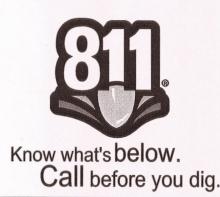


Sheet List Table Sheet Number Sheet Title C0 COVER SHEET G0.1 GENERAL NOTES AND LEGENDS C1.1 **EXISTING CONDITIONS** EC0.1 EROSION CONTROL NOTES EC0.2 EROSION CONTROL CHART EC1.1 EROSION CONTROL PLAN - INTITIAL PHAS EC2.1 EROSION CONTROL PLAN - CONSTRUCTION PHASE EC3.1 **EROSION CONTROL - STABILIZATION PHAS** EC4.1 EROSION CONTROL DETAILS EC4.2 **EROSION CONTROL DETAILS**

	REVISION HISTORY		
I	REVISED PER SCDHEC COMMENTS	CGW	5/3/17
REV. NO.	REVISION	BY	DATE

SUBMITTAL HISTORY

SUBMITTED TO

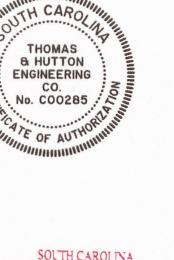


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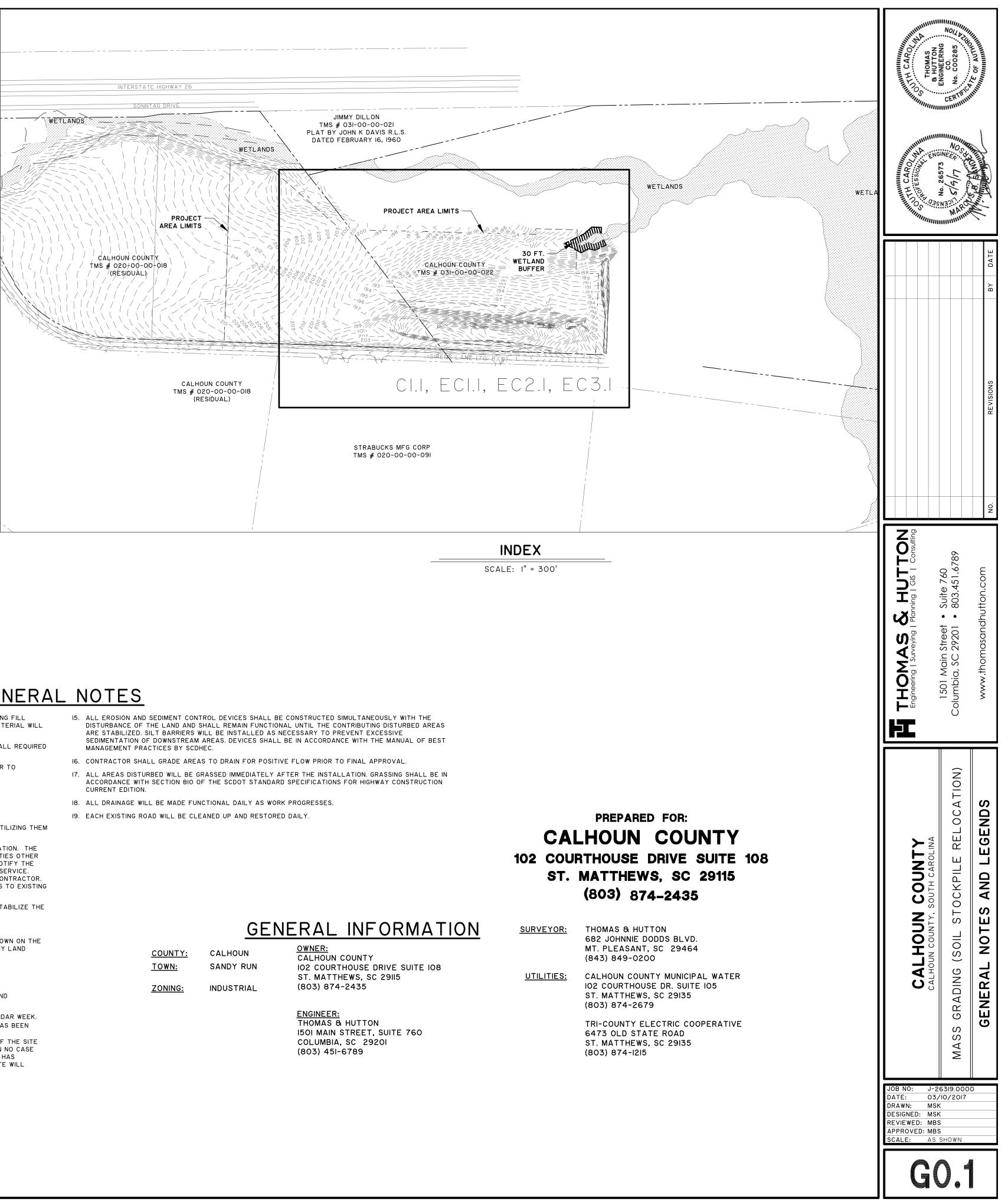
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DESCRIPTION	EXISTING
NATURAL GAS	UGG UGG
TELEPHONE	——— ОНТ ——— ОНТ ———
UNDERGROUND TELEPHONE	UTL UTL
ELECTRICITY	OHP OHP
UNDERGROUND ELECTRICITY	UGP UGP

	<u>ABBREV</u>	ΊΑ	<u>\TI(</u>	<u>DNS</u>
HDPE	HIGH DENSITY POLYETHLYENE		РC	POINT OF CURVE
вот	BOTTOM		PH	POST HYDRANT
CI	CURB INLET		ΡT	POINT OF TANGENT
СРР	CORRUGATED PLASTIC PIPE		PVC	POLYVINYL CHLORIDE
DIP	DUCTILE IRON PIPE		RCP	REINFORCED CONCRETE PIPE
EL	ELEVATION		RJP	RESTRAINED JOINT PIPE
FG	FINISH GRADE		R/W	RIGHT-OF-WAY
FH	FIRE HYDRANT		SD	STORM DRAINAGE
FΜ	FORCE MAIN (SANITARY SEWER)		SDMH	STORM DRAINAGE MANHOLE
FP	FINISH PAD		SF	SQUARE FEET
FR	FRAME		SS	SANITARY SEWER
GI	GRATE INLET		ТC	TOP OF CURB
Gν	GATE VALVE		ΤG	TOP OF GUTTER
INV	INVERT ELEVATION		ΤP	TOP OF PAVEMENT
JB	JUNCTION BOX		ΤW	TOP OF WALK
LF	LINEAR FEET		ΤΥΡ	TYPICAL
MAX	MAXIMUM		W	WATER
MIN	MINIMUM		W/	WITH
MH	MANHOLE		WV	WATER VALVE
OC	ON CENTER		ΥI	YARD INLET

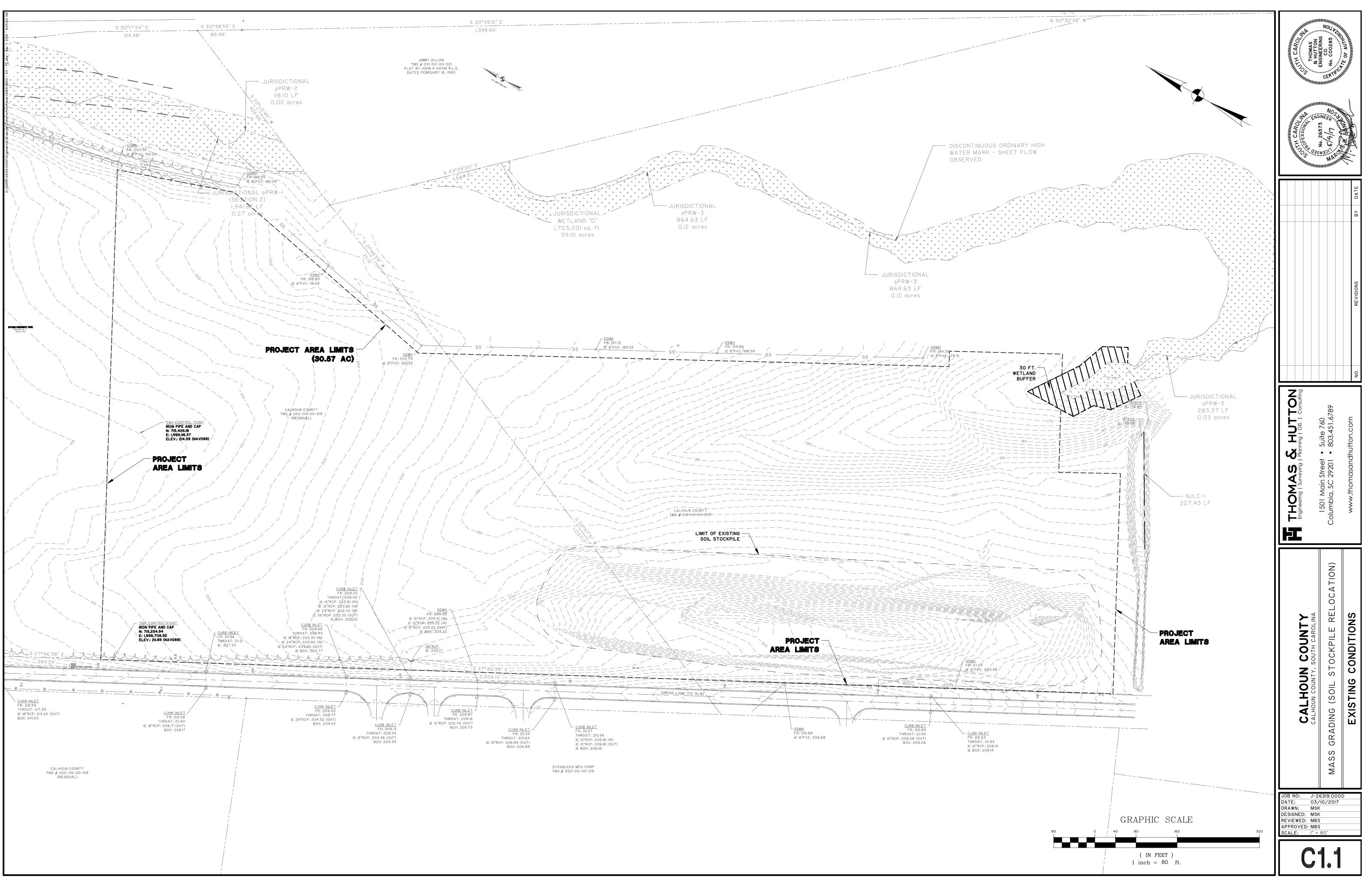
EROSION CONT	ROL LEGEND
ESCRIPTION	PLAN SYMBOL
LT FENCE	
EARING LIMITS	LOD
EMPORARY DIVERSION	
EMPORARY SEEDING	TS
ERMANENT SEEDING	PS
ROSION CONTROL BLANKET OR TURF EINFORCEMENT MAT	
PRAP	
EDIMENT BASIN	
DROUS BAFFLES	
ABILIZED CONSTRUCTION ENTRANCE	



GENERAL NOTES

- I. THE PROPOSED WORK WILL CONSIST OF THE RELOCATION OF SOIL MATERIAL FROM AN EXISTING FILL STOCKPILE WITHIN THE PROJECT AREA TO DEVELOP A GRADED PAD FOR THE OWNER. THE MATERIAL WILL BE SPREAD, GRADED, AND COMPACTED IN LIFTS BETWEEN 12 AND 18 INCHES.
- 2. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER 48 HOURS IN ADVANCE OF ALL REQUIRED TESTS AND INSPECTIONS.
- 3. THE CONTRACTOR WILL NOTIFY THE ENGINEER IF UNSUITABLE MATERIAL IS DISCOVERED PRIOR TO BEGINNING ANY REMOVAL OPERATION.
- 4. BOUNDARY INFORMATION BY FROM T&H SURVEY.
- 5. ALL ELEVATIONS SHOWN ARE BASED ON NAVD88.
- 6. TOPOGRAPHIC DATA FROM T&H SURVEY.
- 7. CONTRACTOR IS TO VERIFY ACCURACY OF ANY TEMPORARY BENCHMARKS SHOWN PRIOR TO UTILIZING THEM FOR CONSTRUCTION.
- 8. THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES OTHER THAN THOSE SHOWN ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY AND TAKE STEPS TO PROTECT THE LINE(S) AND ENSURE CONTINUED SERVICE. DAMAGE CAUSED TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR. ADDITIONALLY, THE CONTRACTOR SHALL CONFIRM THE CONNECTION POINTS OF NEW UTILITIES TO EXISTING UTILITIES PRIOR TO BEGINNING NEW CONSTRUCTION.
- 9. IF WORK IS SUSPENDED OR DELAYED FOR 14 DAYS, THE CONTRACTOR SHALL TEMPORARILY STABILIZE THE DISTURBED AREA AT NO ADDITIONAL COST TO THE OWNER.
- IO. THE CONTRACTOR SHALL INSTALL ANY BARRICADES PRIOR TO BEGINNING CONSTRUCTION.
- II. THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL AND PREVENTION STRUCTURES SHOWN ON THE PLANS. BOTH MUST BE APPROVED BY CALHOUN COUNTY AND SCDHEC PRIOR TO BEGINNING ANY LAND DISTURBING ACTIVITIES.
- 12. WETLANDS SHOWN WERE DELINEATED BY T&H MAY 2015.
- I3. GEOTECHNICAL INVESTIGATION HAS BEEN COMPLETED BY TERRACON CONSULTANTS. 14. THE FOLLOWING NOTES ARE SPECIFIED BY THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND
- ENVIRONMENTAL CONTROL (SCDHEC) AND ARE TO BE EXECUTED BY THE CONTRACTOR:
- a. ALL SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY CALENDAR WEEK. ALL SEDIMENT CONTROL FEATURES SHALL BE MAINTAINED UNTIL FINAL STABILIZATION HAS BEEN OBTAINED.
- b. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED, UNLESS ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN 14 DAYS.

COUNTY:
TOWN:



1. 8	SITE	DESCRIPTION				PUBLIC ROADWAYS. RESEED AND MULCH AREA WH
	A. PF	ROJECT DESCRIPTION				WHERE EROSION OCCURS. PROTECT FROM TRAFF MULCHES PERIODICALLY, AND AFTER RAINSTORMS
		1. PROJECT AREA		30.57 ACRES		FAILURE. IF WASHOUT OCCURS, REPAIR THE SLOP
		2. AREA DISTURBED		16.00 ACRES		FOLLOW THE CONSTRUCTION SEQUENCE THROUG CHANGES IN CONSTRUCTION ACTIVITIES ARE NEED
		 PERCENT IMPERVIOUS AREA BEFORE CONS[®] RUNOFF COEFFICIENT BEFORE CONSTRUCT 		0 % 64 CN		ADVANCE TO MAINTAIN MANAGEMENT CONTROL. IF
		5. PERCENT IMPERVIOUS AREA AFTER CONSTRUCT		0 %		COPY OF THE MODIFIED SCHEDULE TO THE ENGINE
	A.	6. RUNOFF COEFFICIENT DURING CONSTRUCTI	ON	82 CN		MEASURES WILL REMAIN IN PLACE AND BE MAINTAI STABILIZED.
	B. Di	ESCRIPTION OF CONSTRUCTION ACTIVITY			2	SILT FENCE
	W	ORK CONSISTS OF CLEARING & GRUBBING, AND	GRADING THE SITE.		۷.	
	C. RI	JNOFF DATA				SILT FENCES WILL BE MONITORED DURING CONSTRU FUNCTIONING PROPERLY WILL BE PROMPTLY REPAIR
		1. SOIL CLASSIFICATIONS:	(HSG) A, B			REACHES 1/3 THE HEIGHT OF THE FENCE OR REPLAC
	C.	2. LAND USE(S):	VACANT/WOODED			HOURS. USE OF HOSES AND WATER TO FLUSH THE S UNACCEPTABLE.
	D. RI	ECEIVING WATERS			3	SEDIMENTATION BASINS
		CLOSEST RECEIVING WATERS: ULTIMATE RECEIVING WATERS:	SANDY RUN TRIBUTARY CONGAREE RIVER	4	0.	
	E. FL					SEDIMENTATION BASINS WHICH ARE AT 50% USED CA SHALL BE RE-EXCAVATED TO ORIGINAL DIMENSIONS
		1. FEMA FLOOD ZONE(S):	ZONE X (UNSHADED)		4.	SEDIMENT LOGS/ROLLS
		2. FEMA FLOOD INSURANCE MAP(S):	45017C0070B, DATED: 4/1	16/2007		
						SEDIMENT LOGS/ROLLS OR OTHER CONTROL MEASU FUNCTION INEFFECTIVELY SHALL BE PROMPTLY REPI
II.	CON	TROL MEASURES			5.	VEGETATION COVER
	1. EF	ROSION AND SEDIMENT CONTROLS				ANY VEGETATION COVER SERVING TO STABILIZE DIS
		PRIOR TO START OF CONSTRUCTION, ALL PERIM				SHALL IMMEDIATELY BE REPLACED.
		ON THE PLANS.	LTER SIETTENGE WILL BE	INSTALLED AS SHOWN	6.	CONSTRUCTION ENTRANCE
	1 1	CLEARING				MAINTAIN ROCK CONSTRUCTION ENTRANCE AND CLE
	1.1.					TRACKED ONTO THEM.
	1.1	I.1. AS CLEARING IS COMPLETED, ADDITIONAL S				
		NECESSARY, SUCH AS POINTS WHERE FLOW WHERE EXCESSIVE RUNOFF VELOCITIES MA		D, AND OTHER POINTS	IV. II	NSPECTIONS
		1.2. INSTALL CONSTRUCTION ENTRANCES / EXITS	S BEFORE BEGINNING CLE		1	QUALIFIED PERSONNEL WILL INSPECT DISTURBED ARE/
	1.1	I.3. CONSTRUCTION DELAYS IN ANY ONE AREA G ROUGH GRADING WILL MANDATE STABILIZAT				USED FOR STORAGE OF MATERIALS THAT ARE EXPOSE
		STABILIZATION INCLUDE MULCHING AND TEN		EFTABLE METHODS OF		FINALLY STABILIZED, STRUCTURAL CONTROL MEASURE ENTER OR EXIT THE SITE AT LEAST ONCE EVERY SEVER
	1.1	1.4. MAINTAIN EXISTING VEGETATION WHENEVER	R POSSIBLE AND MINIMIZE			BEEN FINALLY STABILIZED SUCH INSPECTIONS SHALL E
		DISTURBANCE. RETAIN AND PROTECT TREE AND REDUCE RAINDROP IMPACT.	S TO ENHANCE FUTURE L	ANDSCAPING EFFORTS		MONTH DURING THE WARRANTY PERIOD.
	1.1	1.5. INSTALL ALL SEDIMENT CONTROL PRACTICE	S PRIOR TO ANY UP-SLOP	PE SOIL DISTURBING	2.	DISTURBED AREAS AND AREAS USED FOR STORAGE OF
						PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE O ENTERING THE DRAINAGE SYSTEM. EROSION AND SED
	1.	I.6. PHASE CONSTRUCTION ACTIVITIES TO MININ WILL ALSO ALLOW COMPLETED AREAS TO BE				THE PLAN SHALL BE OBSERVED TO ENSURE THAT THE
		DISTURBING ADJACENT SITES. THE NEED FO	OR TEMPORARY EROSION	CONTROL MEASURES		DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, WHETHER EROSION CONTROL MEASURES ARE EFFECT
		MAY BE AVOIDED BY COMPLETING A PHASE A CONTROL MEASURES WHEN THE FINAL GRA		IENT EROSION		TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES
	1.1	1.7. MAINTAIN AND PROTECT ALL NATURAL WATE		ST A 35-FOOT		INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRAC
		UNDISTURBED BUFFER OF NATURAL VEGETA			3.	A WRITTEN REPORT SUMMARIZING THE SCOPE OF THE
		SEDIMENT AND OTHER POLLUTANTS. MAINT SENSITIVE WATERS.	AIN A 45-FOOT UNDISTUR	BED BUFFER AROUND		OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) INFORMATION FOR THE PERIOD SINCE THE LAST INSPEC
	1.1	1.8. INSTALL SILT FENCE (OR BIO ROLLS/ROCK SC				CONSTRUCTION ACTIVITY) INCLUDING A BEST ESTIMATE
		PERIMETER OF ALL DISTURBED AREAS PRIO (INCLUDING CLEARING AND GRUBBING). SIL				EVENT, DURATION OF EACH STORM EVENT, APPROXIMA EVENT (IN INCHES) AND WHETHER ANY DISCHARGES OF
		FEET PER LINEAL FOOT OF FENCE. INSTALL \$				SEDIMENT OR OTHER POLLUTANTS FROM THE SITE, LO
		CONTOUR WITH EACH END TURNED UP-SLOP	PE . SWALES AND SHORE	LAND AREAS SHOULD		MAINTENANCE, LOCATION(S) OF BMP'S THAT FAILED TO INADEQUATE FOR A PARTICULAR LOCATION, LOCATION
	1	ALSO BE PROTECTED WITH SILT FENCE, BIO 1.9. IN AREAS OF CONCENTRATED FLOW INSTAL	,			THAT DID NOT EXIST AT THE TIME OF INSPECTION AND
		TRIANGULAR DIKES, BIO ROLL BLANKETS, OF	,	,		INCLUDING ANY CHANGES TO SWPPP NECESSARY AND
		SEDIMENT.			4.	THE REPORT SHALL BE MAINTAINED AT LEAST THREE Y
	1.1	1.10. USE TEMPORARY SLOPE DRAINS OR ROCK C	HUTES TO MOVE WATER	DOWN STEEP SLOPES.		STABILIZED. THE REPORT MUST BE SIGNED AND SHALL FACILITY IS IN COMPLIANCE WITH THE STORM WATER P
						NPDES PERMIT REFERENCED ABOVE. THE CONTRACTO
	1.1	I.11. CONSTRUCT SEDIMENT BASINS FOR DRAINA	GE AREAS GREATER THA	N 10 ACRES		REPORT SHALL BE SUBMITTED TO THE ENGINEER AND (
	1.2.	ROUGH GRADING			V 6	
	4 4	2.1. ALL EXISTING CONTROLS WILL BE MAINTAIN			v. 8	SC DHEC STANDARD NOTES
	1.4	GREATER THAN 14 DAYS PRIOR TO START O			1	IF NECESSARY, SLOPES WHICH EXCEED EIGHT (8) VERT
		PROCEDURES. ACCEPTABLE METHODS OF S	STABILIZATION INCLUDE N	IULCHING AND	1.	SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO GRA
	1 :	TEMPORARY SEEDING. 2.2. ALL AREAS NOT SUBJECT TO FURTHER CON	STRUCTION (DRAINAGE S	SANITARY SEWER		NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS D BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT
		ROADS, WATER DISTRIBUTION SYSTEMS, OR				
	1 4	WITH A PERMANENT COVER. 2.3. COVER ANY STOCK PILED TOPSOIL WITH PLA			2.	STABILIZATION MEASURES SHALL BE INITIATED AS SOO SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPOR
	1.4	USE A TEMPORARY SEED MIX. USE STOCKPI	•			NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WO
		TEMPORARY SEDIMENT BASINS.				BELOW:
	1.3.	GRASSING			:	2.1. WHERE STABILIZATION BY THE 14TH DAY IS PRECLU
	1 '	3.1. ALL EXISTING CONTROLS WILL BE MAINTAIN	ED LINTIL GRASSING IS ES			CONDITIONS STABILIZATION MEASURES MUST BE IN 2.2. WHERE CONSTRUCTION ACTIVITY ON A PORTION O
		3.2. ANY AREAS THAT ERODE OR WHERE GRASS				EARTH-DISTURBING ACTIVITIES WILL BE RESUMED
		RE-GRADED AND RE-GRASSED.				STABILIZATION MEASURES DO NOT HAVE TO BE INI
	2. ST	ORM WATER MANAGEMENT			3.	ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL
						WEEK. IF SITE INSPECTIONS IDENTIFY BMP'S THAT ARE EFFECTIVELY, MAINTENANCE MUST BE PERFORMED AS
		JNOFF FROM THIS PROJECT WILL DISCHARGE INT REATMENT WILL OCCUR IN STORM WATER DETEN				POSSIBLE BEFORE THE NEXT STORM EVENT WHENEVER
	3. O	THER CONTROLS			1	
		WASTE DISPOSAL			4.	PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICE EROSION DURING UTILITY CONSTRUCTION. ALL DISTUR
	J. I.	WAGTE DIGI OOAL				AND STABILIZED WITH GRASSING IMMEDIATELY AFTER AND TEMPORARY SEEDING AT THE END OF EACH DAY A
	3.	1.1. NO SOLID MATERIALS, INCLUDING BUILDING	MATERIALS, SHALL BE DIS	SCHARGED TO ANY		ENCOUNTERED WHILE TRENCHING, THE WATER SHOUL
	3	RECEIVING WATERS. 1.2. OFFSITE VEHICLE TRACKING OF SEDIMENTS	AND THE GENERATION O	F DUST SHALL BF		BEFORE BEING PUMPED INTO ANY WATERS OF THE STA
		MINIMIZED.			5.	ALL EROSION CONTROL DEVICES SHALL BE PROPERLY
	3.	 THIS PLAN SHALL COMPLY WITH STATE AND/ OR SEPTIC SYSTEM REGULATIONS. 	OR LOCAL WASTE DISPOS	SAL, SANITARY SEWER		CONSTRUCTION UNTIL THE COMPLETION OF ALL CONST AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL
	3.	1.4. DUST CONTROL ON DISTURBED AREAS - CONT	ROLLING SURFACE AND A	IR MOVEMENT OF DUST		CONSTRUCTION IN ORDER TO CONTROL EROSION AND
		ON CONSTRUCTION SITE AND HAUL ROUTES	. THE PURPOSE OF THE M	IEASURE IS TO REDUCE		TEMPORARY CONTROL DEVICES SHALL BE REMOVED O THE SITE IS STABILIZED.
		THE PRESENCE OF AIRBORNE SUBSTANCES HUMAN HEALTH, WELFARE OR SAFETY, OR T	-			
			3 bruit bli		6.	THE CONTRACTOR MUST TAKE NECESSARY ACTION TO THE PAVED ROADWAY FROM CONSTRUCTION AREAS AN
III.	MAI	NTENANCE				CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM P
					7.	RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTRI
		THE SITE SUPERINTENDENT, OR HIS/HER REPR	RESENTATIVE, SHALL MAK	E VISUAL INSPECTIONS		WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVID
		OF ALL MECHANICAL CONTROLS AND NEWLY S	TABILIZED AREAS (I.E. SE	EDED AND MULCHED		THESE PLANS DURING CONSTRUCTION OR OBTAIN APP ACCORDANCE WITH S.C. REG. 72-300 AND SCR100000.
		AND/OR SODDED AREAS) ON A DAILY BASIS; ES INSURE THAT ALL CONTROLS ARE MAINTAINED			~	
		CONTROLS SHALL BE REPAIRED PRIOR TO THE	END OF THE WORK DAY		8.	TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL CONSTRUCTION TO PROTECT WORK AREAS FROM UPSI
		AND MULCHING OR RE-SODDING IF NECESSAR	Υ.			LADEN WATER TO APPROPRIATE TRAPS OR STABLE OU
	1.2.	EROSION CONTROL MEASURES WILL BE MAINT	AINED AT ALL TIMES. IF F	ULL IMPLEMENTATION	9.	ALL WATERS OF THE STATE (WOS), INCLUDING WETLAN
		OF THE APPROVED PLAN DOES NOT PROVIDE I	FOR EFFECTIVE EROSION	CONTROL, ADDITIONAL		CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SIL WHERE A 50-FOOT BUFFER CAN NOT BE MAINTAINED BE
		EROSION AND SEDIMENTATION CONTROL MEA TREAT THE SEDIMENT SOURCE. ALL DRAINAGE				WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BET
		AND OUTLET DITCHES SHALL DRAIN EFFECTIVE	ELY AT ALL TIMES. SETTLE	EMENT OR WASHING		ALL WOS
		THAT MAY OCCUR SHALL BE REPAIRED BY THE			10.	LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUIL
		FROM BEHIND THE SEDIMENT FENCE WHEN IT SEDIMENT FENCE WILL BE REPAIRED AS NECE				POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRE CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED
		MAINTAIN THE CONSTRUCTION EXIT IN A COND				FROM BECOMING A POLLUTANT SOURCE IN STORM WAT

- SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN AN EFFECTIVE BARRIER MAINTAIN THE CONSTRUCTION EXIT IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE, THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE. IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED, OR TACKED ONTO
- FINAL STABILIZATION IS REACHED. 12. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE
- RESUME FOR A PERIOD OF 7 CALENDAR DAYS. 13. MINIMIZE SOIL COMPACTION IN AREAS NOT UNDER PAVEMENTS AND /OR STRUCTURES AND UNLESS INFEASIBLE. PRESERVE TOPSOIL.
- 14. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING. WHEEL

AND MULCH AREA WHERE SEEDING EMERGENCE IS POOR, OR ROTECT FROM TRAFFIC AS MUCH AS POSSIBLE. INSPECT ALL D AFTER RAINSTORMS TO CHECK FOR EROSION, DISLOCATION OR IRS. REPAIR THE SLOPE GRADE, RESEED AND REINSTALL MULCH. SEQUENCE THROUGHOUT THE PROJECT DEVELOPMENT. WHEN ACTIVITIES ARE NEEDED, AMEND THE SEQUENCE SCHEDULE IN AGEMENT CONTROL. IF MAJOR CHANGES ARE NECESSARY, SEND A EDULE TO THE ENGINEER, SEDIMENT AND EROSION CONTROL LACE AND BE MAINTAINED UNTIL THE DISTURBED AREAS ARE

RED DURING CONSTRUCTION. ANY SILT FENCE WHICH IS NOT BE PROMPTLY REPAIRED CLEAN OUT THE SILT FENCE WHEN IT HE FENCE OR REPLACE WITH FUNCTIONAL SILT FENCE WITHIN 24 ATER TO FLUSH THE SEDIMENT INTO THE STORM INLETS IS

ARE AT 50% USED CAPACITY OR APPROACHING SUCH CAPACITY RIGINAL DIMENSIONS AND THE SILT PROPERLY DISPOSED OF.

HER CONTROL MEASURES WHICH BEGIN TO DISINTEGRATE OR L BE PROMPTLY REPLACED.

/ING TO STABILIZE DISTURBED SOILS WHICH IS ITSELF DISTURBED

N ENTRANCE AND CLEAN ADJACENT ROADS OF ANY MUD

PECT DISTURBED AREAS OF THE CONSTRUCTION SITE, AREAS LS THAT ARE EXPOSED TO PRECIPITATION THAT HAVE NOT BEEN CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES T ONCE EVERY SEVEN CALENDAR DAYS. WHERE SITES HAVE INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY

JSED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO TED FOR EVIDENCE OF OR THE POTENTIAL FOR POLLUTANTS M FROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN O ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE ITS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN EASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS INS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE FSITE SEDIMENT TRACKING

IG THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS PECTION, THE DATE(S) OF THE INSPECTION, WEATHER INCE THE LAST INSPECTION (OR SINCE COMMENCEMENT OF DING A BEST ESTIMATE OF THE BEGINNING OF EACH STORM RM EVENT. APPROXIMATE AMOUNT OF RAINFALL FOR EACH STORM

ANY DISCHARGES OCCURRED, LOCATION(S) OF DISCHARGES OF TS FROM THE SITE, LOCATION(S) OF BMP'S THAT NEED MP'S THAT FAILED TO OPERATE AS DESIGNED OR PROVED LOCATION, LOCATION(S) WHERE ADDITIONAL BMP'S ARE NEEDED OF INSPECTION AND ANY CORRECTIVE ACTION REQUIRED

PPP NECESSARY AND IMPLEMENTATION DATES. NED AT LEAST THREE YEARS FROM THE DATE THE SITE IS FINALLY BE SIGNED AND SHALL CONTAIN A CERTIFICATION THAT THE

THE STORM WATER POLLUTION PREVENTION PLAN AND THE IVE. THE CONTRACTOR SHALL MAINTAIN THIS REPORT. THE THE ENGINEER AND OWNER.

XCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH S, IN ADDITION TO GRASSING / HYDROSEEDING. IT MAY BE ARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY IE SLOPE IS BROUGHT TO GRADE.

BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE TIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED

HE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE. IVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND ES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY O NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.

NTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR NTIFY BMP'S THAT ARE DAMAGED OR ARE NOT OPERATING T BE PERFORMED AS SOON AS PRACTICAL OR AS REASONABLY ORM EVENT WHENEVER PRACTICAL.

HER CONTROL DEVICES. AS MAY BE REQUIRED. TO CONTROL SOIL RUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, E END OF EACH DAY ARE RECOMMENDED. IF WATER IS G, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS WATERS OF THE STATE.

SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF PLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING ONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND

ECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO NSTRUCTION AREAS AND THE GENERATION OF DUST. THE OVE MUD/SOIL FROM PAVEMENT AS MAY BE REQUIRED.

UIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS NSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW CTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN

AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING ORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT TRAPS OR STABLE OUTLETS.

S), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS NOT BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL D BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND

OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.

11. A COPY OF THE SWPPP, INSPECTION RECORDS AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT

LAND DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT

STORMWATER POLLUTION PREVENTION PLAN

WASH WATER AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUAL OR BETTER TREATMENT PRIOR TO DISCHARGE.

15. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPS (SEDIMENT BASIN. FILTER BAG, ETC.).

16. THE FOLLOWING DISCHARGES ARE PROHIBITED:

16.1. WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL:

REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.

- 16.2. WASTEWATER FROM WASHOUT AND CLEANOUT OF OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS: 16.3. FUELS, OILS OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND
- MAINTENANCE[,] AND 16.4. SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
- 17. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS
- 18. IF EXISTING BMPS NEED TO BE MODIFIED OR IF ADDITIONAL BMPS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF PERMIT SCR100000 AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPS MUST BE IMPLEMENTED THESE PERFORMANCE STANDARDS APPLY TO ALL SITES. AS SOON AS REASONABLY POSSIBLE.
- 19. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE, THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.
- VI. EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES
- 1. THE IMPLEMENTATION OF THESE EROSION SEDIMENT CONTROL (ESC) PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED.
- 2. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
- 3. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT LEAVE THE SITE.
- 4. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING
- 5. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 24 HOURS FOLLOWING A MAJOR STORM EVENT.
- AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN, ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING AND PRIOR TO FINAL INSPECTION. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- 8. BEFORE COMMENCING ANY LAND DISTURBING ACTIVITY, THE EXISTING STORM WATER INLET(S) THAT RECEIVING RUNOFF FROM THE PROPOSED WORK AREA SHALL BE PROTECTED. THE TEMPORARY INLET PROTECTION MUST REMAIN IN PLACE UNTIL THE CONSTRUCTION ACTIVITY IS COMPLETED THE STREET HAS BEEN SWEPT AND ANY EXPOSED SOILS ARE STABILIZED. THE CONTRACTOR IS ALSO RESPONSIBLE FOR REMOVING ANY TEMPORARY INLET PROTECTION INSTALLED; AFTER ALL DISTURBED AREAS ARE STABILIZED. TEMPORARY PROTECTION OF THE INLETS MAY BE ACCOMPLISHED BY ONE OR MORE OF THE FOLLOWING:
- 8.1. USE OF GRAVEL BAGS TO FILTER THE SEDIMENT FROM ANY RUNOFF. TO MAKE A GRAVEL BAG, USE A BAG MADE OF GEOTEXTILE FABRIC (NOT BURLAP) AND FILL WITH EITHER 3/4 INCH ROCK
- OR 1/4 INCH PEA GRAVEL. 8.2. USE OF SEDIMENT LOGS TO FILTER THE SEDIMENT FROM ANY RUNOFF (AVAILABLE THROUGH LOCAL EROSION CONTROL SUPPLIERS).
- 8.3. USE OF ABOVE OR UNDER-GRATE FILTER BAGS OR DEVICES TO FILTER THE SEDIMENT FROM ANY RUNOFF (AVAILABLE THROUGH EROSION CONTROL SUPPLIERS).
- 9. WATER MAY NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION, SEDIMENTATION, OR FLOODING ON THE SITE, ON DOWNSTREAM PROPERTIES, IN THE RECEIVING CHANNELS, OR IN ANY STORM WATER INLET. WHEN SITE DEWATERING, WATER PUMPED FROM THE SITE, INCLUDING TRENCHES, SHALL BE TREATED BY ONE OF THE FOLLOWING:
- 9.1. TEMPORARY SEDIMENTATION BASINS 9.2. SEDIMENT FILTERING BAGS
- 10. THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF ALL EXISTING UTILITIES. EXISTING UTILITIES ARE ALL UTILITIES THAT EXIST ON THE PROJECT IN AN ORIGINAL, RELOCATED OR NEWLY INSTALLED POSITION. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE COST OF REPAIRS VIII. GRASSING NOTES TO DAMAGED UNDERGROUND OR OVERHEAD FACILITIES, EVEN IF THE UTILITY IS NOT SHOWN ON THE SITE DEVELOPMENT PLANS. THE CONTRACTOR SHALL CONTACT THE LOCAL UTILITIES PROTECTION CENTER TO COORDINATE THE MARKING OF EXISTING UTILITY LINES A MINIMUM OF 96 HOURS PRIOR TO COMMENCEMENT OF ANY WORK.
- 11. THE CONTRACTOR SHALL FLUSH ALL INLETS AND PIPE AT THE COMPLETION OF CONSTRUCTION TO REMOVE SILT AND DEBRIS. THE CLEANING AND FLUSHING OF INLETS AND PIPE (EXISTING AND PROPOSED) SHALL BE CONSIDERED PART OF THE COST FOR THE PROJECT.
- 12. EGRESS FROM THE SITE SHALL BE CONTROLLED SUCH THAT VEHICLES LEAVING THE SITE MUST TRAVERSE CONSTRUCTION EXITS TO REMOVE MUD FROM TIRES.
- 13. SCHEDULE CONSTRUCTION ACTIVITIES TO MINIMIZE THE EXPOSED AREA AND DURATION OF EXPOSURE. IN SCHEDULING, TAKE INTO ACCOUNT THE SEASON AND THE WEATHER FORECAST.
- 14. EROSION CONTROL MEASURES ARE THE MINIMUM REQUIRED. THE CONTRACTOR SHALL PROVIDE ADDITIONAL CONTROL MEASURES AS DICTATED BY ACTUAL FIELD CONDITIONS AT THE TIME OF CONSTRUCTION IN ORDER TO PREVENT EROSION AND CONTROL SEDIMENT EROSION AND SEDIMENT CONTROL MEASURES WILL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE ENTIRE PROJECT IS TERMINATED OR SUSPENDED FOR AND INDEFINITE LENGTH OF TIME, ALL DISTURBED AREAS SHALL BE PLANTED WITH PERMANENT VEGETATION.
- 15. THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS, OR IN ANY WAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, IS BASED UPON FIELD INVESTIGATIONS AND IS BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME IS SHOWN AS INFORMATION ONLY, IS NOT GUARANTEED AND DOES NOT BIND THOMAS & HUTTON, OR THE OWNER IN ANY WAY.
- 16. CONTRACTOR SHALL MAINTAIN SITE ON A DAILY BASIS TO PROVIDE FOR POSITIVE DRAINAGE. CONTRACTOR, AT HIS COST, SHALL GRADE SITE AND PROVIDE NECESSARY TEMPORARY DRAINAGE SWALES TO INSURE STORM WATER DOES NOT POND ON SITE.
- 17. SITE DRAINAGE SHALL BE ESTABLISHED TO PREVENT ANY PONDED WATER CONDITIONS WITHIN THE CONSTRUCTION AREA AND TO FACILITATE STORM WATER DISCHARGE.
- 18. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
- 19. LIME RATES AND ANALYSIS: 19.1. AGRICULTURAL LIME SHALL BE APPLIED AT THE RATE SHOWN IN THE SEEDING SECTION UNLESS SOIL TESTS INDICATE OTHERWISE. GRADED AREAS REQUIRE LIME APPLICATION. IF LIME IS APPLIED WITHIN SIX MONTHS OF PLANTING PERMANENT PERENNIAL VEGETATION, ADDITIONAL LIME IS NOT REQUIRED. AGRICULTURAL LIME APPLICATION SHALL BE WITHIN THE SPECIFICATIONS OF THE SOUTH CAROLINA DEPARTMENT OF AGRICULTURE.

MULCHING IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. MULCH APPLIED TO SEEDED AREAS SHALL ACHIEVE 75% SOIL COVER. SELECT THE MULCHING MATERIAL FROM THE

20. MULCHING:

FOLLOWING AND APPLY AS INDICATED: 20.1. DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS CAN BE USED. DRY STRAW SHALL BE APPLIED AT THE RATE OF TWO TONS PER ACRE. DRY HAY SHALL BE APPLIED AT THE RATE OF 2 1/2 TONS PER ACRE.

- 20.2. WOOD CELLULOSE MULCH OR WOOD PULP FIBER SHALL IT SHALL BE APPLIED AT A RATE OF 500 POUNDS PER AC APPLIED (AT THE RATE INDICATED ABOVE) AFTER HYDRA
- 20.3. ONE THOUSAND POUNDS OF WOOD CELLULOSE OR WOO TACKIFIER, SHALL BE USED WITH HYDRAULIC SEEDING C 20.4. SERICEA LESPEDEZA HAY CONTAINING MATURE SEED SH
- PER ACRE. 20.5. PINE STRAW OR PINE BARK SHALL BE APPLIED AT A THICK PURPOSES. OTHER SUITABLE MATERIALS IN SUFFICIENT ORNAMENTALS OR OTHER GROUND COVERS ARE PLANTE
- SEEDED AREAS. 20.6. WHEN USING TEMPORARY EROSION CONTROL BLANKET REQUIRED.
- 20.7. ON SLOPES GREATER THAN 10 FEET IN LENGTH AND 4:1 EROSION CONTROL BLANKETS THAT HAVE BEEN PROPE ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS:

VII. HOUSEKEEPING

- 1. PETROLEUM PRODUCTS: INCLUDING OIL, GASOLINE, LUBRICA
- 1.1. HAVE EQUIPMENT TO CONTAIN AND CLEAN UP PETROLE OR ON MAINTENANCE AND FUELING VEHICLES
- 1.2. STORE IN COVERED AREAS PROTECTED WITH DIKES
- 2. SPILLS: PREVENTION AND RESPONSE.
- 2.1. STORE AND HANDLE MATERIALS TO PREVENT SPILLS 2.2. TIGHTLY SEALED CONTAINERS, NEAT AND SECURE STAC
- 2.3. REDUCE STORM WATER CONTACT IF SPILL OCCURS 2.3.1. CLEANUP PROCEDURES SHOULD BE CLEARLY POSTER
- 2.3.2. CLEANUP MATERIALS SHOULD BE READILY AVAILABLE
- 2.3.3. STOP THE SOURCE 2.3.4. CONTAIN THE SPILL

- THE FOLLOWING NON-STORMWATER DISCHARGES MUST BE POLLUTION OR EROSION:
- 3.1. DISCHARGES FROM FIRE-FIGHTING ACTIVITIES
- 3.2. FIRE HYDRANT FLUSHINGS
- 3.3. WATERS USED TO WASH VEHICLES WHERE DETERGENTS 3.4. WATER USED TO CONTROL DUST
- 3.5. POTABLE WATER INCLUDING UNCONTAMINATED WATER
- 3.6. ROUTINE EXTERNAL BUILDING WASH DOWN THAT DOES 3.7. PAVEMENT WASH WATERS WHERE SPILLS OR LEAKS OF HAVE NOT OCCURRED (UNLESS ALL SPILLED MATERIAL H
- DETERGENTS ARE NOT USED 3.8. UNCONTAMINATED AIR CONDITIONING OR COMPRESSOR 3.9. UNCONTAMINATED GROUND WATER OR SPRING WATER
- 3.10. FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE N MATERIALS SUCH AS SOLVENTS
- 3.11. UNCONTAMINATED EXCAVATION DEWATERING
- 3.12. LANDSCAPE IRRIGATION 3.13. DECHLORINATED SWIMMING POOL DISCHARGES.
- 4. CONSTRUCTION WASTES: DEMOLITION RUBBLE, PACKAGING SUPPLIES, ETC.
- 4.1. SELECT A DESIGNATED WASTE COLLECTION AREA
- 4.2. PROVIDE LIDS FOR WASTE CONTAINERS 4.3. WHEN POSSIBLE LOCATE CONTAINERS IN COVERED ARE
- 4.4. MAINTAIN CONSISTENT REMOVAL SCHEDULE FOR WASTE
- 5. PESTICIDES: REDUCE THE AMOUNT OF PESTICIDES AVAILABL
- 5.1. STORE IN A DRY COVERED AREA 5.2. INSTALL CURBS OR DIKES AROUND STORAGE AREA TO PI 5.3. STRICTLY FOLLOW RECOMMENDED APPLICATION RATES
- 6. FERTILIZERS AND DETERGENTS: REDUCE THE AMOUNT OF FI AVAILABLE FOR CONTACT WITH STORM WATER

		NOU
20.2. WOOD CELLULOSE MULCH OR WOOD PULP FIBER SHALL BE USED WITH HYDRAULIC SEEDING. IT SHALL BE APPLIED AT A RATE OF 500 POUNDS PER ACRE. DRY STRAW OR DRY HAY SHALL BE APPLIED (AT THE RATE INDICATED ABOVE) AFTER HYDRAULIC SEEDING.	IX. PERMANENT STABILIZATION	RONN RONN RING RING RING RING RING RING RING RI
 20.3. ONE THOUSAND POUNDS OF WOOD CELLULOSE OR WOOD PULP FIBER, WHICH INCLUDES A TACKIFIER, SHALL BE USED WITH HYDRAULIC SEEDING ON SLOPES 3/4:1 OR STEEPER. 20.4. SERICEA LESPEDEZA HAY CONTAINING MATURE SEED SHALL BE APPLIED AT A RATE OF 3 TONS 	NEWLY SEEDED OR SODDED AREAS MUST BE PROTECTED FROM VEHICLE TRAFFIC, EXCESSIVE PEDESTRIAN TRAFFIC, AND CONCENTRATED RUNOFF UNTIL THE VEGETATION IS WELL ESTABLISHED. IF NECESSARY, AREAS MUST BE RE-WORKED AND RE-STABILIZED IF GERMINATION IS SPARSE, PLANT COVERAGE IS	A CAL
PER ACRE. 20.5. PINE STRAW OR PINE BARK SHALL BE APPLIED AT A THICKNESS OF 3 INCHES FOR BEDDING PURPOSES. OTHER SUITABLE MATERIALS IN SUFFICIENT QUANTITY MAY BE USED WHERE	SPOTTY ,OR TOPSOIL EROSION IS EVIDENT. ONE OR MORE OF THE FOLLOWING MAY APPLY TO THE SITE.	CERTIFICATION CERTIFICATION
ORNAMENTALS OR OTHER GROUND COVERS ARE PLANTED. THIS IS NOT APPROPRIATE FOR SEEDED AREAS.	4.1. SEEDED AREAS	· · · · · · · · · · · · · · · · · · ·
 WHEN USING TEMPORARY EROSION CONTROL BLANKETS OR BLACK SOD, MULCH IS NOT REQUIRED. ON SLOPES GREATER THAN 10 FEET IN LENGTH AND 4:1 OR STEEPER, USE THE FOLLOWING 	FOR SEEDED AREAS, PERMANENT STABILIZATION MEANS A 90% COVER OF THE DISTURBED AREA WITH MATURE, HEALTHY PLANTS WITH NO EVIDENCE OF WASHING OR RILLING OF THE TOPSOIL.	NO NO
EROSION CONTROL BLANKETS THAT HAVE BEEN PROPERLY ANCHORED TO THE SLOPE ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS:	4.2. SODDED AREAS	WINNA ENGINEER OF
 2:1 SLOPES OR STEEPER: - STRAW/COCONUT BLANKET OR HIGH VELOCITY WOOD BLANKET 3:1 SLOPES OR STEEPER: - WOOD OR STRAW BLANKET WITH NET ON BOTH SIDES 4:1 SLOPES OR FLATTER: - WOOD OR STRAW MULCH BLANKET WITH NET ON ONE SIDE 	FOR SODDED AREAS, PERMANENT STABILIZATION MEANS THE COMPLETE BINDING OF THE SOD ROOTS INTO THE APPROVED MULCH MATERIAL. 4.3. PERMANENT MULCH	NO 26 AL
II. HOUSEKEEPING	FOR MULCHED AREAS, PERMANENT MULCHING MEANS TOTAL COVERAGE OF THE EXPOSED	MARCH
IESE PERFORMANCE STANDARDS APPLY TO ALL SITES.	AREA WITH AN APPROVED MULCH MATERIAL.	
 PETROLEUM PRODUCTS: INCLUDING OIL, GASOLINE, LUBRICANTS AND ASPHALTIC SUBSTANCES. 1.1. HAVE EQUIPMENT TO CONTAIN AND CLEAN UP PETROLEUM SPILLS IN FUEL STORAGE AREAS 	FOR AREAS STABILIZED WITH RIPRAP, PERMANENT STABILIZATION MEANS THAT SLOPES	DATE
OR ON MAINTENANCE AND FUELING VEHICLES 1.2. STORE IN COVERED AREAS PROTECTED WITH DIKES	STABILIZED WITH RIPRAP HAVE AN APPROPRIATE BACKING OF AN APPROVED GEOTEXTILE TO PREVENT SOIL MOVEMENT FROM BEHIND THE RIPRAP.	
 SPILLS: PREVENTION AND RESPONSE. STORE AND HANDLE MATERIALS TO PREVENT SPILLS 	4.5. DITCHES, CHANNELS, AND SWALES FOR OPEN CHANNELS, PERMANENT STABILIZATION MEANS THE CHANNEL IS STABILIZED WITH	
 2.2. TIGHTLY SEALED CONTAINERS, NEAT AND SECURE STACKING, ETC. 2.3. REDUCE STORM WATER CONTACT IF SPILL OCCURS 2.3.1. CLEANUP PROCEDURES SHOULD BE CLEARLY POSTED. 2.3.2. CLEANUP MATERIALS SHOULD BE READILY AVAILABLE 	MATURE VEGETATION AT LEAST THREE INCHES IN HEIGHT, WITH WELL-GRADED RIPRAP LINING, OR WITH ANOTHER NON-EROSIVE LINING CAPABLE OF WITHSTANDING THE ANTICIPATED FLOW VELOCITIES AND FLOW DEPTHS WITHOUT RELIANCE ON CHECK DAMS TO SLOW FLOW. THERE MUST BE NO EVIDENCE OF SLUMPING OF THE LINING, UNDERCUTTING OF THE BANKS, OR	
2.3.3. STOP THE SOURCE 2.3.4. CONTAIN THE SPILL	DOWN CUTTING OF THE CHANNEL. X. FERTILIZER REQUIREMENTS	
3. NON-STORM WATER DISCHARGES THE FOLLOWING NON-STORMWATER DISCHARGES MUST BE PROTECTED FROM CAUSING	1. TEMPORARY SEEDING FERTILIZER	SION
POLLUTION OR EROSION:	APPLY A MINIMUM OF 500 LBS PER ACRE OF A COMPLETE 10-10-10 FERTILIZER (11.5 POUNDS PER 1000 SQUARE FEET) OR EQUIVALENT DURING TEMPORARY SEEDING OF GRASSES UNLESS A SOIL	REVISIONS
3.2. FIRE HYDRANT FLUSHINGS3.3. WATERS USED TO WASH VEHICLES WHERE DETERGENTS ARE NOT USED	TEST INDICATES A DIFFERENT REQUIREMENT. INCORPORATE FERTILIZER AND LIME (IF USED) INTO THE TOP 4-6 INCHES OF THE SOIL BY DISKING OR OTHER MEANS WHERE CONDITIONS ALLOW. LIME IS NOT REQUIRED FOR TEMPORARY SEEDING UNLESS A SOIL TEST SHOWS THAT THE SOIL PH IS	
 3.4. WATER USED TO CONTROL DUST 3.5. POTABLE WATER INCLUDING UNCONTAMINATED WATER LINE FLUSHINGS 3.6. ROUTINE EXTERNAL BUILDING WASH DOWN THAT DOES NOT USE DETERGENTS 	BELOW 5.0. IT IS DESIRABLE TO APPLY LIME DURING THE TEMPORARY SEEDING OPERATION TO BENEFIT THE LONG-TERM PERMANENT SEEDING. APPLY A MINIMUM OF 1.5 TONS OF LIME / ACRE (70LBS. / 1000 SQ. FT.).	
3.7. PAVEMENT WASH WATERS WHERE SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED (UNLESS ALL SPILLED MATERIAL HAS BEEN REMOVED) AND WHERE	2. PERMANENT SEEDING FERTILIZER	
DETERGENTS ARE NOT USED 3.8. UNCONTAMINATED AIR CONDITIONING OR COMPRESSOR CONDENSATE 3.9. UNCONTAMINATED GROUND WATER OR SPRING WATER	APPLY A MINIMUM OF 1000 LBS PER ACRE OF A COMPLETE 10-10-10 FERTILIZER (23 POUNDS PER 1000 SQUARE FEET) OR EQUIVALENT DURING PERMANENT SEEDING OF GRADES UNLESS A SOIL TEST INDICATES A DIFFERENT REQUIREMENT. INCORPORATE FERTILIZER AND LIME (IF USED) INTO	
 3.10. FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS SUCH AS SOLVENTS 3.11. UNCONTAMINATED EXCAVATION DEWATERING 	THE TOP 4-6 INCHES OF THE SOIL BY DISKING OR OTHER MEANS WHERE CONDITIONS ALLOW. DO NOT MIX THE LIME AND THE FERTILIZER PRIOR TO THE FIELD APPLICATION. UNLESS A SPECIFIC	ON NOT
3.12. LANDSCAPE IRRIGATION 3.13. DECHLORINATED SWIMMING POOL DISCHARGES.	SOIL TEST INDICATES OTHERWISE, APPLY 1 & 1/2 TONS OF GROUND COARSE TEXTURED AGRICULTURAL LIMESTONE PER ACRE (70 LBS. / 1000 SQ.FT.).	D ansulting
 CONSTRUCTION WASTES: DEMOLITION RUBBLE, PACKAGING MATERIALS, SCRAP BUILDING SUPPLIES, ETC. 	XI. SWPP PREPARER CERTIFICATION	H Ŭ 8/
4.1. SELECT A DESIGNATED WASTE COLLECTION AREA4.2. PROVIDE LIDS FOR WASTE CONTAINERS	I HAVE PLACED MY SIGNATURE AND SEAL ON THE DESIGN DOCUMENTS SUBMITTED SIGNIFYING THAT I ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE SYSTEM. FURTHER, I CERTIFY TO THE BEST OF MY	LUT I GIS 1 GIS 3.451.6
4.3. WHEN POSSIBLE LOCATE CONTAINERS IN COVERED AREA4.4. MAINTAIN CONSISTENT REMOVAL SCHEDULE FOR WASTE	KNOWLEDGE AND BELIEF THAT THE DESIGN IS CONSISTENT WITH THE REQUIREMENTS OF TITLE 48, CHAPTER 14 OF THE CODE OF LAWS OF SC, 1976 AS AMENDED, PURSUANT TO REGULATION 72-300 ET SEQ. (IF APPLICABLE), AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF SCR100000.	 Suite 1 danning L 803.4
5. PESTICIDES: REDUCE THE AMOUNT OF PESTICIDES AVAILABLE FOR CONTACT WITH STORM WATER.	(IF APPLICABLE), AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF SCR 100000.	Veying I Plar Street • 29201 •
 5.1. STORE IN A DRY COVERED AREA 5.2. INSTALL CURBS OR DIKES AROUND STORAGE AREA TO PROTECT AGAINST SPILLS 5.3. STRICTLY FOLLOW RECOMMENDED APPLICATION RATES 		HOMAS & HUT gineering I Surveying I Planning I GIS 1 1501 Main Street • Suite 760 Jumbia, SC 29201 • 803.451.6 www.thomasandhutton.com
6. FERTILIZERS AND DETERGENTS: REDUCE THE AMOUNT OF FERTILIZERS AND DETERGENTS AVAILABLE FOR CONTACT WITH STORM WATER.		THOMA Engineering I Surv 1501 Main S Columbia, SC www.thom
6.1. LIMIT APPLICATION OF FERTILIZERS TO THE MINIMUM NEEDED6.2. APPLY MORE FREQUENTLY BUT AT LOWER APPLICATION RATES		Engin ≤ 15
 6.3. LIMIT USE OF DETERGENTS ON-SITE 6.4. DO NOT DISCHARGE WASH WATER INTO STORM WATER SYSTEM 6.5. MAINTAIN STRUCTURAL AND VEGETATIVE BMP'S 		
6.6. APPLY ACCORDING TO SOIL TEST RECOMMENDATIONS PRIOR TO SEEDING.		
1. SOD:		Î
ALL SOD SHALL BE NURSERY GROWN AS CLASSIFIED IN THE ASPS GSS. MACHINE CUT SOD AT A UNIFORM THICKENS OF 3/4" WITHIN A TOLERANCE OF 1/4", EXCLUDING TOP GROWTH AND THATCH. EACH INDIVIDUAL SOD PIECE SHALL BE STRONG ENOUGH TO SUPPORT ITS OWN WEIGHT WHEN LIFTED BY THE ENDS. BROKEN PODS, IRREGULARLY SHAPED PIECES, AND TORN OR UNEVEN ENDS WILL BE REJECTED. WOOD PEGS AND / OR WIRE STAPLES SHALL REPLACE SOD WITH AN EQUAL SOD COMPOSITION AS THAT WHICH IS EXISTING. IF NO SOD TYPE EXIST. THEN THE FOLLOWING SOD COMPOSITION SHALL BE USED.		ELOCATIO ES
2. SODDING SCHEDULE:		
LAY SOD FROM MAY 1 TO SEPTEMBER 15 FOR SPRING PLANTING AND FROM SEPTEMBER 15 TO NOVEMBER 1 FOR FALL PLANTING.		
 SEED: ALL SEED SHALL CONFORM TO ALL STATE LAWS AND TO ALL REQUIREMENTS AND REGULATIONS 		CO SOUTH OCKF
OF THE SOUTH CAROLINA DEPARTMENT OF AGRICULTURE. THE SEVERAL VARIETIES OF SEED SHALL BE INDIVIDUALLY PACKAGED OR BAGGED, AND TAGGED TO SHOW NAME OF SEED, NET WEIGHT, ORIGIN, GERMINATION, LOT NUMBER, AND OTHER INFORMATION REQUIRED BY THE DEPARTMENT OF AGRICULTURE.		
3.1. PENNISETUM GLAUCIUM (BROWNTOP MILLET): TESTING 98 PERCENT PURITY AND 85 PERCENT GERMINATION.		(SOIL ON C
 3.2. BERMUDA COMMON: TESTING 98 PERCENT PURITY AND 85 PERCENT GERMINATION. 3.3. DOMESTIC ITALIAN RYE: TESTING 98 PERCENT PURITY AND 90 PERCENT GERMINATION. 		CALF CALHOUN CALHOUN CALHOUN CALHOUN
4. MISCELLANEOUS:4.1. PERMANENT SEEDING SHALL COVER ALL DISTURBED AREA NOT TO BE COVERED BY		ERC
LANDSCAPE PLANTING BEDS, STRUCTURE, OR PAVEMENT. 4.2. SEED ALL DISTURBED AREAS WITHIN SEVEN DAYS OF FINAL GRADING AND TEMPORARY SEED (MULL CHI ALL AREAS THAT WILL BE LEET INACTIVE FOR MORE THAN FOURTEEN (14) DAYS		8 CF
 SEED/MULCH ALL AREAS THAT WILL BE LEFT INACTIVE FOR MORE THAN FOURTEEN (14) DAYS. 4.3. ALL PERMANENT GRASS PLANTINGS SHALL BE MULCHED 4.4. CENTIPEDE SOD CAN BE USED AS PERMANENT COVER ANYTIME EXCEPT JUNE THRU OCTOBER 		A S.
4.5. IF GRASSING OCCURS DURING A MONTH REQUIRING TEMPORARY COVER, THE CONTRACTOR SHALL APPLY PERMANENT COVER (IN ADDITION TO THE TEMPORARY COVER) AT THE APPROPRIATE TIME AT NO NO ADDITIONAL COST. THE CONTRACTOR MUST ACHIEVE A STRAND OF PERMANENT		Σ
GRASS WITH AT LEAST 95% COVER. BARE SPOTS CAN NOT BE MORE THAN 1 INCH SQUARE IN ANY 10 SF.		JOB NO: J-26319.0000 DATE: 03/10/2017
		DRAWN: MSK DESIGNED: MSK
		REVIEWED: MBS APPROVED: MBS SCALE: N/A

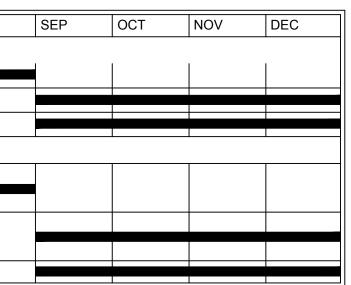
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				TEN	IPORARY	SEEDING	- COASTA	AL.	
SPECIES	LBS/AC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
	·		·		SANDY, D	ROUGHT	Y SITES		
BROWNTOP MILLET	40								
RYE, GRAIN	56								
RYEGRASS	50								
	•	·	•	WELL	DRAINED,	CLAYEY/L	OAMEY S	ITES	
BROWNTOP MILLET	40								
JAPANESE MILLET	40								
RYE, GRAIN	56								
OATS	75								
RYEGRASS	50								

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				PE	RMANENT	SEEDING	- COASTA	L					
SPECIES	LBS/AC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
					SANDY, D	ROUGHT	Y SITES						
BROWNTOP MILLET	10												
BAHIAGRASS	40												
BROWNTOP MILLET	10												
BAHIAGRASS	30												
SERICEA LESPEDEZA	40												
BROWNTOP MILLET	10												
ATLANTIC COASTAL	15												
PANICGRASS	PLS												
BROWNTOP MILLET	10												
SWITCHGRASS	8												
(ALAMO)	PLS												
LITTLE BLUESTEM	4												
SERICEA LESPEDEZA	20												
BROWNTOP MILLET	10												
WEEPING LOVEGRASS	8							-					
				WELL	DRAINED,	CLAYEY/L	OAMEY SI	ITES					
BROWNTOP MILLET	10												
BAHIAGRASS	40												
RYE, GRAIN	10												
BAHIAGRASS	40												
CLOVER, CRIMSON (ANNUAL)	5												
BROWNTOP MILLET	10												
BAHIAGRASS	30												
SERICEA LESPEDEZA	40												
BROWNTOP MILLET	10												
BERMUDA, COMMON	10												
SERICEA LESPEDEZA	40												
BROWNTOP MILLET	10												
BERMUDA, COMMON	12												
KOBE LESPEDEZA (ANNUAL)	10												
BROWNTOP MILLET	10												
BAHIAGRASS	20												
BERMUDA, COMMON	6												
SERICEA LESPEDEZA	40												
BROWNTOP MILLET	10												
SWITCHGRASS	8												
LITTLE BLUESTEM	PLS												
INDIANGRASS	3												

STORMWATER POLLUTION PREVENTION PLAN



EROSION CONTROL LEGEND DESCRIPTION PLAN SYMBOL SILT FENCE CLEARING LIMITS ----- CL ------ CL -----TEMPORARY DIVERSION ⇒TD⇒ TEMPORARY SEEDING (PS)PERMANENT SEEDING EROSION CONTROL BLANKET OR TURF REINFORCEMENT MAT RIPRAP SEDIMENT BASIN \blacksquare POROUS BAFFLES STABILIZED CONSTRUCTION ENTRANCE

CONSTRUCTION SEQUENCE

- RECEIVE NPDES COVERAGE FROM DHEC.
 ON-SITE PRE-CONSTRUCTION MEETING.
- 3. NOTIFY DHEC EQC REGIONAL OFFICE 48 HOURS PRIOR TO BEGINNING LAND-DISTURBING
- ACTIVITIES. 4. INSTALLATION OF CONSTRUCTION ENTRANCE (MUST BE DONE PRIOR TO INSTALLATION OF
- PERIMETER CONTROLS).

- FLAG ALL BUFFER ZONES (MUST BE DONE PRIOR TO PERIMETER CONTROL PLACEMENT AND BEFORE CONSTRUCTION COMMENCES).
 CLEARING & GRUBBING ONLY AS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS
- INSTALLATION OF PERIMETER CONTROLS.
 CLEARING & GRUBBING ONLY IN AREAS OF SEDIMENT BASINS.
 INSTALLATION OF SEDIMENT BASINS AND INSTALLATION OF DIVERSIONS TO THOSE STRUCTURES.
- AREAS DRAINING TO THESE STRUCTURES CANNOT BE DISTURBED UNTIL THE STRUCTURES AND DIVERSIONS TO THE STRUCTURES ARE COMPLETELY INSTALLED. 10. CLEARING & GRUBBING OF THE REMAINDER OF THE SITE.
- CONTRACTOR TO PROCEED WITH SOIL STOCKPILE RELOCATION AND ASSOCIATED MASS GRADING ACTIVITIES. PERFORM ACTIVITIES PER DHEC APPROVED SWPPP.
 INITIAL DITCH CONVEYANCES AND STABILIZE SLOPES IN CONSTRUCTION WITH GRADING. INSTALL
- EROSION CONTROL MAT ALONG SLOPES PER PLANS. 13. SURFACE STABILIZATION - TEMPORARY AND PERMANENT SEEDING, TOPSOILING, AND RIPRAP.
- 14. FINAL STABILIZATION TOPSOILING, PERMANENT SEEDING, AND RIPRAP 15. CLEAN-OUT OF SEDIMENT BASINS.
- 16. REMOVAL OF TEMPORARY SEDIMENT & EROSION CONTROL MEASURES AFTER ENTIRE AREA DRAINING TO THE STRUCTURE IS FINALLY STABILIZED.
- 17. SUBMIT NOTICE OF TERMINATION (NOT) TO DHEC AS APPROPRIATE.
- CONTINUE MAINTENANCE OF EROSION CONTROL MEASURES UNTIL SITE STABILIZED.
 TEMPORARY SEDIMENT BASIN TO REMAIN IN PLACE UNTIL FUTURE DEVELOPMENT OF THE
- PROPERTY.

LIST OF ACRONYMS FOR SEDIMENT AND EROSION CONTROL

AASHTO AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS ACRYLAMIDE POLYMER AMD BFM BONDED FIBER MATRIX BMP(S) BEST MANAGEMENT PRACTICE(S) CFS CUBIC FEET PER SECOND CORRUGATED METAL PIPE CMP DEPARTMENT OF HEATH AND ENVIRONMENTAL CONTROL DHEC ECB EROSION CONTROL BLANKET EPA UNITED STATES ENVIRONMENTAL PROTECTION AGENCY EPSC EROSION PREVENTION AND SEDIMENTATION CONTROL FDA UNITED STATES FOOD AND DRUG ADMINISTRATION FGM FLEXIBLE GROWTH MATRIX HDPE HIGH DENSITY POLYETHYLENE MS4 MUNICIPAL SEPARATE STORM SEWER SYSTEM MSDS MATERIAL SAFETY DATA SHEETS NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM NPDES PAM POLYACRYLAMIDE OR POLYMER RCP REINFORCED CONCRETE PIPE SCS SOIL CONSERVATION SERVICE STORMWATER POLLUTION PREVENTION PROGRAM SWPPP TRM TURF REINFORCEMENT MAT VFS VEGETATED FILTER STRIP

