP DRESSING RATE (LBS./ACRE)	LIME APPLICATION (TONS/ACRE)					
Cool Season Grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 1000 400	50-100 - 30	1					
Cool Season Grasses and Legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 1000 400	0-50 - -	1					
Temporary Cover Crops Seeded Alone	First	10-10-10	500	30	1					
Warm Season Grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 800 400	50-100 50-100 30	1					

(1) BROADCAST RATES ARE IN FORE LIVE SEED (FLS)
 (2) M-L REPRESENTS THE MOUNTAIN, BLUE RIDGE, AND RIDGES AND VALLEYS MLRA'S

 P REPRESENTS THE SOUTHERN PIEDMONT MLRA
 C REPRESENTS SOUTHERN COASTAL PLAIN, SAND HILLS, BLACK LANDS, AND ATLANTIC COAST FLATWOODS MLRA'S
 (3) DARK LINES INDICATE OPTIMUM DATES, GRAY LINES INDICATE PERMISSIBLE BUT MARGINAL DATES.

BROADCAST RATES ARE IN PURE LIVE SEED (PLS)

SPECIES	BROADCAST PER	T RATES (1) PER	Pl <u>RE</u>	PLANTING DATES BY RESOURCE AREAS (3)					<u>REMARKS</u>						
	ACRE	1000 Sq.Ft.		IJ	F	M	AD	/ J	IJJ		s	10	N	D	
LESPEDEZA, ANNUAL ALONE IN MIXTURES	40 lbs. 10 lbs.	0.9 lbs. 0.6 lbs.	P	J	F	M		N J			s	0	N	D	200,000 SEED PER POUND. MA VOLUNTEER FOR SEVERAL YEARS USE UNCULANT EL.
LOVEGRASS, WEEPING ALONE IN MIXTURES	4 lbs. 2 lbs.	0.1 lbs. 0.05 lbs.	P	J	F		A 1	- -	1 1		s	0	N	D	1,500,00 SEED PER POUND. M. LAST FOR SEVERAL YEARS. MIX SERICEA LESPEDEZA.
MILLET, BROWNTOP ALONE IN MIXTURES	40 lbs. 10 lbs.	0.9 lbs. 0.2 lbs.	Ρ	J	F	M	_ A)	N J			s	0	N	D	137,000 SEED PER POUND. QU DENSE COVER. WILL PROVIDE T MUCH COMPETITION IN MIXTURES SEEDED AT HIGH RATES.
MILLET, PEARL ALONE IN MIXTURES	50 lbs.	0.9 lbs.	Р	J	F	M		N J			S	0	N	D	88,000 SEED PER POUND. QUI DENSE COVER. MAY REACH 5 I IN HEIGHT. NOT RECOMMENDED MIXTURES.
RYE ALONE IN MIXTURES	3 bu (168 lbs.) 1/2 bu (28 lbs.)	3.9 lbs. 0.6 lbs.	P	J	F	M	A 1	N J	1 1	-	s	0	N	D	18,000 SEED PER POUND. QUI COVER. DROUGHT TOLERANT AN WINTERHARDY.
RYEGRASS, ANNUAL ALONE IN MIXTURES	40 lbs.	0.9 lbs.	Р	J	F	M	A 1	N J	1 1		. s	0	N	D	227,000 SEED PER POUND. DE COVER. VERY COMPETITIVE AND NOT TO BE USED IN MIXTURES.
SUDANGRASS ALONE IN MIXTURES	60 lbs.	1.4 lbs.	Р			-					-				55,000 SEED PER POUND. GOO ON DROUGHTY SITES. NOT RECOMMENDED FOR MIXTURES.

Ds2 SPECIES AND PLANTING SCHEDULE

DUST CONTROL ON DISTURBED AREAS Du

1. APPLY AT RATE THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT.

CALCIUM CHLORIDE

1. THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SPRINKLED WITH WATER UNTIL THE SURFACE IS WET REPEAT AS NEEDED

IRRIGATION

1. SEE STANDARD DS1 - DISTURBED AREA STABILIZATION (WITH MULCHING ONLY).

MULCH

A. USE THE FOLLOWING METHODS AS NEEDED OR DIRECTED TO MINIMIZE DUST ON THE PROJECT SITE:

SPECIFICATIONS

		STRUCT	JRAL PRACTICES				
CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION			
Cd	CHECKDAM	THE REAL PROPERTY OF	ſ	A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.			
Co	CONSTRUCTION EXIT	A		A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.			
Sd1	SEDIMENT BARRIER		(MEIGATE TIPE)	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.			
St	STORMDRAIN OUTLET PROTECTION		(F)	A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.			
		VEGETA	TIVE P	RACTICES			
CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION			
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion retarding cover.			
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)		Ds2	Establishing a temporary vegetative cover with fast growing seedings on disturbed areas.			
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)	A Carlos	Ds3	Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.			
Ds4	DISTURBED AREA STABILIZATION (SODDING)		Ds4	A permanent vegetative cover using sods on highly erodable or critically eroded lands.			
Du	DUST CONTROL ON DISTURBED AREAS		Du	Controlling surface and air movement of dust on construction site, roadways and similar sites.			
Ss	slope stabilization		Ss	A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.			



GEORGIA UNIFORM CODING SYSTEM

FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES GEORGIA SOIL AND WATER CONSERVATION COMMISSION

Ds3 (WITH PERM SEEDING)

3. WOOD WASTE (SAWDUST, BARK, CHIPS)

Ds3 PERMANENT GRASSING MULCHING RATES MATERIAL 1. GRAIN STRAW OR GRASS HAY 2. PINE NEEDLE

PLANTING TYPES OF SPECIES YEAR First Cool Season Grasses Second Maintenance First **Cool Season Grasses** Second and Legumes Maintenance First Warm Season Grasses Second Maintenance First Warm Season Grasses Second and Legumes Maintenance

WITH OTHER PERENNIALS	6 LBS. 0.1 LB.
BERMUDA SPRIGS (CYNODON DACTYLON) COASTAL, COMMON, MIDLAND, OR TIFT 44 COASTAL, COMMON, OR TIFT 44	40 CU. FT. 0.9 CU.FT. OR SOD PLUGS 3' x 3'
CENTIPEDE (EREMOCHLOA OPHIUROIDES)	BLOCK SOD ONLY
FESCUE, TALL (CYNODON DACTYLON) ALONE WITH OTHER PERENNIALS	50 LBS. 1.1 LB. 30 LBS. 0.7 LB.
 BROADCAST RATES ARE IN M-L REPRESENTS THE MM P REPRESENTS THE SOUTH C REPRESENTS SOUTHERN DARK LINES INDICATE OPT 	N PURE LIVE SEED (PLS) OUNTAIN, BLUE RIDGE, AND HERN PIEDMONT MLRA N COASTAL PLAIN, SAND HILI TIMUM DATES, GRAY LINES IN
FERTILIZER	AND LIME REQU

	Ds3 S
SPECIES	BROADCAST RATES 1/ - PLS 2/ PER PER ACRE 1000 S.F.
BERMUDA, COMMON (CYNODON DACTYLON) HULLED SEED ALONE WITH OTHER PERENNIALS	10 LBS. 0.2 LB. 6 LBS. 0.1 LB.
BERMUDA, COMMON (CYNODON DACTYLON) UNHULLED SEED WITH TEMPORARY COVER WITH OTHER PERENNIALS	10 LBS. 0.2 LB. 6 LBS. 0.1 LB.
BERMUDA SPRIGS (CYNODON DACTYLON) COASTAL, COMMON, MIDLAND, OR TIFT 44 COASTAL, COMMON, OR TIFT 44	40 CU. FT. 0.9 CU.FT. OR SOD PLUGS 3' x 3'
CENTIPEDE (EREMOCHLOA OPHIUROIDES)	BLOCK SOD ONLY
FESCUE, TALL (CYNODON DACTYLON) ALONE	50 LBS. 1.1 LB.
WITH OTHER PERENNIALS	30 LBS. 0.7 LB.

Ds1 DISTURBED AREA STABILIZATION (W/MULCHING ONLY) SPECIFICATIONS

A. For temporary protection of critical areas without seeding. This standard applies to grades or cleared areas which may be subjected to erosion for 6 months or less, where seeding may not have a suitable growing season to produce an erosion retardant cover, but which can be stabilized with a mulch cover.

Site Preparation

1. Grade, as needed and feasible, to permit the use of equipment for applying and anchoring mulch. 2. Install needed erosion control measures as required such as dikes, diversions, berms, terraces and sediment barriers 3. As needed and feasible, loosen compact soil to a minimum depth of 3 inches.

Mulching Materials

1. Dry straw or hay - spread at a rate of 2 1/2 tons per acre 2. Wood waste, chips, sawdust or bark - spread 2 to 3 inches deep (about 6 to 9 tons per acre). 3. Erosion control matting or netting, such as excelsior, jute, textile and plastic matting and netting - applied in accordance with manufacturers recommendation

4. Cutback asphalt, slow curing - applied at 1200 gallons per acre (or 1/4 gallon per sg. vd.) 5. Polyethylene film - secured over banks or stockpiled soil material for temporary protection

Applying and Anchoring Mulch

1. Apply straw or hay mulch uniformly by hand or mechanically. Anchor as appropriate and feasible. It may be pressed into the soil with a disk harrow with the disk set straight or with a special "packer disk." The disk may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disk should be dull enough not to cut the mulch but press it into the soil leaving much of it in an erect position. Straw hay mulch spread with special blower-type equipment may be anchored with emulsified asphalt (Grade AE-5 or SS-1). The asphalt emulsion must be sprayed onto the mulch as it is ejected from the machine. Use 100 gallons of water per 2. Spread wood waste uniformly on slopes that are 3:1 and flatter. No anchoring is needed.

3. Commercial matting and netting. Follow manufacturer's specification included with the material. 4. Apply asphalt so area has uniform appearance. (Note: Use in areas of pedestrian traffic could cause problems or "tracking in" or damage to shoes, clothing, etc.)

B. To conserve moisture and control weeds in nurseries, ornamental beds, around shrubs, and on bar areas on lawns.

decomposition of mulch

Use one of the materials given below and apply at thickness indicated.						
Material	Depth					
1. Grain straw or grass hay		6" to 10"				
2. Pine needle		4" to 6"				
3. Wood waste (sawdust, bark,	chips)	4" to 8"				
4. Shredded residues (crops, I	eaves, etc.)	4" to 8"				

Cd-S

$$V_1 = \frac{1}{27} \left[\frac{W_1 S_p L_1^2}{2} + \frac{S_p^2}{6S_{xf}} L_1^3 + \frac{S_p^2}{6S_{xb}} L_1^3 \right]$$





(COORDINATE WITH FINAL LANDSCAPING PLAN) PECIES AND PLANTING SCHEDULE PLANTING DATES BY RESOURCE RESOURCE SPECIFICATIONS AREAS * <u>AREA 3/</u> ,787,000 SEED PER POUND. QUICK COVER. LOW GROWING AND SOD FORMING. FULL SUN. GOOD FOR ATHLETIC FIELDS. PLANT WITH WINTER ANNUALS. PLANT WITH TALL FESCUE. JFMAN A CUBIC FT. CONTAINS APPROXIMATLY 650 SPRIGS. A BUSHEL CONTAINS 1.25 C.F. OR APPROXIMATLY 800 SPRIGS. μεμαμία

- W/WOVEN WIRE

FENCE BACKING

(AMOCO CEF-1198)

EXISTING GROUND

Ρ	JF	MAI	MJ	J A	so	N C	DROUGHT TOLERANT. FULL SUN OR PARTIAL SHADE. EFFECTIVE ADJACENT TO CONCRETE AND IN CONCENTRATED FLOW AREAS. IRRIGATION IS NEEDED UNTIL FULLY EST. DO NOT PLANT NEAR PARTURES. WINTERHARDY AS FAR NORTH AS ATHENS AND ATLANTA.
Ρ					_		227,000 SEED PER POUND.USE ALONE ONLY ON BETTER SITES. NOT FOR DROUGHTY SOILS. MIX WITH PERENNIAL LESPEDEZAS OR CROWN- VETCH. APPLY TOPDRESSING IN SPRING FOLLOWING FALL PLANTING. NOT FOR HEAVY USE AREAS OR ATHLETIC FEILDS.

RIDGES AND VALLEYS MLRA'S

LLS, BLACK LANDS, AND ATLANTIC COAST FLATWOODS MLRA'S INDICATE PERMISSIBLE BUT MARGINAL DATES.

UIREMENTS FOR PERMANENT VEGETATION (Ds3)

FERTILIZER	RATE	N TOP DRESSING	LIME APPLICATION
(N-P-K)	(LBS./ACRE)	RATE (LBS./ACRE)	(TONS/ACRE)
6-12-12 6-12-12 10-10-10	1500 1000 400	50-100 	1
6-12-12	1500	0-50	1
0-10-10	1000	-	
0-10-10	400	-	
6-12-12	1500	50-100	1
6-12-12	800	50-100	
10-10-10	400	30	
6-12-12	1500	0-50	1
0-10-10	1000	-	
0-10-10	400	-	

DEPTH

- 4" TO 6" 3" TO 5"
- 4" TO 6"

DISTURBED AREA STABILIZATION









EASEMENTS:

1. A 20' utility & drainage easement exists along all sewer or ditch lines (as per Note 3 (c), Baldwin County PB 1/PG 50).

NOTES:

- 1. CONTRACTOR SHALL NOT CLOSE THE ROADWAY DURING CONSTRUCTION. RESIDENTS MUST HAVE ACCESS AT ALL TIMES TO HOMES AND MAILBOXES.
- 2. CONTRACTOR IS PERMITTED TO CLOSE ONE LANE AT A TIME UNDER TRAFFIC CONTROL.
- 3. CONTRACTOR MUST MAINTAIN MAIL SERVICE DURING CONSTRUCTION. 4. ALL DISTURBED AREAS SHALL BE RETURNED TO THEIR PREEXISTING CONDITION.
- 5. CONTRACTOR SHALL DISPOSE OF ALL DEMOLISHED MATERIAL AS SOON AS IT IS EXCAVATED.
- NO EXCAVATED DEMOLITION DEBRIS OR MATERIAL SHALL REMAIN ON SITE OVERNIGHT. 6. CONTRACTOR SHALL PROTECT FROM SEDIMENT LEAVING THE SITE.
- 7. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF MILLEDGEVILLE
- STANDARDS & SPECIFICATIONS. 8. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE
- "EROSION AND SEDIMENT CONTROL MANUAL OF GEORGIA." 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OR REMOVAL, PROTECTION AND RELOCATION OF ANY MAILBOXES OR OTHER STRUCTURES DISTURBED
- DURING CONSTRUCTION. 10. SILT FENCE SHALL BE INSTALLED IN THE LOCATIONS DIRECTED BY THE ENGINEER.
- 11. ALL NEWLY INSTALLED PAVEMENT SHALL BE RE-STRIPED TO MATCH THE PREEXISTING PAVEMENT STRIPING.
- 12. ALL ASPHALT STREET CUTS SHALL BE IN ACCORDANCE WITH THE CITY OF MILLEDGEVILLE PUBLIC WORKS SPECIFICATIONS.
- 13. CONTRACTOR MUST CONFIRM THE PIPE MATERIAL TO BE USED PRIOR TO PURCHASING THE PIPE. DIFFERING PIPE MATERIAL MAY BE USED IN PLACE OF THE PROPOSED HDPE, DEPENDING ON THE AVAILABILITY OF THE PIPE MATERIAL, AS DIRECTED BY THE ENGINEER.
- 14. DRAINAGE PIPE LOCATIONS AND ELEVATIONS MAY BE ADJUSTED AFTER EXCAVATION OF THE EXISTING PIPES, AS DIRECTED BY THE ENGINEER.
- 15. THIS DRAINAGE ALIGNMENT IS BASED ON BEST AVAILABLE INFORMATION AT THE TIME OF DESIGN.
- 16. TOTAL DISTURBED AREA = 0.11 ACRES





EASEMENTS:

1. A 20' drainage easement exists along drainage line (as per Baldwin County PB 2/PG 188).

NOTES:

- 1. CONTRACTOR SHALL NOT CLOSE THE ROADWAY DURING CONSTRUCTION. RESIDENTS MUST
- HAVE ACCESS AT ALL TIMES TO HOMES AND MAILBOXES. 2. CONTRACTOR IS PERMITTED TO CLOSE ONE LANE AT A TIME UNDER TRAFFIC CONTROL.
- 3. CONTRACTOR MUST MAINTAIN MAIL SERVICE DURING CONSTRUCTION.
- 4. ALL DISTURBED AREAS SHALL BE RETURNED TO THEIR PREEXISTING CONDITION. 5. CONTRACTOR SHALL DISPOSE OF ALL DEMOLISHED MATERIAL AS SOON AS IT IS EXCAVATED.
- NO EXCAVATED DEMOLITION DEBRIS OR MATERIAL SHALL REMAIN ON SITE OVERNIGHT.
- CONTRACTOR SHALL PROTECT FROM SEDIMENT LEAVING THE SITE.
 ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF MILLEDGEVILLE
- STANDARDS & SPECIFICATIONS.
- 8. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE "EROSION AND SEDIMENT CONTROL MANUAL OF GEORGIA."
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OR REMOVAL, PROTECTION AND RELOCATION OF ANY MAILBOXES OR OTHER STRUCTURES DISTURBED DURING CONSTRUCTION.
- SILT FENCE SHALL BE INSTALLED IN THE LOCATIONS DIRECTED BY THE ENGINEER.
 ALL NEWLY INSTALLED PAVEMENT SHALL BE RE-STRIPED TO MATCH THE PREEXISTING
- PAVEMENT STRIPING. 12. ALL ASPHALT STREET CUTS SHALL BE IN ACCORDANCE WITH THE CITY OF MILLEDGEVILLE
- PUBLIC WORKS SPECIFICATIONS. 13. CONTRACTOR MUST CONFIRM THE PIPE MATERIAL TO BE USED PRIOR TO PURCHASING THE PIPE. DIFFERING PIPE MATERIAL MAY BE USED IN PLACE OF THE PROPOSED HDPE,
- DEPENDING ON THE AVAILABILITY OF THE PIPE MATERIAL, AS DIRECTED BY THE ENGINEER. 14. DRAINAGE PIPE LOCATIONS AND ELEVATIONS MAY BE ADJUSTED AFTER EXCAVATION OF THE
- EXISTING PIPES, AS DIRECTED BY THE ENGINEER. 15. TOTAL DISTURBED AREA = 0.11 ACRES



Ds2 DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)

FERTILIZER AND LIME REQUIREMENTS FOR TEMPORARY VEGETATION (Ds2)								
TYPES OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (LBS./ACRE)	N TOP DRESSING RATE (LBS./ACRE)	LIME APPLICATION (TONS/ACRE)			
Cool Season Grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 1000 400	50-100 - 30	1			
Cool Season Grasses and Legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 1000 400	0-50 - -	1			
Temporary Cover Crops Seeded Alone	First	10-10-10	500	30	1			
Warm Season Grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 800 400	50-100 50-100 30	1			

BROADCAST RATES ARE IN PURE LIVE SEED (PLS) M-L REPRESENTS THE MOUNTAIN, BLUE RIDGE, AND RIDGES AND VALLEYS MLRA'S P REPRESENTS THE SOUTHERN PIEDMONT MLRA C REPRESENTS SOUTHERN COASTAL PLAIN, SAND HILLS, BLACK LANDS, AND ATLANTIC COAST FLATWOODS MLRA'S (3) DARK LINES INDICATE OPTIMUM DATES, GRAY LINES INDICATE PERMISSIBLE BUT MARGINAL DATES.

Ds2 SPECIES AND PLANTING SCHEDULE															
SPECIES	BROADCAST RATES (1) PER PER ACRE 1000 Sg Et			PLANTING DATES BY RESOURCE AREAS (3)									REMARKS		
LESPEDEZA, ANNUAL ALONE IN MIXTURES	40 lbs. 10 lbs.	0.9 lbs. 0.6 lbs.	P	J	- -	M		M			s				200,000 SEED PER POUND, MAY VOLUNTEER FOR SEVERAL YEARS. USE UNCULANT EL.
LOVEGRASS, WEEPING ALONE IN MIXTURES	4 lbs. 2 lbs.	0.1 lbs. 0.05 lbs.	P	J	F			M	J J		s	0			1,500,00 SEED PER POUND. MAY LAST FOR SEVERAL YEARS. MIX WIT SERICEA LESPEDEZA.
MILLET, BROWNTOP ALONE IN MIXTURES	40 lbs. 10 lbs.	0.9 lbs. 0.2 lbs.	P	J	F	M		M			S	0		D	137,000 SEED PER POUND. QUICK DENSE COVER. WILL PROVIDE TOO MUCH COMPETITION IN MIXTURES IF SEEDED AT HIGH RATES.
MILLET, PEARL ALONE IN MIXTURES	50 lbs.	0.9 lbs.	P	J	F	M		M			S	0		D	88,000 SEED PER POUND. QUICK DENSE COVER. MAY REACH 5 FEET IN HEIGHT. NOT RECOMMENDED FOF MIXTURES.
RYE ALONE IN MIXTURES	3 bu (168 lbs.) 1/2 bu (28 lbs.)	3.9 lbs. 0.6 lbs.	P	J	F	M	A	M		-	s	0		D	18,000 SEED PER POUND. QUICK COVER. DROUGHT TOLERANT AND WINTERHARDY.
RYEGRASS, ANNUAL ALONE IN MIXTURES	40 lbs.	0.9 lbs.	P	J	F	M		M			s	0			227,000 SEED PER POUND. DENSE COVER. VERY COMPETITIVE AND IS NOT TO BE USED IN MIXTURES.
SUDANGRASS ALONE IN MIXTURES	60 lbs.	1.4 lbs.	P												55,000 SEED PER POUND. GOOD ON DROUGHTY SITES. NOT RECOMMENDED FOR MIXTURES.

DUST CONTROL ON DISTURBED AREAS Du

1. APPLY AT RATE THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT

CALCIUM CHLORIDE

1. THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. REPEAT AS NEEDED.

IRRIGATION

1. SEE STANDARD DS1 - DISTURBED AREA STABILIZATION (WITH MULCHING ONLY).

MULCH

SPECIFICATIONS A. USE THE FOLLOWING METHODS AS NEEDED OR DIRECTED TO MINIMIZE DUST ON THE PROJECT SITE

	PRACTICES							
CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION				
Cd	CHECKDAM	AN A	ſ	A small temporary barrier or dam constructe across a swale, drainage ditch or area of concentrated flow.				
Co	CONSTRUCTION EXIT			A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.				
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.				
St	STORMDRAIN OUTLET PROTECTION		(F)	A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.				
		VEGETA	TIVE P	RACTICES				
CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION				
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion retarding cover.				
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)		Ds2	Establishing a temporary vegetative cover with fast growing seedings on disturbed areas.				
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ds3	Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.				
Ds4	DISTURBED AREA STABILIZATION (SODDING)		Ds4	A permanent vegetative cover using sods on highly erodable or critically eroded lands.				
Du	DUST CONTROL ON DISTURBED AREAS		Du	Controlling surface and air movement of dust on construction site, roadways and similar sites.				
Ss	SLOPE STABILIZATION	L	Ss	A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.				

Ds3

Ds3 PERMANENT	GRASSING	MULCI
MATERIAL		

FERTILIZER A	ND LIME R
TYPES OF SPECIES	PLANTING YEAR
Cool Season Grasses	First Second Maintenance
Cool Season Grasses and Legumes	First Second Maintenance
Warm Season Grasses	First Second Maintenance
Warm Season Grasses and Legumes	First Second Maintenance

-	Ds
SPECIES	BROADCAS RATES 1/ - PLS PER PER ACRE 1000 S
BERMUDA, COMMON (CYNODON DACTYLON) HULLED SEED ALONE WITH OTHER PERENNIALS	10 LBS. 0.2 L 6 LBS. 0.1 L
BERMUDA, COMMON (CYNODON DACTYLON) UNHULLED SEED WITH TEMPORARY COVER WITH OTHER PERENNIALS	10 LBS. 0.2 L 6 LBS. 0.1 L
BERMUDA SPRIGS (CYNODON DACTYLON) COASTAL, COMMON, MIDLAND, OR TIFT 44 COASTAL, COMMON, OR TIFT 44	40 CU. FT. 0.9 CL OR SOD PLUGS 3' x
CENTIPEDE (EREMOCHLOA OPHIUROIDES)	BLOCK SOD ON
FESCUE, TALL (CYNODON DACTYLON) ALONE	50 LBS. 1.1 L
WITH OTHER PERENNIALS	30 LBS. 0.7 L
(1) BROADCAST RATES ARE IN (2) M-L REPRESENTS THE MU P REPRESENTS THE SOUT C REPRESENTS SOUTHERN (1) DATE UNDER INDEXE	I PURE LIVE SEED (PL DUNTAIN, BLUE RIDGE, HERN PIEDMONT MLRA N COASTAL PLAIN, SAN

(FILTER FABRIC

- THE PERIMETER OF THE INLET (MAXIMUM OF 3' APART).

GEORGIA **UNIFORM CODING SYSTEM** FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES

GEORGIA SOIL AND WATER CONSERVATION COMMISSION

POTENTIAL POLLUTANT MATERIALS INVENTORY

- Concrete . Detergents Paints (Enamel and Latex) . Metal Studs Tar
- 6. Roofing Shingles . Fertilizers
- 8. Pesticides 9. Petroleum Based Products
- 10. Cleaning Solvents 11. Wood
- 12. Masonry Block/Brick/Stone

PRODUCT SPECIFIC PRACTICES

Petroleum Based Products - Containers for products such as fuels, lubricants and tars will be inspected daily for leaks and spills. This includes on-site vehicle and machinery daily inspections and regular preventative maintenance of such equipment. Equipment maintenance areas will be located away from state water, natural drains and storm water drainage inlets. In addition, temporary fueling tanks shall have a secondary containment liner to prevent/minimize site contamination. Discharge of oils, fuels and lubricants is prohibited. Proper disposal methods will include collection in a suitable container and disposal as required by local and State regulations.

Paints/Finishes/Solvents - All products will be stored in tightly sealed original containers when not in use. Excess product will not be discharged to the storm water collection system. Excess product, materials used with these products and product containers will be disposed of according to manufacturer's specifications and recommendations.

Concrete Truck Washing - NO concrete trucks will be allowed to wash out or discharge surplus concrete or drum wash water onsite

Fertilizer/Herbicides - These products will be applied at rates that do not exceed the manufacturer's specifications or above the guidelines set forth in the crop establishment or in the GSWCC Manual for Erosion and Sediment Control in Georgia. Any storage of these materials will be under roof in sealed containers.

Building materials - No building or construction materials will be buried or disposed of onsite. All such material will be disposed of in proper waste disposal procedures.

NO WASTE WILL BE DISPOSED OF INTO STORM WATER INLETS OR WATERS OF THE STATE.

WASTE MATERIALS

All waste materials will be collected and stored in a securely lidded metal dumpster. The dumpster will meet all solid waste management regulations. All trash and construction debris from the site will be deposited in the dumpster. The dumpster will be emptied a minimum of once per week or more often if necessary and trash will be hauled as required by local regulations. No construction waste will be buried onsite. All personnel will be instructed on proper procedures for waste disposal.

HAZARDOUS WASTES

All hazardous waste materials will be disposed of in the manner specified by local, state, and/or federal regulations and by the manufacturer of such products. The job site superintendent, who will also be responsible for seeing that these practices are followed, will instruct site personnel in these practices. Material Safety Data Sheets (MSDS's) for each substance with hazardous properties that is used on the job site will be obtained and used for the proper management of potential wastes that may result from these products. An MSDS will be posted in the immediate area where such product is stored and/or used and another copy of each MSDS will be maintained in the ESPCP file at the job site construction trailer office. Each employee who must handle a substance with hazardous properties will be instructed on the use of MSDS sheets and the specific information in the applicable MSDS for the product he/she is using, particularly regarding spill control techniques. The contractor will implement the Spill Prevention Control and Countermeasures (SPCC) Plan found within this ESPCP and will train all personnel in the proper cleanup and handling of spilled materials. No spilled hazardous materials or hazardous wastes will be allowed to come in contact with stormwater discharges. If such contact occurs, the stormwater discharge will be contained on site until appropriate measures in compliance with sate and federal regulations are taken to dispose of such contaminated stormwater. It shall be the responsibility of the job site superintendent to properly train all personnel in the use of the SPCC plan.

SANITARY WASTES

A minimum of one portable sanitary unit will be provided for every ten (10) workers on the site. All sanitary waste will be collected from the portable units a minimum of one time per week by a license portable facility provider in compete compliance with local and state regulations. All sanitary waste units will be located in one area where the likelihood of the unit contributing to storm water discharge is negligible. Additional containment BMP's must be implemented, such as gravel bags or specially designed plastic skid containers around the base, to prevent wastes from contributing to storm water discharges. The location of sanitary waste units must be identified on the Erosion Control Plan Grading Phase, by the contractor once the locations have been determined. Sanitary Sewer will be provided by Municipal Authority/Septic System at the completion of this Project.

SPILL CLEANUP AND CONTROL PRACTICES

* Local, State and manufacturer's recommended methods for spill cleanup will be clearly posted and procedures will be made available to site personnel.

Material and equipment necessary for spill cleanup will be kept in the material storage areas. Typical materials and equipment includes, but is not limited to, * greater than 560 gallons brooms, dustpans, mops, rags, gloves, goggles, cat litter, sand, sawdust

- and properly labeled plastic and metal waste containers * Spill prevention practices and procedures will be reviewed after a spill and adjusted as necessary to prevent future spills.
- * All spills will be cleaned up immediately upon discovery. All spills will be reported as required by local, State and Federal regulations. * FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802. * FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL CENTER (NRC) WILL BE CONTACTED WITHIN 24
- HOURS AT 1-800-424-8802. * FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL **BE CONTACTED WITHIN 24 HOURS.**
- * FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

The contractor shall notify the licensed professional who prepared this plan if more than 1320 gallons of petroleum is stored onsite (this includes capacities of equipment) or if any one piece of equipment has a capa. The Contractor will need a Spill Prevention Containment and Countermeasures Plan prepared by that licensed professional.

CURB INLET PROTECTION - "PIGS IN A BLANKET'

N.T.S.

DIMENSIONS AND QUANTITIES										
CLEAR HEIGHT	н	W,	Wz	s	М	T₄	Z	CY CLASS AA CONCRETE	LBS. BAR REINF STEEL	CLEAR HEIGHT
2'	3'-1"	'- "	2'-0"	'- "	2'-8"	10"	-	3.3	270	2′
3'	4'-31/2"	2'-31/2"	2'-0"	2'-11/2"	5'-7"	10"	-	6.0	499	3'
4'	5'-9"	3'-9"	2'-0"	2'-7"	9'-2"	10″	-	9.2	795	4'
5'	6'-9"	4'-3"	2'-6"	2'-7"	10'-6"	10″	-	12.4	1083	5′
6'	7'-9"	4'-9"	3'-0"	2'-7"	11'-10"	10″	-	15.0	1246	6'
7'	8'-91/2"	5′-3 /2″	3'-6"	2'-71/2"	13'-2"	10″	-	17.9	1507	7'
8'	9'-10 ¹ /2"	5'-10 <mark>1/</mark> 2″	4'-0"	2'-8 /2"	14'-5"	12″	I'-0"	25.3	2070	8'
9'	0'-11"	6'-5″	4'-6"	2'-9"	15'-9"	12″	l'-6"	29.9	2345	9'
10'	'- "	6'-11"	5'-0"	2'-9"	17'-0"	12″	2'-0"	34.7	3277	10'
11'	12'-11"	7'-5″	5'-6"	2'-9"	18'-4"	12"	2'-6"	40.0	3676	117
12'	13 [′] -11⁄2″	7'-111/2"	6'-0"	2'-91/2"	19'-8"	12"	3'-0"	45.8	4788	12'

