

PREPARED FOR:

OVERALL SAND SURFACE MINE MAP **MONROE TRACT** JASPER COUNTY, SOUTH CAROLINA

OCTOBER 2024

RES		63.2 AC.
RES		25.0 AC.
	17.0 AC.	
	I.8 AC.	
	2.9 AC.	
3	3.3 AC.	
IAND	S	38.2 AC.



50 Park of Commerce Way Savannah, GA 31405 • 912.234.5300

www.thomasandhutton.com

This map illustrates a general plan of the development which is for discussion purposes only, does not limit or bind the owner/developer, and is subject to change and revision without prior written notice to the holder. Dimensions, boundaries and position locations are for illustrative purposes only and are subject to an accurate survey and property description.

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RECLAMATION MAP MONROE TRACT JASPER COUNTY, SOUTH CAROLINA

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A.	PROJ	ECT DESCRIPTION		
	A.1. ∡ 2	PROJECT AREA	63 ACRES	:
	A.2. A.3.	PERCENT IMPERVIOUS AREA BEFORE C	CONSTRUCTION 5 %	I
	A.4. A.5.	RUNOFF COEFFICIENT BEFORE CONSTI PERCENT IMPERVIOUS AREA AFTER CC	RUCTION75 CNDNSTRUCTION47 %	:
_	A.6.	RUNOFF COEFFICIENT AFTER CONSTRU	JCTION 88 CN	
В.	DESC WOR	RIPTION OF CONSTRUCTION ACTIVITY { CONSISTS OF: CLEARING & GRADING. I	MINING OPERATIONS, EROSION CONTROL, AND	
_	REHA	BILITATION ASSOCIATED WITH DEVELOP	MENT.	
C.	C.1.	SOIL CLASSIFICATIONS:		
	0			
		SYMBOL / NAME (HY Ae / ARGENT (C, Ee / EULONIA (C NeB / NEMOURS (D	<u>′DR. GROUP)</u> /D))	
		Cs / COOSAW (A) Wn / WILLIMAN (B/) D)	ш
D	C.2. RECE	LAND USE(S):	WEILAND, OPEN SPACE, DIRT ROAD, PONDS	
	D.1.	CLOSEST RECEIVING WATERS:	MONKEY JOHN SWAMP / WRIGHT RIVER	
_	D.2.	ULTIMATE RECEIVING WATERS:	ATLANTIC OCEAN	
⊑.	E.1.	FEMA FLOOD ZONE(S):	ZONE X	
	E.2.	FEMA FLOOD INSURANCE MAP(S):	45053C0500D	
С	ONTF	ROL MEASURES		
1.	EROS	ION AND SEDIMENT CONTROLS		
	PR	OR TO START OF CONSTRUCTION, ALL E	XTERIOR SILT FENCE WILL BE INSTALLED AS SHOWN	I
	ON	THE PLANS.		
	1.1. C	CLEARING		
	1.1.1.	AS CLEARING IS COMPLETED, ADDITION	VAL SILT FENCE WILL BE INSTALLED WHERE	
	1 4 0	WHERE EXCESSIVE RUNOFF VELOCITIE	ES MAY OCCUR.	
	1.1.2. 1.1.3.	CONSTRUCTION DELAYS IN ANY ONE A	REA GREATER THAN 14 DAYS PRIOR TO START OF	_
		KOUGH GRADING WILL MANDATE STAB STABILIZATION INCLUDE MULCHING AN	ILIZATION PROCEDURES. ACCEPTABLE METHODS OF D TEMPORARY SEEDING.	-
	1.1.4.	MAINTAIN EXISTING VEGETATION WHEN DISTURBANCE. RETAIN AND PROTECT	VEVER POSSIBLE AND MINIMIZE THE AREA OF TREES TO ENHANCE FUTURE LANDSCAPING EFFORT	S
	115	AND REDUCE RAINDROP IMPACT.		
	1.1.0.	ACTIVITIES.		
	1.1.0.	WILL ALSO ALLOW COMPLETED AREAS	TO BE STABILIZED AND RE-VEGETATED BEFORE)
		DISTURBING ADJACENT SITES. THE NE MAY BE AVOIDED BY COMPLETING A PH	ED FOR TEMPORARY EROSION CONTROL MEASURES IASE AND INSTALLING PERMANENT EROSION	6
	117	CONTROL MEASURES WHEN THE FINAL MAINTAIN AND PROTECT ALL NATURAL	. GRADE IS ATTAINED. WATERWAYS RETAIN AT LEAST A 35-FOOT	
		UNDISTURBED BUFFER OF NATURAL VE	EGETATION ALONG ALL WATERWAYS TO FILTER OUT	:
		SENSITIVE WATERS.	MAINTAIN A 45-FOOT UNDISTURBED BUFFER AROUND)
	1.1.8.	INSTALL SILT FENCE (OR BIO ROLLS/RO PERIMETER OF ALL DISTURBED AREAS	ICK SOCK PRODUCTS) ON THE DOWN-SLOPE PRIOR TO ANY SOIL DISTURBING ACTIVITIES	
		(INCLUDING CLEARING AND GRUBBING) FEET PER LINEAL FOOT OF FENCE, INS). SILT FENCE CAN TREAT A MAXIMUM OF 100 SQUAR TALL SILT FENCE IN SHORTER REACHES ON THE	E
		CONTOUR WITH EACH END TURNED UP	-SLOPE . SWALES AND SHORELAND AREAS SHOULD	
	1.1.9.	IN AREAS OF CONCENTRATED FLOW IN	STALL STRAW BALE CHECKS, ROCK CHECK DAMS,	
		TRIANGULAR DIKES, BIO ROLL BLANKET SEDIMENT.	TS, OR ROCK SOCKS TO SLOW RUNOFF AND TRAP	
	1.1.10	. USE TEMPORARY SLOPE DRAINS OR RO	OCK CHUTES TO MOVE WATER DOWN STEEP SLOPES	6.
	1.1.11	. CONSTRUCT SEDIMENT BASINS FOR DE	RAINAGE AREAS GREATER THAN 10 ACRES	
	12 5			
	4.0.4			IV.
	1.2.1.	GREATER THAN 14 DAYS PRIOR TO STA	RT OF NEXT ACTIVITY WILL MANDATE STABILIZATION	1
		PROCEDURES. ACCEPTABLE METHODS TEMPORARY SEEDING.	S OF STABILIZATION INCLUDE MULCHING AND	
	1.2.2.	ALL AREAS NOT SUBJECT TO FURTHER ROADS, WATER DISTRIBUTION SYSTEM	CONSTRUCTION (DRAINAGE, SANITARY SEWER, S, OR STORM WATER FACILITIES) SHALL BE GRASSE	D
	100	WITH A PERMANENT COVER.		
	1.2.3.	USE A TEMPORARY SEED MIX. USE STO	OCKPILED TOPSOIL AS EARTHEN BERMS TO SERVE A	S
	1.3. г	TEMPURARY SEDIMENT BASINS. RAINAGE		
	L			
	1.3.1. 1.3.2.	CONSTRUCTION DRAINAGE WILL BE RC	DUTED THROUGH LAKES, WHICH WILL ACT AS	
	1.3.3.	SEDIMENT BASINS OR OTHER ACCEPTA STORM DRAIN INLET PROTECTION AS S	ABLE SEDIMENT BASINS/TRAPS. HOWN ON DETAIL SHEET SHALL BE INSTALLED ON AI	LL
	1.3.4.	CURB INLETS, STORM DRAIN MANHOLE DELAYS OF GREATER THAN 14 DAYS PF	S, JUNCTION BOXES, AND GRATE INLETS. RIOR TO START OF THE NEXT CONSTRUCTION	
		SEQUENCE WILL MANDATE STABILIZATI	ION PROCEDURES. ACCEPTABLE METHODS OF	
	1.3.5.	ALL STORM LINES NOT IN STREETS OR	OTHER PAVED AREAS ARE TO BE MULCHED AND	
	1.4. V	VASTE DISTRIBUTION SYSTEM INSTALLA	HON	
	1.4.1.	ALL EXISTING CONTROLS WILL BE MAIN DISTRIBUTION SYSTEM.	ITAINED DURING INSTALLATION OF THE WATER	
	1.4.2.	DELAYS OF GREATER THAN 14 DAYS PE	RIOR TO START OF NEXT ACTIVITY WILL MANDATE	
		MULCHING AND TEMPORARY SEEDING.		
	1.5. V	VASTEWATER COLLECTION SYSTEM INST	TALLATION	V
	1.5.1.	ALL EXISTING CONTROLS WILL BE MAIN	ITAINED DURING INSTALLATION OF THE WASTEWATE	R v.
	152	SYSTEM. DELAYS OF GREATER THAN 14 DAVS DE	RIOR TO START OF NEXT ACTIVITY WILL MANDATE	
	۰.J.Z.	STABILIZATION PROCEDURES. ACCEPT	FABLE METHODS OF STABILIZATION INCLUDE	
		WULGHING AND TEMPURARY SEEDING.		VI.
	1.6. C	CONSTRUCTION OF ROADS		v I.
	1.6.1.	ALL EXISTING CONTROLS WILL BE MAIN DELAYS OF GREATER THAN 14 DAYS DE	ITAINED DURING ROAD CONSTRUCTION. RIOR TO START OF NEXT ACTIVITY WILL MANDATE	
	1.11	STABILIZATION PROCEDURES. ACCEPT		
	1.0.2.	MUL OLINIO AND TEMPODARY OFFE	ABLE METHODS OF STABILIZATION INCLUDE	
	1.7.	MULCHING AND TEMPORARY SEEDING.	ABLE METHODS OF STABILIZATION INCLUDE	
	1.7. 0	MULCHING AND TEMPORARY SEEDING.		:

1.7.2. ANY AREAS THAT ERODE OR WHERE GRASS DOES NOT ESTABLISH ITSELF SHALL BE RE-GRADED AND RE-GRASSED

STORM WATER MANAGEMENT

- IOFF FROM THIS PROJECT WILL DISCHARGE INTO A STORM WATER MANAGEMENT SYSTEM. TREATMENT WILL OCCUR IN STORM WATER DETENTION PONDS.
- OTHER CONTROLS

WASTE DISPOSAL

- 3.1.1. NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED TO ANY
- RECEIVING WATERS. 3.1.2. OFFSITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF DUST SHALL BE
- MINIMIZED 3.1.3. THIS PLAN SHALL COMPLY WITH STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER
- OR SEPTIC SYSTEM REGULATIONS. 3.1.4. DUST CONTROL ON DISTURBED AREAS - CONTROLLING SURFACE AND AIR MOVEMENT OF DUST
- ON CONSTRUCTION SITE AND HAUL ROUTES. THE PURPOSE OF THE MEASURE IS TO REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES, WHICH MAY BE HARMFUL OR INJURIOUS TO HUMAN HEALTH, WELFARE OR SAFETY, OR TO ANIMALS OR PLANT LIFE.

AINTENANCE

- MAINTENANCE PROGRAM THE SITE SUPERINTENDENT, OR HIS/HER REPRESENTATIVE, SHALL MAKE VISUAL INSPECTIONS OF ALL MECHANICAL CONTROLS AND NEWLY STABILIZED AREAS (I.E. SEEDED AND MULCHED AND/OR SODDED AREAS) ON A DAILY BASIS: ESPECIALLY AFTER HEAVY RAINFALL EVENT TO INSURE THAT ALL CONTROLS ARE MAINTAINED AND PROPERLY FUNCTIONING, ANY DAMAGED CONTROLS SHALL BE REPAIRED PRIOR TO THE END OF THE WORK DAY INCLUDING RE-SEEDING AND MULCHING OR RE-SODDING IF NECESSARY.
- EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION 10. LITTER. CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED TREAT THE SEDIMENT SOURCE ALL DRAINAGE SWALES POCKETS DEPRESSION LOW LINES FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES AND OUTLET DITCHES SHALL DRAIN EFFECTIVELY AT ALL TIMES. SETTLEMENT OR WASHING THAT MAY OCCUR SHALL BE REPAIRED BY THE CONTRACTOR. SEDIMENT WILL BE REMOVED 11 A COPY OF THE SWPPP INSPECTION RECORDS AND RAINFALL DATA MUST BE RETAINED AT THE FROM BEHIND THE SEDIMENT FENCE WHEN IT REACHES 1/3 THE HEIGHT OF THE FENCE. THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN AN EFFECTIVE BARRIER. HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED. 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. 12. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED, OR TACKED ONTO LAND DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT PUBLIC ROADWAYS. RESEED AND MULCH AREA WHERE SEEDING EMERGENCE IS POOR, OR RESUME FOR A PERIOD OF 7 CALENDAR DAYS. WHERE EROSION OCCURS. PROTECT FROM TRAFFIC AS MUCH AS POSSIBLE. INSPECT ALL MULCHES PERIODICALLY, AND AFTER RAINSTORMS TO CHECK FOR EROSION, DISLOCATION OF 13. MINIMIZE SOIL COMPACTION IN AREAS NOT UNDER PAVEMENTS AND /OR STRUCTURES AND, FAILURE. IF WASHOUT OCCURS. REPAIR THE SLOPE GRADE. RESEED AND REINSTALL MULCH. UNLESS INFEASIBLE, PRESERVE TOPSOIL. FOLLOW THE CONSTRUCTION SEQUENCE THROUGHOUT THE PROJECT DEVELOPMENT, WHEN CHANGES IN CONSTRUCTION ACTIVITIES ARE NEEDED, AMEND THE SEQUENCE SCHEDULE IN 14. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL ADVANCE TO MAINTAIN MANAGEMENT CONTROL. IF MAJOR CHANGES ARE NECESSARY, SEND A 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. COPY OF THE MODIFIED SCHEDULE TO THE ENGINEER. SEDIMENT AND EROSION CONTROL MEASURES WILL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE DISTURBED AREAS ARE 15. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED STABILIZED. AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPS (SEDIMENT BASIN, SILT FENCE FILTER BAG. ETC.).

SILT FENCES WILL BE MONITORED DURING CONSTRUCTION. ANY SILT FENCE WHICH IS NOT FUNCTIONING PROPERLY WILL BE PROMPTLY REPAIRED. CLEAN OUT THE SILT FENCE WHEN IT REACHES 1/3 THE HEIGHT OF THE FENCE OR REPLACE WITH FUNCTIONAL SILT FENCE WITHIN 24 HOURS. USE OF HOSES AND WATER TO FLUSH THE SEDIMENT INTO THE STORM INLETS IS **UNACCEPTABLE**

SEDIMENTATION BASINS

SEDIMENTATION BASINS WHICH ARE AT 50% USED CAPACITY OR APPROACHING SUCH CAPACITY SHALL BE RE-EXCAVATED TO ORIGINAL DIMENSIONS AND THE SILT PROPERLY DISPOSED OF. SEDIMENT LOGS/ROLLS

- SEDIMENT LOGS/ROLLS OR OTHER CONTROL MEASURES WHICH BEGIN TO DISINTEGRATE OR FUNCTION INEFFECTIVELY SHALL BE PROMPTLY REPLACED. VEGETATION COVER
- ANY VEGETATION COVER SERVING TO STABILIZE DISTURBED SOILS WHICH IS ITSELF DISTURBED SHALL IMMEDIATELY BE REPLACED
- CONSTRUCTION ENTRANCE MAINTAIN ROCK CONSTRUCTION ENTRANCE AND CLEAN ADJACENT ROADS OF ANY MUD

SPECTIONS

TRACKED ONTO THEM.

- VII. EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES QUALIFIED PERSONNEL WILL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE. AREAS SED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION THAT HAVE NOT BEEN 1. THE IMPLEMENTATION OF THESE EROSION SEDIMENT CONTROL (ESC) PLANS AND THE FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE ENTER OR EXIT THE SITE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS. WHERE SITES HAVE BEEN FINALLY STABILIZED SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED. MONTH DURING THE WARRANTY PERIOD.
- DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING.
- WRITTEN REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, WEATHER INFORMATION FOR THE PERIOD SINCE THE LAST INSPECTION (OR SINCE COMMENCEMENT OF ONSTRUCTION ACTIVITY) INCLUDING A BEST ESTIMATE OF THE BEGINNING OF EACH STORM EVENT, DURATION OF EACH STORM EVENT, APPROXIMATE AMOUNT OF RAINFALL FOR EACH STORM VENT (IN INCHES) AND WHETHER ANY DISCHARGES OCCURRED, LOCATION(S) OF DISCHARGES OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE, LOCATION(S) OF BMP'S THAT NEED MAINTENANCE. LOCATION(S) OF BMP'S THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION, LOCATION(S) WHERE ADDITIONAL BMP'S ARE NEEDED THAT DID NOT EXIST AT THE TIME OF INSPECTION AND ANY CORRECTIVE ACTION REQUIRED INCLUDING ANY CHANGES TO SWPPP NECESSARY AND IMPLEMENTATION DATES.
- THE REPORT SHALL BE MAINTAINED AT LEAST THREE YEARS FROM THE DATE THE SITE IS FINALLY STABILIZED. THE REPORT MUST BE SIGNED AND SHALL CONTAIN A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN AND THE NPDES PERMIT REFERENCED ABOVE. THE CONTRACTOR SHALL MAINTAIN THIS REPORT. THE REPORT SHALL BE SUBMITTED TO THE ENGINEER AND OWNER.
- NG TERM MAINTENANCE OF DRAINAGE AND STORM WATER NAGEMENT SYSTEM

THE ROADS AND DRAINAGE SYSTEM WILL BE OWNED AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION AFTER CONSTRUCTION IS COMPLETE.

DHEC STANDARD NOTES

- NECESSARY, SLOPES WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO GRASSING / HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- TABILIZATION 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 FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED
- WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
- WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
- 3. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF SITE INSPECTIONS IDENTIFY BMP'S THAT ARE DAMAGED OR ARE NOT OPERATING

STORMWATER POLLUTION PREVENTION PLAN

- EFFECTIVELY, MAINTENANCE MUST BE PERFORMED AS SOON AS PRACTICAL OR AS REASONABLY POSSIBLE BEFORE THE NEXT STORM EVENT WHENEVER PRACTICAL
- 4. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED INTO ANY WATERS OF THE STATE.
- 5. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED
- THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO THE PAVED ROADWAY FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT AS MAY BE REQUIRED.
- 7. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 AND SCR100000.
- 8. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
- 9. ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN NOT BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS

- 16. THE FOLLOWING DISCHARGES ARE PROHIBITED:
- 16.1. WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL:
- 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 REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
- 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 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
- 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.
- 6. 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.
- 7. 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 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

- 11. THE CONTRACTOR SHALL FLUSH ALL INLETS AND PIPE AT THE COMPLETION OF CONSTRU REMOVE SILT AND DEBRIS. THE CLEANING AND FLUSHING OF INLETS AND PIPE (EXISTING A 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 TRAVERSE CONSTRUCTION EXITS TO REMOVE MUD FROM TIRES.
- 13. SCHEDULE CONSTRUCTION ACTIVITIES TO MINIMIZE THE EXPOSED AREA AND DURATION EXPOSURE. IN SCHEDULING, TAKE INTO ACCOUNT THE SEASON AND THE WEATHER FORE
- 14. EROSION CONTROL MEASURES ARE THE MINIMUM REQUIRED. THE CONTRACTOR SHALL I ADDITIONAL CONTROL MEASURES AS DICTATED BY ACTUAL FIELD CONDITIONS AT THE TI CONSTRUCTION IN ORDER TO PREVENT EROSION AND CONTROL SEDIMENT. EROSION AN SEDIMENT CONTROL MEASURES WILL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE E PROJECT IS TERMINATED OR SUSPENDED FOR AND INDEFINITE LENGTH OF TIME, ALL DIS AREAS SHALL BE PLANTED WITH PERMANENT VEGETATION.
- 15. THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS, OR IN AI INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, IS 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 THOMAS & HUTTON. OR THE OWNER IN ANY WAY.
- 16. CONTRACTOR SHALL MAINTAIN SITE ON A DAILY BASIS TO PROVIDE FOR POSITIVE DRAINA CONTRACTOR, AT HIS COST, SHALL GRADE SITE AND PROVIDE NECESSARY TEMPORARY SWALES TO INSURE STORM WATER DOES NOT POND ON SITE
- 17. SITE DRAINAGE SHALL BE ESTABLISHED TO PREVENT ANY PONDED WATER CONDITIONS THE CONSTRUCTION AREA AND TO FACILITATE STORM WATER DISCHARGE.
- 18. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRE LAND DISTURBING ACTIVITIES.
- 19. LIME RATES AND ANALYSIS:
- 19.1. AGRICULTURAL LIME SHALL BE APPLIED AT THE RATE SHOWN IN THE SEEDING SECTI UNLESS SOIL TESTS INDICATE OTHERWISE. GRADED AREAS REQUIRE LIME APPLICAT LIME IS APPLIED WITHIN SIX MONTHS OF PLANTING PERMANENT PERENNIAL VEGETA ADDITIONAL LIME IS NOT REQUIRED. AGRICULTURAL LIME APPLICATION SHALL BE WIT SPECIFICATIONS OF THE SOUTH CAROLINA DEPARTMENT OF AGRICULTURE.
- 20. MULCHING
- MULCHING IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. MULCH APPLI SEEDED AREAS SHALL ACHIEVE 75% SOIL COVER. SELECT THE MULCHING MATERIAL FROM FOLLOWING AND APPLY AS INDICATED
- 20.1. DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS CAN BE USED STRAW SHALL BE APPLIED AT THE RATE OF TWO TONS PER ACRE. DRY HAY SHALL BE AT THE RATE OF 2 1/2 TONS PER ACRE.
- 20.2. WOOD CELLULOSE MULCH OR WOOD PULP FIBER SHALL BE USED WITH HYDRAULIC S IT SHALL BE APPLIED AT A RATE OF 500 POUNDS PER ACRE. DRY STRAW OR DRY HAY APPLIED (AT THE RATE INDICATED ABOVE) AFTER HYDRAULIC SEEDING.
- 20.3. ONE THOUSAND POUNDS OF WOOD CELLULOSE OR WOOD PULP FIBER, WHICH INCLU 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
- PER ACRE. 20.5. PINE STRAW OR PINE BARK SHALL BE APPLIED AT A THICKNESS OF 3 INCHES FOR BED PURPOSES. OTHER SUITABLE MATERIALS IN SUFFICIENT QUANTITY MAY BE USED WH ORNAMENTALS OR OTHER GROUND COVERS ARE PLANTED. THIS IS NOT APPROPRIAT SEEDED AREAS.
- 20.6. WHEN USING TEMPORARY EROSION CONTROL BLANKETS OR BLACK SOD, MULCH IS N REQUIRED.
- 20.7. ON SLOPES GREATER THAN 10 FEET IN LENGTH AND 4:1 OR STEEPER, USE THE FOLLO EROSION CONTROL BLANKETS THAT HAVE BEEN PROPERLY ANCHORED TO THE SLOP ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS:
- 2:1 SLOPES OR STEEPER: STRAW/COCONUT BLANKET OR HIGH VELOCITY WOOD B • 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 S

VIII. SURFACE WATER PROTECTION PLAN - BUFFER ZONE MANAGE

BUFFER ZONE MANAGEMENT REQUIREMENTS OF SCDHEC OF GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES, SECTION 3.2.4.C APPLY YO THE SITE DUE TO PRO> SURFACE WATERS, COMPLIANCE OPTION B - REDUCTION OF THE BUFFER WIDTH (SECTION 3.2.4.C SELECTED FOR THE SITE. THE BUFFER WIDTH WILL BE REDUCED TO 5 FEET.

UNDER OPTION B, THE SITE QUALIFIES FOR THE DISCHARGES AWAY FROM SURFACE WATERS (SE 3.2.4.C.IIIA) EXCEPTION. THE FOLLOWING EROSION CONTROL MEASURES WILL BE TAKEN TO ACHIEV MAXIMUM POLLUTANT REMOVAL FROM THE STORMWATER LEAVING THE SITE: A. DOUBLE ROW OF SILT FENCE IN AREAS ADJACENT TO SURFACE WATERS

- B. CONTRACTOR TO MAINTAIN SITE AND PROVIDE FOR POSITIVE DRAINAGE. CONTRACTOR T GRADE, STABILIZE WITHIN THE CONSTRUCTION AREA TO FACILITATE STORMWATER DISC WITH TEMPORARY DRAINAGE SWALES TO POND. THE ESCAPE OF SEDIMENT FROM THE SI BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES PRACTICES PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES. A 5' WETLAND WILL BE LEFT UNDISTURBED
- SEE CONSTRUCTION SEQUENCE

IX. HOUSEKEEPING

THESE PERFORMANCE STANDARDS APPLY TO ALL SITES.

- 1. PETROLEUM PRODUCTS: INCLUDING OIL, GASOLINE, LUBRICANTS AND ASPHALTIC SUBST 1.1. HAVE EQUIPMENT TO CONTAIN AND CLEAN UP PETROLEUM SPILLS IN FUEL STORAGE
- 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
- 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
- 2.3.3. STOP THE SOURCE 2.3.4. CONTAIN THE SPILL
- 3. NON-STORM WATER DISCHARGES
- THE FOLLOWING NON-STORMWATER DISCHARGES MUST BE PROTECTED FROM CAUSING POLLUTION OR EROSION:

PROTECTION CENTER TO COORDINATE THE MARKING OF EXISTING UTILITY LINES A MINIMUM OF 96	3.11. UNCONTAMINATED EXCAVATION DEWATERING	
 HOURS PRIOR TO COMMENCEMENT OF ANY WORK. 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) SUMULIES CONSTRUCTION TO THE CONSTRUCTION TO REMOVE SILT AND DEBRIS. THE CLEANING AND FLUSHING OF INLETS AND PIPE (EXISTING AND PROPOSED) SUMULIES CONSTRUCTION TO THE CONSTRUCTION TO REMOVE SILT AND DEBRIS. THE CLEANING AND FLUSHING OF INLETS AND PIPE (EXISTING AND PROPOSED) SUMULIES CONSTRUCTION TO THE CONSTRUCTION TO REMOVE SILT AND DEBRIS. THE CLEANING AND FLUSHING OF INLETS AND PIPE (EXISTING AND PROPOSED) SUMULIES CONSTRUCTION TO THE CONSTRUCTION TO REMOVE SILT AND DEBRIS. THE CLEANING AND FLUSHING OF INLETS AND PIPE (EXISTING AND PROPOSED) SUMULIES CONSTRUCTION TO REMOVE SILT AND DEBRIS. THE CLEANING AND FLUSHING OF INLETS AND PIPE (EXISTING AND PROPOSED) SUMULIES CONSTRUCTION TO REMOVE SILT AND REMOVE SUMULIES AND PIPE (EXISTING AND REMOVE SILT AND REMOVE SUMULIES AND REMOVE SUMU	3.12. LANDSCAPE IRRIGATION3.13. DECHLORINATED SWIMMING POOL DISCHARGES.4. CONSTRUCTION WASTES: DEMOLITION RUBBLE, PACKAGING MATERIALS, SCRAP BUILDING	
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	SUPPLIES, ETC. 4.1. SELECT A DESIGNATED WASTE COLLECTION AREA	
 SCHEDULE CONSTRUCTION ACTIVITIES TO MINIMIZE THE EXPOSED AREA AND DURATION OF EXPOSURE IN SCHEDULING TAKE INTO ACCOUNT THE SEASON AND THE WEATHER FORECAST 	 4.2. PROVIDE LIDS FOR WASTE CONTAINERS 4.3. WHEN POSSIBLE LOCATE CONTAINERS IN COVERED AREA 4.4. MAINTAIN CONSISTENT REMOVAL SCHEDULE FOR WASTE 	
 EROSION CONTROL MEASURES ARE THE MINIMUM REQUIRED. THE CONTRACTOR SHALL PROVIDE ADDITIONAL CONTROL MEASURES AS DICTATED BY ACTUAL FIELD CONDITIONS AT THE TIME OF 	5. PESTICIDES: REDUCE THE AMOUNT OF PESTICIDES AVAILABLE FOR CONTACT WITH STORM WATER.	
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.	 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 	
5. 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.	 6.1. LIMIT APPLICATION OF FERTILIZERS TO THE MINIMUM NEEDED 6.2. APPLY MORE FREQUENTLY BUT AT LOWER APPLICATION RATES 6.3. LIMIT USE OF DETERCENTS ON SITE 	
 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 	 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 	
 3WALES TO INSURE STORM WATER DOES NOT FOND ON SITE. 17. SITE DRAINAGE SHALL BE ESTABLISHED TO PREVENT ANY PONDED WATER CONDITIONS WITHIN THE CONSTRUCTION AREA AND TO FACILITATE STORM WATER DISCHARGE. 	X. GRASSING NOTES	
 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. 	 SOD: 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. 	
 9. 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 	 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. 2. SODDING SCHEDULE: 	
20. MULCHING:	LAY SOD FROM MAY 1 TO SEPTEMBER 15 FOR SPRING PLANTING AND FROM SEPTEMBER 15 TO NOVEMBER 1 FOR FALL PLANTING.	
MULCHING IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. MULCH APPLIED TO SEEDED AREAS SHALL ACHIEVE 75% SOIL COVER. SELECT THE MULCHING MATERIAL FROM THE FOLLOWING AND APPLY AS INDICATED:	3. SEED: ALL SEED SHALL CONFORM TO ALL STATE LAWS AND TO ALL DECUMPEMENTS AND RECUMPTIONS	
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	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	
 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 PATE INDICATED ABOVE) AFTER HYDRAULIC SEEDING. 	3.1. PENNISETUM GLAUCIUM (BROWNTOP MILLET): TESTING 98 PERCENT PURITY AND 85 PERCENT	
 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. SERIES A LESPEDEZA HAY CONTAINING MATURE SEED SHALL BE ADDIED AT A DATE OF 2 TONS. 	GERMINATION. 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.	
 20.4. SERICEA LESPEDEZA HAY CONTAINING MATURE SEED SHALL BE APPLIED AT A RATE OF 3 TONS PER ACRE. 20.5. PINE STRAW OR PINE BARK SHALL BE APPLIED AT A THICKNESS OF 3 INCHES FOR BEDDING 	4. MISCELLANEOUS:	
PURPOSES. OTHER SUITABLE MATERIALS IN SUFFICIENT QUANTITY MAY BE USED WHERE ORNAMENTALS OR OTHER GROUND COVERS ARE PLANTED. THIS IS NOT APPROPRIATE FOR SEEDED AREAS.	 4.1. PERMANENT SEEDING SHALL COVER ALL DISTURBED AREA NOT TO BE COVERED BY LANDSCAPE PLANTING BEDS, STRUCTURE, OR PAVEMENT. 4.2. SEED ALL DISTURBED AREAS WITHIN SEVEN DAYS OF FINAL GRADING AND TEMPORARY SEED ALL DISTURBED AREAS WITHIN SEVEN DAYS OF FINAL GRADING AND TEMPORARY 	
 20.6. WHEN USING TEMPORARY EROSION CONTROL BLANKETS OR BLACK SOD, MULCH IS NOT REQUIRED. 20.7. ON SLOPES GREATER THAN 10 FEET IN LENGTH AND 4:1 OR STEEPER, USE THE FOLLOWING EROSION CONTROL BLANKETS THAT HAVE BEEN BRODERLY ANCHORED TO THE SLOPE 	 4.3. ALL PERMANENT GRASS PLANTINGS SHALL BE MULCHED 4.4. CENTIPEDE SOD CAN BE USED AS PERMANENT COVER ANYTIME EXCEPT JUNE THRU OCTOBER 4.5. IE CRASSING OCCURS DURING A MONTH BEOUNDING TEMPORARY COVER THE CONTRACTOR 	
ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS: 2'1 SLOPES OR STEEPER' - STRAW/COCONUT BLANKET OR HIGH VELOCITY WOOD BLANKET	4.5. IF GRASSING OCCORS 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 GRASS WITH AT LEAST 95% COVER, BARE SPOTS CAN NOT BE MORE THAN 1 INCH SQUARE IN ANY	
 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 		
. SURFACE WATER PROTECTION PLAN - BUFFER ZONE MANAGEMENT	AL PERMANENT STADILIZATION NEWLY SEEDED OR SODDED AREAS MUST BE PROTECTED FROM VEHICLE TRAFFIC, EXCESSIVE DEDESTRIAN TRAFFIC, AND CONCENTRATED PUNCEE UNTIL THE VECETATION IS WELL ESTABLISHED. IE	
ER ZONE MANAGEMENT REQUIREMENTS OF SCDHEC OF GENERAL PERMIT FOR STORMWATER HARGES FROM CONSTRUCTION ACTIVITIES, SECTION 3.2.4.C APPLY YO THE SITE DUE TO PROXIMITY TO FACE WATERS. COMPLIANCE OPTION B - REDUCTION OF THE BUFFER WIDTH (SECTION 3.2.4.C.II) WAS	NECESSARY, AREAS MUST BE RE-WORKED AND RE-STABILIZED IF GERMINATION IS SPARSE, PLANT COVERAGE IS SPOTTY ,OR TOPSOIL EROSION IS EVIDENT. ONE OR MORE OF THE FOLLOWING MAY APPLY TO THE SITE.	THOMAS
CTED FOR THE SITE. THE BUFFER WIDTH WILL BE REDUCED TO 5 FEET.	4.1. SEEDED AREAS	
C.IIIA) EXCEPTION. THE FOLLOWING EROSION CONTROL MEASURES WILL BE TAKEN TO ACHIEVE MUM POLLUTANT REMOVAL FROM THE STORMWATER LEAVING THE SITE: A. DOUBLE ROW OF SILT FENCE IN AREAS ADJACENT TO SURFACE WATERS	AREA WITH MATURE, HEALTHY PLANTS WITH NO EVIDENCE OF WASHING OR RILLING OF THE TOPSOIL.	
3. CONTRACTOR TO MAINTAIN SITE AND PROVIDE FOR POSITIVE DRAINAGE. CONTRACTOR TO CLEAR, GRADE, STABILIZE WITHIN THE CONSTRUCTION AREA TO FACILITATE STORMWATER DISCHARGE	4.2. SODDED AREAS	50 Park of Commerce Way Savannah, GA 31405 • 912.234.5300
WITH TEMPORARY DRAINAGE SWALES TO POND. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND	ROOTS INTO THE APPROVED MULCH MATERIAL.	www.inomasananuiion.com
PRACTICES PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES. A 5' WETLAND BUFFER WILL BE LEFT UNDISTURBED	FOR MULCHED AREAS, PERMANENT MULCHING MEANS TOTAL COVERAGE OF THE EXPOSED AREA WITH AN APPROVED MULCH MATERIAL.	ES & PC NOTES
	4.4. RIPRAP	
REPERFORMANCE STANDARDS APPLY TO ALL SITES.	FOR AREAS STABILIZED WITH RIPRAP, PERMANENT STABILIZATION MEANS THAT SLOPES STABILIZED WITH RIPRAP HAVE AN APPROPRIATE BACKING OF AN APPROVED GEOTEXTILE TO PREVENT SOIL MOVEMENT FROM BEHIND THE RIPRAP	
PETROLEUM PRODUCTS: INCLUDING OIL, GASOLINE, LUBRICANTS AND ASPHALTIC SUBSTANCES.	4.5. DITCHES, CHANNELS, AND SWALES	MONROE TRACT SURFACE
 HAVE EQUIPMENT TO CONTAIN AND CLEAN UP PETROLEUM SPILLS IN FUEL STORAGE AREAS OR ON MAINTENANCE AND FUELING VEHICLES STORE IN COVERED AREAS PROTECTED WITH DIKES 	FOR OPEN CHANNELS, PERMANENT STABILIZATION MEANS THE CHANNEL IS STABILIZED WITH 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	
2. SPILLS: PREVENTION AND RESPONSE.	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 DOWN CUTTING OF THE CHANNEL	PROJECT LOCATION: HARDEEVILLE, SOUTH CAROLINA
 STORE AND HANDLE MATERIALS TO PREVENT SPIELS TIGHTLY SEALED CONTAINERS, NEAT AND SECURE STACKING, ETC. REDUCE STORM WATER CONTACT IF SPILL OCCURS 	XII. FERTILIZER REQUIREMENTS	
2.3.1. CLEANUP PROCEDURES SHOULD BE CLEARLY POSTED.2.3.2. CLEANUP MATERIALS SHOULD BE READILY AVAILABLE2.3.3. STOP THE SOURCE	1. TEMPORARY SEEDING FERTILIZER	CLIENT/OWNER: RED OAKS PARTNERS, LLC
2.3.4. CONTAIN THE SPILL 3. NON-STORM WATER DISCHARGES	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 TEST INDICATES A DIFFERENT REQUIREMENT. INCORPORATE FERTILIZER AND LIME (IF USED) INTO	P.O BOX 3822 BLUFFTON, SOUTH CAROLINA 29910
THE FOLLOWING NON-STORMWATER DISCHARGES MUST BE PROTECTED FROM CAUSING POLLUTION OR EROSION:	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 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	
 3.1. DISCHARGES FROM FIRE-FIGHTING ACTIVITIES 3.2. FIRE HYDRANT FLUSHINGS 3.3. WATERS LISED TO WASH VEHICLES WHERE REFERENCES ARE NOT USED. 	(70LBS. / 1000 SQ. FT.).2. PERMANENT SEEDING FERTILIZER	
 3.4. WATER USED TO WASH VEHICLES WHERE DEFERGENTS ARE NOT USED 3.4. WATER USED TO CONTROL DUST 3.5. POTABLE WATER INCLUDING UNCONTAMINATED WATER LINE FLUSHINGS 4. POLITINE EXTERNAL BUILDING WASH DOWN THAT DOES NOT USE SETERCE VEHICLES 	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	
 3.0. ROOTINE EATERNAL BUILDING WASH DOWN THAT DOES NOT USE DETERGENTS 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 DETERGENTS ARE NOT USED 3.8. UNCONTAMINATED AIR CONDITIONING OR COMPRESSOR CONDENSATE 	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. DO NOT MIX THE LIME AND THE FERTILIZER PRIOR TO THE FIELD APPLICATION. UNLESS A SPECIFIC SOIL TEST INDICATES OTHERWISE, APPLY 1 & 1/2 TONS OF GROUND COARSE TEXTURED AGRICULTURAL LIMESTONE PER ACRE (70 LBS. / 1000 SQ.FT.).	
 3.9. UNCONTAMINATED GROUND WATER OR SPRING WATER 3.10. FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS SUCH AS SOLVENTS 	XIII. SWPP PREPARER CERTIFICATION	
	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 CERTIES TO THE BEST OF MY	
	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.	JOB NO: 31589.0000
	(IL ALL LUADEL), AND IN ACCONDANCE WITH THE TERMIS AND CONDITIONS OF SCR 100000.	DATE: 04/01/24 DRAWN: SGJ

DESIGNED: SO REVIEWED: FIT APPROVED: SKM

				TEM	PORARY S	SEEDING	- COASTA	AL		
SPECIES	LBS/AC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
		•	·	Ś	SANDY, DF	ROUGHTY	SITES	·	·	
BROWNTOP MILLET	40									
RYE, GRAIN	56									
RYEGRASS	50									
WELL DRAINED, CLAYEY/LOAMEY SITES										
BROWNTOP MILLET	40									
JAPANESE MILLET	40									
RYE, GRAIN	56									
OATS	75									
RYEGRASS	50									

SPECIES LBS/AC JAN FEB MAR APR MAY JUN JUL AUG SEP SANDY, DROUGHTY SITES SANDY, DROUGHTY SITES Image: Sandy of the second s				
SANDY, DROUGHTY SITES BROWNTOP MILLET 10 Image: Colspan="2">Colspan="2"Col				
BROWNTOP MILLET 10 BAHIAGRASS 40				
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BROWNTOP MILLET 10 10 10 10 10 10 10 10 10 10 10 10 10				
BAHIAGRASS 30 30				
SERICEA LESPEDEZA 40 40				
BROWNTOP MILLET 10 10 10 10 10 10 10 10 10 10 10 10 10				
ATLANTIC COASTAL 15				
PANICGRASS PLS				
BROWNTOP MILLET 10 10 10 10 10 10 10 10 10 10 10 10 10				
SWITCHGRASS 8				
(ALAMO) PLS				
LITTLE BLUESTEM 4				
SERICEA LESPEDEZA 20 20				
BROWNTOP MILLET 10				
WEEPING LOVEGRASS 8				
WELL DRAINED, CLAYEY/LOAMEY SITES				
BROWNTOP MILLET 10				
BAHIAGRASS 40 40				
RYE, GRAIN 10 10 10 10 10 10 10 10 10 10 10 10 10				
BAHIAGRASS 40				
CLOVER, CRIMSON (ANNUAL) 5				
BROWNTOP MILLET 10 10				
BAHIAGRASS 30 30				
SERICEA LESPEDEZA 40 40				
BROWNTOP MILLET 10 10				
BERMUDA, COMMON 10				
SERICEA LESPEDEZA 40 40				
BROWNTOP MILLET 10 10				
BERMUDA, COMMON 12				
KOBE LESPEDEZA (ANNUAL) 10 10				
BROWNTOP MILLET 10 10				
BAHIAGRASS 20				
BERMUDA, COMMON 6				
SERICEA LESPEDEZA 40 40				
BROWNTOP MILLET 10 10				
SWITCHGRASS 8 8				
LITTLE BLUESTEM PLS				
INDIANGRASS 3				

LIST OF ACRONYMS FOR SEDIMENT AND EROSION CONTROL

AASHTO AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS

AMD	ACRYLAMIDE POLYMER
BFM	BONDED FIBER MATRIX
BMP(S)	BEST MANAGEMENT PRACTICE(S)
CFS	CUBIC FEET PER SECOND
CMP	CORRUGATED METAL PIPE
DHEC	DEPARTMENT OF HEATH AND ENVIRONMENTAL CONTROL
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
NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
PAM	POLYACRYLAMIDE OR POLYMER
RCP	REINFORCED CONCRETE PIPE
SCS	SOIL CONSERVATION SERVICE
SWPPP	STORMWATER POLLUTION PREVENTION PROGRAM
TRM	TURF REINFORCEMENT MAT
VFS	VEGETATED FILTER STRIP

CONSTRUCTION ACTIVITY	SCHEDULE CONSIDERATION
1 OBTAIN COPIES OF ALL PLAN APPROVALS AND OTHER APPLICABLE PERMITS.	CONTRACTOR TO HAVE ONSITE AT ALL TIMES DURING CONSTRUCTION.
2 FLAG THE WORK LIMITS AND BARRICADE TREES AND MARK BUFFER AREAS FOR PROTECTION.	HAVE LOCAL REGULATORY AGENCY INSPECT TREE BARRICADES.
3 HOLD PRE CONSTRUCTION CONFERENCE AT LEAST ONE WEEK PRIOR TO STARTING CONSTRUCTION.	REVIEW TREE PROTECTION (BARRICADE) WITH OWNER AND LOCAL REGULATORY AGENCY. TAKE PICTURES OF ALL PROTECTED TREES AND LOCATIONS WHERE SITE WORK TIES INTO EXISTING TO DOCUMENT PREDEVELOPMENT PROCEDURES.
4 INSTALL CONSTRUCTION ACCESS AND LAY DOWN AREAS	STABILIZE BARE AREAS IMMEDIATELY AND INSTALL CONSTRUCTION EXITS / ENTRANCES.
5 CONSTRUCT PERIMETER CONTROLS - SEDIMENT FENCES.	INITIAL CLEARING AND GRUBBING ONLY AS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS.
6 CLEARING AND GRUBBING ONLY IN AREAS OF BASINS/TRAPS/PONDS	AREAS DRAINING TO PRINCIPLE SEDIMENT BASIN TRAPS CANNOT BE DISTURBED UNTIL OUTLET STRUCTURE IS COMPLETE.

STORMWATER POLLUTION PREVENTION PLAN

OCT	NOV	DEC
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OCT	NOV	DEC

DESCRIPTION PLAN SYMBOL SILT FENCE	EROSION CONTROL LEGEND			
SILT FENCE CLEARING LIMITS CLEARING LIMITS DIVERSION DIKE DIVERSION DERM DIVERSION BERM DIVERSION BERM DIVERSION BERM TEMPORARY DIVERSION PERMANENT DIVERSION PERMANENT DIVERSION SUBSURFACE DRAIN (SSD (VEGETATED CHANNEL ECB OR TRM LINED CHANNEL PAVED CHANNEL POINT JUEFACE ROUGHENING (m) TEMPORARY SEEDING (TS) PERMANENT SEEDING MULCHING (M)	DESCRIPTION	PLAN SYMBOL		
CLEARING LIMITS	SILT FENCE			
DIVERSION DIKE → DD → DIVERSION BERM → DB → TEMPORARY DIVERSION → TD → PERMANENT DIVERSION → PD → SUBSURFACE DRAIN (=:SSD (=: VEGETATED CHANNEL □□□□ RIP RAP LINED CHANNEL □□□□ PAVED CHANNEL □□□□ PAVED CHANNEL □□□□ SURFACE ROUGHENING □□□□ TOP SOILING □□□ TEMPORARY SEEDING □□ PERMANENT SEEDING □□ MULCHING □	CLEARING LIMITS	CL		
DIVERSION BERM \rightarrow DB \rightarrow TEMPORARY DIVERSION \rightarrow TD \rightarrow PERMANENT DIVERSION \rightarrow PD \rightarrow SUBSURFACE DRAIN (SSD (VEGETATED CHANNEL (SSD (RIP RAP LINED CHANNEL (RIP RAP LINED CHANNEL (ECB OR TRM LINED CHANNEL (PAVED CHANNEL PC () TREE PROTECTION () SURFACE ROUGHENING () SURFACE ROUGHENING () TOP SOILING () TEMPORARY SEEDING () PERMANENT SEEDING () MULCHING ()	DIVERSION DIKE			
TEMPORARY DIVERSION TD TD TO PERMANENT DIVERSION PD TO SUBSURFACE DRAIN (DIVERSION BERM	→ DB →		
PERMANENT DIVERSION SUBSURFACE DRAIN SUBSURFACE DRAIN VEGETATED CHANNEL RIP RAP LINED CHANNEL ECB OR TRM LINED CHANNEL PAVED CHANNEL PAVED CHANNEL PAVED CHANNEL PAVED CHANNEL PC SURFACE ROUGHENING TOP SOILING TEMPORARY SEEDING PERMANENT SEEDING MULCHING	TEMPORARY DIVERSION			
SUBSURFACE DRAIN (=:SSD (=: VEGETATED CHANNEL Image: SSD RIP RAP LINED CHANNEL Image: SSD ECB OR TRM LINED CHANNEL Image: SSD PAVED CHANNEL Image: SSD TREE PROTECTION Image: SSD SURFACE ROUGHENING Image: SSD TOP SOILING Image: SSD TEMPORARY SEEDING TS PERMANENT SEEDING M	PERMANENT DIVERSION	→ PD→		
VEGETATED CHANNEL RIP RAP LINED CHANNEL ECB OR TRM LINED CHANNEL PAVED CHANNEL PC SURFACE ROUGHENING ITOP SOILING TEMPORARY SEEDING TEMPORARY SEEDING MULCHING MULCHING	SUBSURFACE DRAIN	(<u>-</u> ssd(<u>-</u>		
RIP RAP LINED CHANNEL ESS ECB OR TRM LINED CHANNEL ESS PAVED CHANNEL PC TREE PROTECTION Image: Constraint of the second se	VEGETATED CHANNEL	ـــــــــــــــــــــــــــــــــــــ		
ECB OR TRM LINED CHANNEL PAVED CHANNEL PAVED CHANNEL PC → TREE PROTECTION SURFACE ROUGHENING OR LG TOP SOILING TEMPORARY SEEDING PERMANENT SEEDING MULCHING	RIP RAP LINED CHANNEL			
PAVED CHANNEL PC TREE PROTECTION SURFACE ROUGHENING TOP SOILING TEMPORARY SEEDING PERMANENT SEEDING MULCHING PC PC PC PC PC PC PC P	ECB OR TRM LINED CHANNEL			
TREE PROTECTION	PAVED CHANNEL	PC		
SURFACE ROUGHENING OR LG	TREE PROTECTION			
TOP SOILING TEMPORARY SEEDING TS PERMANENT SEEDING MULCHING MULCHING	SURFACE ROUGHENING	OR LG		
TEMPORARY SEEDING PERMANENT SEEDING TS MULCHING M	TOP SOILING			
PERMANENT SEEDING PS MULCHING M	TEMPORARY SEEDING	TS		
MULCHING	PERMANENT SEEDING	PS		
	MULCHING	M		

EROSION CONT	ROL LEGE
DESCRIPTION	PLAN SYMBOL
ROSION CONTROL BLANKET OR TURF EINFORCEMENT MAT	
LEXIBLE GROWTH MATRIX	FGM
ONDED FIBER MATRIX	BFM
ODDING	so
LOPED SODDING	
TAKED SOD	
TAKED SOD AROUND INLET	
IPRAP	
DUTLET PROTECTION - RIP RAP	
DUTLET PROTECTION - ECB OR TRM	
UST CONTROL	DC
OLYACRYLAMIDE (PAM)	PAM
EDIMENT BASIN	
EDIMENT BASIN WITH SKIMMER	
EDIMENT TRAP	
OCK SEDIMENT DIKE	
EDIMENT TUBE	

INITIAL PHASE EC1.1 - EC1.2 CONSTRUCTION SEQUENCE

CONSTRUCTION PHASE EC2.1 - EC2.2 CONSTRUCTION SEQUENCE

CONSTRUCTION ACTIVITY	SCHEDULE CONSIDERATION		
CONSTRUCT SEDIMENT TRAPS AND BARRIERS - BASIN TRAPS/ PONDS, OUTLET PROTECTION, AND TEMPORARY RISER OUTFALL STRUCTURES.	INSTALL PRINCIPAL BASINS AFTER CONSTRUCTION SITE IS ACCESSED. INSTALL ADDITIONAL TRAPS AND BARRIERS AS NEEDED DURING GRADING.	14	LANDSCA TOPSOILI SEEDING,
ESTABLISH RUNOFF CONTROL - DIVERSIONS, PERIMETER DIKES, WATER BARS, AND OUTLET PROTECTION.	INSTALL KEY PRACTICES AFTER PRINCIPAL SEDIMENT TRAPS AND BEFORE LAND GRADING. INSTALL ADDITIONAL RUNOFF-CONTROL MEASURES DURING GRADING.		
LAND CLEARING AND GRADING-SITE PREPARATION CUTTING, FILLING AND GRADING, SEDIMENTATION TRAPS, BARRIERS, DIVERSIONS, DRAINS, SURFACE ROUGHENING.	BEGIN MAJOR CLEARING AND GRADING AFTER PRINCIPAL SEDIMENT AND KEY RUNOFF-CONTROL MEASURES ARE INSTALLED. CLEAR BORROW AND DISPOSAL AREAS ONLY AS NEEDED. INSTALL ADDITIONAL CONTROL MEASURES AS GRADING PROGRESSES. MARK TREES AND BUFFER AREAS FOR PRESERVATION.		
) RUNOFF CONVEYANCE SYSTEM- INSTALL STORM DRAINS, STABILIZE BANKS, CHANNELS, INSTALL INLET AND OUTLET PROTECTION, SLOPE DRAINS.	WHERE NECESSARY, STABILIZE BANKS AS EARLY AS POSSIBLE. INSTALL PRINCIPAL RUNOFF CONVEYANCE SYSTEM WITH RUNOFF- CONTROL MEASURES. INSTALL REMAINDER OF SYSTEM AFTER GRADING.		
INSTALL WASTEWATER COLLECTION, WATER DISTRIBUTION, AND STORM DRAINAGE SYSTEMS	APPLY TEMPORARY OR PERMANENT STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS WHERE WORK IS DELAYED OR COMPLETE.		
SURFACE STABILIZATION-TEMPORARY AND PERMANENT SEEDING, MULCHING, SODDING, RIP RAP.	APPLY TEMPORARY OR PERMANENT STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS WHERE WORK IS DELAYED OR COMPLETE.		
BUILDING CONSTRUCTION- BUILDINGS UTILITIES, ROADS, ETC.	INSTALL NECESSARY EROSION AND SEDIMENTATION CONTROL PRACTICES AS WORK TAKES PLACE.		

14 LANDSCAP TOPSOILIN SEEDING, I

	ROCK CHECK DAM POROUS BAFFLES STABILIZED CONSTRUCTION ENTRANCE CONCRETE WASHOUT STORM DRAIN INLET PROTECTION - TYPE A FILTER FABRIC STORM DRAIN INLET PROTECTION - TYPE A STORM DRAIN INLET PROTECTION - TYPE B HARDWARE FABRIC AND STONE	
	POROUS BAFFLES STABILIZED CONSTRUCTION ENTRANCE CONCRETE WASHOUT STORM DRAIN INLET PROTECTION - TYPE A FILTER FABRIC STORM DRAIN INLET PROTECTION - TYPE A SEDIMENT TUBE STORM DRAIN INLET PROTECTION - TYPE B HARDWARE FABRIC AND STONE	
	STABILIZED CONSTRUCTION ENTRANCE CONCRETE WASHOUT STORM DRAIN INLET PROTECTION - TYPE A FILTER FABRIC STORM DRAIN INLET PROTECTION - TYPE A SEDIMENT TUBE STORM DRAIN INLET PROTECTION - TYPE B HARDWARE FABRIC AND STONE	
	CONCRETE WASHOUT STORM DRAIN INLET PROTECTION - TYPE A FILTER FABRIC STORM DRAIN INLET PROTECTION - TYPE A SEDIMENT TUBE STORM DRAIN INLET PROTECTION - TYPE B HARDWARE FABRIC AND STONE	
	STORM DRAIN INLET PROTECTION - TYPE A FILTER FABRIC STORM DRAIN INLET PROTECTION - TYPE A SEDIMENT TUBE STORM DRAIN INLET PROTECTION - TYPE B HARDWARE FABRIC AND STONE	
	STORM DRAIN INLET PROTECTION - TYPE A SEDIMENT TUBE STORM DRAIN INLET PROTECTION - TYPE B HARDWARE FABRIC AND STONE	A
	STORM DRAIN INLET PROTECTION - TYPE B HARDWARE FABRIC AND STONE	
	STORM DRAIN INLET PROTECTION - TYPE C BLOCK AND GRAVEL	
	STORM DRAIN INLET PROTECTION - TYPE D RIGID INLET FILTER	
	STORM DRAIN INLET PROTECTION - TYPE E SURFACE COURSE CURB INLET FILTER	E
	STORM DRAIN INLET PROTECTION - TYPE F	F
	STORM DRAIN INLET PROTECTION - TYPE G	G
	STORM DRAIN INLET PROTECTION - CATCH BASIN INSERT	I
	PIPE SLOPE DRAINS	
	TEMPORARY STREAM CROSSING	
	LEVEL SPREADER	
	STABILIZATION PHASE EC3.1 - EC3.2 CONSTRUCTION SEQUENCI	=
CONSTRUCT	ION ACTIVITY SCHE	
DSCAPING AND FINAL SOILING, TREES AND S DING, MULCHING, SOD	STABILIZATION - LAST CONSTRUCTION SHRUBS, PERMANENT DING, RIP RAP. REMOVE AND STABIL MEASURES. REMOVE STRUCTURES AND O STRUCTURES.	N PHASESTABILIZE ALL OPEN ORROW AND SPOIL AREAS. IZE ALL TEMPORARY CONTROL TEMPORARY RISER OUTFALL PEN PERMANENT OUTFALL

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MONROE TRACT SURFACE MINE PROJECT LOCATION: HARDEEVILLE, SOUTH CAROLINA
PROJECT LOCATION: HARDEEVILLE, SOUTH CAROLINA
CLIENT/OWNER: RED OAKS PARTNERS, LLC P.O BOX 3822 BLUFFTON, SOUTH CAROLINA 29910
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