CIVIL CONSTRUCTION PLANS FOR

BLAKELY COMMONS

DESIGN PROFESSIONAL'S CREDENTIALS: ENGINEER'S NAME (PRINTED): TRAVIS BURKE, PE GEORGIA PE NUMBER: 31215 GSWCC LEVEL II CERTIFICATION NUMBER: 8134



PREPARED FOR MARSHALL DESIGN BUILD

REVISIONS

PROJECT ADDRESS: PROJECT CITY, STATE: **OWNER/REPRESENTATIVE: PROPERTY AREA:** DISTURBED AREA: ZONING: VERTICAL DATUM: HORIZONTAL DATUM: FLOOD ZONE: WATER & SEWER PROVIDER: PINS: SURVEY PREPARED BY: GEOTECHNICAL BY: ARCHITECT: CONSTRUCTION EXIT LOCATION: N032.06859, W081.27365

PROJECT SITE DATA

100 WILLIAM BLAKELY CROSSING POOLER, GEORGIA MARSHALL DESIGN BUILD 4.786 AC 4.16 AC PUD NAVD 88 NAD 83 ZONE X **CITY OF POOLER** 51009 01116 COLEMAN COMPANY, INC. N/A HRH ARCHITECTS

REVISIONS: RUC AKFI ATED I FOR S Ζ RED JOB NUMBER: 23-245 DATE: 08/05/2024 DRAWN BY: DJM CHECKED BY: tgb scale: AS NOTED COVER SHEET:

SHEET INDEX

Sheet Number	Sheet Title
COV	COVER
C0.0	CONSTRUCTION NOTES
C1.0	EXISTING CONDITIONS
C2.0	STAKING PLAN
C3.0	UTILITY PLAN
C4.0	GRADING PLAN
C5.0	DRAINAGE PLAN
C6.0	PAVING PLAN
C7.0	PROFILES
C8.0	CONSTRUCTION DETAILS
C8.1	CONSTRUCTION DETAILS
CE1.0	INITIAL ES&PC PLAN
CE2.0	INTERM ES&PC PLAN
CE3.0	FINAL ES&PC PLAN
CE4.0	EROSION CONTROL DETAILS
CE4.1	EROSION CONTROL DETAILS
CE5.0	NPDES PERMIT NOTES
CE5.1	NPDES PERMIT NOTES
L1.0	EXISTING CONDITIONS
L2.0	LANDSCAPE PLAN
L3.0	LANDSCAPE DETAILS

- 2. CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND INSPECTIONS AS REQUIRED FOR APPROVAL OF THE WORK WITH THE GOVERNMENTAL AGENCY WITH JURISDICTION.
- 3. CONTRACTOR WILL BE RESPONSIBLE FOR COST OF AND COORDINATION WITH LOCAL UTILITY COMPANIES OR AGENCIES FOR RELOCATION OF, OR CONNECTION TO, ALL EXISTING UTILITIES INCLUDING POWER AND TELEPHONE POLES AND WIRES.
- 4. ALL ELEVATIONS ARE BASED ON MEAN SEA LEVEL DATUM, NAVD 88. 5. A MINIMUM SHOULDER WIDTH OF 4 FEET WITH A MINIMUM TRANSVERSE SLOPE OF 5% WILL BE PROVIDED ADJACENT TO CURBS
- AND WALKS. ALL WALKS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2% AND A MAXIMUM TRANSVERSE SLOP OF 5%. 6. MAXIMUM EARTH SLOPES WILL BE 3:1. GRADE FROM SHOULDER EDGE TO RIGHT- OF-WAY AT 1% MINIMUM.
- 7. REMOVAL AND REPLACEMENT OF UNSUITABLE SUBGRADE MATERIAL WILL BE PAID FOR ON A CUBIC YARD BASIS IN PLACE
- MEASUREMENT, AT SUCH AUTHORIZED PRICE PER CUBIC YARD, AS AUTHORIZED BY THE ENGINEER. 8. PROVIDE 1/2" EXPANSION JOINT IN NEW WALKS FOR DEPTH OF CONCRETE, WITH BITUMINOUS SEAL FOR TOP 1 INCH MINIMUM DEPTH AT ABUTMENTS WITH BUILDINGS OR OTHER CONCRETE STRUCTURES.
- 9. SAW-CUT CONTRACTION JOINTS WILL BE PROVIDED IN ACCORDANCE WITH DETAILS, CUT TO BE 1/4 DEPTH OF CONCRETE MINIMUM.
- 10. ALL DIMENSIONS ARE TO EXTERIOR FACE OF BUILDING, EDGE OF SURFACE COURSE OR FACE OF CURBING UNLESS OTHERWISE NOTED.
- 11. ALL ANGLES ARE 90 DEGREES UNLESS OTHERWISE NOTED.
- 12. THE CONTRACTOR SHALL KEEP ACCURATE RECORDS FOR "AS BUILT" PURPOSES AND PROVIDE THIS INFORMATION TO THE ENGINEER AT THE COMPLETION OF THE PROJECT. IF THE CONTRACTOR FAILS TO FURNISH THIS INFORMATION, THE ENGINEER WILL OBTAIN THE NECESSARY INFORMATION AND CHARGE THE CONTRACTOR FOR THE SERVICES. THE ENGINEER WILL CHECK INFORMATION PROVIDED BY THE CONTRACTOR FOR ACCURACY. AS BUILT INFORMATION INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING: ALL UTILITIES INCLUDING INVERTS, TOP ELEVATIONS, PIPE LENGTHS AND TYPE OF CONSTRUCTION MATERIAL; SPOT ELEVATIONS ON FORCE MAINS AND WATER LINES: THE DISTANCE OF THE CENTERLINE OF UTILITIES FROM A PERMANENT STRUCTURE, ALL VALVE MANHOLES AND VALVE BOXES SHALL BE LOCATED WITH RESPECT TO A PERMANENT STRUCTURE. GRADES SHALL BE CONFIRMED IN ROADS AND PARKING AREAS AS WELL AS SWALES TO SHOW DIRECTION OF STORMWATER FLOW. THE FINISHED FLOOR ELEVATION SHALL BE SHOWN ON ALL BUILDINGS. IF THE LANDSCAPING IS CHANGED IN ANY WAY AN AS BUILT OF THE LANDSCAPE PLAN IS TO BE SUBMITTED TO THE ENGINEER.
- 13. ALL NEW DISTURBED AREAS WILL BE GRASSED BY SEEDING OR SPRIGGING IN ACCORDANCE WITH CURRENT VERSION OF THE MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA, AND AS DIRECTED BY THE ENGINEER.
- 14. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.
- 15. CONTRACTOR SHALL PROVIDE DUST CONTROL OF ALL DISTURBED AREAS BY THE USE OF WATER AND FAST GROWING, TEMPORARY VEGETATION ON ALL STOCKPILED SOILS.
- 16. CONTRACTOR WILL PROVIDE A CONSTRUCTION SCHEDULE INCLUDING ALL EROSION AND SEDIMENT CONTROL MEASURES. 17. ALL EXISTING INLETS AND DITCHES SUBJECT TO STORM WATER RUNOFF FROM THE SITE AND ALL NEW INLETS SHALL BE
- PROVIDED WITH HAY BALES OR OTHER APPROVED SILT BARRIERS TO MINIMIZE SOIL TRANSPORT OFF SITE BY STORM WATERS. 18. ALL MATERIAL AND INSTALLATION PRACTICES ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT SHALL MEET THE
- CURRENT REQUIREMENTS OF THE CITY OF POOLER AND CHATHAM COUNTY DEVELOPMENT REGULATIONS AND SPECIFICATIONS. 19. TESTING - PROVIDE ALL TESTING AS REQUIRED IN THE SPECIFICATIONS. PROVIDE ENGINEER WITH COPY DIRECT FROM TESTING
- 20. 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.
- 21. ANY DETENTION BASINS SHALL BE CONSTRUCTED IN CONJUNCTION WITH CLEARING AND GRADING TO HELP PREVENT THE LOSS OF SEDIMENT FROM THE SITE. THE CONTRACTOR SHALL CLEAN OUT ANY SEDIMENT DEPOSITED IN THE BASINS DURING THE CONSTRUCTION PERIOD SO THAT THE SPECIFIED WATER DEPTH AT NORMAL POOL IS MAINTAINED. THE CONTRACTOR MAY OVER EXCAVATE THE BASINS TO ACCOMPLISH THIS, IF DESIRED, AT HIS OWN EXPENSE AND WITH THE CONCURRENCE OF THE
- 22. PRIOR TO CONSTRUCTION, ALL BUILDING AREAS, PLUS 10 FEET ON EACH SIDE AND ALL AREAS TO BE PAVED, SHALL BE STRIPPED OF ALL VEGETATION, TOP SOIL AND ROOT SYSTEMS.
- 23. SITE DRAINAGE SHALL BE ESTABLISHED TO PREVENT ANY PONDED WATER CONDITIONS WITHIN THE CONSTRUCTION AREA AND TO FACILITATE THE RAPID RUN-OFF OF STORM WATER.
- 24. ANY STUMP HOLES OR OTHER DEPRESSIONS SHALL BE CLEARED OF LOOSE MATERIAL AND DEBRIS AND SHALL THEN BE BACKFILLED WITH APPROVED FILL. THE BACKFILL SHALL BE PLACED IN SIX INCH MAXIMUM LIFTS AND COMPACTED TO 95% DENSITY IN ACCORDANCE WITH ASTM-D-1557
- 25. ANY UTILITIES THAT UNDERLIE THE SITE SHALL BE RELOCATED AND THE TRENCHES BACKFILLED WITH APPROVED SOIL. THE BACKFILL SHOULD BE PLACED IN SIX INCH MAXIMUM LIFTS AND COMPACTED TO 95% DENSITY IN ACCORDANCE WITH ASTM-D-1557.
- 26. THE SUBGRADE SHALL BE PROOFROLLED WITH A LOADED DUMP TRUCK TO LOCATE UNSTABLE OR SOFT AREAS. THESE AREAS SHALL THEN BE INVESTIGATED TO DETERMINE THE CAUSE OF THE INSTABILITY. IF DUE TO UNSUITABLE SOIL, SUCH AS HIGHLY ORGANIC SOILS OR SOFT CLAYS, THE AREA SHALL BE UNDERCUT TO A FIRM SOIL AND REPLACED WITH APPROVED FILL COMPACTED IN SIX INCH LIFTS TO MINIMUM DENSITY OF 95% IN ACCORDANCE WITH ASTM-D-1557. IF THE INSTABILITY IS DUE TO EXCESS MOISTURE IN OTHERWISE SUITABLE SOIL, THE AREA SHALL BE DRAINED AND COMPACTED TO 95% DENSITY. ANY FILL REQUIRED TO LEVEL OR RAISE THE SITE SHOULD THAN BE PLACED IN 6" THICK LOOSE LIFTS AND COMPACTED TO 95% DENSITY IN ACCORDANCE WITH ASTM-D-1557
- 27. ALL OF THE FILL FOR THIS PROJECT SHALL CONSIST OF A CLEAN, FREE DRAINING SAND WITH A MAXIMUM OF 15% FINES. THE FILL SHALL BE FREE OF OBJECTIONABLE ROOTS, CLAY LUMPS AND DEBRIS.
- 28. ALL COMPACTION SHALL BE PERFORMED AT MATERIAL MOISTURE CONTENTS WITHIN 3 PERCENTAGES POINTS, PLUS, OR MINUS, OF OPTIMUM.
- 29. ALL WATER USED FOR CONSTRUCTION SHALL BE METERED THROUGH AN APPROVED BACKFLOW PREVENTION DEVICE AND FIRE HYDRANT METER OBTAINED FROM THE CITY OF POOLER CONVEYANCE AND DISTRIBUTION DEPARTMENT.
- 30. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO FOLLOW THE COMPREHENSIVE MONITORING PLAN PREPARED FOR THE DEVELOPER BY COLEMAN COMPANY, INC.
- 31. ALL TAPS ON A MAIN FOR SERVICE LATERALS SHALL BE MADE WITH AN ALL STAINLESS STEEL DOUBLE STRAP EPOXY COATED TAPPING SADDLE. THE SIZE OF THE SADDLE SHALL BE WATER MAIN DIAMETER C-900 + 1"c.c. THREAD". 32. ALL FIRE HYDRANTS AND VALVES SHALL BE MANUFACTURED BY AMERICAN, DARLING, MUELLER OR M&H.
- 33, 50 L.F. OF 6" UNDERDRAIN AND ROCK SHALL BE INSTALLED FROM EACH SIDE OF EACH GRATE INLET, CONTRACTOR SHALL VERIFY THE STATIC WATER ELEVATION OF THE PROPOSED/EXISTING DRAINAGE SYSTEM EACH ROADSIDE INLET IS A COMPONENT OF AND NOT INSTALL THE UNDERDRAIN BELOW THAT STATIC ELEVATION.
- 34. ANY AND ALL UTILITY CROSSINGS FOR WATER MAINS BETWEEN STORM OR SEWER PIPING SHOULD BE ACCOMPLISHED BY USING OF 45° BENDS BOTH DOWN AND UP.
- 35. ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON THE PLANS AND ARE NOT NECESSARILY ACCURATE AS TO PLAN OR ELEVATION. UTILITY FACILITIES SUCH AS SERVICE LINES OR UNKNOWN FACILITIES NOT SHOWN ON THE PLANS WILL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITIES, EXCEPT AS NOTED BELOW. THE CONTRACTOR WILL NOT BE BESPONSIBLE FOR THE COST OF REPAIRS TO DAMAGED UTILITY FACILITIES OTHER THAN SERVICE LINES FROM STREET MAINS TO ABUTTING PROPERTY WHEN SUCH FACILITIES ARE NOT SHOWN ON THE PLANS AND THEIR EXISTENCE IS UNKNOWN TO THE CONTRACTOR PRIOR TO THE DAMAGES OCCURRING PROVIDING THE ENGINEER DETERMINES THE CONTRACTOR HAS OTHERWISE FULLY COMPLIED WITH THE SPECIFICATIONS.
- 36. CONTRACTOR(S) SHALL VERIFY THE LOCATION OF ALL UNDERGOUND UTILITIES. CONTRACTOR(S) ARE RESPONSIBLE FOR LOCATING, PROTECTING, REPAIRING, AND REPLACING ANY AND ALL UNDERGROUND UTILITIES DURING ALL PHASES OF CONSTRUCTION. COLEMAN COMPANY, INC. HAS MADE A DILIGENT EFFORT TO LOCATE ALL ABOVE AND BELOW GROUND UTILITIES BUT CANNOT GUARANTEE THAT ALL PRESENT UTILITIES HAVE BEEN IDENTIFIED. CONTRACTOR SHALL CALL UTILITY PROTECTION CENTER (1-800-282-7411) AT LEAST SEVENTY TWO (72) HOURS PRIOR TO DIGGING AND SHALL NOT BEGIN DIGGING UNTIL ALL UNDERGROUND UTILITY LOCATIONS ARE COMPLETE.
- 37. ALL DEMOLITION DEBRIS SHALL BE PROPERLY DISPOSED AT THE CONTRACTOR'S EXPENSE.
- 38. A CONTINUOUS RUN OF PLASTICIZED METALLIC TAPE SHALL BE INSTALLED ABOVE THE TOP OF PVC PIPE USED FOR GRAVITY SEWER AND FORCE MAINS AT APPROXIMATELY 30" BELOW FINISHED GRADE. THE TAPE SHALL BE SUITABLE FOR DETECTION WITH METAL PIPE LOCATION EQUIPMENT, COLOR CODED AND LABELED TO IDENTIFY CONTENTS OF THE PIPE AND BRIGHTLY COLORED TO CONTRAST WITH THE SOIL. IN ADDITION TO THE TAPE, A CONTINUOUS RUN OF TRACER WIRE SHALL BE ATTACHED. TO THE PIPE AND CONNECTED TO MANHOLE RINGS. ON PIPE RUNS GREATER THAN 500'. THE TRACER WIRE SHALL BE ATTACHED TO A 2" GALVANIZED PIPE WITH A 180 DEGREE BEND AT THE TOP, EXTENDING 36" ABOVE GRADE FOR CONNECTION TO LOCATOR EQUIPMENT. THE MAXIMUM DISTANCE BETWEEN 2" PIPE STUBS SHALL BE 500'.
- 39. ALL SANITARY SEWER LATERALS SHALL BE PROPERLY MARKED AT THE POINT WHERE LATERALS TERMINATE WITH PVC PIPE PAINTED GREEN, ADDITIONAL MARKINGS SHALL BE STAMPED IN THE CURB OR MARKED ON THE EDGE OF PAVING WITH AN APPROVED PERMANENT MARKER CAPABLE OF BEING LOCATED BY A MAGNETIC LOCATOR, SUCH AS A NAIL WITH CAP, IF NO CURB PRESENT. LATERALS SHALL BE MARKED WITH MARKING TAPE AND TRACER WIRE AS DESCRIBED ABOVE.
- 40. A CONTINUOUS RUN OF PLASTICIZED METALLIC TAPE SHALL BE INSTALLED ABOVE THE TOP OF PVC PIPE USED FOR WATER MAINS AT APPROXIMATELY 18" TO 24" BELOW FINISHED GRADE. THE TAPE SHALL BE SUITABLE FOR DETECTION WITH METAL PIPE LOCATION EQUIPMENT, COLOR CODED AND LABELED TO IDENTIFY CONTENTS OF THE PIPE AND BRIGHTLY COLORED TO CONTRAST WITH THE SOIL. IN ADDITION TO THE TAPE, A CONTINUOUS RUN OF TRACER WIRE SHALL BE ATTACHED TO THE PIPE AND CONNECTED TO CUBB STOPS AND BROUGHT TO TOP OF VALVE, ON PIPE BUNS GREATER THAN 500', THE TRACER WIRE SHALL BE ATTACHED TO A 2" GALVANIZED PIPE WITH A 180 DEGREE BEND AT THE TOP, EXTENDING 36" ABOVE GRADE FOR CONNECTION TO LOCATOR EQUIPMENT. THE MAXIMUM DISTANCE BETWEEN 2" PIPE STUBS SHALL BE 500'.
- 41. ALL WATER SERVICES SHALL BE PROPERLY MARKED ABOVE GROUND WITH PVC PIPE PAINTED BLUE. ADDITIONAL MARKINGS SHALL BE STAMPED IN THE CURB OR MARKED ON THE EDGE OF PAVING WITH AN APPROVED PERMANENT MARKER CAPABLE OF BEING LOCATED BY A MAGNETIC LOCATOR, SUCH AS A NAIL WITH CAP, IF NO CURB PRESENT. SERVICES SHALL BE MARKED WITH MARKING TAPE AND TRACER WIRE AS DESCRIBED ABOVE.
- 42. TRACER WIRE SHALL BE REQUIRED ON ALL STORM PIPE.
- 43. THE CONTRACTOR SHALL HAVE APPROVED PLANS ON SITE AT ALL TIMES DURING LAND DISTURBING ACTIVITIES.
- 44. THE CONTRACTOR SHALL HAVE A CERTIFIED EROSION AND SEDIMENTATION CONTROL INSPECTOR ON SITE AT ALL TIMES DURING LAND DISTURBING ACTIVITIES.

COUNTY'S LATEST CONSTRUCTION SPECIFICATIONS AND DETAILS.

- 47. FOR CITY WATER AND SEWER LINE LOCATIONS, CONTACT THE UTILITIES PROTECTION CENTER (1-800-282-7411) A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO DIGGING.

- 48.NO SOIL TEST HAS BEEN PERFORMED ON THIS SITE.

- GENERAL: ALL CASTINGS SHALL BE MANUFACTURED IN THE UNITED STATES OF AMERICA BY NEENAH FOUNDRY COMPANY, U.S. FOUNDRY & MANUFACTURING CORPORATION, EAST JORDAN IRON WORKS, INC. OR APPROVED EQUAL. THEY SHALL BE OF UNIFORM QUALITY, FREE FROM SAND HOLES, SHRINKAGE, CRACKS, COLD SHUTS OR OTHER DEFECTS. CASTINGS SHALL BE SMOOTH AND WELL CLEANED BY SHOT BLASTING.

- 49.STORM SEWER SPECIFICATIONS FOR MANHOLE COVER IN STREET:

THE SAME MEANING.

ACCESS FOR FIREFIGHTING

SECTION 3310

SECTION 3313

ADA NOTES:

3. RAMPS:

...

...

...

A. LANDINGS :

B. HANDRAILS

I ANDINGS.

HANDRAILS.

•• MAX SLOPE OF CURB RAMP 8.33% MAX SLOPE OF SIDE FLARES 10%

RAILS

4. CURB RAMPS :

5. PAVEMENT MARKINGS

8. ACCESSIBLE ROUTES :

ENGINEER'S NAME (PRINTED):

GSWCC LEVEL II CERTIFICATION NUMBER:

GEORGIA PE NUMBER:

6. PARKING SPACES :

7. SIGNAGE

••

••

1. ACCESSIBLE ROUTE - EXTERIOR:

A. 0 TO 1/4" : NO REQUIREMENTS B. 1/4" TO 1/2" : BEVEL WITH 1:2 SLOPE

MAX CROSS SLOPE OF RAMP 2% (1:50)

WHEN RAMP RISE IS GREATER THAN 6".

RAMP IF RAMP HAS DROP-OFFS.

•• MINIMUM 8' WIDE ACCESSIBLE PARKING SPACE.

MAXIMUM 2% (1:50) SLOPE IN ANY DIRECTION

THE BOTTOM OF ALL OTHER SIGN FACES).

•• MAX RAMP SLOPE 8.33% (1:12)

THROUGH 3313.5.

50.INTERNATIONAL FIRE CODE, 2012 EDITION:

WATER SUPPLY FOR FIRE PROTECTION

45. ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CITY OF POOLER AND CHATHAM

46.ALL CURB AND GUTTER TO BE 18" MOUNTABLE CONCRETE CURB AND GUTTER UNLESS OTHERWISE NOTED THE PLANS.

- MATERIALS: GRAY IRON CASTINGS SHALL BE MANUFACTURED FROM IRON CONFORMING TO ASTM A48 CLASS 35B AND ASTM A48 CLASS 30. DUCTILE IRON CASTINGS SHALL BE MANUFACTURED TRUE TO PATTERN AND COMPONENT PARTS SHALL FIT TOGETHER PROPERLY. ROUND MANHOLE FRAMES, COVERS AND GRATES SHALL HAVE MACHINED BEARING SURFACES TO PREVENT ROCKING. TOLERANCES SHALL BE ACCEPTED FOUNDRY STANDARDS AS OUTLINED IN THE IRON CASTINGS HANDROOK PUBLISHED BY THE AMERICAN FOUNDRYMEN'S SOCIETY, INC. CASTING'S WEIGHT SHALL NOT VARY MORE THAN 5% ABOVE OR BELOW THOSE VALUES REPRESENTED BY THE MANUFACTURER.
- MARKINGS: ALL CASTINGS SHALL BE CLEARLY MARKED WITH THE MANUFACTURE'S NAME. COMPANY LOGO AND "MADE IN USA" IN CAST LETTERS. ADDITIONALLY, THE TOP OR TRAFFIC SIDE OF ALL CASTINGS SHALL BE CLEARLY MARKED "STORM" AND "CITY OF POOLER " IN FLUSH CAST LETTERS AND THE TOP OR TRAFFIC SIDE OF ALL CASTINGS DESIGNED TO COLLECT WATER, (CATCH BASINS, GRATES, ETC.) SHALL BE CLEARLY MARKED "DRAINS TO RIVER - DO NOT DUMP" OR SIMILAR VERBIAGE THAT ACHIEVES
- REQUIRED ACCESS. APPROVED VEHICLE ACCESS FOR FIREFIGHTING SHALL BE PROVIDED TO ALL CONSTRUCTION OR DEMOLITION SITES. VEHICLE ACCESS SHALL BE PROVIDED TO WITHIN 100 FEET (30.5 METERS) OF TEMPORARY OR PERMANENT FIRE DEPARTMENT CONNECTIONS. VEHICLE ACCESS SHALL BE PROVIDED BY EITHER TEMPORARY OR PERMANENT ROADS, CAPABLE OF SUPPORTING VEHICLE LOADING UNDER ALL WEATHER CONDITIONS, VEHICLE ACCESS SHALL BE MAINTAINED UNTIL PERMANENT FIRE APPARATUS ACCESS ROADS ARE AVAILABLE.
- 3313.1 AN APPROVED WATER SUPPLY FOR FIRE PROTECTION, EITHER TEMPORARY OR PERMANENT, SHALL BE MADE AVAILABLE AS SOON AS COMBUSTIBLE MATERIAL ARRIVES ON THE SITE. ON COMMENCEMENT OF VERTICAL COMBUSTIBLE CONSTRUCTION AND ON INSTALLATION OF A STANDPIPE SYSTEM IN BUILDINGS UNDER CONSTRUCTION, IN ACCORDANCE WITH SECTIONS 3313.2
- 51.IN THE CASE OF ANY CONFLICT OF THESE CONSTRUCTION DOCUMENTS AND THE CITY OF POOLER CODIFIED ORDINANCES, STANDARDS, SPECIFICATIONS, OR DETAILS, THE CITY OF POOLER STANDARDS ARE TO TAKE PRECEDENCE.
- 52.PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION EXIT SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY INTO OR EXIT FROM THE SITE OR ONTO ANY PUBLIC RIGHT OF WAY. THE CONSTRUCTION EXIT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS, MATERIALS, DIMENSIONS, ETC. AS DESCRIBED IN THE CURRENT VERSION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S "MANUAL FOR EROSION AND SEDIMENT CONTROL". 53.MAXIMUM BUILDING HEIGHT IS TO BE 50' PER THE PUD MASTERPLAN
- MINIMUM CLEAR WIDTH IS 3'. IF ACCESSIBLE ROUTE HAS LESS THAN 5' CLEAR WIDTH, THEN PASSING SPACES AT LEAST 5'X5' SHALL BE LOCATED EVERY 200' OR LESS (INTERSECTING SIDEWALKS MEET THIS REQUIREMENT), LONGITUDINAL (RUNNING) SLOPE MAY NOT EXCEED 5% UNLESS RAMP IS INSTALLED (RAMPS MAY NOT EXCEED 8.33%). CROSS SLOPE MAY NOT
- EXCEED 2%. GAPS IN ROUTE MAY NOT EXCEED 1/2" IN WIDTH. 2. FINISHED SURFACE HEIGHT DIFFERENCE REQUIREMENTS:
- C. LARGER THAN 1/2" : CONFORM TO REQUIREMENTS FOR RAMP
- •• RAMPS STEEPER THAN 8.33% ARE NOT ACCEPTABLE MAX RISE FOR ANY RAMP RUN IS 30" (AT 8.33% SLOPE, MAXIMUM RUN OF RAMP IS 30')
 - BAMPS SHALL HAVE LEVEL LANDINGS AT BOTTOM AND TOP OF EACH BAMP.
 - LANDINGS SHALL BE AT LEAST AS WIDE AS RAMP LEADING TO IT. LANDING LENGTH SHALL BE MINIMUM 5' CLEAR IF RAMPS CHANGE DIRECTION AT LANDING, MINIMUM LANDING SIZE SHALL BE 5'X5'.
 - ALL LANDINGS ARE TO BE NO MORE THAN 2% SLOPE IN ANY DIRECTION.
 - HANDRAILS ARE REQUIRED ON BOTH SIDES (MIN. 36" CLEAR BETWEEN HANDRAILS)
 - PROVIDE MINIMUM 12" LONG HANDRAIL EXTENSIONS AT TOP AND BOTTOM PROVIDE MINIMUM 2" HIGH EDGE PROTECTION OR RAIL WITH LESS THAN 4" CLEAR TO
 - ROUTES BETWEEN BUILDINGS WITH ONLY DWELLING UNITS DO NOT HAVE TO HAVE
 - STAIRS ARE NOT ALLOWED AS PART OF ACCESSIBLE ROUTE BUT IF ADJACENT TO ROUTE OR PART OF TENANT THEY SPACE MUST MEET REQUIREMENTS FOR STAIR
- MAX SLOPE OF ADJOINING GUTTERS, ROAD SURFACE, OR ACCESSIBLE ROUTE 5%. MIN WIDTH 36" (NOT INCLUDING SIDE FLARES).
- DETECTABLE WARNING IS REQUIRED ON CURB RAMPS IN PUBLIC RIGHT OF WAYS, AND SHALL BE 24" MINIMUM IN THE DIRECTION OF TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE. DETECTABLE WARNINGS SHALL BE LOCATED SO THE EDGE NEAREST THE CURB LINE IS 6" TO 8" FROM THE CURB LINE.
- •• AS REQUIRED BY LOCAL JURISDICTIONAL AUTHORITY (RECOMMENDED CROSSWALK MARKING TO DESIGNATE ACCESSIBLE PEDESTRIAN ROUTE)
- MINIMUM 5' WIDE ACCESS AISLE AT STANDARD SPACES MINIMUM 8' WIDE ACCESS AISLE AT VAN ACCESSIBLE SPACES
- ACCESSIBLE PARKING SPACES SHALL BE DESIGNATED AS RESERVED BY A SIGN SHOWING THE SYMBOL OF ACCESSIBILITY. VAN ACCESSIBLE SPACES SHALL HAVE AN ADDITIONAL SIGN "VAN ACCESSIBLE" MOUNTED BELOW THE SYMBOL. SUCH SIGNS SHALL BE LOCATED SO THEY CANNOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE (SIGNAGE TO BE INSTALLED AT A MINIMUM HEIGHT OF 7' TO BOTTOM OF VAN ACCESSIBLE DESIGNATION, AND 7' MINIMUM TO
- MUST COMPLY WITH ADA, THE FAIR HOUSING ACT AND ICC/ANSI A117.1-2003
- DESIGN PROFESSIONAL'S CREDENTIALS:
 - TRAVIS BURKE, P 31215 8134

WATER - SEWER NOTES:

- 1. HIGHLY CHLORINATED WATER USED IN THE DISINFECTION PROCESS SHALL BE HANDLED AND
- DISPOSED OF IN ACCORDANCE WITH THE LATEST CITY OF POOLER CONSTRUCTION SPECIFICATIONS.
- 2. ANY PIPE, SOLDER AND FLUX USED DURING INSTALLATION OF THE WATER LINES MUST BE "LEAD FREE" IN ACCORDANCE WITH THE LATEST CITY OF POOLER CONSTRUCTION SPECIFICATIONS.
- 3. MAINTAIN MINIMUM HORIZONTAL/VERTICAL CLEARANCE IN ACCORDANCE WITH THE LATEST CITY OF POOLER CONSTRUCTION SPECIFICATIONS.
- 4. WHERE THE WATER MAIN CROSSES SEWER OR STORM PIPES, THE WATER LINE SHALL BE DUCTILE IRON IN ACCORDANCE WITH THE LATEST CITY OF POOLER CONSTRUCTION SPECIFICATIONS. 5. THE CONTRACTOR IS RESPONSIBLE TO BRING PROPOSED MANHOLE TOPS TO GRADE.
- 6. MAXIMUM COVER FOR THE WATER MAIN SHALL BE IN ACCORDANCE WITH THE LATEST CITY OF POOLER CONSTRUCTION SPECIFICATIONS.
- 7. CONTRACTOR TO VERIFY ALL INVERT ELEVATIONS OF SANITARY SEWER LATERALS PRIOR TO CONSTRUCTION. NOTIFY ENGINEER WITH INVERT DATA TO INSURE THERE ARE NO CONFLICTS.
- 8. ALL FILLING AND HYDROSTATIC TESTING OF NEW MAINS SHALL BE COORDINATED WITH AND WITNESSED BY THE CITY'S INSPECTOR
- 9. INTERNAL FIRE SPRINKLER PROTECTION IS TO BE DESIGNED AND SUBMITTED SEPARATELY, BY OTHERS, TO BUILDING INSPECTIONS AS NECESSARY.
- 10. INDUSTRIAL WASTEWATER DISCHARGE IS NOT ANTICIPATED NOR DESIGNED FOR WITH THIS DEVELOPMENT.
- 11. IN ADDITION TO THE SEDIMENTATION AND EROSION CONTROL MEASURES AS INDICATED ON THE PLANS THE CONTRACTOR SHALL TAKE WHATEVER ACTIONS AS ARE NECESSARY TO ENSURE THAT ALL SEDIMENTATION IS CONFINED TO THE SITE AND THAT NO OFFSITE EROSION IS CAUSED BY THE WORK EITHER DIRECTLY OR INDIRECTLY.

DEVELOPMENT REQUIREMENTS

FRONT SETBACK:	15'
SIDE YARD SETBACKS:	10'
REAR YARD SETBACK:	10'
IMPERVIOUS AREA	1 49 40 / 61 2%
IN LIVIOUU AILA.	1.45 AC/ 01.2/0

*PER PUD - FRONT SETBACK CAN VARY TO A MIN. 10' FROM R.O.W. TO PROMOTE STAGGERED FRONTAGES CANOPY

SETBACK FROM R.O.W. 45.	22'
BUILDING AREA =	10,900 S.F.
PARKING REQUIRED =	78 SPACES
PARKING PROVIDED =	96 SPACES, INCLUDING 4 ADA

SITE INFORMATION:

PARENT PIN: 51009 01116 ZONING DISTRICT: PUD FLOOD ZONE: ZONE X SIZE: 4.786 AC PROPOSED LAND USE: HOTEL

EROSION CONTROL NOTES:

1. EROSION CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL UTILIZE BEST MANAGEMENT PRACTICES (BMP) DURING ALL PHASES OF CONSTRUCTION AND SHALL INSTALL & MAINTAIN ALL EROSION CONTROL MEASURES ON THE SITE AT ALL TIMES IN ACCORDANCE WITH THESE PLANS AND THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

- 2. NARRATIVE DESCRIPTION:
 - LOCATION: 100 WILLIAM BLAKELY CROSSING POOLER, GEORGIA
 - <u>PINS:</u> 51009 01116 NATURE OF WORK: HOTEL AND ASSOCIATED INFRASTRUCTURE

 - TOTAL PROPERTY ACREAGE: 4.786 AC DISTURBED ACREAGE: 4.16 AC
- ZONING CLASSIFICATION: PUD
- PHASES: THE WORK WILL BE PERFORMED IN ONE PHASE.
- 3. THERE ARE NO APPARENT WATERS OF THE UNITED STATES WITHIN 200 FEET OF THE PROJECT
- 4. THERE ARE NO APPARENT WETLANDS PRESENT ON THE PROPERTY.
- 5. ALL SUITABLE TOPSOIL WILL BE STOCKPILED BY THE CONTRACTOR AND SPREAD IN PROPOSED VEGETATIVE AREAS PRIOR TO LANDSCAPE INSTALLATION.
- 6. THE SOILS ON SITE ARE : PELHAM LOAMY SAND (PI)
- 7. THIS SITE IS CURRENTLY UNDEVELOPED
- 8. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES. WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE OWNER.
- 9. THE CONTRACTOR SHALL ENSURE THAT STRUCTURAL EROSION CONTROL MEASURES ARE INSPECTED DAILY. ANY DEFICIENCIES, INCLUDING SEDIMENT ACCUMULATION AND REMOVAL, OBSERVED SHALL BE COBBECTED BY THE END OF THAT DAY'S WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A DAILY INSPECTION LOG AND NOTIFYING THE OWNER AND ENGINEER OF ANY DEFICIENCIES IDENTIFIED IN THE EROSION CONTROL MEASURES. EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS ARE STABILIZED.
- 10. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
- 11. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL. ADDITIONAL EROSION AND SEDIMENT CONTROL WILL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
- 12. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD OF GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
- 13. ACCORDING TO THE FLOOD INSURANCE RATE MAPS, AS PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY. THIS PROJECT SITE DOES NOT APPEAR TO LIE IN A FLOOD HAZARD AREA AS DEPICTED ON FIRM PANEL NO. 13051C0109F EFFECTIVE DATE: AUGUST 16, 2018.
- 14. CONTACT INFORMATION:
- **CIVIL ENGINEER:** FRAVIS G. BURKE, PE COLEMAN COMPANY, INC. 1480 CHATHAM PKWY
- SAVANNAH, GA 31405 P: 912.200.3041 F: 912.200.3056
- OWNER/REPRESENTATIVE CONTACT: MARSHALL DESIGN BUILD ATTN: TRAVIS MARSHALL 4437 ATLANTA HIGHWAY MONTGOMERY, AL, 36109
- 16. THE INITIAL RECEIVING WATER FOR THIS PROJECT IS A WET POND TOWARD THE SAVANNAH AND OGEECHEE CANAL. FINAL RECEIVING WATERS ARE THE LITTLE OGEECHEE RIVER AND ONTO THE ATLANTIC OCEAN.
- 17. ANY ON-SITE FUEL STORAGE TANK MUST BE PROTECTED FROM LEAKS, SPILLS, AND RUPTURE AS PER APPLICABLE CODES.
- 18. SILT FENCE MUST BE INSPECTED DAILY FOR FAILURES AND CLEANED OUT WHEN SILT REACHES 1/2 THE FENCE HEIGHT 19. ALL TEMPORARY BMPS FOR EROSION & SEDIMENT CONTROL SHALL BE REMOVED ONCE FINAL STABILIZATION IS ACHIEVED.

	COLEMAN COMPANY BUGUERNA COMPANY Savanah, Georgia I (912) 200-3041 COLSAV.COM
RELEASED FOR CONSTRUCTION	CEORGIP * REGISTERES * No. 031215 PROFESSIONAL - PROFESSIONAL - PROFESSIO
REVIS	IONS:
CIVIL CONSTRUCTION PLANS FOR	LOT A BLAKELY COMMONS LOCATED IN POOLER, GEORGIA PREPARED FOR MARSHALL DESIGN BUILD
JOB N DATE DRAV	NUMBER: 23-245 : 08/05/2024 VN BY: DJM
CHEC SCAL	E: AS NOTED
	NOTES
SHE	
	U.U







SSMH TOP:17.67' IE(N): 5.94' IE(E): 5.90'	SITE DATA:TOTAL SITE AREA:4.786 ACZONING:PUDFLOOD ZONE:ZONE XEXISTING LAND USE:VACANTPROPOSED LAND USE:BUSINESS HOTELPROPOSED BUILDING HEIGHT:46 FT 4 IN.MAXIMUM BUILDING HEIGHT:50 FT.SITE INFORMATION:SO FT.PROPERTY ADDRESS:100 WILLIAM BLAKELY CROSSING, POOLER GA.PROPERTY PIN:51009 0116PROPERTY AREA:4.786 ACBUILDING:4.STORY BUSINESS HOTELDAGO SPACE PER ROOM: $= 0.80 SPACE X 33 ROOMS$ $= 75 SPACES$ 1 ADA SPACE PER 25 SPACES = 78/25 = 4 ADA SPACES $= 3 SPACES$ DAUGNO DEDUNCTO DEDUNCT A DOMOCO ADDA CONCECNONCONCEC	<text></text>
LOT B LAKELY COMMONS PB 53, PG 679	PARKING PROVIDED = 96 SPACES, INCLUDING 4 ADA SPACES DEVELOPMENT REQUIREMENTS: FRONT SETBACK: 19FT SIDE YARD SETBACK: 10FT LANDSCAPE REQUIREMENTS: REQUIRED TREES: 15 TREES PER ACRE NOTES: 1 THIS PROPERTY IS LOCATED IN ZONE X, NOT WITHIN A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), FLOOD INSURANCE RATE MAP NUMBER 13051C0109G, EFFECTIVE DATE: 08/16/2018 2 THE HORIZONTAL DATUM OF THIS SURVEY IS BASED ON GRID NORTH, GEORGIA STATE PLANE, EAST ZONE, NAD 83. 3. SURVEY PREPARED BY COLEMAN COMPANY, INC 4. WATER AND SEWER WILL BE PROVIDED BY CITY OF POOLER. 5. THER ARE NO APPARENT WETLAND AREAS FOUND IN AND/OR WITHIN 200 FEET OF THE PROJECT AREA. 6. THERE ARE NO APPARENT WETLAND AREAS FOUND IN AND/OR WITHIN 200 FEET OF THE PROJECT AREA. 7. ALL BUILDING SETBACKS ARE TO CONFORM TO LOCAL ZONING ORDINANCES. 8. THIS PROPERTY IS SUBJECT TO ANY AND ALL EASEMENTS, COVENANTS, OR RESTRICTIONS EITHER RECORDED OR UNRECORDED.	REVISIONS:
RECYCLING ENCLOSURE URAL PLANS	5X5" R/W CMF	CIVIL CONSTRUCTION PLANS FOR LOT A BLAKELY COMMONS LOCATED IN POOLER, GEORGIA PREPARED FOR MARSHALL DESIGN BUILD
	WHITE PAINT	JOB NUMBER: 23-245 DATE: 08/05/2024 DRAWN BY: DJM CHECKED BY: TGB SCALE: AS NOTED STAKING PLAN SHEET: C2.0











	SI	ATION HORIZ	ONTAL SO	CALE 1" = 5	50'
STR	RM 1	CEN	TERI	_INE	PROFILE
STA.	0 + 0	0.00	TO	STA.	4+00.00

8 COLEMAN COMPANY, INC. DATE PLOTTED: 8/16/2024 8:41 AM BY: Devin Mashek DRAWING PATH: Q:\2023\23-245.000\DWG\Civil\23-245 UTILITY.dwg

STATION HORIZONTAL SCALE 1" = 50'

STR	RM 2	2 CEN	ITERI	_INE	PROFILE
STA.	0 +	00.00	TO	STA.	5+50.00

	COLEMAN COMPANYBIGINEERS • SURVEYORSSavanah, Georgia 1 (012) 200-3041 1 CC1-SAV.COM
RELEASED FOR CONSTRUCTION	CEORGIP * REGISTERED * No. 031215 PROFESSIONAL HRVGINEES CORGINE * No. 031215 PROFESSIONAL HRVGINEES CORGINAL HRVGINES CORGI
REVIS	
CIVIL CONSTRUCTION PLANS FOR	LOT A BLAKELY COMMONS LOCATED IN POOLER, GEORGIA PREPARED FOR MARSHALL DESIGN BUILD
JOB N DATE DRAV CHEC SCAL	NUMBER: 23-245 : 08/05/2024 VN BY: DJM CKED BY: TGB E: AS NOTED
SHE	PROFILES
	C7.0



Know what's below. Call before you dig.







DESIGN PROFESSIONAL'S CREDENTIALS:ENGINEER'S NAME (PRINTED):TRAVIS BURKE, PEGEORGIA PE NUMBER:31215GSWCC LEVEL II CERTIFICATION NUMBER:8134











	COLEMAN COMPANY	ENGINEERS • SURVEYORS	Savannah, Georgia (912) 200-3041 CCI-SAV.COM
RELEASED FOR CONSTRUCTION	X PROF X PROF	RG STERED 031215 ESSIONAL VGINEES SG. BUS	× + + + + + + + + + + + + + + + + + + +
REVIS	ions:		
CIVIL CONSTRUCTION PLANS FOR	LOTA	BLAKELY COMMONS	Located in Pooler, georgia Prepared For Marshall Design Build
JOB N DATE: DRAV	IUMBER: VN BY:	08/0	23-245)5/2024 DJM
SCAL		AS JCT	NOTED
	DETA	AILS	
	C8	8.(
	_ •		-

Know what's below. Call before you dig.

GSWCC LEVEL II CERTIFICATION NUMBER: 8134

DESIGN PROFESSIONAL'S CREDENTIALS:

ENGINEER'S NAME (PRINTED): GEORGIA PE NUMBER:

UNIFORMLY WITH HYDRAULIC SEEDING EQUIPMENT.

GSWCC LEVEL II CERTIFICATION NUMBER: 8134

NRCS ORIGINAL SUBMITTAL: 6/5/2023 NRCS SECOND SUBMITTAL

CRUSHED STONE CONSTRUCTION EXIT

urbed area stabilization

THE ESTABLISHMENT OF TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS FOR SEASONAL PROTECTION ON

TEMPORARY GRASSING, INSTEAD OF MULCH, CAN BE APPLIED TO ROUGH GRADED AREAS THAT WILL BE EXPOSED FOR

ASSURE ECONOMICAL AND EFFECTIVE STABILIZATION. MOST TYPES OF TEMPORARY VEGETATION ARE IDEAL TO USE AS

COMPANION CROPS UNTIL THE PERMANENT VEGETATION IS ESTABLISHED.

HANDSEEDING, SEEDBED PREPARATION IS NOT REQUIRED IF THE

SOIL MATERIAL IS LOOSE AND NOT SEALED BY RAINFALL.

ONE TON PER ACRE. GRADED AREAS REQUIRE LIME

COVER SEED WITH SOIL IF SEEDED BY HAND.

APPLICATIONS SHOULD BE MADE WHEN NEEDED.

SUCH AS CLOSED DRAINS, DITCHES, DIKES, DIVERSIONS, SEDIMENT BARRIERS AND OTHERS.

LESS THAN SIX MONTHS. TEMPORARY VEGETATIVE MEASURES SHOULD BE COORDINATED WITH PERMANENT MEASURES TO

EXCESSIVE WATER RUN-OFF SHALL BE REDUCED BY PROPERLY DESIGNED AND INSTALLED EROSION CONTROL PRACTICES

NO SHAPING OR GRADING IS REQUIRED IF SLOPES CAN BE STABILIZED BY HAND-SEEDED VEGETATION OR IF HYDRAULIC

WHEN A HYDRAULIC SEEDER IS USED, SEEDBED PREPARATION IS NOT REQUIRED. WHEN USING CONVENTIONAL OR

WHEN SOIL HAS BEEN SEALED BY RAINFALL OR CONSISTS OF SMOOTH CUT SLOPES, THE SOIL SHALL BE PITTED,

AGRICULTURAL LIME IS REQUIRED UNLESS SOIL TESTS INDICATE OTHERWISE. APPLY AGRICULTURAL LIME AT A RATE OF

APPLICATION. SOILS CAN BE TESTED TO DETERMINE IF FERTILIZER IS NEEDED. ON REASONABLY FERTILE SOILS OR SOIL

MATERIAL, FERTILIZER IS NOT REQUIRED. FOR SOILS WITH VERY LOW FERTILITY, 500 TO 700 POUNDS OF 10-10-10

FERTILIZER OR THE EQUIVALENT PER ACRE (12-16 LBS./1,000 SQ. FT.) SHALL BE APPLIED. FERTILIZER SHOULD BE

SELECT A GRASS OR GRASS-LEGUME MIXTURE SUITABLE TO THE AREA AND SEASON OF THE SEED SHALL BE APPLIED

SEED AND FERTILIZER). DRILL OR CULTIPACKER SEEDERS SHOULD NORMALLY PLACE SEED ONE-QUARTER TO ONE-HALF

UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDRAULIC SEEDER (SLURRY INCLUDING

INCH APPROPRIATE DEPTH OF PLANTING IS TEN TIMES THE SEED DIAMETER. SOIL SHOULD BE "RAKED" LIGHTLY TO

TEMPORARY VEGETATION CAN, IN MOST CASES, BE ESTABLISHED WITHOUT THE USE OF MULCH WITHOUT SEEDING

SHOULD BE CONSIDERED FOR SHORT TERM PROTECTION. REFER TO DS1 - DISTURBED AREA STABILIZATION (WITH

DURING TIMES OF DROUGHT, WATER SHALL BE APPLIED AT A RATE NOT CAUSING RUNOFF AND EROSION. THE SOIL

SEEDING RATES FOR

TEMPORARY SEEDING

0.1 LB

* UNUSUAL SITE CONDITIONS MAY REQUIRE HEAVIER

** SEEDING DATES MAY NEED TO BE ALTERED TO FIT TEMPERATURE VARIATIONS AND CONDITIONS.

RATE PER RATE PER PLANTING

1,000 SF | ACRE* | DATES**

3.9 LBS 3 BU 9/1-3/1

0.9 LB 40 LBS 8/15-4/1

0.9 LB 40 LBS 1/15-3/15

1.4 LBS | 60 LBS | 3/1-8-1

0.9 LB | 40 LBS | 4/1-7/15

4.1 LBS 3 BU 9/15-2/1

4 LBS 2/15-6/15

SHALL BE THOROUGHLY WETTED TO A DEPTH THAT WILL INSURE GERMINATION OF THE SEED. SUBSEQUENT

SPECIES

RYFGRASS

LESPEDEZA

ANNUA

WEEPING

LOVEGRASS

BROWNTOP

MILLET

WHFAT

SUDANGRASS

SEEDING RATES

I RYF

TRENCHED OR OTHERWISE SCARIFIED TO PROVIDE A PLACE FOR SEED TO LODGE AND GERMINATE.

APPLIED BEFORE LAND PREPARATION AND INCORPORATED WITH A DISK, RIPPER OR CHISEL.

WITH TEMPORARY SEEDING

NOT TO SCALE

DISTURBED OR DENUDED AREAS.

Ds2

<u>DEFINITION</u>

CONDITIONS

SPECIFICATIONS

GRADING AND SHAPING

SEEDBED PREPARATION

LIME AND FERTILIZER

SEEDING

MULCHING

MULCHING ONLY).

IRRIGATION

SEEDING EQUIPMENT IS TO BE USED.

DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.

EXIT DIAGRAM

ENTRANCE ELEVATION

2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.

3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).

5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.

6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%..

GEOTEXTILE

UNDERLINER

1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.

7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.

MULCHING WITHOUT TEMPORARY GRASSING: WOOD MULCH SHALL BE PLACED AT A RATE OF 140 TONS PER ACRE AND

FERTILIZER: FOR SOILS WITH VERY LOW FERTILITY, APPLY 500-700 LBS

AGRICULTURAL LIME IS REQUIRED AT THE RATE OF ONE TO TWO TONS PER

ACRE 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.

SOIL TEST ARE REQUIRED PRIOR TO PERMANENT VEGETATION. PERMANENT

MIX THE SEED (INOCULATED IF NEEDED), FERTILIZER, AND WOOD CELLULOSE

OR WOOD PULP FIBER MULCH WITH WATER AND APPLY IN A SLURRY

MULCH 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

CAN BE USED. DRY STRAW SHALL BE APPLIED AT A RATE OF 2 TONS

1. DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS

PER ACRE. DRY HAY SHALL BE APPLIED AT A RATE OF 2-1/2 TONS PER

2. WOOD CELLULOSE MULCH OR WOOD PULP FIBER WILL BE USED WITH

PER ACRE. DRY STRAW OR DRY HAY SHALL BE APPLIED (AT THE RATE

3. ONE THOUSAND POUNDS OF WOOD CELLULOSE OR WOOD PULP FIBER,

WHICH INCLUDES A TACKIFIER, SHALL BE USED WITH HYDRAULIC SEEDING

4. <u>SERICEA LÉSPEDEZA HAY</u> CONTAINING MATURE SEED SHALL BE APPLIED

5. <u>PINE STRAW OR PINE BARK</u> SHALL BE APPLIED AT A THICKNESS OF 3

ORNAMENTALS OR OTHER GROUND COVERS ARE PLANTED. THIS IS NOT

6. WHEN USING TEMPORARY EROSION CONTROL BLANKETS OR BLOCK SOD,

7. <u>BITUMINOUS TREATED ROVING</u> MAY BE APPLIED ON PLANTED AREAS ON

BITUMINOUS TREATED ROVING SHALL BE APPLIED WITHIN 24 HOURS AFTER AN AREA HAS BEEN PLANTED. APPLICATION RATES AND MATERIALS MUST

GERMINATION OR GROWTH INHIBITING FACTORS. THEY SHALL BE EVENLY

TO ALLOW VISUAL METERING AND AID IN UNIFORM APPLICATION DURING

STRAW OR HAY MULCH WILL BE SPREAD UNIFORMLY WITHIN 24 HOURS

BLOWER-TYPE SPREADING EQUIPMENT, OTHER SPREADING EQUIPMENT OR

SURFACE. WOOD CELLULOSE OR WOOD FIBER MULCH SHALL BE APPLIED

AFTER SEEDING AND/OR PLANTING. THE MULCH MY BE SPREAD BY

BY HAND. MULCH SHALL BE APPLIED TO COVER 75% OF THE SOIL

DISPERSED WHEN AGITATED IN WATER. THE FIBERS SHALL CONTAIN A DYE

INCHES FOR BEDDING PURPOSES. OTHER SUITABLE MATERIALS IN

SUFFICIENT QUALITY MAY BE USED WHERE ORNAMENTALS OR OTHER

SUITABLE MATERIALS IN SUFFICIENT QUANTITY MAY BE USED WHERE

SLOPES, IN DITCHES OR DRY WATERWAYS TO PREVENT EROSION.

MEET GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.

* WOOD CELLULOSE AND WOOD PULP FIBERS SHALL NOT CONTAIN

INDICATED ABOVE) AFTER HYDRAULIC SEEDING.

ON SLOPES 3/4:1 OR STEEPER.

APPROPRIATE FOR SEEDED AREAS.

MULCH IS NOT REQUIRED.

SEEDING.

APPLYING MULCH:

AT A RATE OF THREE TONS PER ACRE.

HYDRAULIC SEEDING. IT SHALL BE APPLIED AT THE RATE OF 500 POUNDS

UNIFORMLY OVER THE AREA TO BE TREATED. APPLY WITHIN ONE HOUR

10-10-10 PER ACRE FERTILIZER SHOULD BE APPLIED BEFORE LAND

PREPARATION AND INCORPORATED WITH A DISK, RIPPER OR CHISEL.

APPLIED TO A DEPTH OF 2 TO 3 INCHES.

AGRICULTURAL LIME: APPLY 1 TON/ACRE

TEMPORARY GRASSING:

PERMANENT GRASSING

GRASSING SHALL BE SOD.

AFTER THE MIXTURE IS MADE.

HYDRAULIC SEEDING:

INDICATED

4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".

8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL

CULVERT UNDER-ENTRANCE (IF NEEDED) DIVERSION RIDGE -(SEE NOTE 6)

N.S.A. R-2 (1.5"-3.5")

TIRE WASHRACK AREA

SUPPLY WATER TO WASH-

DEVICE)

WHEELS IF NECESSARY

COARSE AGGREGATE GEOTEXTILE UNDERLINER -

TIRE WASHERS

HARD SURFACE PUBLIC ROAD

- COURSE AGGREGATE

-ORIGINAL GRADE

(N.S.A. R-2)

- SEDIMENT TRAF (SEE NOTE 8)

10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP

[RENCH_

FARRI

1. THE FABRIC AND WIRE SHOULD BE SECURELY FASTENED TO POSTS AND FABRIC ENDS MUST BE OVERLAPPED A MINIMUM OF 18" OR WRAPPED TOGETHER AROUND A POST TO PROVIDE A CONTINUOUS FABRIC BARRIER AROUND THE INLET.

ADDED AND THE PLANT SHALL BE SET IN THE HOLE.

AT A RATE OF 2 1/2 TONS PER ACRE.

BE APPLIED (AT THE RATE INDICATED ABOVE) AFTER HYDRAULIC SEEDING.

MUST MEET GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.

OR CSS-1H EMULSIFIED ASPHALT AND 100 GALLONS OF WATER PER TON OF MULCH.

ERECT POSITION. MULCH SHALL NOT BE PLOWED INTO THE SOIL.

CARE SHALL BE TAKEN AT ALL TIMES TO PROTECT STATE WATERS, THE PUBLIC, ADJACENT

MULCHING

AND APPLY AS INDICATED:

TONS PER ACRE.

SEEDED AREAS.

REQUIRED.

SEEDING.

SURFACE.

EQUIPMENT.

METHODS:

ANCHORING MULCH

FOUIPMENT

DISCOLORATION.

(now what's Deloy

Call before you dig

APPLYING MULCH

NOT TO SCALE

_ _ _

- _ _ _ L _ _

FRONT VIEW

SILT FENCE - TYPE NON-SENSITIVE

INDIVIDUAL PLANTS THE PLANTING OF PERENNIAL VEGETATION SUCH AS TREES, SHRUBS, VINES, GRASSES, OR LEGUMES ON EXPOSED AREAS FOR FINAL PERMANENT STABILIZATION. PERMANENT PERENNIAL VEGETATION

CONDITIONS

PERMANENT PERENNIAL VEGETATION IS USED TO PROVIDE A PROTECTIVE COVER FOR EXPOSED AREAS INCLUDING CUTS, FILLS, DAMS, AND OTHER DENUDED AREAS.

EQUIPMENT IS TO BE USED. VERTICAL BANKS SHALL BE SLOPED TO ENABLE PLANT ESTABLISHMENT.

CONCENTRATIONS OF WATER THAT WILL CAUSE EXCESSIVE SOIL EROSION SHALL BE DIVERTED TO A

EQUIPMENT IS TO BE USED. WHEN CONVENTIONAL SEEDING IS TO BE USED, SEEDBED PREPARATION

SOIL; ALLOW FOR THE PROPER PLACEMENT OF SEED, SPRIGS, OR PLANTS; AND ALLOW FOR

4. ON SLOPES TOO STEEP FOR THE SAFE OPERATION OF TILLAGE EQUIPMENT, THE SOIL SURFACE

SHALL BE PITTED OR TRENCHED ACROSS THE SLOPE WITH APPROPRIATE HAND TOOLS TO

PROVIDE TWO PLACES 6 TO 8 INCHES APART IN WHICH SEED MAY LODGE AND GERMINATE.

1. WHERE INDIVIDUAL PLANTS ARE TO BE SET, THE SOIL SHALL BE PREPARED BY EXCAVATING

2. FOR NURSERY STOCK PLANTS, HOLES SHALL BE LARGE ENOUGH TO ACCOMMODATE ROOTS

WHERE PINE SEEDLINGS ARE TO BE PLANTED, SUBSOIL UNDER THE ROW 36 INCHES DEEP ON

THE CONTOUR FOUR TO SIX MONTHS PRIOR TO PLANTING. SUBSOILING SHOULD BE DONE

MIX THE SEED (INNOCULATED IF NEEDED), FERTILIZER, AND WOOD CELLULOSE OR WOOD PULP

SEEDING WILL BE DONE ON A FRESHLY PREPARED AND FIRMED SEEDBED. FOR BROADCAST

PLANTING, USE A CULTIPACKER SEEDER, DRILL, ROTARY SEEDER, OTHER MECHANICAL SEEDER, OR

HAND SEEDING TO DISTRIBUTE THE SEED UNIFORMLY OVER THE AREA TO BE TREATED. COVER THE

SEED LIGHTLY WITH 1/8 TO 1/4 INCH OF SOIL FOR SMALL SEED AND 1/2 TO 1 INCH FOR LARGE

NO-TILL SEEDING IS PERMISSIBLE INTO ANNUAL COVER CROPS WHEN PLANTING IS DONE FOLLOWING

ALLOW ADEQUATE GROWTH OF THE PERMANENT (PERENNIAL) SPECIES. NO-TILL SEEDING SHALL BE

MATURITY OF THE COVER CROP OR IF THE TEMPORARY COVER STAND IS SPARSE ENOUGH TO

DONE WITH APPROPRIATE NO-TILL SEEDING EQUIPMENT. THE SEED MUST BE UNIFORMLY

FIBER MULCH WITH WATER AND APPLY IN A SLURRY UNIFORMLY OVER THE AREA TO BE TREATED.

WHEN CONVENTIONAL SEEDING AND FERTILIZING ARE TO BE DONE, GRADE AND SHAPE WHERE

FEASIBLE AND PRACTICAL, SO THAT EQUIPMENT CAN BE USED SAFELY AND EFFICIENTLY DURING

SEEDBED PREPARATION, SEEDING, MULCHING AND MAINTENANCE OF THE VEGETATION.

SAFE OUTLET. DIVERSIONS AND OTHER TREATMENT PRACTICES SHALL CONFORM WITH THE

SEEDBED PREPARATION MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING

1. TILLAGE AT A MINIMUM, SHALL ADEQUATELY LOOSEN THE SOIL TO A DEPTH OF 4 TO 6 INCHES; ALLEVIATE COMPACTION; INCORPORATE LIME AND FERTILIZER; SMOOTH AND FIRM THE

THE ANCHORING OF STRAW OR HAY MULCH IF A DISK IS TO BE USED.

2. TILLAGE MAY BE DONE WITH ANY SUITABLE EQUIPMENT.

HOLES, OPENING FURROWS, OR DIBBLE PLANTING.

APPLY WITHIN ONE HOUR AFTER THE MIXTURE IS MADE.

DISTRIBUTED AND PLANTED AT THE PROPER DEPTH.

SEED WHEN USING A CULTIPACKER OR OTHER SUITABLE EQUIPMENT.

WHEN THE SOIL IS DRY, PREFERABLY IN AUGUST OR SEPTEMBER.

HYDRAULIC SEEDING MAY ALSO BE USED.

3. TILLAGE SHOULD BE DONE ON THE CONTOUR WHERE FEASIBLE.

JRBED AREA STABILIZATION

WITH PERMANENT VEGETATION)

SPECIFICATIONS

GRADING AND SHAPING

SEEDBED PREPARATION

BROADCAST PLANTINGS

INDIVIDUAL PLANTS

PLANTING

HYDRAULIC SEEDING

CONVENTIONAL SEEDING

NO-TILL SEEDING

WITHOUT CROWDING.

WILL BE DONE AS FOLLOWS:

Ds3

<u>DEFINITION</u>

GRADING AND SHAPING MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING

SHALL BE USED TO ACHIEVE FINAL STABILIZATION.

APPROPRIATE STANDARDS AND SPECIFICATIONS.

END OF FABRIC FENCE

SHRUBS, VINES AND SPRIGS MAY BE PLANTED WITH APPROPRIATE PLANTERS OR HAND PINE TREES SHALL BE PLANTED MANUALLY IN THE SUBSOIL FURROW. EACH PLANT SHALL BE SET IN A MANNER THAT WILL AVOID CROWDING THE ROOTS. NURSERY STOCK PLANTS SHALL BE PLANTED AT THE SAME

DEPTH OR SLIGHTLY DEEPER THAN THEY GREW AT THE NURSERY. THE TIPS OF VINES AND SPRIGS MUST BE AT OR SLIGHTLY ABOVE THE GROUND SURFACE. WHERE INDIVIDUAL HOLES ARE DUG, FERTILIZER SHALL BE PLACED IN THE BOTTOM OF THE HOLE, TWO INCHES OF SOIL SHALL BE

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

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 2 TONS PER ACRE. DRY HAY SHALL BE APPLIED

2. WOOD CELLULOSE MULCH OR WOOD PULP FIBER SHALL BE USED WITH HYDRAULIC SEEDING. IT SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE. DRYSTRAW OR DRY HAY SHALL

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. 4. SERICEA LESPEDEZA HAY CONTAINING MATURE SEED SHALL BE APPLIED AT A RATE OF THREE

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 ORNAMENTALS OR OTHER GROUND COVERS ARE PLANTED. THIS IS NOT APPROPRIATE FOR

6. WHEN USING TEMPORARY EROSION CONTROL BLANKETS OR BLOCK SOD, MULCH IS NOT

7. BITUMINOUS TREATED ROVING MAY BE APPLIED ON PLANTED AREAS ON SLOPES, IN DITCHES OR DRY WATERWAYS TO PREVENT EROSION. BITUMINOUS TREATED ROVING SHALL BE APPLIED WITHIN 24 HOURS AFTER AN AREA HAS BEEN PLANTED. APPLICATION RATES AND MATERIALS

WOOD CELLULOSE AND WOOD PULP FIBERS SHALL NOT CONTAIN GERMINATION OR GROWTH INHIBITING FACTORS. THEY SHALL BE EVENLY DISPERSED WHEN AGITATED IN WATER. THE FIBERS SHALL CONTAIN A DYE TO ALLOW VISUAL METERING AND AID IN UNIFORM APPLICATION DURING

STRAW OR HAY MULCH WILL BE SPREAD UNIFORMLY WITHIN 24 HOURS AFTER SEEDING AND/OR

PLANTING. THE MULCH MAY BE SPREAD BY BLOWER-TYPE SPREADING EQUIPMENT, OTHER SPREADING EQUIPMENT OR BY HAND. MULCH SHALL BE APPLIED TO COVER 75% OF THE SOIL WOOD CELLULOSE OR WOOD FIBER MULCH SHALL BE APPLIED UNIFORMLY WITH HYDRAULIC SEEDING

ANCHOR STRAW OR HAY MULCH IMMEDIATELY AFTER APPLICATION BY ONE OF THE FOLLOWING

1. EMULSIFIED ASPHALT CAN BE (A) SPRAYED UNIFORMLY ONTO THE MULCH AS IT IS EJECTED FROM THE BLOWER MACHINE OR (B) SPRAYED ON THE MULCH IMMEDIATELY FOLLOWING MULCH APPLICATION WHEN STRAW OR HAY IS SPREAD BY METHODS OTHER THAN SPECIAL BLOWER

THE COMBINATION OF ASPHALT EMULSION AND WATER SHALL CONSIST OF A HOMOGENEOUS MIXTURE SATISFACTORY FOR SPRAYING. THE MIXTURE SHALL CONSIST OF 100 GALLONS OF GRADE SS-1H

PROPERTY, PAVEMENTS, CURBS, SIDEWALKS, AND ALL OTHER STRUCTURES FROM ASPHALT 2. HAY AND STRAW MULCH SHALL BE PRESSED INTO THE SOIL IMMEDIATELY AFTER THE MULCH IS SPREAD. A SPECIAL "PACKER DISK" OR DISK HARROW WITH THE DISKS SET STRAIGHT MAY BE USED. THE DISKS MAY BE SMOOTH OR SERRATED AND SHOULD BE 20 INCHES OR MORE IN DIAMETER AND 8 TO 12 INCHES APART. THE EDGES OF THE DISKS SHALL BE DULL ENOUGH TO PRESS THE MULCH INTO THE GROUND WITHOUT CUTTING IT, LEAVING MUCH OF IT IN AN

3. SYNTHETIC TACKIFIERS OR BINDERS APPROVED BY GDOT SHALL BE APPLIED IN CONJUNCTION WITH OR IMMEDIATELY AFTER THE MULCH IS SPREAD. SYNTHETIC TACKIFIERS SHALL BE MIXED AND APPLIED ACCORDING TO MANUFACTURER'S SPECIFICATIONS. REFER TO TB - TACKIFIERS AND BINDERS.

- 4. RYE OR WHEAT CAN BE INCLUDED WITH FALL AND WINTER PLANTINGS TO STABILIZE THE THEY SHALL BE APPLIED AT A RATE OF ONE-QUARTER TO ONE HALF BUSHEL PER ACRE.
- 5. PLASTIC MESH OR NETTING WITH MESH NO LARGER THAN ONE INCH BY ONE INCH MAY BE NEEDED TO ANCHOR STRAW OR HAY MULCH ON UNSTABLE SOILS AND CONCENTRATED FLOW THESE MATERIALS SHALL BE INSTALLED AND ANCHORED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

IRRIGATION

NOT TO SCALE

IRRIGATION SHALL BE APPLIED AT A RATE THAT WILL NOT CAUSE RUNOFF SEEDING RATES FOR PERMANENT SEEDING RATE PER RATE PER PLANTING SPECIES 1,000 SF ACRE* DATES** 1.4 LBS | 60 LBS | 1/1-12/31 RAHIA BERMUDA 0.2 LB | 10 LBS | 2/15-7/1 BLOCK SOD BLOCK SOD

CENTIPEDE	ONLY	ONLY	4/1-//1
LESPEDEZA	1.7 LB	75 LBS	1/1-12/31
WEEPING LOVE GRASS	0.1 LB	4 LBS	2/1-6/15
SWITCHGRASS	0.9 LBS	40 LBS	3/15-6/1
* UNUSUAL	SITE CONDITION	IS MAY REQU	JIRE HEAVIER

SEEDING RATES * SEEDING DATES MAY NEED TO BE ALTERED TO FIT TEMPERATURE VARIATIONS AND CONDITIONS.

LIME AND FERTILIZER AGRICULTURAL LIME IS REQUIRED UNLESS SOIL TESTS INDICATE OTHERWISE. APPLY AGRICULTURAL LIME AT A RATE OF ONE TON PER ACRE. GRADED AREAS REQUIRE LIME APPLICATION. SOILS CAN BE TESTED TO DETERMINE IF FERTILIZER IS NEEDED. ON REASONABLY FERTILE SOILS, OR SOIL MATERIAL, FERTILIZER IS NOT REQUIRED. FOR SOILS WITH VERY LOW FERTILITY, 500 TO 700 POUNDS OF 10-10-10 FERTILIZER OR THE EQUIVALENT PER ACRE (12-16 LBS./1,000 SQ. FT.) SHALL BE APPLIED BEFORE LAND PREPARATION AND INCORPORATED WITH A DISK, RIPPER OR CHISEL.

DUST CONTROL ON DISTURBED AREAS

CONTRACTOR SHALL EMPLOY THE FOLLOWING TEMPORARY METHODS TO LIMIT THE SURFACE AND AIR MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES:

EMPORARY METHODS:		*PERMANENT	METHODS
-MULCHES -VEGETATIVE COVER -SPRAY ON ADHESIVES -TILLAGE -IRRIGATION -BARRIERS -CALCIUM CHLORIDE		- PERMAN - TOPSOIL - STONE	ENT VEGETATION COVER
	*CHE	MICAL CONTROL	
ADHESIVE ADHESIVE	WATER DILUTION	TYPE OF NOZZLE	APPLICATION RATE (GAL/AC)
ANIONIC ASPHALT EMULSION	7.1	SPRAY	1200
LATEX EMULSION	12 1/2:1	FINE SPRAY	235
RESIN-IN- WATER 4:1 EMULSION		FINE SPRAY	300

	COLEMAN COMPANY BIGINEERS • SURVEYORS Savannah, Georgia I (912) 200-3041 I CCI-SAV.COM
RELEASED FOR CONSTRUCTION	CEORGI * No.031215 PROFESSIONAL - BAUSS - BUSS - BUSS
REVIS	IONS:
ES&PC CONTROL PLANS FOR	LOT A BLAKELY COMMONS LOCATED IN POOLER, GEORGIA PREPARED FOR MARSHALL DESIGN BUILD
JOB N DATE: DRAV CHEC SCAL	NUMBER: 23-245 4/26/2024 VN BY: DJM CKED BY: TGB E: AS NOTED
ERC	SION CONTROL DETAILS
SHE	

STEEL FRAME AND SILT FENCE INSTALLATION

4	TWENTY-FOUR HOUR CONTACT RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL COLEMAN COMPANY 1480 CHATHAM PARKWAY SAVANNAH, GA 31405 012 000 1001		"NON-EXEMPT MEASURED FI MEASURED FI AND PERMITS "AMENDMENT	ACTIVITIES S Rom the poin Rom the juri ." S/Revisions T	HALL NOT BE IT OF WRESTE SDICTIONAL D	
5	PRIMARY PERMITTEE / DEVELOPER / OWNER MARSHALL DESIGN-BUILD, INC. 4437 ATLANTA HWY MONTGOMERY, AL 334-277-8820	 17 18 19 	COMPONENT "WASTE MATE 404 PERMIT." " THE ESCAP CONTROL ME	MUST BE CER RIALS SHALL I E OF SEDIMEN ASURES AND F	TIFIED BY THE NOT BE DISCH TFROM THE S PRACTICES PF	E DESI ARGE SITE S RIOR 1
$\begin{pmatrix} 6 \\ \hline 7 \end{pmatrix}$	THE TOTAL ACREAGE FOR THE SITE IS 4.786 AC ACRES DISTURBED ACREAGE IN THIS PHASE IS 4.16 AC ACRES THE GPS LOCATION OF THE CONSTRUCTION EXIT FOR THE SITE IS 32.06855° LATITUDE, 81.27363° LONGITUDE	2028	" EROSION CO PLAN DOES N MEASURES SI PRACTICES	ONTROL MEAS OT PROVIDE F HALL BE IMPLE 5 THAT WILI	URES WILL BE OR EFFECTIVE MENTED TO C	e main e erc contf to f
9 (9)	DESCRIPTION AND NATURE OF THE CONSTRUCTION ACTIVITY AND EXISTING SITE CONDITIONS THE EXISTING SITE IS CURRENTLY A VACANT, UNDEVELOPED, GRASS VEGETATED LOT. THIS PROJECT WILL CONSIST OF THE CONSTRUCTION OF A 93 ROOM HOTEL WITH ASSOCIATED PARKING AND INFRASTRUCTURE.		AFTER COI 1. PERMANEN RUNOFF PI CHEMICAL RUNOFF AI 2. TEMPORAF	MPLETION C T SEEDING: TI RIOR TO ENTE S FROM RUNO ND IMPROVES Y DIVERSION D TO BELEAS	DF CONSTR HE SITE SHALI RING THE DON FF. PERMANE WATER QUAL DITCHES WIL E OF THE BIL	L BE S WNST NT SE ITY. L ACT
47	PELHAM LOAMY SAND		AND SETTL 3. WET POND AND WILL POLLUTAN	EMENT. THE PERMAN EFFECTIVELY TS THAT ARE	NENT POOL O HAVE AN 80 TRANSFERRE	F THE 0% TS D TO
	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCUBATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	30	INSPECTIO A. PRIMARY P (1). E CER PERI	A THE WATER ND THE VELOO NS REQUIR ERMITTEE RE EACH DAY WHE TIFIED PERSO WITTEF'S SITE	EMENTS B EMENTS B EQUIREMENTS EN ANY TYPE NNEL PROVID WHERE PETR	Y THE UNOF Y THI S. OF CC ED BY
	TRAVIS BURKE, PE - DESIGN PROFESSIONAL GSWCC LEVEL II CERTIFICATION NUMBER: 8134		VEH EXIT NOT (2), M	CLES AND EQ THE SITE FOF ICE OF TERMIN	UIPMENT AND EVIDENCE ON NATION IS SUE RECORD RAI) (B) AI F OFF 3MITTE NFALL
(12)	I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR BY MY AUTHORIZED AGENT, UNDER MY SUPERVISION.		STAE NON BE R THE	BILIZATION ON -WORKING FEI EPRESENTATI SITE HAVE UN	CE EVERY 24 DERAL HOLID/ IVE OF THE MO IDERGONE FIN	HOUR AY. TH ONITO NAL S1
13	TRAVIS BURKE, PE - DESIGN PROFESSION, GSWCC LEVEL II CERTIFICATION NUMBER: 8134		OF T (3). C EVEF GRE	ARGET PEREN CERTIFIED PEF RY SEVEN (7) (ATER (UNLESS	NIALS APPRC SONNEL (PRC CALENDAR DA S SUCH STORM)PRIAT)VIDE (YS AN M END
	AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001.		NON COM DIST FOR ERO SITE POIN	WORKING SU PLETED BY TH URBED AREAS STORAGE OF SION AND SED SHALL BE OB TTS ARE ACCE	NDAY OR ANY IE END OF THI OF THE PRIM MATERIALS TI IMENT CONTE SERVED TO EI SSIBLE, THEY	' NON- E NEX /ARY F HAT A ROL M NSUR ' SHAL
(14)	TRAVIS BURKE, PE - DESIGN PLOTESSIONAL - GSWCC LEVEL II CERTIFICATION NUMBER: 8134 FOR STAND ALONE PROJECTS THAT BEGIN CONSTRUCTION ACTIVITY AFTER THE EFFECTIVE DATE OF THIS PERMIT, THE PRIMARY PERMITTEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE EROSION, SEDIMENTATION AND POLLUTION			ECTIVE IN PRE ERGONE FINAL ENNIALS APPR ECTIONS MUS	VENTING SIGN L STABILIZATIO OPRIATE FOR T BE CONDUC	VIFICA ON OF THE TED U
	CONTROL PLAN, OR AN ALTERNATIVE DESIGN PROFESSIONAL APPROVED BY EPD IN WRITING, TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS WHICH THE DESIGN PROFESSIONAL DESIGNED WITHIN SEVEN (7) DAYS AFTER INSTALLATION. THE DESIGN PROFESSIONAL SHALL DETERMINE IF THESE BMPS HAVE BEEN INSTALLED AND ARE BEING MAINTAINED AS DESIGNED. THE DESIGN PROFESSIONAL SHALL REPORT THE RESULTS OF THE INSPECTION TO THE PRIMARY PERMITTEE WITHIN SEVEN (7) DAYS AND THE PERMITTEE MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT FROM THE DESIGN PROFESSIONAL UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED.		(4). C DUR SITE OF T THE SEDI COR WHE	THE TEED PEE ING THE TERM THAT HAVE U ARGET PEREN POTENTIAL FC MENT CONTR RECTLY. WHE THER EROSIO	ISONNEL (PRC I OF THIS PER NDERGONE F INIALS APPRC DR, POLLUTAN DL MEASURES RE DISCHARG IN CONTROL M	MIT (I. INAL S OPRIAT ITS EN S IDEN E LOC MEASL
	DESIGN PROFESSIONAL 7-DAY VISIT CERTIFICATION DATE OF INSPECTION: ????		WAT (5). E CON BE R	ER(S). BASED ON THE TROL MEASUF EVISED AS AP	RESULTS OF RES IDENTIFIE PROPRIATE N	EACH D IN T
	I CERTIFY THE SITE WAS IN COMPLIANCE WITH THE ES&PC PLAN ON THE DATE OF INSPECTION.		IMPL CALE (6). A INSP	EMENTATION ENDAR DAYS F REPORT OF E	OF SUCH CHA OLLOWING EA EACH INSPECT	NGES ACH IN TION T ACH IN
	TRAVIS BURKE, PE - DESIGN PROFESSIONAL - GSWCC LEVEL II CERTIFICATION NUMBER: 8134 INSPECTION REVEALED THE FOLLOWING DISCREPANCIES FROM THE ES&PC PLAN:		OBS PLAN THE POR TERI DAY	ERVATIONS RE I, AND ACTION SITE OR BE RE TION OF A COM MINATION IS S AND/OR WORH	ELATING TO THE IS TAKEN IN A EADILY AVAILA NSTRUCTION S UBMITTED TO KING DAY AND	HE IMI CCOR ABLE A SITE T EPD. SHAL
27	THESE DEFICIENCIES MUST BE ADDRESSED IMMEDIATELY AND A RE-INSPECTION SCHEDULED. WORK SHALL NOT PROCEED ON THE SITE UNTIL DESIGN PROFESSIONAL CERTIFICATION IS OBTAINED.		BEEI IDEN PRAG SHAI	N PROPERLY II TIFY ANY INCI CTICES ARE IN LL BE SIGNED	NSTALLED AN DENTS, THE II I COMPLIANCE IN ACCORDAN	D/OR I NSPEC E WITH NCE W
	-CONTRACTOR SHALL MAINTAIN WEATHER-PROOF COVER FOR ALL BUILDING MATERIALS AND PRODUCTS STORED ON SITE. -PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS AND TARS SHALL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS SHALL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS AND STORM WATER INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS SHALL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS. -PAINTS/FINISHES/SOLVENTS - ALL PRODUCTS SHALL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE.	31	REPORTING. 1.THE APPLIC PART II.C. E DURING WH FORMAT. UI ON A MORE BEYOND TH SAMPLING I	CABLE PERMIT THE FIFTEE ICH SAMPLES PON WRITTEN FREQUENT B E MINIMUM F REPORTS MUS	TEES ARE RE NTH DAY OF ARE TAKEN IN NOTIFICATIO BASIS, SAMPLI REQUENCY S ST BE SIGNED	EQUIRI THE I N ACC N, EPI ING AI STATE
	EXCESS PRODUCT SHALL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS SHALL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS. -CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS SHALL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONSITE. -FERTILIZER/HERBICIDES - THESE PRODUCTS SHALL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S		USING THE SUCH TIME 2. ALL SAMPL a. Th b. Th c. Th	ELECTRONIC AS A NOT IS S ING REPORTS IE RAINFALL A IE NAME(S) OF IE DATE(S) AN	SUBMITTAL SE UBMITTED IN / S SHALL INCLU MOUNT, DATE THE CERTIFI IALYSES WER	ERVIC ACCOI JDE TH E, EXA IED PE
25	SPECIFICATIONS OR THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS SHALL BE UNDER ROOF IN SEALED CONTAINERS. BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS SHALL BE BURIED OR DISPOSED OF ONSITE. ALL SUCH MATERIAL SHALL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES. SPILL CLEANUP AND CONTROL PRACTICES		d. TH e. TH f. R US g. TH	HE TIME(S) AN/ HE NAME(S) OF EFERENCES A SED; HE RESULTS O	ALYSES WERE THE CERTIFI ND WRITTEN	E INITI IED PE PROC
	 - LOCAL, STATE AND MANOPACTORER'S RECOMMENDED METHODS FOR SPILL CLEANOP SHALL BE CLEARLY POSTED AND PROCEDURES SHALL BE MADE AVAILABLE TO SITE PERSONNEL. - MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT 		h. Rí i. Ce 3. ALL WRITT	ESULTS WHICH	ED TO DETER EXCEED 100 STATEMENT T DNDENCE REC	IMINE IO NTU IHAT S QUIRE
	LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS. - SPILL PREVENTION PRACTICES AND PROCEDURES SHALL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS. - ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS SHALL BE REPORTED AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS.	33	SIMILAR SE PERMIT. TH THE PROO CONSTRUC SAMPLE ANAL	ERVICE) TO TH HE APPLICABLE F OF SUBMITT CTION UNTIL S YSIS	E APPROPRIA E PERMITTEE AL SHALL BE F UCH TIME AS	ITE DIS SHALI READI A NOT
	 FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) SHALL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802. FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) SHALL BE CONTACTED WITH IN 24 HOURS AT 1-800-424-8802. FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE EPD SHALL BE CONTACTED WITHIN 24 HOURS AT (800) 241-4113 OR (404) 656-4863 		STORM WATE STORMWATE INSTALLED, A IN THE TURBII IS BASED UPC OF 0.03 SQUA	R SHALL BE 3. R RUNOFF FRO ND MAINTAINE DITY OF THE D DITY OF THE DISTUF RE MILES, ANE	AMPLED FOR DM DISTURBEI ED SHALL CON VISCHARGE EX RBED ACREAG D RECEIVING V	D ARE NSTITU KCEED E OF WATER
	AGENCIES SHALL BE CONTACTED AS REQUIRED. THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM ARE STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY OF ATTER THAN 550 CALLONS. THE CONTRACTOR SHALL NEED A SPILL PREVENTION CONTAINMENT AND	22	THIS CONSTR LINEAR MILE U COMPLY WITH THOSE AREAS	UCTION ACTIV JPSTREAM OF I PART III. C. O S OF THE SITE	VITY WHICH DO AND WITHIN T F THE PERMIT WHICH DISCH	JES N THE S, T. (INC HARGE
2 4	COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL. WASH DOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS, AND THE REAR OF THE VEHICLES SHALL BE ALLOWED AT THE CONCRETE WASHOUT AREA, TO BE DESIGNATED IN THE FIELD BY THE CONTRACTOR. WASHOUT OF THE CONCRETE MIXER'S DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.			SIGN PR NEER'S NAME RGIA PE NUMB	OFESSI (PRINTED): ER:	<u>ON</u> /
21 26	" ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING." MEASURES THAT SHALL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER THAT SHALL REMAIN IN PLACE AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED: PERMANENT VEGETATIVE STABILIZATION		GSW	CC LEVEL II CE	RTIFICATION	NUME
	(DS3) AND PIGS IN A BLANKET (SD2-P) THE SITE SHALL UTILIZE A SERIES OF PRACTICAL BMP'S. DIVERSION DITCHES SHALL BE USED TO CONVEY THE STORM WATER TO THE EXISTING WET DETENTION POND. THE REGIONAL POND IS A CONSTRUCTED BASIN THAT CONTAINS A PERMANENT POOL OF WATER AND TREATS POLLUTED STORM WATER RUNOFF VIA SETTLEMENT. THE WET DETENTION POND DETAINS THE STORM WATER RUNOFF LONG ENOUGH FOR CONTAMINATED SEDIMENTS TO SETTLE AND REMAIN IN THE POND, AS IT EVENTUALLY OUTER LIS THROUGH A SLOTTED POARD DETAIDS. THIS SETTLEMENT PROCESS REMOVES REMOVES REMOVES REMOVES REMOVES AND THE STORM.					
	AND METALS FROM THE WATER WHILE NUTRIENTS ARE REMOVED THROUGH BIOLOGICAL UPTAKE. THE WET DETENTION POND SHALL OUTLET THE STORM WATER RUNOFF AT A SIGNIFICANTLY REDUCED RATE.	STA	TE OF GEORGIA	NEPHELON , DEPARTMENT 0-4.99	METRIC TURBIDIT OF NATURAL F SURF 5-9.99	TY UNIT RESOL FACE V
		ACRES)	1.00-10 10.01-25	75 50	150 100	
		SITE SIZE (25.01-50 50.01-100	50 50	50 50	+
		**RI FOF	FER TO GA DE	50 PARTMENT OF FOR DEFINIT	50 NATURAL RE IONS AND DET	 ESOUF TAILS.'

OUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS GETATION OR WITHIN 25 FEET OF THE COASTAL MARSHLAND BUFFER AS MINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES

AN WHICH HAVE SIGNIFICANT EFFECT ON BMPS WITH A HYDRAULIC

IGN PROFESSIONAL." ED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION

SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT TO LAND-DISTURBING ACTIVITIES.'

NTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED DSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL ROL OR TREAT THE SEDIMENT SOURCE."

REDUCE THE POLLUTANTS IN STORM WATER DISCHARGES ION ACTIVITIES

STABILIZED UTILIZING PERMANENT SEEDING TO PRE-TREAT THE STORMWATER REAM CONVEYANCE BY REMOVING SEDIMENT AS WELL AS ANY ATTACHED EEDING ALSO PREVENTS EROSION, REDUCES THE VOLUME AND VELOCITY OF THE

AS NATURAL BIOFILTERS TO REDUCE STORM WATER VELOCITY AND POLLUTANT INTO THE DOWNSTREAM CONVEYANCE. THIS IS ACCOMPLISHED VIA INFILTRATION

WET POND ENHANCES PARTICULATE SETTLING BY INCREASING RESIDENCE TIME SS REMOVAL RATE, BY ALLOWING SETTLEMENT OF THE SEDIMENT AND OTHER THE POND VIA OTHER CONVEYANCES, THUS ELIMINATING THE RELEASE INTO AND DOWNSTREAM CONVEYANCE. WET PONDS ALSO SIGNIFICANTLY REDUCE THE FF CONTRIBUTING TO THE DOWNSTREAM CONVEYANCE. E PERMITTEE:

INSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, THE PRIMARY PERMITTEE SHALL INSPECT: (A) ALL AREAS AT THE PRIMARY UM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM LL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES FNTFR OR -SITE SEDIMENT TRACKING. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A

WITHIN DISTURBED AREAS OF THE SITE THAT HAVE NOT MET FINAL S EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND HE DATA COLLECTED FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL DED ACTIVITY, MEASUREMENT OF BAINFALL MAY BE SUSPENDED IF ALL AREAS OF FABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING TE FOR THE REGION.

ED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE ID WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR DS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE KT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST); (A) PERMITTEE'S CONSTRUCTION SITE; (B) AREAS USED BY THE PRIMARY PERMITTEE RE EXPOSED TO PRECIPITATION; AND (C) STRUCTURAL CONTROL MEASURES. MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S E THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR L BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE

ANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE R ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET REGION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.A.(4). THESE UNTIL A NOTICE OF TERMINATION IS SUBMITTED. D BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH I.E., UNTIL A NOTICE OF TERMINATION HAS BEEN SUBMITTED) THE AREAS OF THE

STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING TE FOR THE REGION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR NTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND ITIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN URES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING

I INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND THE EROSION. SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL TER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) NSPECTION.

HAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH ISPECTION, CONSTRUCTION PHASE (I.E., INITIAL, INTERMEDIATE OR FINAL) , MAJOR IPLEMENTATION OF THE EROSION. SEDIMENTATION AND POLLUTION CONTROL RDANCE WITH PART IV.D.4.A.(5) . OF THE PERMIT SHALL BE MADE AND RETAINED AT AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF SUCH REPORTS SHALL BE READILY AVAILABLE BY END OF THE SECOND BUSINESS LL IDENTIFY ALL INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES NOT CTION REPORT SHALL CONTAIN A CERTIFICATION THAT THE BEST MANAGEMENT H THE EROSION. SEDIMENTATION AND POLLUTION CONTROL PLAN. THE REPORT VITH PART V.G.2 OF THIS PERMIT.

RED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS CORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE D MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ND ANALYSIS OF ANY STORM WATER DISCHARGE(S) OR THE RECEIVING WATER(S) D IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE CCOBDANCE WITH PART V.G.2. SAMPLING REPORTS MUST BE SUBMITTED TO EPI

E PROVIDED BY THE EPD. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL RDANCE WITH PART VI. HE FOLLOWING INFORMATION: ACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS:

ERSONNEL WHO PERFORMED THE SAMPLING AND MEASUREMENTS; RFORMED:

IATED ;

ERSONNEL WHO PERFORMED THE ANALYSES; CEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS

, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR

THESE RESULTS; SHALL BE REPORTED AS "EXCEEDS 1000 NTU;" AND

SAMPLING WAS CONDUCTED AS PER THE PLAN.

ED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR STRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS L RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR DILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF IS SUBMITTED IN ACCORDANCE WITH PART VI.

ILOMETRIC TURBIDITY UNITS (NTU) AT THE OUTFALL LOCATION. THE DISCHARGE OF EAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED, FUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH CONDITION RESULTS DING . THE VALUE SELECTED FROM APPENDIX B IN PERMIT NO. GAR100001. THE NTU F 4.16 AC AC FOR THE CONSTRUCTION SITE, THE SURFACE WATER DRAINAGE AREA ER WHICH SUPPORTS WARM WATER FISHERIES.

NOT DISCHARGE STORMWATER INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN 1 SAME WATERSHED AS, ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT MUST CLUDE THE COMPLETED APPENDIX 1 LISTING ALL THE BMPS THAT WILL BE USED FOR TO THE IMPAIRED STREAM SEGMENT.)

AL'S CREDENTIALS: TRAVIS BURKE, PE

31215 BER: 8134

APPENDIX B TU) TABLES - WARM WATER (SUPPORTING WARM WATER FISHERIES) CES, ENVIRONMENTAL PROTECTION DIVISION, PAGE 46 OF 46, PERMIT NO. GAR100001					
ATER DRA	ATER DRAINAGE AREA (SQUARE MILES)				
24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
200	400	750	750	750	750
100	200	300	500	750	750
100	100	200	300	750	750
50	100	100	150	300	600
50	50	50	100	200	100
ES ENVIRONMENTAL PROTECTION DIVISION GENERAL PERMIT NO. GAR100001					

ADDITIONAL SITE/EROSION CONTROL NOTES:

- A. ZONING: THE PRESENT ZONING CLASSIFICATION FOR THIS SITE IS PUD. PIN(S): 51009 01116 B. BUFFER REQUIREMENTS: AS REQUIRED BY ARTICLES 15 OF SECTION 12-7-6 OF THE "GEORGIA EROSION AND SEDIMENTATION ACT OF 1975", THERE IS ESTABLISHED A 25 FOOT BUFFER ALONG THE BANKS OF ALL STATE WATERS, AS MEASURED HORIZONTALLY FROM THE POINT WHERE VEGETATION HAS BEEN WRESTED BY NORMAL STREAM FLOW OR WAVE ACTION. EXCEPT WHERE THE DIRECTOR DETERMINES TO ALLOW A VARIANCE THAT IS AT LEAST AS PROTECTIVE OF THE NATURAL RESOURCES AND THE ENVIRONMENT, WHERE OTHERWISE ALLOWED BY THE DIRECTOR PURSUANT TO OCGA 12-2-8, OR WHERE A DRAINAGE STRUCTURE OR ROADWAY DRAINAGE STRUCTURE MUST BE CONSTRUCTED. PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED IN THE PROJECT PLANS AND SPECIFICATIONS AND ARE IMPLEMENTED. "NO BUFFERS ARE REQUIRED FOR THIS PROJECT."
- C. EROSION CONTROL PROGRAM: CLEARING SHALL BE KEPT TO AN ABSOLUTE MINIMUM. VEGETATION AND MULCH SHALL BE APPLIED TO APPLICABLE AREAS IMMEDIATELY AFTER GRADING IS COMPLETED. GRAVEL SHALL BE APPLIED TO PARKING AREAS AND ROADWAYS AS SOON AS GRADING IS COMPLETED. LAND SHALL BE SCHEDULED TO LIMIT EXPOSURE OF BARE SOILS TO EROSION ELEMENTS. STORM WATER MANAGEMENT STRUCTURES SHALL BE EMPLOYED TO PREVENT EROSION IN AREAS OF CONCENTRATED WATER FLOWS. EROSION AT THE EXITS OF ALL STORM WATER STRUCTURES SHALL BE PREVENTED BY THE INSTILLATION OF STORM DRAIN OUTLET PROTECTION DEVICES.
- D. STANDARDS AND SPECIFICATIONS: ALL DESIGNS SHALL CONFORM TO AND ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE PUBLICATION ENTITLED, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
- E. SAFETY PROTECTION: CONSTRUCTION ACTIVITIES SHALL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE LAWS, RULES AND REGULATIONS. F. MAINTENANCE PROGRAM: SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED DAILY. ANY DAMAGES
- OBSERVED SHALL BE REPAIRED BY THE END OF THAT DAY. CLEANOUT OF SEDIMENT CONTROL STRUCTURES SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE SPECIFICATIONS AND SEDIMENT DISPOSAL ACCOMPLISHED BY SPREADING ON THE SITE. BARRIERS SHALL REMAIN IN PLACE UNTIL SEDIMENT CONTRIBUTING AREAS ARE STABILIZED. THE SEDIMENT FENCES. AND THE BARRIERS SHALL THEN BE REMOVED AND THE AREAS OCCUPIED BY THESE DEVICES SHALL THEN BE VEGETATED. GUIDELINES FOR THE MAINTENANCE OF ESTABLISHED VEGETATION SHALL BE PROVIDED TO THE OWNER WHEN ALL DISTURBED AREAS ARE STABILIZED.
- G. EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE
- H. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE OWNER. I. BASED ON MY OBSERVATION THIS PROPERTY IS LOCATED IN ZONE PUD, IS NOT A SPECIAL FLOOD HAZARD AREA AS
- DETERMINED BY FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP NUMBER 13051C0109G DATED 8/16/2018. J. THERE ARE NOT STATE WATERS LOCATED ON OR WITHIN 200' OF THIS SITE.
- K. THE POINT OF CONTACT FOR CIVIL SITE WORK FOR THIS PROJECT IS:
- COLEMAN COMPANY 1480 Chatham Parkway, Suite 100
- SAVANNAH, GA 31405 (912) 200-3041

RETENTION OF RECORDS

THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:

- a. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;
- b. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT; THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH C.
- PART IV.A.5. OF THIS PERMIT:
- d. A COPY OF ALL SAMPLING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT; e. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A. OF THIS PERMIT;
- A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT; AND g. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(2). OF THIS PERMIT.

2. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, INSPECTION REPORTS, SAMPLING REPORTS (INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION) OR OTHER REPORTS REQUESTED BY THE EPD, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI. OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

(45) ESTIMATED PEAK DISCHARGE OR RUNOFF CURVE NUMBER FOR PRE AND POST CONDITIONS:

RUNOFF CURVE NUMBER PRE-DEVELOPED 92

- POST-DEVELOPED 97 (SCS METHOD USED FOR LARGE SITE)
- IDENTIFY THE PROJECT RECEIVING WATERS AND DESCRIBE ALL SENSITIVE ADJACENT AREAS INCLUDING STREAMS, LAKES, RESIDENTIAL AREAS, WETLANDS, MARSHLANDS, ETC. WHICH MAY BE AFFECTED: THE RECEIVING WATERS OF THE EXISTING SYSTEM IS A WET POND TOWARD THE SAVANNAH AND OGEECHEE CANAL. THE FINAL RECEIVING WATERS ARE THE LITTLE OGEECHEE RIVER.
- IF A TMDL IMPLEMENTATION PLAN FOR SEDIMENT HAS BEEN FINALIZED FOR THE IMPAIRED STREAM SEGMENT (IDENTIFIED IN ITEM 22 ABOVE) AT LEAST SIX MONTHS PRIOR TO SUBMITTAL OF NOI, THE ES&PC PLAN MUST ADDRESS ANY SITE-SPECIFIC CONDITIONS OR REQUIREMENTS INCLUDED IN THE TMDL IMPLEMENTATION PLAN.

SAMPLING REQUIREMENTS THIS PERMIT REQUIRES THE MONITORING OF NEPHELOMETRIC TURBIDITY IN RECEIVING WATER(S) OR OUTFALLS IN ACCORDANCE WITH THIS PERMIT. THIS PARAGRAPH SHALL NOT APPLY TO ANY LAND DISTURBANCE ASSOCIATED WITH THE CONSTRUCTION OF SINGLE-FAMILY HOMES WHICH ARE NOT PART OF A SUBDIVISION OR PLANNED COMMON DEVELOPMENT UNLESS FINE (5) ACRES OR MORE WILL BE DISTURBED. THE FOLLOWING PROCEDURES CONSTITUTE EPD'S GUIDELINES FOR SAMPLING TURBIDITY. a SAMPLING REQUIREMENTS SHALL INCLUDE THE FOLLOWING: (1) A USGS TOPOGRAPHIC MAP, A TOPOGRAPHIC MAP OR A DRAWING (REFERRED TO AS A TOPOGRAPHIC MAP) THAT IS A SCALE EQUAL TO OR MORE DETAILED THAN A 1:24000 MAP SHOWING THE LOCATION OF THE SITE OR THE STAND ALONE DEVELOPMENT; (A) THE LOCATION OF ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES AS SHOWN ON A USGS TOPOGRAPHIC MAP, AND ALL OTHER PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES LOCATED DURING MANDATORY FIELD VERIFICATION, INTO WHICH THE STORM WATER IS DISCHARGED AND (B) THE RECEIVING WATER AND/OR OUTFALL SAMPLING LOCATIONS. WHEN THE PERMITTEE HAS CHOSEN TO USE A USGS TOPOGRAPHIC MAP AND THE RECEIVING WATER(S) IS NOT SHOWN ON THE USGS TOPOGRAPHIC MAP, THE LOCATION OF THE RECEIVING WATER(S) MUST BE HAND-DRAWN ON THE USGS TOPOGRAPHIC MAP FROM WHERE THE STORM WATER(S) ENTERS THE RECEIVING WATER(S) TO THE POINT WHERE THE RECEIVING WATER(S) COMBINES WITH THE FIRST BLUE LINE STREAM SHOWN ON THE USGS TOPOGRAPHIC MAP; (2). A WRITTEN NARRATIVE OF SITE SPECIFIC ANALYTICAL METHODS USED TO COLLECT, HANDLE AND ANALYZE THE SAMPLES INCLUDING QUALITY CONTROL/QUALITY ASSURANCE PROCEDURES . THIS NARRATIVE MUST INCLUDE PRECISE SAMPLING METHODOLOGY FOR EACH SAMPLING LOCATION. (3). WHEN THE PERMITTEE HAS DETERMINED THAT SOME OR ALL OUTFALLS WILL BE SAMPLED, A RATIONALE MUST BE INCLUDED ON THE PLAN FOR THE NTU LIMIT(S) SELECTED FROM APPENDIX B. THIS RATIONALE MUST INCLUDE THE SIZE OF THE CONSTRUCTION SITE, THE CALCULATION OF THE SIZE OF THE SURFACE WATER DRAINAGE AREA, AND THE TYPE OF RECEIVING WATER(S) (I.E., TROUT STREAM OR SUPPORTING WARM WATER FISHERIES) ; AND (4). ANY ADDITIONAL INFORMATION EPD DETERMINES NECESSARY TO BE PART OF THE PLAN. EPD WILL PROVIDE WRITTEN NOTICE TO THE PERMITTEE OF THE INFORMATION NECESSARY AND THE TIME LINE FOR SUBMITTAL. b.SAMPLE TYPE: (1). ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD. (2). SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES. (3). SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER. (4). LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES . THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION. (5). MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION. UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. IF AUTOMATIC SAMPLING IS UTILIZED AND THE AUTOMATIC SAMPLER IS NOT ACTIVATED DURING THE QUALIFYING EVENT, THE PERMITTEE MUST UTILIZE MANUAL SAMPLING OR RISING STAGE SAMPLING DURING THE NEXT QUALIFYING EVENT. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED (6). SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E. c. SAMPLING POINTS. (1). FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL RECEIVING WATER(S), AND OUTFALL(S). SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORM WATER OUTFALLS USING THE FOLLOWING MINIMUM GUIDELINES: (A). THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORM WATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE. (B). THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE (C). IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORM WATER OUTFALL CHANNEL(S). (D). CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER CHANNEL. (E). THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM. (F). THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS. (G). PERMITTEES DO NOT HAVE TO SAMPLE SHEETFLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS SECTION, STABILIZED SHALL MEAN, FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR LANDSCAPED ACCORDING TO THE PLAN (UNIFORMLY COVERED WITH LANDSCAPING MATERIALS IN PLANNED LANDSCAPED AREAS), OR EQUIVALENT PERMANENT STABILIZATION MEASURES AS DEFINED IN THE MANUAL (EXCLUDING A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION). (H). ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED

SAMPLING METHODS, LOCATIONS, TIMING, AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORM WATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.3. OR III.D.4., WHICHEVER IS APPLICABLE.

*NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR SAMPLING AT ANY TIME OF THE DAY OR

Know what's below. Call before you dig.

	COLEMAN COMPANY	Savannah, Georgia (912) 200-3041 CCI-SAV.COM		
RELEASED FOR CONSTRUCTION	X REGISTERED X REGISTERED NO. 031215 PROFESSIONA HAVEINEES AVGINEES AVGINEES	1		
	ONS:			
ES&PC CONTROL PLANS FOR	LOT A BLAKELY COMMONS	located in pooler, georgia Prepared for marshall design build		
JOB N DATE DRAV CHEC SCAL	NUMBER: 4/ VN BY: KED BY: E: AS	23-245 26/2024 DJM TGB NOTED		
NPE	NPDES PERMIT NOTES			

CONSTRUCTION PERIOD

PRIOR TO THE LAND DISTURBING CONSTRUCTION, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA SITE DEVELOPMENT INSPECTOR.

THE CONTRACTOR SHALL OBSERVE THE PROJECT SEQUENCE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO INSURE THAT LAND STRIPPING OF ITS NATURAL COVER IS EXPOSED ONLY IN SMALL QUANTITIES. THE OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE

A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE AT ALL TIMES.

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.

PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE AND ALL STREAM BUFFERS SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.

RIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION EXIT SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY. THE CONSTRUCTION EXIT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS, MATERIALS, DIMENSIONS, ETC. AS DESCRIBED IN THE CURRENT VERSION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S "MANUAL FOR EROSION AND SEDIMENT CONTROL".

THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY:

- IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION EXIT(S). ALL PERIMETER EROSION CONTROL AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE INITIAL PHASE EROSION CONTROL PLAN.
- TYPE 'NS' & 'S', IF REQUIRED, AND TYPE 'S' AS APPLICABLE, SILT FENCE SHALL BE INSTALLED AT THE PERIMETER OF THE DISTURBED AREA AS SHOWN ON THE PLAN. THE SILT FENCE SHALL BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA, TABLE 6-27.2. THE SILT FENCE SHALL BE KEPT ERECT AT ALL TIMES AND REPAIRED WHEN REQUESTED BY THE INSPECTOR OR THE PROJECT DESIGN PROFESSIONAL OF RECORD. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHED ½ THE HEIGHT OF THE BARRIER. THE PERIMETER SILT FENCE SHALL BE INSPECTED DAILY FOR ANY FAILURES. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.
- INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM STRUCTURES AS SHOWN ON THE PLAN. SEE SEPARATE DETAILS FOR SPECIFICS ON TYPE OF INLET PROTECTION SPECIFIED.
- 4. STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN.
- 5. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITY AND MAINTAINED UNTIL FINAL LANDSCAPE IS INSTALLED. THE TREE PROTECTION FENCING SHALL BE INSPECTED DAILY. ANY FAILURES OF SAID FENCING SHALL BE REPAIRED IMMEDIATELY.

AFTER INSTALLATION OF INITIAL EROSION CONTROL MEASURES THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE PROJECT DESIGN PROFESSIONAL. NO OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR UNTIL THE PROJECT DESIGN PROFESSIONAL APPROVES THE INSTALLATION OF SAID EROSION CONTROL MEASURES. IF UNFORESEEN CONDITIONS EXIST IN THE FIELD THAT WARRANT ADDITIONAL EROSION CONTROL MEASURES, THE CONTRACTOR MUST CONSTRUCT ANY ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY BY THE SITE INSPECTION.

AFTER APPROVAL OF THE INITIAL EROSION CONTROL INSTALLATION, THE CONTRACTOR MAY PROCEED WITH CLEARING AND GRUBBING ACTIVITIES. AS CLEARING PERMITS THE CONTRACTOR SHALL CONSTRUCT INLET PROTECTION AS SHOWN ON THE INTERMEDIATE PHASE PLAN TO CONTROL EROSION AND STORM WATER RUN OFF.

THE DESIGN PROFESSIONAL WHO PREPARED THE EROSION CONTROL INSTALLATION PLAN WILL INSPECT THE INSTALLATION OF THE BMPS WITHIN SEVEN DAYS AFTER INITIAL CONSTRUCTION ACTIVITY BEGINS.

INTERMEDIATE PHASE

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE INTERMEDIATE PHASE OF CONSTRUCTION. NO STAGING AREAS, MATERIAL STORAGE, CONCRETE WASH OUT AREAS, OR DEBRIS BURN AND BURIAL HOLES SHALL BE LOCATED WITHIN 500 FEET OF DESIGNATED TREE PROTECTION AREAS.

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPING OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES AND THEREFORE LIMITED DURATIONS, BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED. NOTE SUB PHASES SHOWN ON PLANS.

EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHALL BE CAREFULLY CONTROLLED TO AVOID DUMPING OR SLOUGHING INTO THE BUFFER AREAS.

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY. SHALL FURNISH AND MAINTAIN NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.

EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF

TYPE " NS" SILT FENCE SHALL BE INSTALLED AT THE TOE OF ALL FILL SLOPES 10 FEET OR GREATER IN HEIGHT. THE SILT FENCE SHALL BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA, TABLE 6.27.1. THE SILT FENCE SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED ON THE SLOPE. SILT FENCE SHALL BE REMOVED WHEN ACCUMULATION REACHES 1/2 THE HEIGHT OF THE BARRIER. ADDITIONALLY, DIVERSION DIKES SHALL BE CONSTRUCTED ALONG THE TOP OF ALL SAID FILL SLOPES WITH THE USE OF TEMPORARY DOWN DRAINS TO CONTROL STORM WATER RUN OFF AS SHOWN ON THE PLANS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING BARRIERS AT THE TOE OF SLOPES UNDER CONSTRUCTION. THESE BARRIERS SHALL BE AS SHOWN IN THE PLANS. THESE BARRIERS MAY BE RELOCATED AND REUSED AFTER PERMANENT SLOPE STABILIZATION BECOMES FULLY ESTABLISHED. AS THEY ARE RELOCATED, ANY DEFECTIVE MATERIALS IN THE BARRIERS SHALL BE REPLACED. IN ADDITION, ALL DEBRIS AND SILT AT THE PREVIOUS LOCATION SHALL BE REMOVED.

CUT AND FILL SLOPES ARE NOT TO EXCEED " 3H:1V"

THE CONTRACTOR CAN UTILIZE CLEARED TREES AS BARRIER BRUSH SEDIMENT CONTROL IN AREAS SHOWN ON THE PLAN WHERE INITIAL GRADING ACTIVITIES WILL NOT OCCUR.

NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT WRITTEN PERMISSION BY THE OWNER AND/OR THE ENGINEER OF RECORD.

ADDITIONAL SILT BARRIERS MUST BE PLACED AS SHOWN ON THE PLAN AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION AND INLET PROTECTION ARE CONSTRUCTED AS SHOWN ON THE INTERMEDIATE PHASE EROSION CONTROL PLAN.

ALL SILT FENCE MUST MEET THE REQUIREMENTS OF SECTION 171- SILT FENCE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA, STANDARD SPECIFICATIONS, CONSTRUCTION OF TRANSPORTATION SYSTEMS 2013 EDITION.

ALL ITEMS IN THIS SECTION OF THE SPECIFICATIONS SHALL MEET THE REQUIREMENTS AS SET FORTH IN SECTION 161, 162, 163, AND 165 OF THE GEORGIA D.O.T. STANDARD SPECIFICATIONS, CONSTRUCTION OF TRANSPORTATION SYSTEMS, 2013 EDITION. MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1"-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY. CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED AS DIRECTED BY THE ON-SITE INSPECTOR OR THE CIVIL ENGINEER.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS. THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR

REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS. TYPE "NS" SILT FENCE SHALL BE PLACED AT THE TOE OF ALL DIRT STOCK PILE AREAS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL STORM STRUCTURES AS THEY ARE CONSTRUCTED. SEE PLAN VIEW FOR SPECIFIC TYPE AND SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS, AS SHOWN ON THE PLAN. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.

ALL DRAINAGE SWALES SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.

ALL GRADED AREAS SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.

FINAL PHASE

CONSTRUCTION:

SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

SEPARATE DETAIL FOR ADDITIONAL INFORMATION.

ELEVATION ON THE CLEANOUT STAKE.

ACHIEVED BEHIND CURBS.

INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

PROPERLY

ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.

UPON COMPLETION OF THE PROJECT AND RECEIPT OF A CERTIFICATE OF OCCUPANCY OR FINAL ACCEPTANCE OF THE SITE, THE PERMIT COVERAGE THIS PLAN HAS BEEN PREPARED TO MEET THE REQUIREMENTS UNDER THE STATE OF GEORGIA, DEPARTMENT OF NATURAL

ALONE CONSTRUCTION

AUTHORIZED DISCHARGES

LAND DISTURBANCE EQUAL TO OR GREATER THAT ONE ACRE. PART I.C.1.

AND PART III.A.2 OF THE PERMIT.

- 3. AUTHORIZED MIXED STORM WATER DISCHARGES: PART 1.C.2 A. THE INDUSTRIAL SOURCE OR ACTIVITY OTHER THAN CONSTRUCTION IS LOCATED ON THE SAME SITE AS THE CONSTRUCTION ACTIVITY AND IS AN INTEGRAL PART OF THE CONSTRUCTION ACTIVITY.
- B. THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES ARE OCCURRING ARE IN COMPLIANCE WITH THE TERMS OF THIS PERMIT. C. STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE AREAS OF THE SITE WHERE INDUSTRIAL ACTIVITY
- OTHER THAN CONSTRUCTION ARE OCCURRING ARE COVERED BY DIFFERENT NPDES GENERAL PERMIT OR INDIVIDUAL PERMIT AUTHORIZING SUCH DISCHARGES AND THE DISCHARGES ARE IN COMPLIANCE WITH A DIFFERENT NPDES PERMIT. 4. AUTHORIZED NON-STORMWATER DISCHARGES: PART III.A.2
- A. FIRE FIGHTING ACTIVITIES **B. FIRE HYDRANT FLUSHING**
- C. POTABLE WATER SOURCES INCLUDING WATER LINE FLUSHING **D. IRRIGATION DRAINAGE** E. AIR CONDITIONING CONDENSATE
- F. SPRINGS
- G. UNCONTAMINATED GROUND WATER H. FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS OR POLLUTANTS.

LIMITATIONS ON COVERAGE PART I.C.3

- III.A.2 OF THIS PERMIT AND WHICH ARE IN COMPLIANCE WITH PART IV.D.7 (NON-STORMWATER DISCHARGES) OF THIS PERMIT.
- C. STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY THAT ARE SUBJECT TO AN EXISTING NPDES INDIVIDUAL OR GENERAL PERMIT. SUCH DISCHARGES MAY BE AUTHORIZED UNDER THIS PERMIT AFTER AN EXISTING PERMIT EXPIRES PROVIDED THE EXISTING PERMIT DID NOT ESTABLISH NUMERIC LIMITATIONS FOR SUCH DISCHARGES.
- "NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS D. STORMWATER DISCHARGES FROM CONSTRUCTION SITES THAT THE DIRECTOR (EPD) HAS DETERMINED TO BE OR MAY REASONABLY MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25 FEET OF THE COASTAL MARSHLAND BUFFER AS BE EXPECTED TO BE CONTRIBUTING TO A VIOLATION OF A WATER QUALITY STANDARD. MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.
- 2. THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL IN THE STORMWATER DISCHARGE(S) FROM A SITE SHALL BE PRVENTED . THIS PERMIT DOES NOT RELIEVE THE PERMITTEE OF THE REPORTING REQUIREMENTS OF GEORGIA'S OIL OR HAZARDOUS MATERIALS SPILLS OR RELEASE ACT (O.C.G.A 12-14-2 ET SEQ), 40 CFR PART 117 AND 40 CFR PART 302, WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTING QUANTITY ESTABLISHED UNDER EITHER GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.C.G.A 12-14-2, ET SEQ.), 40 CFR 117 OR 40 CFR 302 OCCURS DURING A 24-HOUR PERIOD, THE PERMITTEE IS REQUIRED TO NOTIFY THE FOLLOWING AGENCIES IN ACCORDANCE WITH THE ABOVE-MENTIONED REGULATIONS AS SOON AS HE HAS KNOWLEDGE OF THE DISCHARGE: EPD AT (404) 656-4863 OR (800) 241-4113, AND THE NATIONAL RESPONSE CENTER (NRC) AT (800) 424-8802. PART III.B.1
- 3. THIS PERMIT DOES NOT AUTHORIZE THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL RESULTING FROM AN ON-SITE SPILL. PART III.B.2

I.C.4

DESIGN PROFESSIONAL'S CREDENTIALS: ENGINEER'S NAME (PRINTED)

GEORGIA PE NUMBER: GSWCC LEVEL IL CERTIFICATION NUMBER

GSWCC LEVEL II CERTIFICATION NUMBER:	

29	• TE	ENT	A
CONSTRUCTION DATES: Sept. 26, 2018 - Sept. 26,2019	Ν	10N	TH
CONSTRUCTION EXIT			
SILT FENCE AND OTHER ES&PC PRACTICES			
RETROFIT			
INLET SEDIMENT TRAP			
CLEARING AND GRUBBING			
GRADING / UTILITY			
DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)			
FINE GRADING AND PAVING			
BUILDING CONSTRUCTION			
DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)			
LANDSCAPE INSTALLATION			
MAINTENANCE OF ES&PC BMP's			
THE ESCAPE OF SEDIMENTS FROM THE SITE S AND SEDIMENT CONTROL MEASURES AND PR	SHA ACT	LL E ICE	BE I S F

PROPERLY.

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE FINAL EROSION CONTROL PHASE OF

- SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED
- MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.
- THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE HALF WAY POINT ON THE RISER OR THE SPECIFIED
- AFTER CURBING, GRADED AGGREGATE BASE, AND PAVEMENT HAVE BEEN INSTALLED, ALL INLET SEDIMENT TRAPS ON SINGLE AND DOUBLE WING CATCH BASINS ALONG WITH ANY CURB INLETS SHALL BE REMOVED AND REPLACED WITH CURB FILTER PROTECTION. SEE
- ALL AREAS ADJACENT TO ROADWAY AND PARKING AREAS SHOULD HAVE A VEGETATIVE COVER APPLIED AS SOON AS FINAL GRADE IS
- SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE
- THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1"-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY. CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING
- EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED AS DIRECTED BY THE ON-SITE INSPECTOR OR THE CIVIL ENGINEER.
- FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED
- CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF THEM UNLESS NOTED ON PLANS.
- RESOURCES, ENVIRONMENTAL PROTECTION DIVISION (EDP) FOR AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FOR STAND
- 1. ALL DISCHARGES OF STORM WATER ASSOCIATED WITH STAND ALONE CONSTRUCTION PROJECTS THAT WILL RESULT IN
- 2. ALL DISCHARGES COVERED BY THIS PERMIT SHALL BE COMPOSED ENTIRELY OF STORM WATER EXCEPT AS PROVIDED IN PART 1.C.2
- 1. THE FOLLOWING STORM WATER DISCHARGES FROM CONSTRUCTION SITES ARE NOT AUTHORIZED BY THIS PERMIT:
- A. STORM WATER DISCHARGES ASSOCIATED WITH AN INDUSTRIAL ACTIVITY THAT ORIGINATE FROM THE SITE AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND THE SITE HAS UNDERGONE FINAL STABILIZATION.
- B. DISCHARGES THAT ARE MIXED WITH SOURCES OF NON-STORMWATER OTHER THAN DISCHARGES WHICH ARE IDENTIFIED IN PART

- NO DISCHARGES AUTHORIZED BY THIS PERMIT SHALL CAUSE VIOLATIONS OF GEORGIA'S IN-STREAM WATER QUALITY STANDARDS AS PROVIDED BY THE RULES AND REGULATIONS FOR WATER QUALITY CONTROL, CHAPTER 391-3-6-03. WATER QUALITY COMPLIANCE PART

TIVE ACTIVITY SCHEDULE MONTH 2 MONTH 3 MONTH 4 MONTH 5 MONTH 6 PREVENTED BY THE INSTALLATION OF EROSION NTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

SAMPLING REQUIREMENTS PART IV.D.6

ALL SAMPLING SHALL BE COLLECTED BY " GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED), THE GUIDANCE DOCUMENT TITLED "NPDES STORMWATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.

- 1. SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.
- 2. LARGE MOUTH, CLEAN AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATIONS.
- 3. IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORMWATER OUTFALL CHANNEL(S).
- 4. SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.
- 5. MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION, HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED.
- 6. IF MANUAL SAMPLING IS EMPLOYED, THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM, THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS, AND CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORMWATER CHANNEL.
- 7. THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORMWATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FURTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORMWATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE. SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE.
- 8. THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORMWATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E. THE DISCHARGE FARTHERMOST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.
- 9. PERMITTEES DO NOT HAVE TO SAMPLE SHEET FLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT.
- 10. DILUTION OF SAMPLES IS NOT REQUIRED.
- 11. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER.
- 12. SAMPLES ARE NOT REQUIRED TO BE COOLED.
- 13. SAMPLES AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E.
- 14. TURBIDITY RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS " EXCEEDS 1000 NTU."
- SAMPLING FREQUENCY PART IV.D.6.D 1. SAMPLING FREQUENCY SHALL OCCUR IN ACCORDANCE WITH PART IV.D.6.D (3) OF THE PERMIT.
- 2. FOR A QUALIFYING EVENT, SAMPLES MUST BE TAKEN WITHIN FORTY-FIVE (45) MINUTES OF OR AS SOON AS POSSIBLE:
- A. THE ACCUMULATION OF THE MINIMUM AMOUNT OF RAINFALL FOR THE QUALIFYING EVENT, IF THE STORMWATER DISCHARGE TO A MONITORED RECEIVING WATER OR FROM A MONITORED OUTFALL HAS BEGUN PRIOR TO THE ACCUMULATION.
- B. THE BEGINNING OF ANY STORMWATER DISCHARGE TO A MONITORED RECEIVING WATER OR FROM A MONITORED OUTFALL. IF THE DISCHARGE BEGINS AFTER THE ACCUMULATION OF THE MINIMUM AMOUNT OF RAINFALL FOR THE QUALIFYING EVENT.
- C. WHERE MANUAL AND AUTOMATIC SAMPLING ARE NOT IMPOSSIBLE (AS DEFINED IN THE PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORMWATER DISCHARGE.
- D. NORMAL BUSINESS HOURS, AS DEFINED BY THE PERMIT, ARE MONDAY THROUGH FRIDAY, 8:00 AM TO 5:00 PM EXCLUDING ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY & NON-WORKING FEDERAL HOLIDAY.
- 3. SAMPLING SHALL OCCUR FOR THE FOLLOWING QUALIFYING EVENTS FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL:
- A. FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION;
- B. IN ADDITION TO (A) ABOVE, FOR EACH OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A N.O.T., IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST.
- 4. IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN 2 BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPS ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED.
- 5. NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF NO. 3.A AND NO. 3.B BY COLLECTING TURBIDITY SAMPLES FROM ANY BAIN EVENT THAT BEACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR SAMPLING AT ANY TIME OF THE DAY OR WEEK."

E,S&PC PLAN CHECKLIST NUMBER

NRCS ORIGINAL SUBMITTAL

GE			M FOR SOI	LAND SEDIMENT CONTROL PRACTICES
CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Cd	CHECKDAM		ſ	A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.
Ch	CHANNEL STABILIZATION		T	Improving, constructing or stabilizing an open channel, existing stream, or ditch.
60	CONSTRUCTION EXIT		(LABEL)	A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Cr	CONSTRUCTION ROAD STABILIZATION		<u>ر</u>	A travelway constructed as part of a construction plan including access roads, subdivision roads, parking areas and other on-site vehicle transportation routes.
Dc	STREAM DIVERSION CHANNEL			A temporary channel constructed to convey flow around a construction site while a permanent structure is being constructed.
Di	DIVERSION			An earth channel or dike located above, below, or across a slope to divert runoff. This may be a temporary or permanent structure.
Dn1	TEMPORARY DOWNDRAIN STRUCTURE			A flexible conduit of heavy-duty fabric or other material designed to safely conduct surface runoff down a slope. This is temporary and inexpensive.
Dn2	PERMANENT DOWNDRAIN STRUCTURE			A paved chute, pipe, sectional conduit or similar material designed to safely conduct surface runoff down a slope.
Fr	FILTER RING	C		A temporary stone barrier constructed at storm drain inlets and pond outlets.
Ga	GABION	V	Sor	Rock filter baskets which are hand-placed into position forming soil stabilizing structures.
Gr	GRADE STABILIZATION STRUCTURE			Permanent structures installed to protect channels or waterways where otherwise the slope would be sufficient for the running water to form gullies.
LV	LE VEL SPREADER			A structure to convert concentrated flow of water into less erosive sheet flow. This should be constructed only on undisturbed soils.
Rd	ROCK FILTER DAM		5	A permanent or temporary stone filter dam installed across small streams or drainageways.
Re	RETAINING WALL		Re (LABEL)	A wall installed to stabilize cut and fill slopes where maximum permissible slopes are not obtainable. Each situation will require special design.
Rt	RE TRO FITTING		(LABEL)	A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary sediment filter.
Sd1	SEDIMENT BARRIER		(INDICATE TYPE)	A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
Sd2	INLET SEDIMENT TRAP		Sc3	around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities. A basin created by excavation or a dam
Sd3	TEMPORARY SEDIMENT BASIN		(LABEL)	across a waterway. The surface water runoff is temporarily stored allowing the bulk of the sediment to drop out. A small temporary pond that drains a
Sd4	TEMPORARY SEDIMENT TRAP			disturbed area so that sediment can settle out. The principle feature distinguishing a temporary sediment trap from a temporary sediment basin is the lack of a pipe or riser.
Sk	FLOATING SURFACE SKIMMER		(LABEL)	A buoyant device that releases/drains water from the surface of sediment ponds, traps, or basins at a controlled rate of flow.
SpB	SEEP BERM		(LABEL)	diversion perpendicular to the direction of runoff to enhance dissipation and infiltration, while creating multiple sedimentation chambers with the employment of intermediate dikes.
Sr	TEMPORARY STREAM CROSSING		Sr - 1 - (LABEL)	A temporary bridge or culvert-type structure protecting a stream or watercourse from damage by crossing construction equipment.
St	STORMDRAIN OUTLET PROTECTION		(F)	A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.
Su	SURFACE ROUGHENING		H-Su-H	A rough soil surface with horizontal depressions on a contour or slopes left in a roughened condition after grading.
Tc	TURBIDITY CURTAIN		Te	A floating or staked barrier installed within the water (it may also be referred to as a floating boom, silt barrier, or silt curtain).
Tp	TOPSOILING		(SHOW STREPHIC AND STORAGE AREAS)	The practice of stripping off the more fertile soil, storing it, then spreading it over the disturbed area after completion of construction activities.
T		\bigcirc	(DENOTE TREE CENTERS)	To protect desirable trees from injury during construction activity.
Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE CHANNEL			Paved or vegetative water outlets for diversions, terraces, berms, dikes or similar structures.
0.0-	V	EGETAT		PRACTICES
Bf	PRACTICE BUFFER ZONE	DETAIL	SYMBOL	DESCRIPTION Strip of undisturbed original vegetation, enhanced or restored existing vegetation or the reestablishment of vegetation surrounding
Cs	COASTAL DUNE STABILIZATION (WITH VEGETATION)	A STRAFT A S	Cs	un area of disturbance or bordering streams. Planting vegetation on dunes that are denuded, artificially constructed, or re-nourished.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)	No. Contraction of the second se	Ds2	Establishing a temporary vegetative cover with fast growing seedings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	Ds3	Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (SODDING)		Ds4	A permanent vegetative cover using sods on highly erodable or critically eroded lands.
Du	DUST CONTROL ON DISTURBED AREAS		Du	Controlling surface and air movement of dust on construction site, roadways and similar sites.
FI-Co	FLOCCULANTS AND COAGULANTS		FI-Co	Substance formulated to assist in the solids/liquid separation of suspended particles in solution.
Sb	STREAMBANK STABILIZATION (USING PERM VEGETATION)		Sb	The use of readily available native plant materials to maintain and enhance streambanks, or to prevent, or restore and repair small streambank erosion problems
Ss	SLOPE STABILIZATION		Ss	A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels
Tac	TACKIFIERS AND BINDERS		Тас	Substance used to anchor straw or hay mulch by causing the organic material to bind together.
				-

