

EROSION CONTROL NOTES:

- AT ALL TIMES, THE CONTRACTOR SHALL ADHERE TO LOCAL, STATE AND FEDERAL EROSION AND SEDIMENT CONTROL REGULATIONS AND TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE EXERCISED TO CONTROL EROSION AND SEDIMENTATION FOR ALL RAINFALL EVENTS IN ACCORDANCE WITH THE "GREEN BOOK".
- EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLANS DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
- 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.
- ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN SEVEN (7) CALENDAR DAYS SHALL BE STABILIZED WITH MULCH, TEMPORARY SEEDING, OR ANIONIC POLYACRYLAMIDE (PAM) IN ACCORDANCE WITH PART III.D.1 OF THE NPDES PERMIT.
- IN CONCENTRATED FLOW AREAS, ALL SLOPES STEEPER THAN 2.5:1 AND WITH HEIGHT 10 FEET OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFER, SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING OR BLANKET.
- WASHING DOWN AND CLEANING OF ALL CONCRETE TRUCKS AND EQUIPMENT IS NOT ALLOWED ON SITE.
- STRIPPING OF VEGETATION, REGRADING, AND OTHER DEVELOPMENT ACTIVITIES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO MINIMIZE EROSION.
- CUT AND FILL OPERATIONS SHALL BE KEPT TO A MINIMUM.
- DEVELOPMENT PLANS MUST CONFORM TO TOPOGRAPHY AND SOIL TYPE, SO AS TO CREATE THE LOWEST PRACTICABLE EROSION POTENTIAL.
- WHENEVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED, PROTECTED AND SUPPLEMENTED.
- THE DISTURBED AREA AND THE DURATION OF EXPOSURE TO EROSION ELEMENTS SHALL BE KEPT TO A PRACTICABLE MINIMUM.
- DISTURBED SOIL SHALL BE STABILIZED AS QUICKLY AS PRACTICABLE.
- TEMPORARY VEGETATION OR MULCHING SHALL BE EMPLOYED TO PROTECT EXPOSED CRITICAL AREAS DURING DEVELOPMENT.
- PERMANENT VEGETATION AND STRUCTURAL EROSION CONTROL MEASURES SHALL BE INSTALLED AS SOON AS PRACTICABLE.
- TO THE EXTENT NECESSARY, SEDIMENT IN RUN-OFF WATER SHALL BE TRAPPED BY THE USE OF DEBRIS BASINS, SILT TRAPS, OR SIMILAR MEASURES UNTIL THE DISTURBED AREA IS STABILIZED.
- ADEQUATE PROVISIONS SHALL BE PROVIDED TO MINIMIZE DAMAGE FROM SURFACE WATER TO THE CUT FACE OF EXCAVATIONS OR THE SLOPING SURFACES OF FILLS.
- CUTS AND FILLS SHALL NOT ENDANGER ADJOINING PROPERTY.
- FILLS SHALL NOT ENCRoACH UPON NATURAL WATER COURSES OR CONSTRUCTED CHANNELS IN A MANNER SO AS TO ADVERSELY AFFECT OTHER PROPERTY OWNERS.
- GRADING EQUIPMENT SHALL CROSS FLOWING STREAMS BY THE MEANS OF BRIDGES OR CULVERTS, EXCEPT WHEN SUCH METHODS ARE NOT FEASIBLE, PROVIDED IN ANY CASE THAT SUCH CROSSINGS SHALL BE KEPT TO A MINIMUM.
- PROVISIONS SHALL BE PROVIDED FOR TREATMENT OR CONTROL OF ANY SOURCE OF SEDIMENT AND ADEQUATE SEDIMENTATION CONTROL FACILITIES TO RETAIN SEDIMENTS ON SITE OR PRECLUDE SEDIMENTATION OF ADJACENT WATERS BEYOND THE LEVELS SPECIFIED IN THE NPDES PERMIT.
- ALL WASTE AND DEBRIS GENERATED BY THE PROPOSED CONSTRUCTION IS TO BE DISPOSED OF PROPERLY AND IN AN APPROVED AREA. ALL DISTURBED AREAS ARE TO BE STABILIZED WITH PERMANENT VEGETATION AS SOON AS PRACTICAL.
- CLEAN UP AND/OR CONTAIN FUEL AND OIL SPILLS IMMEDIATELY. REPORT ANY CHEMICAL SPILLS INTO WATERWAYS IMMEDIATELY TO THE GEORGIA EPD EMERGENCY RESPONSE PROGRAM (1-800-241-4113). IF FUEL AND OIL ARE TO BE STORED ON-SITE, THEY MUST BE STORED IN ACCORDANCE WITH THE GEORGIA FIRE MARSHALL'S RULES AND REGULATIONS. A DIKE OF SUFFICIENT HEIGHT TO CONTAIN THE VOLUME OF FUEL OR OIL BEING STORED ALONG WITH MATERIALS AND PRODUCTS MADE FOR THE ABSORPTION OF PETROLEUM PRODUCTS ARE REQUIRED ON-SITE. ANY USED ABSORBING MATERIAL MUST BE DISPOSED OF IN AN APPROVED WASTE DISPOSAL SITE.
- THE TOTAL AREA ENCOMPASSED AND EXPECTED TO BE DISTURBED BY THIS PROJECT IS APPROXIMATELY 7.2 ACRES.
- THE CONTRACTOR SHALL PLACE TEMPORARY MULCH OR GRASSING WITHIN TWO DAYS AFTER THE COMPLETION OF ANY LAND DISTURBING ACTIVITY OR IF THE ACTIVITY IS DISCONTINUED FOR A PERIOD OF ONE WEEK OR LONGER. PERMANENT GRASSING SHALL BE PLACED AS SOON AS PRACTICABLE.
- THE CONTRACTOR SHALL PERFORM REGULAR MAINTENANCE ON EROSION CONTROL DEVICES AND KEEP THE REQUIRED RECORDS OF THE MAINTENANCE AND REPAIR OF THE DEVICES IN ACCORDANCE WITH THE EPD GENERAL PERMIT NO. GAR 100002 (NPDES). SEDIMENT SHALL BE REMOVED ONCE IT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER.
- THE RIGHT-OF-WAY LINE AND/OR CONSTRUCTION EASEMENT REPRESENTS THE LIMITS OF DISTURBANCE AND CLEARING FOR THE PROJECT. THE CONTRACTOR SHALL NOT CLEAR BEYOND THIS LIMIT. THE CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO ANY SPECIAL CONDITIONS REGARDING CLEARING THAT ARE ATTACHED TO THE EASEMENT AGREEMENTS.
- STORMWATER FROM THIS LINEAR PROJECT SITE DISCHARGES INTO VARIOUS OUTFALLS WHICH EVENTUALLY FLOW INTO: TONIGH CREEK. NO NEIGHBORING AREA OFF SITE WILL BE AFFECTED BY POST-DEVELOPED RUN-OFF FROM THIS CONSTRUCTION SITE.
- OFF-SITE VEHICLE TRACKING OF DIRT, SOILS, AND SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED OR ELIMINATED TO THE MAXIMUM EXTENT PRACTICABLE. UTILIZE BMP'S AS SHOWN ON EROSION CONTROL PLAN SHEETS.
- EROSION CONTROL PRACTICES MUST COMPLY WITH THE BEST MANAGEMENT PRACTICES FOR EROSION CONTROL, AND SHALL COMPLY WITH THE STANDARDS/SPECIFICATIONS IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
- MULCH, TEMPORARY VEGETATION, OR PERMANENT (PERENNIAL) VEGETATION SHALL BE COMPLETED ON ALL EXPOSED AREAS WITHIN 7 DAYS AFTER DISTURBANCE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH SECTION IV.D.4 OF THE EPD GAR 100002 PERMIT. THIS SECTION STATES THAT RAINFALL MEASUREMENTS MUST BE RECORDED DAILY AT THE SITE (WITH EXCEPTIONS DEFINED IN THE PERMIT), AND STATES THAT EVERY DAY THAT CONSTRUCTION ACTIVITY HAS TAKEN PLACE, THE CONTRACTOR SHALL INSPECT ALL AREAS WHERE PETROLEUM PRODUCTS ARE STORED, USED OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT. THE CONTRACTOR SHALL ALSO INSPECT DAILY ALL LOCATIONS WHERE THE CONTRACTOR'S OR ASSOCIATED SUB-CONTRACTORS ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. THIS INSPECTION MUST CONTINUE UNTIL A N.O.T. IS SUBMITTED. THESE RAINFALL RECORDS AND INSPECTION REPORTS SHALL BE INCLUDED IN THE REPORTS PREPARED BY THE CONTRACTOR AND THE RECORDS RETAINED BY THE OWNER.

- INSPECTIONS AS REQUIRED BY THE EPD GAR 100002 (NPDES) PERMIT SHALL BE IMPLEMENTED AS SHOWN IN NOTE 11 ON SHEET CMP-01.
- SOURCES OF NON-STORM WATER ASSOCIATED WITH THIS CONSTRUCTION PROJECT MAY INCLUDE FIRE HYDRANT FLUSHING, WATER LINE FLUSHING, SPRINGS AND UNCONTAMINATED GROUND WATER. WATER FROM DISINFECTED WATER LINES SHALL BE DECHLORINATED WITH A NEUTRALIZING AGENT IN ACCORDANCE WITH APPENDIX B OF AWWA C651. SEDIMENT FROM EROSION RESULTING FROM THE FLUSHING OF FIRE HYDRANTS SHALL BE MINIMIZED BY PLACING RIP-RAP ADJACENT TO THE HYDRANTS AND TRAPPING ANY SEDIMENT IN A MANNER CONSISTENT WITH THE GEORGIA MANUAL FOR EROSION AND SEDIMENT CONTROL.
- WHEN HAND PLANTING, MULCH (HAY OR STRAW) SHOULD BE UNIFORMLY SPREAD OVER SEEDED AREA WITHIN 24 HOURS OF SEEDING.
- MULCH WILL BE USED AS TEMPORARY COVER (D_s1). ON SLOPES GREATER THAN 3:1, MULCH, IF USED, WILL BE ANCHORED.
- NO CLEARING OF THE SITE UNTIL ALL SILT FENCE AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ARE INSTALLED, STABILIZED, AND FUNCTIONAL. PLEASE CALL (770) 422-1902 WITH ENOUGH LEAD-TIME FOR INSPECTION TO MEET YOUR SCHEDULE.
- SEDIMENT/EROSION CONTROL DEVICES MUST BE CHECKED AFTER EACH STORM EVENT AS REQUIRED BY THE EPD GAR 100002 NPDES PERMIT. 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.
- NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 FOOT OR 50 FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.
- FOR INFRASTRUCTURE 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 CONTROL PLAN, OR AN ALTERNATIVE DESIGN PROFESSIONAL APPROVED BY EPD IN WRITING, TO INSPECT (a) THE INSTALLATION OF THE SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S FOR THE "INITIAL SEGMENT" OF THE LINEAR INFRASTRUCTURE PROJECT AND (b) ALL SEDIMENT BASINS WITHIN THE ENTIRE LINEAR INFRASTRUCTURE PROJECT WITHIN SEVEN (7) DAYS AFTER INSTALLATION. FOR THE PURPOSE OF THE SPECIFIC REQUIREMENTS IN PART IV.A.5., THE DISTURBED ACREAGE OF THE "INITIAL SEGMENT" OF A LINEAR INFRASTRUCTURE PROJECT MUST BE EQUAL TO OR GREATER THAN 10% OF THE TOTAL ESTIMATED DISTURBED ACREAGE FOR THE LINEAR INFRASTRUCTURE PROJECT BUT NOT LESS THAN ONE (1) ACRE. THE DESIGN PROFESSIONAL SHALL DETERMINE IF THESE BMP'S 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.
- AMENDMENTS / REVISIONS TO THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BEST MANAGEMENT PRACTICES WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
- THE ENGINEER'S 24-HOUR CONTACT FOR EROSION CONTROL IS BILL LIVINGSTON, PHONE (404) 819-2399, FAX (770) 426-5316, ATKINS, 192 ANDERSON STREET, SUITE 150, MARIETTA, GEORGIA 30060.
- PRIOR TO SEEDING AND LANDSCAPING, ROCK, GRAVEL, AND DEBRIS SHALL BE REMOVED. SOIL SHALL BE SUITABLY COMPACTED AND FINELY GRADED. ALL ROOTS SHALL BE REMOVED.
- THE CONTRACTOR SHALL INSTALL ANY ADDITIONAL EROSION CONTROL DEVICES AS REQUIRED BY THE CITY OF HOLLY SPRINGS AND/OR CHEROKEE COUNTY.
- THE CONTRACTOR SHALL PLACE MULCH OR BEGIN GRASSING WITHIN TWO DAYS AFTER COMPLETION OF ANY LAND DISTURBING ACTIVITY OR IF ACTIVITY IS DISCONTINUED FOR A PERIOD OF A MAXIMUM SEVEN (7) DAY SOIL EXPOSURE. NO ADDITIONAL PAYMENT SHALL BE MADE FOR GRASSING THE SAME AREA TWICE.
- ALL STATE WATERS AND WETLANDS LOCATED ON OR WITHIN 200 FEET OF THE PROJECT SITE HAVE BEEN DELINEATED. THERE ARE NO WETLANDS WITHIN THE CONSTRUCTION CORRIDOR FOR THIS PROJECT.
- SEDIMENT STORAGE DESIGN:
DETERMINE STORAGE VOLUME REQUIRED:
7.2 ACRES DISTURBED AREA X 67 C.Y. STORAGE PER ACRE DISTURBED = 482 C.Y.

DETERMINE STORAGE VOLUME:
SILT FENCE
9,820 L.F. X 3' X 1' X 0.5 = 545 C.Y.
27

S1
10 EA. X 2 C.Y. = 20 C.Y.

C4-Hb
3 EA. X 1 C.Y. = 3 C.Y.

TOTAL STORAGE VOLUME = 568 C.Y.

568 C.Y. > 482 C.Y. OK
- WASTE MATERIALS FROM THIS SITE SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
- SANITARY WASTE
A MINIMUM OF ONE PORTABLE SANITATION 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.

HAZARDOUS WASTES
ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE, AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SITE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, WILL INSTRUCT SITE PERSONNEL IN THESE PRACTICES. MATERIAL SAFETY DATA SHEETS (MSDS'S) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTE 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 ESOPC 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 ESOPC 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 INTO CONTACT WITH STORMWATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORMWATER DISCHARGE WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORMWATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.

- A BRIEF DESCRIPTION OF THE EROSION CONTROL MEASURES PROPOSED TO BE IMPLEMENTED AT THE CONSTRUCTION SITE INCLUDE: TYPE C SILT FENCE, INLET SEDIMENT TRAPS, AND GRASSING.
- THE RUNOFF COEFFICIENT PRIOR TO AND AFTER CONSTRUCTION ACTIVITIES AT THE SITE IS APPROXIMATELY 0.35 PER THE "MANUAL FOR EROSION AND SEDIMENT CONTROL" APPENDIX A-3, TABLE A-3.1.
- BANK STABILIZATION (RIP-RAP) SHALL ONLY BE PLACED WHERE NECESSARY FOR THE PREVENTION OF EROSION. NO RIP-RAP SHALL BE PLACED IN EXCESS OF THE MINIMUM REQUIRED FOR PROTECTION FROM EROSION.
- NO RIP-RAP SHALL BE PLACED IN ANY WETLAND AREA OR IN ANY LOCATION OR MANNER TO IMPAIR SURFACE WATER FLOW INTO OR OUT OF ANY WETLAND AREA.
- ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY BY THE CONTRACTOR AND ANY DEFICIENCIES NOTED WILL BE CORRECTED BY THE END OF THE DAY.
- CLEARING WILL BE KEPT TO AN ABSOLUTE MINIMUM. VEGETATION AND MULCH WILL BE APPLIED TO APPLICABLE AREAS IMMEDIATELY AFTER GRADING IS COMPLETE. LAND DISTURBING WILL BE SCHEDULED TO LIMIT EXPOSURE OF BARE SOILS TO EROSION ELEMENTS.
- NO STORM WATER WILL BE CONTAINED ON THIS PROJECT.
- 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 INCLUDE, 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 IN ACCORDANCE WITH 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 1-800-426-2675.
 - FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL 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.
- DESCRIPTION OF APPROPRIATE CONTROLS AND MEASURES THAT WILL BE IMPLEMENTED AT THE CONSTRUCTION SITE:

INITIAL START OF PROJECT. SILT FENCE WILL BE INSTALLED ALONG CONSTRUCTION TO PREVENT ANY SEDIMENT FROM ESCAPING THE SITE DURING THE CLEARING OF ANY TREES OR GROUND COVER AND CONSTRUCTION EXITS WILL BE ESTABLISHED TO PREVENT SEDIMENT FROM BEING TRACKED OFF THE PROJECT SITE.

INTERMEDIATE OR SECOND PHASE OF CONSTRUCTION, ALL EROSION CONTROL DEVICES WILL HAVE BEEN INSTALLED. THIS SHALL INCLUDE SILT FENCE, CONSTRUCTION EXITS, STRAW COVER OVER EXPOSED GROUND THAT WILL NOT BE COVERED WITHIN 7 DAYS AND ANY ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY TO CONTROL EROSION AS DIRECTED BY THE ON SITE INSPECTOR.

FINAL STAGE OR END OF CONSTRUCTION, ALL EROSION CONTROL DEVICES AND CONSTRUCTION EXITS SHALL BE REMOVED AND THE ENTIRE SITE WILL BE COVERED BY PERMANENT VEGETATION TO CONTROL ANY FUTURE EROSION FROM THE SITE.

58. THE EROSION CONTROL MEASURES PROPOSED DURING THE CONSTRUCTION PROCESS TO ASSIST IN CONTROL OF THE POLLUTION IN STORM WATER THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED ARE: DURING THE CONSTRUCTION PROCESS OF THIS PIPELINE PROJECT, THE EROSION CONTROL DEVICES INSTALLED ARE TO CONTROL SEDIMENT FROM ESCAPING FROM THE SITE. WHEN THE PROJECT IS COMPLETED AND BEFORE EROSION CONTROL DEVICES ARE REMOVED, A STAND OF GRASS IS ESTABLISHED TO CONTROL EROSION AND TO PREVENT SEDIMENT FROM LEAVING THE SITE.

59. PRACTICES THAT WILL BE USED TO REDUCE THE POLLUTANTS IN STORM WATER DISCHARGES ARE AS FOLLOWS:

PETROLEUM BASED PROJECTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATERS, NATURAL DRAINS AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.

PAINTS / FINISHES / SOLVENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCTS WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

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

BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ON SITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

60. USE ANIONIC POLYACRYLAMIDE (PAM) AND/OR MULCH TO STABILIZE AREAS LEFT DISTURBED FOR MORE THAN SEVEN (7) CALENDAR DAYS IN ACCORDANCE WITH PART III.D.1. OF THE NPDES PERMIT.

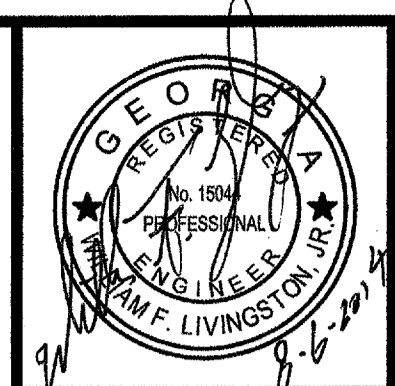
61. LIMIT THE AMOUNT OF DISTURBED AREA AT ANY ONE TIME TO NO GREATER THAN 25 ACRES OR 50% OF THE TOTAL PLANNED SITE, WHICHEVER IS LESS. SINCE THE TOTAL AREA EXPECTED TO BE DISTURBED BY THIS PROJECT IS 7.2 ACRES, THE CONTRACTOR IS REQUIRED TO LIMIT THE TOTAL DISTURBED AREA AT ANY ONE TIME DURING CONSTRUCTION TO 3.6 ACRES.

62. LIMIT THE TOTAL PLANNED SITE DISTURBANCE (TPSD) TO LESS THAN 15% IMPERVIOUS SURFACES (EXCLUDING ANY STATE-MANDATED BUFFER AREAS FROM SUCH CALCULATIONS). TPSD = 7.2 ACRES. TOTAL PLANNED CROSSING OF STATE BUFFERS = 0.31 ACRES. 7.2 ACRES LESS 0.31 ACRES = 6.89 ACRES TOTAL. IMPERVIOUS AREAS DISTURBED AND RESTORED = 0.132 ACRES. 0.132 ACRES/6.89 ACRES = 1.9%.

63. APPLY THE APPROPRIATE GEORGIA DEPARTMENT OF TRANSPORTATION APPROVED EROSION CONTROL MATTINGS OR BLANKETS OR BONDED FIBER MATRIX TO ALL SLOPES STEEPER THAN 3:1. ALL GRAPHICAL ILLUSTRATIONS MUST BE INCLUDED ON THE PLAN.

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.


Professional Engineer
GSWCC Level II Certified Design Professional
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10034005	R.A.G.	M.R.T.	W.F.L.	W.F.L.	AUGUST 2013	NO SCALE
REVISION	DATE	REVISION	DATE	REVISION	DATE	REVISION
1	12-23-13	1	08-05-14	1		1
2		2		2		2
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CHEROKEE COUNTY WATER & SEWERAGE AUTHORITY
HOLLY SPRINGS
DOWNTOWN SANITARY SEWER SYSTEM
EROSION CONTROL NOTES

SHEET NO.
EC-04

File Name: S:\CHEROKEECOWSA\PROJECTS\15_PLANS\SEWER\15_SPRINGS_SEWER\10034005 HOLLY SPRINGS_SEWER\15_PLANS\EROSION CONTROL NOTES.DWG|Tab: EC-04|Plotted: August 06, 2014 8:22am