PRIMARY PERMITTEE:

MR. JOSH MALCOM
CONTACT PERSON

HENRY COUNTY BOARD OF EDUCATION
COMPANY

396 TOMLINSON STREET
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ADDRESS

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CERTIFICATION STATEMENTS:

"I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION."

"I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE 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."

"I UNDERSTAND THAT AS THE PLAN PREPARER, RETAINED BY THE PRIMARY PERMITTEE, I MUST VISIT THE SITE WITHIN 7 DAYS AFTER INSTALLATION ONCE THE CONSTRUCTION ACTIVITIES COMMENCE, TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S."

"THE OWNER/DEVELOPER AND ENGINEER HAVE REVIEWED THE APPROPRIATE LOCAL, STATE AND FEDERAL REGULATIONS REGARDING DEVELOPMENT ACTIVITIES ADJACENT TO FLOODPLAINS, STATE WATERS AND WETLANDS AND HAVE DETERMINED THAT THIS DEVELOPMENT PLAN SATISFIES THE STANDARDS PRESENTED IN ALL APPLICABLE REGULATIONS."

"I CERTIFY THAT GEORGIA'S 2018 305(b)/303(d) LIST DOCUMENTS HAVE BEEN CONSULTED TO DETERMINE IF SITE DISCHARGES TO AN IMPAIRED STREAM SEGMENT OR WITHIN 1 MILE UPSTREAM OF A BIOTA IMPAIRED STREAM SEGMENT."

08.13.20

DON L. CARTER, P.E. LEVEL II CERTIFIED
DESIGN PROFESSIONAL

CERTIFICATION NUMBER: 0000002061
ISSUED: 11/2/2017 EXPIRES: 11/2/2020

MAINTENANCE STATEMENT:

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 TO CONTROL OR TREAT THE SEDIMENT SOURCE.

14 DAY DISTURBANCE NOTE:

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

EROSION CONTROL NOTE:

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

FLOODPLAIN NOTE (EXISTING & FUTURE CONDITIONS):

ACCORDING TO FLOOD INSURANCE RATE MAPS, PANEL #159, DATED MAY 2010, FOR HENRY COUNTY, THIS PROPERTY IS NOT LOCATED WITHIN THE 100-YEAR FLOODPLAIN FOR EXISTING OR FUTURE CONDITIONS.

THE DEVELOPMENT OF THIS PROJECT WILL NOT IMPACT THE 100-YEAR FLOODPLAIN.

THE BUILDING IS NOT LOCATED WITHIN A 500-YEAR FLOODPLAIN.

WETLANDS NOTE:

WETLAND AREAS HAVE BEEN MAPPED ALONG THE CREEK BEDS AND THE CHANNEL THROUGH THE OLD LAKE BED IN THE SOUTHEAST QUADRANT OF THE PROPERTY.

THE WETLANDS WILL NOT BE IMPACTED BY THE PROJECT.

STATE WATERS NOTE:

ALL STATE WATERS AND STATE WATERS BUFFERS LOCATED ON OR WITHIN 200 FEET OF THE PROJECT AREA HAVE BEEN DELINEATED AND SHOWN ON THE CONSTRUCTION PLANS.

STATE WATERS BUFFER REQUIREMENTS:

-ALL STATE WATERS BUFFERS AND UNDISTURBED BUFFERS SHALL BE FIELD LOCATED, STAKED AND FLAGGED OR MARKED WITH "TENZAL" OR SIMILAR TYPE FENCING AND SHALL BE SUBMITTED TO THE CITY FOR APPROVAL PRIOR TO GRADING.

-EXISTING VEGETATION SHALL BE PRESERVED WITHIN ALL BUFFER AREAS.

-ANY CONTEMPLATED DISTURBANCES SHALL FIRST BE BROUGHT TO THE ATTENTION OF THE CITY OF McDONOUGH AND FORMAL APPROVAL SECURED PRIOR TO INITIATING ACTIVITY WITHIN THE REQUIRED BUFFER AREAS.

-NO BUFFER ENCROACHMENTS OR BUFFER VARIANCES ARE NECESSARY FOR THIS PROJECT.

-NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

PROJECT RECEIVING WATERS:

STORMWATER FROM THE PROJECT SITE ARE COLLECTED INTO UNNAMED TRIBUTARIES OF KALVES CREEK. THIS WATERWAY IS NOT LISTED IN THE DRAFT 2020 305(b)/303(d) LIST OF WATERWARYS.

ADJACENT PROPERTIES:

IMMEDIATE AND DOWNGRADE PROPERTIES ARE COMPOSED OF EDUCATIONAL, COMMERCIAL, RESIDENTIAL AND UNDEVELOPED LAND USES. NO ADVERSE EFFECTS WILL IMPACT THESE PROPERTIES DUE TO CONSTRUCTION OF THIS PROJECT.

EROSION NOTES:

1. EXISTING LAND USE: THE EXISTING SITE IS OCCUPIED BY AN EXISTING HIGH SCHOOL.

   PROPOSED PROJECT: THIS PROJECT INCLUDES THE DEMOLITION OF EXISTING ATHLETIC FIELDS AND ASSOCIATED STRUCTURES AND THE CONSTRUCTION OF A NEW DISTRIBUTION CENTER TO SERVE THE SCHOOL SYSTEM.
2. OWNER/DEVELOPER: HENRY COUNTY BOARD OF EDUCATION, 396 TOMLINSON STREET, McDONOUGH, GEORGIA 30253

   24 HR CONTACT: MR. JOSH MALCOM, TEL: (770) 957-1891, Email: joshua.malcom@henry.k12.ga.us
3. PROPERTY ACREAGE: ±84.60 ACRES
4. DISTURBED AREA: 6.1 ACRES
5. CRITICAL AREAS ONSITE: POTENTIAL ONSITE EROSION AND SEDIMENT PROBLEMS INCLUDE FILL SLOPES AND STORMWATER DISCHARGE FROM STORM SEWERS. SEDIMENT BARRIER SILT FENCING WILL BE PLACED ALONG THE PERIMETER OF THE SITE AT CRITICAL LOCATIONS. BERMS, SWALES AND DIVERSION DITCHES WILL BE EMPLOYED TO PREVENT RUNOFF FROM WASHING OVER SLOPES. CONSTRUCTION ACTIVITIES AT THIS SITE SHOULD HAVE NO ADVERSE EFFECTS TO DOWNSTREAM PROPERTIES.
6. AMENDMENTS / REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP's WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
7. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

DESIGN PROFESSIONAL 7-DAY VISIT CERTIFICATION:

DATE OF INSPECTION ______________________

I CERTIFY THE SITE WAS IN COMPLIANCE WITH THE ES&PC PLAN ON THE DATE OF INSPECTION.

DON L. CARTER, P.E. — 0000002061 CERTIFICATION #
GSWCC LEVEL II DESIGN PROFESSIONAL

INSPECTION REVEALED THE FOLLOWING DISCREPANCIES FROM THE ES&PC PLAN:

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THESE DISCREPANCIES MUST BE ADDRESSED IMMEDIATELY AND A RE-INSPECTION SCHEDULED. WORK SHALL NOT PROCEED ON THE SITE UNTIL DESIGN PROFESSIONAL CERTIFICATION IS OBTAINED.

THE DESIGN PROFESSIONAL WHO PREPARED THE ES & PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP's WITHIN 7 DAYS AFTER INSTALLATION.

INITIAL PHASE EROSION CONTROL NOTES:

THE CONTRACTOR SHALL OBSERVE THE PROJECT SEQUENCE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND AREA STRIPPED OF ITS NATURAL COVER IS EXPOSED ONLY IN MANAGEABLE QUANTITIES.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXITS, ALL PERIMETER EROSION CONTROL AND STORMWATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.

TYPE "S" SILT FENCE SHOULD BE INSTALLED AT THE PERIMETER OF THE DISTURBED AREA AS SHOWN ON THE PLAN. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA, TABLE 6-20.2. THE SILT FENCE SHOULD BE KEPT ERECT AT ALL TIMES AND REPAIRED WHEN REQUESTED BY THE SITE INSPECTOR OR THE PROJECT DESIGN PROFESSIONAL OF RECORD. SILT SHOULD BE REMOVED WHEN ACCUMULATION REACHES ½ HEIGHT OF THE BARRIER. THE PERIMETER SILT FENCE SHOULD BE INSPECTED DAILY FOR ANY FAILURES. ANY FAILURES OF SAID FENCING SHOULD 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 ACTIVITY 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. THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT PONDS AND DIVERSION DIKES AS SHOWN ON THE PLAN TO CONTROL EROSION AND STORMWATER RUNOFF.

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

NO BURN PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT WRITTEN PERMISSION BY THE OWNER AND THE GOVERNING AUTHORITIES. IF BURNING IS NOT PERMITTED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING FROM THE SITE ALL WASTE MATERIALS AND MATERIALS FROM CLEARING AND GRUBBING OPERATIONS.

NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION AND SEDIMENT PONDS ARE CONSTRUCTED AS SHOWN ON THE INITIAL PHASE EROSION CONTROL PLAN.

NO BURY PITS SHALL BE PERMITTED ON SITE.

INTERMEDIATE PHASE EROSION CONTROL NOTES:

EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF 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 CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.

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

AFTER PRELIMINARY GRADING ACTIVITIES, THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT BASINS AND DIVERSION DIKES AS SHOWN ON THE PLAN. THE CONTRACTOR SHALL MAINTAIN THE SEDIMENT POND UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE 1/3 DEPTH OF BASIN. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

CUT AND FILL SLOPES ARE NOT TO EXCEED "2.5H:IV"

ALL SLOPES STEEPER THAN 2.5:1 AND WITH A HEIGHT OF TEN FEET OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFERS, SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL MATTING OR BLANKETS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

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 ON TYPE OF INLET PROTECTION SPECIFIED.

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

STORM DRAIN OUTLET PROTECTION SHALL BE PLACED AT ALL OUTLET HEADWALLS AS SOON AS THE HEADWALL IS CONSTRUCTED. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

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

FINAL PHASE EROSION CONTROL NOTES:

THE CONTRACTOR SHALL MAINTAIN ALL SEDIMENT PONDS AND 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.

AFTER CURBING, GRADED AGGREGATE BASE, AND PAVEMENT HAS BEEN INSTALLED, ALL INLET SEDIMENT TRAPS ON CATCH BASINS AND CURB INLETS SHALL BE REMOVED AND REPLACED WITH CURB FILTER INLET PROTECTION. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.

ALL ROADWAY SHOULDERS SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED BEHIND CURBS.

UPON COMPLETION OF THE PROJECT AND RECEIPT OF CERTIFICATE OF OCCUPANCY, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES (SILT FENCING, MULCH ..., TEMPORARY PIPING AND STRUCTURES, CONSTRUCTION EXIT PADS, TEMPORARY SEDIMENT TRAPS, ETC.) AND DISPOSE OF THEM UNLESS OTHERWISE NOTED ON PLANS.

EROSION & SEDIMENTATION & POLLUTION CONTROL NOTES:

1. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, AND LOCAL AND STATE REQUIREMENTS AND SPECIFICATIONS MUST MEET, AT A MINIMUM, GUIDELINES SET FORTH IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA." FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES CAN RESULT IN CONSTRUCTION BEING HALTED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED.
2. 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 TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE ON SITE INSPECTOR OR THE CIVIL ENGINEER.
3. EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE, CERTIFIED PERSONNEL SHALL INSPECT (A) ALL AREAS WHERE PETROLEUM PRODUCTS ARE STORED, USED OR HANDLED AND (B) ALL LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.
4. A SITE INSPECTION SHALL BE CONDUCTED WITHIN 24 HOURS OF THE END OF ANY RAINFALL EVENT THAT IS GREATER THAN OR EQUAL TO 0.5-IN., AND AT LEAST, EVERY SEVEN (7) DAYS. EACH DEVICE IS TO BE MAINTAINED OF REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ON HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.
5. ANY DEFICIENCIES IDENTIFIED DURING THE INSPECTION OF BMP's SHALL BE CORRECTED WITHIN SEVEN (7) DAYS OF THE INSPECTION.
6. EACH DAY THERE IS A FAILURE TO PROPERLY INSTALL AND MAINTAIN ES&PC BMP's CONSTITUTES A VIOLATION OF THE NPDES PERMIT. A VIOLATION OF THE TURBIDITY LIMITS FOR RECEIVING STREAMS DEFINED BY THE NPDES PERMIT SHALL CONSTITUTE A SECOND VIOLATION OF THE PERMIT.
7. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE 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.
8. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCES AND EXITS, ALL PERIMETER EROSION CONTROL DEVICES AND STORMWATER MANAGEMENT DEVICES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION. THE LOCATION OF CERTAIN EROSION CONTROL DEVICES MAY REQUIRE ALTERING FROM THE LOCATIONS SHOWN ON THE DRAWING IF DRAINAGE PATTERNS DURING CONSTRUCTION DIFFER FROM THE FINAL GRADING PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. AT ALL TIMES, 67 CUBIC YARDS OF SEDIMENT STORAGE MUST BE AVAILABLE FOR EACH ACRE OF DISTURBED LAND.
   - ALL B.M.P. DEVICES, PRACTICES, AND MATERIALS SHALL BE DESIGNED AND INSTALLED TO WITHSTAND EFFECTS OF A MINIMUM 25-YEAR STORM EVENT.
   - DIVERSION DITCHES, BERMS AND TEMPORARY DOWN DRAINS SHALL BE USED DURING GRADING OPERATIONS TO PROVIDE SEDIMENT CONTROL FOR DISTURBED AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF THESE MEASURES DURING THE VARIOUS PHASES OF GRADING. THESE MEASURES MAY OR MAY NOT BE INDICATED ON THE DRAWINGS.
   - SILT MATERIALS SHALL BE REMOVED WHEN ACCUMULATION REACHES ONE HALF THE HEIGHT OF SILT BARRIER.
9. NO STAGING AREAS, MATERIAL STORAGE, CONCRETE WASH OUT AREAS, OR DEBRIS BURN AND BURIAL HOLES SHALL BE LOCATED WITHIN 300 FEET OF DESIGNATED TREE PROTECTION AREAS.
10. SEDIMENT BARRIERS SHALL MEET D.O.T. STANDARDS AND SPECIFICATIONS AND SHALL BE INSTALLED AS DETAILED ON THE DRAWINGS.
11. CONSTRUCT CONSTRUCTION EXITS AT LOCATIONS SHOWN ON THE EROSION CONTROL PLAN. EXIT SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE FOLLOWING:

    AGGREGATE SIZE: WILL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION ASTM D448 SIZE #1 (1.5 TO 3.5 INCH STONE). STONE SHALL BE UNDERLAYED WITH GEOTEXTILE FABRIC.
    PAD THICKNESS: 6-INCH MINIMUM.
    PAD WIDTH: AT A MINIMUM, SHOULD EQUAL FULL WIDTH OF ALL POINTS OF VEHICULAR EGRESS, BUT NOT LESS THAN 20 FEET WIDE AND 50 FEET LONG.

    WASHING: WHEELS SHALL BE CLEANED TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WASHING SHALL BE PERFORMED ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

    MAINTENANCE: THE 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 1.5-3.5 INCH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
12. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES WILL BE INSTALLED BY CONTRACTOR IF DEEMED NECESSARY BY ON-SITE INSPECTION.
13. ESTABLISHMENT OF TEMPORARY AND PERMANENT VEGETATION FOR THIS PROJECT SHALL CONSIST OF THE FOLLOWING: THE GROUND PREPARATION, SEEDING, MULCHING AND HYDROSEEDING OF ALL DISTURBED AREAS IN THE PROJECT AREA IN ACCORDANCE WITH THE FOLLOWING SCHEDULE. GROUND PREPARATION SEEDING, MULCHING AND HYDROSEEDING METHODS SHALL CONFORM TO THE SPECIFICATIONS.

    MULCH, TEMPORARY VEGETATION, OR PERMANENT (PERENNIAL) VEGETATION SHALL BE COMPLETED ON ALL EXPOSED AREAS BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE.

    MULCHING ALONE: MULCHING ALONE CAN BE USED ON ROUGH GRADED AREAS FOR UP TO SIX MONTHS. IT SHALL BE APPLIED AT THE APPROPRIATE DEPTH, ANCHORED, AND MAINTAIN A CONTINUOUS 90% COVER OR GREATER OF THE SOIL SURFACE. SEE MULCHING TABLE.
    TEMPORARY SEEDING: SHALL BE USED ON AREAS THAT WILL BE UNDISTURBED FOR LESS THAN SIX MONTHS. SEE GRASSING TABLE.

    PERMANENT VEGETATION: SHALL BE USED ON AREAS THAT ARE AT FINAL GRADE OR ON AREAS THAT WILL BE UNDISTURBED FOR MORE THAN SIX MONTHS. SEE GRASSING TABLE AND MULCHING SCHEDULE.
14. EROSION CONTROL BLANKETS OR SODDING SHALL BE USED ON (1) ALL SLOPES STEEPER THAN 2 1/2:1 AND GREATER THAN OR EQUAL TO 10 FEET IN HEIGHT, (2) ALL CONCENTRATED FLOW AREAS, AND (3) CUTS AND FILLS ADJACENT TO STATE WATERS. REFER TO DRAWINGS FOR AREAS REQUIRING THESE MEASURES.
15. CONTRACTOR SHALL MAINTAIN ON PROJECT SITE DIRECTIONS FOR NECESSARY ACTIONS SHOULD ANY FUEL OR HAZARDOUS CHEMICAL SPILL OCCUR AT THE PROJECT SITE OR DURING TRANSPORTATION OPERATIONS TO OR FROM THE PROJECT SITE.
16. CONTRACTOR SHALL EMPLOY APPROPRIATE MEASURES TO CONTINUOUSLY WITH THE UNDERSTANDING WATER USE RESTRICTIONS COULD BE IMPOSED DURING SOME OR ALL PHASES OF CONSTRUCTION.
17. PREPARATION OF ES&PC PLAN AND ACTIVITIES OF CONTRACTOR SHALL BE IN COMPLIANCE WITH WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS.
18. TEMPORARY MEASURES SUCH AS SILT FENCING SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR ONCE THE AREA DRAINING TO THE BMP HAS REACHED FINAL STABILIZATION. FINAL STABILIZATION MEANS THAT ALL LAND DISTURBING ACTIVITIES HAVE BEEN COMPLETED AND THAT FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES, THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION OR THAT EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS RIP RAP, GABIONS, PERMANENT MULCHES, OR GEOTEXTILES) HAVE BEEN EMPLOYED.
19. PERMANENT CONTROL STRUCTURES SHALL BE MAINTAINED BY THE CONTRACTOR FOR A PERIOD OF 1 YEAR FOLLOWING ACCEPTANCE OF THE PROJECT.
20. A COPY OF THE LDA PERMIT, APPROVED ES&PC PLAN, AND ALL REQUIRED NPDES DOCUMENTATION SHALL BE PRESENT ON THE SITE UNTIL A NOTICE OF TERMINATION IS FILED.

PIEDMONT VEGETATIVE COVERS

MONTH	TEMPORARY SEED	TEMP RATE/ACRE	PERMANENT SEED (LANDSCAPES/SHOULDERS)	PERM. RATE/ACRE	PERMANENT SEED (SLOPES 2:1 AND STEEPER)	PERM. RATE/ACRE
JANUARY	ANNUAL RYEGRASS	40 LB.	UNHULLED BERMUDA	40 LB.	SERICEA LESPEDEZA	75 LB.
FEBRUARY	ANNUAL RYEGRASS	40 LB.	UNHULLED BERMUDA	40 LB.	SERICEA LESPEDEZA	75 LB.
MARCH	ANNUAL RYEGRASS	40 LB.	HULLED BERMUDA	40 LB.	SERICEA LESPEDEZA & WEEPING LOVEGRASS	75 LB. 4 LB.
APRIL	BROWN TOP MILLET	40 LB.	HULLED BERMUDA	40 LB.	SERICEA LESPEDEZA & WEEPING LOVEGRASS	75 LB. 4 LB.
MAY	BROWN TOP MILLET	40 LB.	HULLED BERMUDA	40 LB.	SERICEA LESPEDEZA & WEEPING LOVEGRASS	75 LB. 4 LB.
JUNE	BROWN TOP MILLET	40 LB.	HULLED BERMUDA	40 LB.	SERICEA LESPEDEZA & WEEPING LOVEGRASS	75 LB. 4 LB.
JULY	BROWN TOP MILLET	40 LB.			SERICEA LESPEDEZA	75 LB.
AUGUST	ANNUAL RYEGRASS	40 LB.			SERICEA LESPEDEZA	75 LB.
SEPTEMBER	ANNUAL RYEGRASS	40 LB.			SERICEA LESPEDEZA	75 LB.
OCTOBER	ANNUAL RYEGRASS	40 LB.	UNHULLED BERMUDA	40 LB.	SERICEA LESPEDEZA	75 LB.
NOVEMBER	ANNUAL RYEGRASS	40 LB.	UNHULLED BERMUDA	40 LB.	SERICEA LESPEDEZA	75 LB.
DECEMBER	ANNUAL RYEGRASS	40 LB.	UNHULLED BERMUDA	40 LB.	SERICEA LESPEDEZA	75 LB.

TEMPORARY VEGETATION/ MULCHING - DS2

LIME: APPLY AGRICULTURAL LIME AT A RATE OF ONE TON PER ACRE.

FERTILIZER: APPLY 10-10-10 FERTILIZER AT A RATE OF 500 LBS PER ACRE.

MULCHING RATES: FOR TEMPORARY VEGETATION

1 - DRY STRAW: 2 TONS PER ACRE
2 - DRY HAY: 2.5 TONS PER ACRE
3 - WOOD CELLULOSE MULCH OR WOOD PULP FIBER: 500 LBS PER ACRE

PERMANENT VEGETATION/ MULCHING - DS3

LIME: APPLY AGRICULTURAL LIME AT A RATE OF ONE TO TWO TONS PER ACRE AS RECOMMENDED BY SOIL TESTS.

FERTILIZER: APPLY 6-12-12 FERTILIZER AT A RATE OF 1500 LBS PER ACRE.

MULCHING RATES: FOR PERMANENT VEGETATION

1 - DRY STRAW: 2 TONS PER ACRE
2 - DRY HAY: 2.5 TONS PER ACRE
3 - WOOD CELLULOSE MULCH OR WOOD PULP FIBER: 500 LBS PER ACRE

NOTE: PERMANENT VEGETATION INDICATED ABOVE IS REQUIRED FOR ALL DISTURBED AREAS OF THE SITE EXCEPT:
1 - AREAS TO BE SODDED
2 - SPORTS FIELDS WHICH ARE TO BE PERMANENTLY SEEDED WITH PRINCESS-77 BERMUDA 80 LBS./ACRE (SEE SPECS.)

POLYACRYLAMIDE - PM

CONTRACTOR SHALL INCORPORATE USE OF POLYACRYLAMIDE WITH ALL TEMPORARY AND PERMANENT GRASSING FOR AREAS THAT HAVE NOT BEEN STABILIZED WITH TEMPORARY OR PERMANENT COVER WITHIN 7 DAYS OF INITIAL DISTURBANCE.

ANIONIC PAM APPLICATION SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS, RULES, OR REGULATIONS GOVERNING ANIONIC PAM. THE OPERATOR IS RESPONSIBLE FOR SECURING REQUIRED PERMITS.

USERS OF ANIONIC PAM SHALL OBTAIN AND FOLLOW ALL MATERIAL SAFETY DATA SHEET REQUIREMENTS AND MANUFACTURER'S RECOMMENDATIONS.

REMEDIATION OF PETROLEUM SPILLS AND LEAKS

SOIL CLEANUP AND CONTROL PRACTICES

- LOCAL, STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.
- MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.
- SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS.
- FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.
- FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.
- FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS.
- FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.
- THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.

WASTE DISPOSAL, SANITARY SEWER, AND/OR SEPTIC TANK REGULATIONS

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE, AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SITE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, WILL INSTRUCT SITE PERSONNEL IN THESE PRACTICES. MATERIAL SAFETY DATA SHEETS (MSDS'S) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE ESPCP FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.

THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THIS ESPCP AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH STORM WATER DISCHARGES. IF SUCH OCCURS, THE STORM WATER DISCHARGE WILL BE CONTAINED ONSITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORM WATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.

SANITARY WASTES

A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN (10) WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS.

ALL SANITARY WASTE UNITS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORM WATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMP'S MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORM WATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN GRADING PHASE, BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

SANITARY SEWER WILL BE PROVIDED BY MUNICIPAL AUTHORITY/SEPTIC SYSTEM AT THE COMPLETION OF THIS PROJECT.

PRACTICES TO REDUCE POLLUTANTS IN STORM WATER DISCHARGE

PRODUCT SPECIFIC PRACTICES

PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS AND TARS SHALL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ONSITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS SHALL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS 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. 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. CONCRETE WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS AND THE REAR OF VEHICLES SHALL BE CONTAINED IN A PIT OR TRENCH WITH NO MATERIAL LEAVING THE SITE OR IMPACTING VEGETATED OR NON-DISTURBED AREAS. CONTRACTOR SHALL DISPOSE OF MATERIAL BY BREAKING OF MATERIAL INTO SMALL AMOUNTS AND DISPOSING OF MATERIAL OFF-SITE INTO A LANDFILL APPROVED TO ACCEPT SUCH WASTE.

FERTILIZER/HERBICIDES - THESE PRODUCTS SHALL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

SOLID WASTE DISPOSAL:

1. BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS SHALL BE BURIED OR DISPOSED OF ONSITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.
2. SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL NOT BE DISCHARGED TO WATERS OF THE STATE OR BURIED ON SITE.
3. WASTE DISPOSAL CONTAINERS WILL BE PROVIDED BY CONTRACT HAULER FOR WASTE MATERIALS GENERATED DURING CONSTRUCTION.
4. THE COMPLETED FACILITY WILL HAVE WASTE DUMPSTERS THAT WILL BE SERVICED BY A CONTRACT HAULER.

COVER FOR BUILDING MATERIALS & PRODUCTS - FOR BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS PRESENT ON THE SITE, PROVIDE COVER (E.G. PLASTIC SHEETING, TEMPORARY ROOFS) TO MINIMIZE THE EXPOSURE OF THESE PRODUCTS TO PRECIPITATION AND TO STORMWATER, OR A SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THESE AREAS. MINIMIZATION OF EXPOSURE IS NOT REQUIRED IN CASES WHERE EXPOSURE TO PRECIPITATION AND TO STORMWATER WILL NOT RESULT IN A DISCHARGE OF POLLUTANTS, OR WHERE EXPOSURE OF A SPECIFIC MATERIAL OR PRODUCT POSES LITTLE RISK TO STORMWATER CONTAMINATION (SUCH AS FINAL PRODUCTS AND MATERIALS INTENDED FOR OUTDOOR USE).

MEASURES TO BE INSTALLED DURING CONSTRUCTION TO CONTROL POLLUTANTS IN STORMWATER AFTER CONSTRUCTION

FOR THIS PROJECT, MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORMWATER THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED INCLUDE THE FOLLOWING:

-EXISTING STORMWATER MANAGEMENT POND WHICH SLOWS RUNOFF RATE AND PROVIDES WATER QUALITY TREATMENT TO REMAIN.

NOTE: THE PERMITTEE IS ONLY RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF STORMWATER MANAGEMENT DEVICES PRIOR TO FINAL STABILIZATION OF THE SITE AND NOT THE OPERATION AND MAINTENANCE OF SUCH STRUCTURES AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED. (PERMIT IV.D.3.B PG 29)

APPROX. STARTING DATE: OCTOBER 1,2020
APPROX. COMPLETION DATE: OCTOBER 1, 2021

EROSION CONTROL PHASE	ITEM	DESCRIPTION	MONTHS OF CONSTRUCTION ACTIVITY 1	2	3	4	5	6	7	8	9	10	11	12
INITIAL PHASE	1	SILT BARRIER INSTALLATION												
	2	CLEARING AND GRUBBING												
	3	SEDIMENT STORAGE AREAS												
INTERMEDIATE PHASE	4	GRADING												
	5	STORM DRAINAGE												
	6	UTILITIES												
	7	TEMPORARY GRASSING												
FINAL PHASE	8	BUILDING												
	9	CURB AND GUTTER												
	10	SIDEWALKS												
	11	BASE AND PAVING												
	12	FINAL GRASSING & REMOVAL OF TEMPORARY STRUCTURES												
ALL PHASES	13	MAINTAIN SOIL AND EROSION CONTROL MEASURES												

NOTES: STARTING & COMPLETION DATES ARE APPROXIMATE AND ARE NOT INTENDED TO BE CONTRACTUAL.

THE INSTALLATION OF SOIL EROSION CONTROL MEASURES & PRACTICES SHALL BE INSTALLED PRIOR TO LAND-DISTURBING ACTIVITIES.

SOIL DATA

NAME	SYMBOL	DEPTH FROM SURFACE (inches)	USDA TEXTURE	PERMEABILITY (in./hr.)	AVAIL. WATER CAPACITY (in./in. of soil)
APPLING	AnC2	0-3 3-48 48-60	SANDY CLAY LOAM SANDY CLAY, CLAY LOAM, CLAY VARIABLE	0.6-2.0 0.6-2.0 ---	0.12-0.15 0.15-0.17 ---
CECIL	CeB, CeC	0-6 6-58 58-65	SANDY LOAM CLAY VARIABLE	2.0-6.0 0.6-2.0 ---	0.12-0.14 0.13-0.15 ---
CECIL	CuC	0-6 6-58 58-65	SANDY LOAM CLAY VARIABLE	2.0-6.0 0.6-2.0 ---	0.12-0.14 0.13-0.15 ---
URBAN LAND	UD				

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Cd	CHECKDAM			A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.
Ch	CHANNEL STABILIZATION			Improving, constructing or stabilizing an open channel, existing stream, or ditch.
Co	CONSTRUCTION EXIT			A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Cr	CONSTRUCTION ROAD STABILIZATION			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			A temporary stone barrier constructed at storm drain inlets and pond outlets.
Ga	GABION			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	LEVEL 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			A permanent or temporary stone filter dam installed across small streams or drainageways.
Re	RETAINING WALL			A wall installed to stabilize cut and fill slopes where maximum permissible slopes are not obtainable. Each situation will require special design.
Rt	RETRO FITTING			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			A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
Sd2	INLET SEDIMENT TRAP			An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.
Sd3	TEMPORARY SEDIMENT BASIN			A basin created by excavation or a dam across a waterway. The surface water runoff is temporarily stored allowing the bulk of the sediment to drop out.
Sd4	TEMPORARY SEDIMENT TRAP			A small temporary pond that drains a 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			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			Linear control device constructed as a 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			A temporary bridge or culvert-type structure protecting a stream or watercourse from damage by crossing construction equipment.
St	STORMDRAIN OUTLET PROTECTION			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			A rough soil surface with horizontal depressions on a contour or slopes left in a roughened condition after grading.
Tc	TURBIDITY CURTAIN			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			The practice of stripping off the more fertile soil, storing it, then spreading it over the disturbed area after completion of construction activities.
Tr	TREE PROTECTION			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.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Bf	BUFFER ZONE			Strip of undisturbed original vegetation, enhanced or restored existing vegetation or the reestablishment of vegetation surrounding an area of disturbance or bordering streams.
Cs	COASTAL DUNE STABILIZATION (WITH VEGETATION)		Cs	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 erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)		Ds2	Establishing a temporary vegetative cover with fast growing seedings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)		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.
Fl-Co	FLOCCULANTS AND COAGULANTS		Fl-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		Tac	Substance used to anchor straw or hay mulch by causing the organic material to bind together.

REVISIONS/ISSUANCES

NO.	DATE	DESCRIPTION

GEORGIA811 Utilities Protection Center, Inc. Know what's below. Call before you dig.

KEYPLAN

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Macon, GA 31210
(478) 319-2600

LEVEL II CERTIFIED
DESIGN PROFESSIONAL # 2061
ISSUED: 11/2/2017 EXPIRES: 11/2/2020

Manley Spangler Smith Architects
A Professional Corporation

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PROJECT:
HENRY COUNTY SCHOOLS-DISTRIBUTION CENTER

CLIENT:
HENRY COUNTY BOARD OF EDUCATION

SHEET TITLE:
STORMWATER POLLUTION PREVENTION NOTES

PROJECT NUMBER:	201827
DATE:	08.13.20
SCALE:	AS SHOWN
DRAWN BY:	BCS
CHECKED BY:	DLC

SHEET NO.:
C6.8

M0700 384 Details.dwg