NPDES GENERAL PERMIT NO. GAR100001 V2018

NOTE: IF THE PRIMARY PERMITTEE CHANGES DURING THE COURSE OF THE PROJECT, THE NEW PRIMARY PERMITTEE MUST SUBMIT COPIES OF THE NEW NOI TO THE AUTHORITY HAVING JURISDICTION.

I. COVERAGE UNDER THIS PERMIT
REFER TO NPDES GENERAL PERMIT NO. GAR100001.

II. NOTICE OF INTENT REQUIREMENTS
REFER TO NPDES GENERAL PERMIT NO. GAR100001.

III. SPECIAL CONDITIONS, MANAGEMENT PRACTICES, PERMIT VIOLATIONS AND OTHER LIMITATIONS

A. PROHIBITION ON NON-STORMWATER DISCHARGES

1. EXCEPT AS PROVIDED IN PART I.C.2. AND III.A.2., ALL DISCHARGES COVERED BY THIS PERMIT SHALL BE COMPOSED ENTIRELY OF STORMWATER.
2. THE FOLLOWING NON-STORMWATER DISCHARGES MAY BE AUTHORIZED BY THIS PERMIT PROVIDED THE NON-STORMWATER COMPONENT OF THE DISCHARGE IS EXPLICITLY LISTED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND IS IN COMPLIANCE WITH PART IV. D.7. DISCHARGES FROM FIRE FIGHTING ACTIVITIES, FIRE HYDRANT FLUSHING, POTABLE WATER SOURCES INCLUDING WATER LINE FLUSHING, IRRIGATION DRAINAGE, AIR CONDITIONING CONDENSATE, SPRINGS, UNCONTAMINATED GROUND WATER AND FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS OR POLLUTANTS.
3. THIS PERMIT DOES NOT AUTHORIZE THE DISCHARGE OF SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
4. THIS PERMIT DOES NOT AUTHORIZE THE DISCHARGE OF WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS.

B. RELEASES IN EXCESS OF REPORTABLE QUANTITIES

1. THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL IN THE STORMWATER DISCHARGE(S) FROM A SITE SHALL BE PREVENTED. THIS PERMIT DOES NOT RELIEVE THE PERMITTEE OF THE REPORTING REQUIREMENTS OF GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES 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 EPD AT 404-656-4863 OR 800-241-4113 AND THE NATIONAL RESPONSE CENTER (NRC) AT 800-424-8802 IN ACCORDANCE WITH THE REQUIREMENTS OF GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.C.G.A. §§ 12-14-2, ET SEQ.) 40 CFR 117 AND 40 CFR 302 AS SOON AS HE/SHE HAS KNOWLEDGE OF THE DISCHARGE.
2. THIS PERMIT DOES NOT AUTHORIZE THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL RESULTING FROM AN ON-SITE SPILL.

C. DISCHARGES INTO, OR WITHIN ONE MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT.
REFER TO EROSION, SEDIMENTATION AND POLLUTION CONTROL GENERAL NOTES SHEET FOR MORE INFORMATION.

D. MANAGEMENT PRACTICES AND PERMIT VIOLATIONS
REFER TO NPDES GENERAL PERMIT NO. GAR100001.

IV. EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN

CERTIFICATIONS
EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN CERTIFICATION

(13) 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 STORMWATER 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 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. (12)

POLLUTION PREVENTION CERTIFICATION

THE STORMWATER POLLUTION PREVENTION PLAN REFLECTS THE GOVERNING AUTHORITIES REQUIREMENTS FOR STORMWATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL. TO ENSURE COMPLIANCE, THIS PLAN WAS PREPARED BY A GEORGIA REGISTERED PROFESSIONAL (DESIGN PROFESSIONAL), IN ACCORDANCE WITH THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION", PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION (GSWCC). AS NECESSARY AND APPLICABLE, STATE WATER BUFFER ENCROACHMENT VARIANCES, U.S.A.C.E. WETLAND DISTURBANCE PERMITS, ETC., HAVE BEEN PREPARED, REVIEWED, AND APPROVED BY THE GOVERNING AUTHORITIES. THERE ARE NO OTHER APPLICABLE STATE OR FEDERAL REQUIREMENTS FOR EROSION AND SEDIMENT SITE PLANS (OR PERMITS), OR STORMWATER MANAGEMENT SITE PLANS (OR PERMITS).

SIGNED: [signature] DATE: 09-20-2018

CERTIFIED DESIGN PROFESSIONAL: KATHRYN A. MEDINA
GSWCC CERTIFICATION NO. 0000080226
EXPIRATION DATE: 04-14-2020

I. EXCEPT AS PROVIDED IN PART IV.(III) BELOW, NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN 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 HAS DETERMINED TO ALLOW A VARIANCE THAT IS AT LEAST AS PROTECTIVE OF NATURAL RESOURCES AND THE ENVIRONMENT IN ACCORDANCE WITH THE PROVISIONS OF O.C.G.A. §§ 12-1-6, OR WHERE A DRAINAGE STRUCTURE OR A ROADWAY DRAINAGE STRUCTURE MUST BE CONSTRUCTED, PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED IN THE PROJECT PLANS AND SPECIFICATIONS AND ARE IMPLEMENTED OR ALONG ANY EPHEMERAL STREAM, OR WHERE BULKHEADS AND SEAWALLS MUST BE CONSTRUCTED TO PREVENT THE EROSION OF THE SHORELINE ON LAKE OCONEE AND LAKE SINCLAIR. THE BUFFER SHALL NOT APPLY TO THE FOLLOWING ACTIVITIES PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED INTO THE PROJECT PLANS AND SPECIFICATIONS ARE IMPLEMENTED:

1. PUBLIC DRINKING WATER SYSTEM RESERVOIRS
2. STREAM CROSSINGS FOR WATER LINES AND SEWER LINES, PROVIDED THAT THE STREAM CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER AND NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER.
3. STREAM CROSSINGS FOR ANY UTILITY LINES OF ANY ELECTRIC MEMBERSHIP CORPORATION OR MUNICIPAL ELECTRICAL SYSTEM OR ANY PUBLIC UTILITY UNDER THE REGULATORY JURISDICTION OF THE PUBLIC SERVICE COMMISSION, ANY UTILITY UNDER THE REGULATORY JURISDICTIONS OF THE FEDERAL ENERGY REGULATORY COMMISSION, ANY CABLE TELEVISION SYSTEM AS DEFINED IN CODE SECTION 36-18-1, OR ANY AGENCY OR INSTRUMENTALITY OF THE UNITED STATES ENGAGED IN THE GENERATION, TRANSMISSION OR DISTRIBUTION OF POWER, PROVIDED THAT - (A) THE STREAM CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER, (B) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER AND (C) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT.
4. BUFFER CROSSING FOR FENCES, PROVIDED THAT THE CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER AND AND NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER
5. STREAM CROSSINGS FOR AERIAL UTILITY LINES, PROVIDED THAT- (A) THE NEW UTILITY LINE RIGHT-OF-WAY WIDTH DOES NOT EXCEED 100 LINEAR FEET, (B) UTILITY LINES ARE ROUTED AND CONSTRUCTED SO AS TO MINIMIZE THE NUMBER OF STREAM CROSSINGS AND DISTURBANCES TO THE BUFFER, (C) ONLY TREES AND TREE DEBRIS ARE REMOVED FROM WITHIN THE BUFFER RESULTING IN ONLY MINOR SOIL EROSION (I.E., DISTURBANCE TO UNDERLYING VEGETATION IS MINIMIZED), AND (D) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER. THE PLAN SHALL INCLUDE A DESCRIPTION OF THE STREAM CROSSINGS WITH DETAILS OF THE BUFFER DISTURBANCE INCLUDING AREA AND LENGTH OF BUFFER DISTURBANCE, ESTIMATED LENGTH OF TIME OF BUFFER DISTURBANCE, AND JUSTIFICATION.
6. RIGHT-OF-WAY POSTS, GUY-WIRES, ANCHORS, SURVEY MARKERS AND THE REPLACEMENT OR MAINTENANCE OF EXISTING UTILITY STRUCTURES WITHIN THE CURRENT RIGHT-OF-WAY UNDERTAKEN OR FINANCED IN WHOLE OR IN PART BY THE DEPARTMENT OF TRANSPORTATION, THE GEORGIA HIGHWAY AUTHORITY OR THE STATE ROAD AND TOLLWAY AUTHORITY OR UNDERTAKEN BY ANY COUNTY OR MUNICIPALITY, PROVIDED THAT - (A) THE AREA OF LAND DISTURBANCE DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE, (B) THE AREA OF BUFFER VEGETATION TO BE CUT (NOT GRUBBED) DOES NOT EXCEED 1,000 SQUARE FEET PER STRUCTURE, (C) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER AND (D) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT.
7. RIGHT-OF-WAY POSTS, GUY-WIRES, ANCHORS, SURVEY MARKERS AND THE REPLACEMENT AND MAINTENANCE OF EXISTING UTILITY STRUCTURES WITHIN THE CURRENT RIGHT-OF-WAY BY ANY ELECTRIC MEMBERSHIP CORPORATION OR MUNICIPAL ELECTRICAL SYSTEM OR ANY PUBLIC UTILITY UNDER THE PUBLIC SERVICE COMMISSION, ANY UTILITY UNDER THE REGULATORY JURISDICTION OF THE FEDERAL ENERGY REGULATORY COMMISSION, ANY CABLE TELEVISION SYSTEM AS DEFINED IN CODE SECTIONS 36-18-1, OR ANY AGENCY OR INSTRUMENTALITY OF THE UNITED STATES ENGAGED IN THE GENERATION, TRANSMISSION, OR DISTRIBUTION OF POWER, PROVIDED THAT - (A) THE AREA OF LAND DISTURBANCE DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE, (B) THE AREA OF BUFFER VEGETATION TO BE CUT (NOT GRUBBED) DOES NOT EXCEED 1,000 SQUARE FEET PER STRUCTURE, (C) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER AND (D) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT; AND
8. MAINTENANCE (EXCLUDING DREDGING), REPAIR AND/OR UPGRADE OF SOIL AND WATER CONSERVATION DISTRICT WATERSHED DAMS WHEN UNDER THE TECHNICAL SUPERVISION OF THE USDA NATURAL RESOURCES CONSERVATION SERVICE.

II. NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 50 FOOT BUFFER, AS MEASURED HORIZONTALLY FROM THE POINT WHERE VEGETATION HAS BEEN WRESTED BY NORMAL STREAM FLOW OR WAVE ACTION, ALONG THE BANKS OF ANY STATE WATERS CLASSIFIED AS 'TROUT STREAMS' EXCEPT WHEN APPROVAL IS GRANTED BY THE DIRECTOR FOR ALTERNATE BUFFER REQUIREMENTS IN ACCORDANCE WITH THE PROVISIONS OF O.C.G.A. 12-7-6, OR WHERE A ROADWAY DRAINAGE STRUCTURE MUST BE CONSTRUCTED, PROVIDED, HOWEVER, THAT SMALL SPRINGS AND STREAMS CLASSIFIED AS 'TROUT STREAMS' WHICH DISCHARGE AN AVERAGE ANNUAL FLOW OF 25 GALLONS PER MINUTE OR LESS SHALL HAVE A 25 FOOT BUFFER OR THEY MAY BE PIPED, AT THE DISCRETION OF THE PERMITTEE, PURSUANT TO THE TERMS OF A RULE PROVIDING FOR A GENERAL VARIANCE PROMULGATED BY THE BOARD OF NATURAL RESOURCES INCLUDING NOTIFICATION OF SUCH TO EPD AND THE LOCAL ISSUING AUTHORITY OF THE LOCATION AND EXTENT OF THE PIPING AND PRESCRIBED METHODOLOGY FOR MINIMIZING THE IMPACT OF SUCH PIPING AND FOR MEASURING THE VOLUME OF WATER DISCHARGED BY THE STREAM. ANY SUCH PIPE MUST STOP SHORT OF THE DOWNSTREAM PERMITTEE'S PROPERTY, AND THE PERMITTEE MUST COMPLY WITH THE BUFFER REQUIREMENT FOR ANY ADJACENT TROUT STREAMS. THE BUFFER SHALL NOT APPLY TO THE FOLLOWING ACTIVITIES PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED INTO THE PROJECT PLANS AND SPECIFICATIONS ARE IMPLEMENTED:

1. PUBLIC DRINKING WATER SYSTEM RESERVOIRS
2. STREAM CROSSINGS FOR WATER LINES AND SEWER LINES, PROVIDED THAT THE STREAM CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER AND NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER.
3. STREAM CROSSINGS FOR ANY UTILITY LINES OF ANY ELECTRIC MEMBERSHIP CORPORATION OR MUNICIPAL ELECTRICAL SYSTEM OR ANY PUBLIC UTILITY UNDER THE REGULATORY JURISDICTION OF THE PUBLIC SERVICE COMMISSION, ANY UTILITY UNDER THE REGULATORY JURISDICTIONS OF THE FEDERAL ENERGY REGULATORY COMMISSION, ANY CABLE TELEVISION SYSTEM AS DEFINED IN CODE SECTION 36-18-1, OR ANY AGENCY OR INSTRUMENTALITY OF THE UNITED STATES ENGAGED IN THE GENERATION, TRANSMISSION OR DISTRIBUTION OF POWER, PROVIDED THAT - (A) THE STREAM CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER, (B) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER AND (C) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT.
4. BUFFER CROSSING FOR FENCES, PROVIDED THAT THE CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER AND AND NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER
5. STREAM CROSSINGS FOR AERIAL UTILITY LINES, PROVIDED THAT- (A) THE NEW UTILITY LINE RIGHT-OF-WAY WIDTH DOES NOT EXCEED 100 LINEAR FEET, (B) UTILITY LINES ARE ROUTED AND CONSTRUCTED SO AS TO MINIMIZE THE NUMBER OF STREAM CROSSINGS AND DISTURBANCES TO THE BUFFER, (C) ONLY TREES AND TREE DEBRIS ARE REMOVED FROM WITHIN THE BUFFER RESULTING IN ONLY MINOR SOIL EROSION (I.E., DISTURBANCE TO UNDERLYING VEGETATION IS MINIMIZED), AND (D) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER. THE PLAN SHALL INCLUDE A DESCRIPTION OF THE STREAM CROSSINGS WITH DETAILS OF THE BUFFER DISTURBANCE INCLUDING AREA AND LENGTH OF BUFFER DISTURBANCE, ESTIMATED LENGTH OF TIME OF BUFFER DISTURBANCE, AND JUSTIFICATION.
6. RIGHT-OF-WAY POSTS, GUY-WIRES, ANCHORS, SURVEY MARKERS AND THE REPLACEMENT OR MAINTENANCE OF EXISTING UTILITY STRUCTURES WITHIN THE CURRENT RIGHT-OF-WAY UNDERTAKEN OR FINANCED IN WHOLE OR IN PART BY THE DEPARTMENT OF TRANSPORTATION, THE GEORGIA HIGHWAY AUTHORITY OR THE STATE ROAD AND TOLLWAY AUTHORITY OR UNDERTAKEN BY ANY COUNTY OR MUNICIPALITY, PROVIDED THAT - (A) THE AREA OF LAND DISTURBANCE DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE, (B) THE AREA OF BUFFER VEGETATION TO BE CUT (NOT GRUBBED) DOES NOT EXCEED 1,000 SQUARE FEET PER STRUCTURE, (C) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER AND (D) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT.
7. RIGHT-OF-WAY POSTS, GUY-WIRES, ANCHORS, SURVEY MARKERS AND THE REPLACEMENT AND MAINTENANCE OF EXISTING UTILITY STRUCTURES WITHIN THE CURRENT RIGHT-OF-WAY BY ANY ELECTRIC MEMBERSHIP CORPORATION OR MUNICIPAL ELECTRICAL SYSTEM OR ANY PUBLIC UTILITY UNDER THE PUBLIC SERVICE COMMISSION, ANY UTILITY UNDER THE REGULATORY JURISDICTION OF THE FEDERAL ENERGY REGULATORY COMMISSION, ANY CABLE TELEVISION SYSTEM AS DEFINED IN CODE SECTIONS 36-18-1, OR ANY AGENCY OR INSTRUMENTALITY OF THE UNITED STATES ENGAGED IN THE GENERATION, TRANSMISSION, OR DISTRIBUTION OF POWER, PROVIDED THAT - (A) THE AREA OF LAND DISTURBANCE DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE, (B) THE AREA OF BUFFER VEGETATION TO BE CUT (NOT GRUBBED) DOES NOT EXCEED 1,000 SQUARE FEET PER STRUCTURE, (C) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER AND (D) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT, AND
8. MAINTENANCE (EXCLUDING DREDGING), REPAIR AND/OR UPGRADE OF SOIL AND WATER CONSERVATION DISTRICT WATERSHED DAMS WHEN UNDER THE TECHNICAL SUPERVISION OF THE USDA NATURAL RESOURCES CONSERVATION SERVICE.

III. EXCEPT AS PROVIDED IN PART IV.(IV) BELOW, NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 25 FOOT BUFFER ALONG COASTAL MARSHLANDS, AS MEASURED HORIZONTALLY FROM A COASTAL MARSHALND-UPLAND INTERFACE, AS DETERMINED IN ACCORDANCE WITH PART 4 OF ARTICLE 4 OF CHAPTER 5 OF THE TITLE 12, THE COASTAL MARSHLANDS PROTECTION ACT OF 1970, AND THE RULES AND REGULATIONS PROMULGATED THEREUNDER, EXCEPT WHERE THE DIRECTOR DETERMINES TO ALLOW A VARIANCE THAT IS AT LEAST AS PROTECTIVE OF NATURAL RESOURCES AND THE ENVIRONMENTAL IN ACCORDANCE WITH THE PROVISIONS OF O.C.G.A. 12-7-6, OR WHERE OTHERWISE ALLOWED BY THE DIRECTOR PURSUANT TO CODE SECTION 12-2-8, OR WHERE AN ALTERATION WITHIN THE BUFFER HAS BEEN AUTHORIZED PURSUANT TO CODE SECTION 12-5-286, OR FOR MAINTENANCE OF ANY CURRENTLY SERVICEABLE STRUCTURE, LANDSCAPING, OR HARDSCAPING, INCLUDING BRIDGES, ROADS, PARKING LOTS, GOLF COURSES, GOLF CART PATHS, RETAINING WALLS, BULKHEADS, AND PATIOS, PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED INTO THE PROJECT PLANS AND SPECIFICATIONS AND SUCH MEASURES ARE FULLY IMPLEMENTED, OR WHERE A DRAINAGE STRUCTURE OR ROADWAY DRAINAGE STRUCTURE IS CONSTRUCTED OR MAINTAINED, PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED INTO THE PROJECT PLANS AND SPECIFIC ATIONS AND SUCH MEASURES ARE FULLY IMPLEMENTED, OR ON THE LANDWARD SIDE OF ANY CURRENTLY SERVICEABLE SHORELINE STABILIZATION STRUCTURE, OR FOR THE MAINTENANCE ANY MANMADE STORMWATER DETENTION BASINS, GOLF COURSE POND, OR IMPOUNDMENT THAT IS LOCATED ENTIRELY WITHIN THE PROPERTY OF A SINGLE INDIVIDUAL, PARTNERSHIP, OR CORPORATION, PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED INTO THE PROJECT PLANS AND SPECIFICATIONS AND SUCH MEASURES ARE FULLY IMPLEMENTED. THE BUFFER SHALL NOT APPLY TO THE FOLLOWING ACTIVITIES PROVIDE THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED INTO THE PROJECT PLANS AND SPECIFICATIONS AND SUCH MEASURES ARE FULLY IMPLEMENTED:

1. PUBLIC DRINKING WATER SYSTEM RESERVOIRS
2. CROSSINGS FOR UTILITY LINES THAT CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER.
3. ANY LAND-DISTURBING ACTIVITY CONDUCTED PURSUANT TO AND IN COMPLIANCE WITH A VALID AND EFFECTIVE LAND-DISTURBING PERMIT ISSUED SUBSEQUENT TO APRIL 22, 2014, AND PRIOR TO DECEMBER 31, 2015.
4. ANY LOT OF WHICH THE PRELIMINARY PLAT HAS BEEN APPROVED PRIOR TO DECEMBER 31, 2015 IF ROADWAYS, BRIDGES, OR WATER AND SEWER LINES HAVE BEEN EXTENDED TO SUCH LOT PRIOR TO THE EFFECTIVE DATE OF THIS ACT AND IF THE REQUIREMENTS TO MAINTAIN A 25 FOOT BUFFER WOULD CONSUME AT LEAST 18% OF THE HIGH GROUND OF THE PLATTED LOT OTHERWISE AVAILABLE FOR DEVELOPMENT.
5. BUFFER CROSSING FOR FENCES, PROVIDED THAT THE CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER AND AND NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER.
6. CROSSINGS FOR AERIAL UTILITY LINES, PROVIDED THAT- (A) THE NEW UTILITY LINE RIGHT-OF-WAY WIDTH DOES NOT EXCEED 100 LINEAR FEET, (B) UTILITY LINES ARE ROUTED AND CONSTRUCTED SO AS TO MINIMIZE THE NUMBER OF STREAM CROSSINGS AND DISTURBANCES TO THE BUFFER, (C) ONLY TREES AND TREE DEBRIS ARE REMOVED FROM WITHIN THE BUFFER RESULTING IN ONLY MINOR SOIL EROSION (I.E., DISTURBANCE TO UNDERLYING VEGETATION IS MINIMIZED), AND (D) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER. THE PLAN SHALL INCLUDE A DESCRIPTION OF THE STREAM CROSSINGS WITH DETAILS OF THE BUFFER DISTURBANCE INCLUDING AREA AND LENGTH OF BUFFER DISTURBANCE, ESTIMATED LENGTH OF TIME OF BUFFER DISTURBANCE, AND JUSTIFICATION.
7. RIGHT-OF-WAY POSTS, GUY-WIRES, ANCHORS, SURVEY MARKERS AND THE REPLACEMENT OR MAINTENANCE OF EXISTING UTILITY STRUCTURES WITHIN THE CURRENT RIGHT-OF-WAY UNDERTAKEN OR FINANCED IN WHOLE OR IN PART BY THE DEPARTMENT OF TRANSPORTATION, THE GEORGIA HIGHWAY AUTHORITY OR THE STATE ROAD AND TOLLWAY AUTHORITY OR UNDERTAKEN BY ANY COUNTY OR MUNICIPALITY, PROVIDED THAT - (A) THE AREA OF LAND DISTURBANCE DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE, (B) THE AREA OF BUFFER VEGETATION TO BE CUT (NOT GRUBBED) DOES NOT EXCEED 1,000 SQUARE FEET PER STRUCTURE, (C) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER AND (D) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT.
8. RIGHT-OF-WAY POSTS, GUY-WIRES, ANCHORS, SURVEY MARKERS AND THE REPLACEMENT AND MAINTENANCE OF EXISTING UTILITY STRUCTURES WITHIN THE CURRENT RIGHT-OF-WAY BY ANY ELECTRIC MEMBERSHIP CORPORATION OR MUNICIPAL ELECTRICAL SYSTEM OR ANY PUBLIC UTILITY UNDER THE PUBLIC SERVICE COMMISSION, ANY UTILITY UNDER THE REGULATORY JURISDICTION OF THE FEDERAL ENERGY REGULATORY COMMISSION, ANY CABLE TELEVISION SYSTEM AS DEFINED IN CODE SECTIONS 36-18-1, OR ANY AGENCY OR INSTRUMENTALITY OF THE UNITED STATES ENGAGED IN THE GENERATION, TRANSMISSION, OR DISTRIBUTION OF POWER, PROVIDED THAT - (A) THE AREA OF LAND DISTURBANCE DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE, (B) THE AREA OF BUFFER VEGETATION TO BE CUT (NOT GRUBBED) DOES NOT EXCEED 1,000 SQUARE FEET PER STRUCTURE, (C) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER AND (D) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT, AND
9. MAINTENANCE (EXCLUDING DREDGING), REPAIR AND/OR UPGRADE OF SOIL AND WATER CONSERVATION DISTRICT WATERSHED DAMS WHEN UNDER THE TECHNICAL SUPERVISION OF THE USDA NATURAL RESOURCES CONSERVATION SERVICE.

IV. EXCEPT AS PROVIDED ABOVE, FOR BUFFERS REQUIRED PURSUANT TO PART IV.(I) AND (II) AND (III), NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A BUFFER AND A BUFFER SHALL REMAIN IN ITS NATURAL, UNDISTURBED, STATE OF VEGETATION UNTIL ALL LAND-DISTURBING ACTIVITIES ON THE CONSTRUCTION SITE ARE COMPLETED. DURING COVERAGE UNDER THIS PERMIT, A BUFFER CANNOT BE THINNED OR TRIMMED OF VEGETATION AND A PROTECTIVE VEGETATIVE COVER MUST REMAIN TO PROTECT WATER QUALITY AND AQUATIC HABITAT AND A NATURAL CANOPY MUST BE LEFT IN SUFFICIENT QUANTITY TO KEEP SHADE ON THE STREAM BED OR MARSH.

THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN SHALL IDENTIFY ALL POTENTIAL SOURCES OF POLLUTION WHICH MAY REASONABLY BE EXPECTED TO AFFECT THE QUALITY OF STORMWATER (26) DISCHARGES FROM THE CONSTRUCTION SITE. IN ADDITION, THE PLAN SHALL DESCRIBE AND THE APPLICABLE PERMITTEE SHALL ENSURE THE IMPLEMENTATION OF PRACTICES WHICH WILL BE USED TO REDUCE THE POLLUTANTS IN STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY AT THE SITE AND TO ASSURE COMPLIANCE WITH THE TERMS AND CONDITIONS OF THIS PERMIT. THE APPLICABLE PERMITTED MUST (27) IMPLEMENT AND MAINTAIN THE PROVISIONS OF THE PLAN REQUIRED UNDER THIS PART AS A CONDITION OF THE PERMIT.
EXCEPT AS PROVIDED IN PARTY IV.A.2, A SINGLE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN MUST BE PREPARED BY THE PRIMARY PERMITTEE FOR THE STAND ALONE CONSTRUCTION PROJECT.

A. DEADLINES FOR PLAN PREPARATION AND COMPLIANCE

1. EXCEPT AS PROVIDED IN PART IV.A.2. AND PART IV.A.6. THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN SHALL BE COMPLETED PRIOR TO SUBMITTING THE NOI AND PRIOR TO CONDUCTING ANY CONSTRUCTION ACTIVITY BY ANY PERMITTEE.
2. FOR CONSTRUCTION ACTIVITIES THAT BEGAN ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT AND WERE SUBJECT TO THE REGULATIONS UNDER THE PREVIOUS PERMIT, THE PERMITTEE(S) SHALL CONTINUE TO OPERATE UNDER THE EXISTING PLAN.
3. FOR CONSTRUCTION ACTIVITIES THAT BEGIN AFTER THE EFFECTIVE DATE OF THIS PERMIT, THE PRIMARY PERMITTEE SHALL BE REQUIRED TO PREPARE THE PLAN FOR THAT PHASE OF THE STAND ALONE DEVELOPMENT THAT CORRESPONDS WITH THE NOI BEING SUBMITTED AND THE PERMITTEE(S) SHALL IMPLEMENT THE PLAN ON OR BEFORE THE DAY CONSTRUCTION ACTIVITIES BEGIN.
4. ADDITIONAL PLAN SUBMITTALS
   a. FOR ALL PROJECTS IDENTIFIED UNDER PART I.C.1.b. WHICH BEGIN AFTER THE EFFECTIVE DATE OF THIS PERMIT, IN A JURISDICTION WHERE THERE IS NO LOCAL ISSUING AUTHORITY REGULATING THAT PROJECT, A SINGLE COPY OF THE PLAN MUST BE SUBMITTED TO THE EPD WATERSHED PROTECTION BRANCH AND A SECOND COPY OF THE PLAN MUST BE SUBMITTED TO THE APPROPRIATE EPD DISTRICT OFFICE PRIOR TO OR CONCURRENT WITH THE NOI SUBMITTAL. THE SECOND COPY OF THE PLAN MUST BE SUBMITTED ELECTRONICALLY AS A PORTABLE DOCUMENT FORMAT (PDF) FILE THROUGH THE ELECTRONIC SUBMITTAL METHOD PROVIDED BY THE EPD OR BY RETURN RECEIPT CERTIFIED MAIL OR SIMILAR SERVICE AS A PDF ON CD-ROM OR OTHER STORAGE DEVICE TO THE APPROPRIATE EPD DISTRICT OFFICE. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATIVE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOTICE OF TERMINATION (NOT) IS SUBMITTED IN ACCORDANCE WITH PART VI. THE EPD WATERSHED PROTECTION BRANCH WILL REVIEW PLANS FOR DEFICIENCIES USING THE APPLICABLE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN CHECKLIST ESTABLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED.
   b. FOR ALL PROJECTS WHERE THE CONSTRUCTION ACTIVITY IS INDICATED ON THE EXISTING NOI HAS CHANGED, THE AMENDED PLANS MUST BE SUBMITTED IN ACCORDANCE WITH PART IV.A.4.a. IN ADDITION, THE PERMITTEE MUST SUBMIT A MODIFICATION NOI IN ACCORDANCE WITH PART II.
5. (14) 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 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 WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPs WITHIN 7 DAYS AFTER INSTALLATION. 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.
6. FOR STORM OR EMERGENCY-RELATED REPAIR WORK, THE PERMITTEE SHALL IMPLEMENT APPROPRIATE BMPs AND CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER. IF THE STORM- OR EMERGENCY-RELATED REPAIR WORK WILL NOT BE COMPLETED WITHIN SIXTY (60) DAYS OF COMMENCEMENT OF CONSTRUCTION ACTIVITY, A SINGLE COPY OF THE PLAN SHALL BE SUBMITTED TO EPD AND THE PERMITTEE SHALL COMPLY WITH ALL REQUIREMENTS OF THIS PERMIT ON THE SIXTY-FIRST (61ST) DAY.

B. SIGNATURE AND PLAN REVIEW

1. THE EROSION, SEDIMENTATION AND POLLUTION CONTORL PLAN SHALL BE SIGNED IN ACCORDANCE WITH PARTY IV., AND BE RETAINED ON THE SITE (OR, IF NOT POSSIBLE, AT A READILY ACCESSIBLE LOCATION) WHICH GENERATES THE STORMWATER DISCHARGE IN ACCORDANCE WITH PART IV.F. OF THIS PERMIT.
2. THE PRIMARY PERMITTEE SHALL MAKE PLANS AVAILABLE UPON REQUEST TO THE EPD, TO DESIGNATED OFFICIALS OF THE LOCAL GOVERNMENT REVIEWING SOIL EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, GRADING PLANS, OR STORMWATER MANAGEMENT PLANS, OR IN THE CASE OF A STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY WHICH DISCHARGES THROUGH A MUNICIPAL SEPARATE STORM SEWER SYSTEM WITH AN NPDES PERMIT, TO THE LOCAL GOVERNMENT OPERATING THE MUNICIPAL SEPARATE STORM SEWER SYSTEM.
3. EPD MAY NOTIFY THE PRIMARY PERMITTEE AT ANY TIME THAT THE PLAN DOES NOT MEET ONE OR MORE OF THE MINIMUM REQUIREMENTS OF THIS PART. WITHIN SEVEN (7) DAYS OF SUCH NOTIFICATION (OR AS OTHERWISE PROVIDED BY EPD), THE PRIMARY PERMITTEE SHALL MAKE THE REQUIRED CHANGES TO THE PLAN AND SHALL SUBMIT TO EPD EITHER THE AMENDED PLAN OR A WRITTEN CERTIFICATION THAT THE REQUESTED CHANGES HAVE BEEN MADE.

C. KEEPING PLANS CURRENT

(17) THE PRIMARY PERMITTEE(S) SHALL AMEND THEIR PLAN WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE, WHICH HAS A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT (I.E. THOSE BMPs WHERE THE DESIGN IS BASED UPON RAINFALL INTENSITY, DURATION AND RETURN FREQUENCY OF STORMS) OR IF THE PLAN PROVES TO BE INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANTS FROM SOURCES IDENTIFIED UNDER PART IV.D.3. AMENDMENTS TO THE PLAN MUST BE CERTIFIED BY A DESIGN PROFESSIONAL AS PROVIDED IN THIS PERMIT. AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

D. CONTENTS OF PLANS

THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN SHALL INCLUDE, AS A MINIMUM, BEST MANAGEMENT PRACTICES, INCLUDING SOUND CONSERVATION AND ENGINEERING PRACTICES TO PREVENT AND MINIMIZE EROSION AND RESULTANT SEDIMENTATION, WHICH ARE CONSISTENT WITH, AND NO LESS STRINGENT THAN, THOSE PRACTICES CONTAINED IN THE "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, AS WELL AS THE FOLLOWING:

(1) 1. **CHECKLIST**
EACH PLAN SHALL INCLUDE A COMPLETED EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN CHECKLIST ESTABLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION (GSWCC) AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED AND AMENDMENTS TO THE APPLICABLE CHECKLIST AS APPROVED BY THE GSWCC UP UNTIL THE DATE OF THE NOI SUBMITTAL. THE APPLICABLE CHECKLISTS ARE AVAILABLE ON THE GSWCC WEBSITE.

2. **SITE DESCRIPTION**
EACH SITE-SPECIFIC PLAN SHALL PROVIDE A DESCRIPTION OF POLLUTANT SOURCES AND OTHER INFORMATION AS INDICATED:
   (9) a. DESCRIPTION OF THE NATURE OF THE CONSTRUCTION ACTIVITY
   THIS PROJECT INVOLVES PERFORMING MAINTENANCE AND PREVENTING EROSION ON THE CAMPUS OF THIS SCHOOL. TWO SPORTS FIELDS REQUIRE MINOR GRADING AND WILL BE RE SODDED. MINOR GRADING AND RIP RAP TO PREVENT EROSION. MINOR CONCRETE WORK IS BEING DONE FOR MAINTENANCE PURPOSES.
   (35) b. A DETAILED DESCRIPTION AND CHART OR TIMELINE OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH DISTURB SOILS FOR MAJOR PORTIONS OF THE SITE (I.E. INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER BMPs, CLEARING AND GRUBBING ACTIVITIES, EXCAVATION ACTIVITIES, GRADING ACTIVITIES, INFRASTRUCTURE ACTIVITIES, IMMEDIATE AND FINAL STABILIZATION ACTIVITIES).

   (28) **LAND DISTURBANCE CONSTRUCTION ACTIVITY SEQUENCE:**
   A. A PRE-CONSTRUCTION MEETING WILL BE HELD ON SITE WITH OWNER'S REPRESENTATIVE, CONTRACTOR SITE DESIGNER, AND LOCAL INSPECTOR TO REVIEW LOCAL REQUIREMENTS AND SITE WORK CONSTRUCTION DOCUMENT REQUIREMENTS. CONTRACTOR SHALL IMPLEMENT A DAILY INSPECTION LOG FOR EROSION AND SEDIMENT CONTROL INSPECTION. THE CONTRACTOR SHALL KEEP THE INSPECTION LOG ON SITE AT THE CONSTRUCTION TRAILER.
   B. CONTRACTOR SHALL INSTALL CONSTRUCTION ENTRANCE/EXIT(S) (INITIAL PERIMETER CONTROL BMP) AT THE PROPOSED ACCESS LOCATION(S) PER PHASE AS SHOWN ON THE PLANS.
   C. CONTRACTOR SHALL DELINEATE NATURAL UNDISTURBED BUFFERS AND DESIGNATED TREE SAVE AREAS PER PHASE WITH TREE PROTECTION FENCING. CONTRACTOR SHALL PLACE BUFFER DELINEATION SIGNAGE ALONG BUFFER EDGE.
   C. CONTRACTOR SHALL CLEAR A LINEAR PATH NECESSARY TO INSTALL PERIMETER SILT FENCING (INITIAL BMP) PER PHASE PRIOR TO COMMENCEMENT OF DEMOLITION ACTIVITIES. CONTRACTOR SHALL INSTALL DOUBLE ROW OF PERIMETER SILT FENCE (GA D.O.T. TYPE "C") AS CALLED FOR ON THE PLANS.
   D. CONTRACTOR SHALL COMPLETE DEMOLITION ACTIVITIES AS PER PLANS.
   E. CONTRACTOR SHALL BEGIN TIMBER HARVESTING OPERATIONS AS PER PLANS
   F. CONTRACTOR SHALL COMMENCE TIMBER SALVAGE AND CLEARING OPERATIONS WITHIN THE LIMITS OF EACH PHASE OF CONSTRUCTION. CONTRACTOR SHALL COMMENCE TUB GRINDING OPERATIONS PER PHASE. EXISTING VEGETATION TO BE MAINTAINED SHALL NOT BE DISTURBED. SAID VEGETATION WILL ACT AS A NATURAL FILTRATION ZONE FOR STORMWATER RUNOFF.
   G. CONTRACTOR SHALL COMMENCE GRUBBING OPERATIONS PER PHASE.
   H. CONTRACTOR SHALL INSPECT ALL BMPs DAILY AND MAKE ANY NECESSARY REPAIRS OR MODIFICATIONS. CONTRACTOR SHALL BEGIN THE INSTALLATION OF TEMPORARY SEDIMENT BASINS, DIVERSION BERMS, DIVERSION SWALES, RETROFITS (INTERMEDIATE BMPs) AS PER PHASE AND DIRECT AS MUCH RUNOFF AS POSSIBLE TO SAID TEMPORARY SEDIMENT BASINS. CONTRACTOR SHALL MAINTAIN TEMPORARY SEDIMENT BASIS AS NECESSARY.
   I. CONTRACTOR SHALL PLACE TOPSOIL STOCKPILE (INTERMEDIATE BMP) AS DESIGNATED. ALL TOPSOIL STORAGE AREAS SHALL BE ENCLOSED WITH SILT FENCE AND TEMPORARILY GRASSED FOLLOWING TOPSOIL STRIPPING OPERATIONS.
   J. CONTRACTOR SHALL BEGIN GRADING OPERATIONS PER PLANS. A DIVERSION BERM (INTERMEDIATE STRUCTURAL BMP) SHALL BE MAINTAINED ALONG THE TOP OF ALL FILL SLOPES AS THEY ARE CONSTRUCTED. TEMPORARY DOWN LINES WITH THE REQUIRED SEDIMENT FILTER CMP DOGHOUSE SECTION WITH A GRAVEL CONE SHALL BE INSTALLED TO FILTER AND TRANSPORT STORM DRAINAGE TO THE BASE OF THE FILL SLOPES. FILL SLOPES SHALL BE TEMPORARILY MULCHED (INTERMEDIATE STABILIZATION BMP) AS THEY ARE CONSTRUCTED (BOTTOM-UP). THE STORM PIPE SYSTEM AND SITE UTILITIES SHALL BE INSTALLED AS DESIGN GRADES ARE REACHED PER PHASE (CONCURRENT WITH GRADING OPERATIONS). STORM STRUCTURES SHALL HAVE A TEMPORARY INLET SEDIMENT TRAP (INTERMEDIATE STRUCTURAL BMP) INSTALLED AS EACH INLET IS INSTALLED (THE SAME DAY). TEMPORARY INLET SEDIMENT TRAPS SHALL BE ADJUSTED UP AS THE FILL AREAS AROUND THEM ARE ADJUSTED UP. CONTRACTOR SHALL UTILIZE ANIONIC POLYACRYLAMIDE AS A TEMPORARY SOIL BINDING AGENT TO REDUCE SOIL EROSION. PAM IS AVAILABLE IN EMULSIONS, POWDERS, AND GEL BARS OR LOGS. PAM SHALL BE UTILIZED IN CONJUNCTION WITH OTHER BEST MANAGEMENT PRACTICES (BMPS). THE CONTRACTOR SHALL APPLY PAM IN CONJUNCTION WITH ALL TEMPORARY AND PERMANENT SEEDING EFFORTS VIA HYDROSEED TYPE APPLICATION AT THE RATE OF SEVEN (7) LBS/ACRE. THE MAXIMUM APPLICATION OF PAM, IN PURE FORM, SHALL NOT EXCEED TWO HUNDRED (200) POUNDS PER ACRE PER YEAR. THE CONTRACTOR SHALL INSTALL A PAM GEL BAR OR LOG IN EACH STORM STRUCTURE (SECURED WITH A ROPE) AND REPLACE AT THE MANUFACTURER'S RECOMMENDED INTERVALS.
   K. CONTRACTOR SHALL INSTALL TEMPORARY (INTERMEDIATE STABILIZATION BMP) OR PERMANENT (FINAL STABILIZATION BMP) (SEASON DEPENDENT) GRASSING WHEN THE FINISHED GRADES ARE REACHED ON THE
   FILL SLOPES, PLANTING AREAS, AND PARKING LOT ISLAND AREAS AS PER PLANS. PROVIDE SURFACE ROUGHENING FOR ALL CUT AND FILL SLOPES. CONTRACTOR SHALL PROVIDE THE REQUIRED EROSION CONTROL BLANKETS AS SOON AS GRASSING HAS BEEN APPLIED. SD2S (INTERMEDIATE BMP) SHALL BE PROVIDED AT DRAINAGE STRUCTURES AS THEIR INSTALLATION ALLOWS. CONTRACTOR SHALL MAINTAIN SD2S ON A DAILY BASIS.
   L. CONTRACTOR SHALL INSTALL CURB AND GUTTER AS FINISHED GRADES ARE REACHED IN PARKING AND DRIVEWAY AREAS. SAID AREAS SHALL BE COVERED WITH A GRADED AGGREGATE BASE COURSE. TOPSOIL SHALL BE DISTRIBUTED AS CURB AND GUTTER CONSTRUCTION PERMITS. ALL AREAS SHALL BE GRASSED (TEMPORARY OR PERMANENT - SEASON DEPENDENT) UPON BACKFILL OF C&G ISLANDS (TO BE PERFORMED THE SAME DAY AS BACKFILL OPERATIONS). THE GOAL WILL BE TO REDUCE THE DISTURBED AREA VIA TEMPORARY MULCH OR GRASS ON A DAILY BASIS AS CONSTRUCTION ACTIVITIES AND PHASING ALLOW.
   M. CONTRACTOR SHALL TRENCH AREAS FOR UTILITY LINE INSTALLATION. THE UTILITY LINES SHALL BE LAID IN, AND THE TRENCH SHALL BE BACK-FILLED AND GRASSED (FINAL BMP) WITH A MULCH COVER (INTERMEDIATE BMP) IMMEDIATELY AS THE TRENCH BACKFILL OPERATION ALLOWS.

   (6) (44) NOTE: PROTECTION FROM SEDIMENT TRESPASS INTO EXISTING STATE WATER BUFFERS AND UNDISTURBED AREAS IS OF THE ESSENCE. CONTRACTOR SHALL PROVIDE A REPRESENTATIVE TO REMAIN ON SITE DURING LAND DISTURBANCE ACTIVITIES WITH A MINIMUM OF FIVE (5) YEARS EXPERIENCE IN EROSION, SEDIMENT AND POLLUTION CONTROL, ALONG WITH EROSION AND SEDIMENT CONTROL CONTINUING EDUCATION CREDENTIALS. SAID REPRESENTATIVE SHALL OVERSEE LAND DISTURBANCE OPERATIONS WITH AN EMPHASIS ON "BEING PREPARED" FOR RAIN EVENTS, THROUGH STRICT ADHERENCE TO THE LAND DISTURBANCE CONSTRUCTION ACTIVITIES SEQUENCE, STRICT ADHERENCE TO ALL "BEST MANAGEMENT PRACTICES" AS DEFINED IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" AND THROUGH PROPER EARTH SHAPING, TERRACING, BERMING, MAXIMIZING STORMWATER TRAVEL LENGTHS, MINIMIZING STORMWATER PATH SLOPES, IMMEDIATE MULCHING, FERTILIZING, GRASSING AND SITE STABILIZATION THROUGH EVERY MEANS POSSIBLE. INSTALL WATER QUALITY BMPs ONCE RESPECTIVE DRAINAGE AREAS ARE FULLY STABILIZED WITH PERMANENT VEGETATION, PAVING, AND/OR MULCH.

   c. ESTIMATES OF THE TOTAL AREA OF THE SITE AND THE TOTAL AREA OF THE SITE THAT IS EXPECTED TO BE DISTURBED BY EXCAVATION, GRADING, OR OTHER ACTIVITIES
   TOTAL AREA OF PROJECT SITE = APPROXIMATELY 24.95 ACRES. DISTURBED AREA CAUSED BY CONSTRUCTION = APPROXIMATELY 2.10 ACRES.
   d. AN ESTIMATE OF THE RUNOFF COEFFICIENT OR PEAK DISCHARGE FLOW OF THE SITE PRIOR TO THE CONSTRUCTION ACTIVITIES AND AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED AND EXISTING DATA DESCRIBING THE SOIL OR THE QUALITY OF ANY DISCHARGE FROM THE SITE.
   FOR THE PROJECT BASIN, THE ESTIMATED PRE-DEVELOPMENT RUNOFF COEFFICIENT (c) = 0.85, AND THE ESTIMATED POST-DEVELOPMENT RUNOFF COEFFICIENT (c) = 0.85
   (11) e. A SITE-SPECIFIC MAP INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER MAJOR GRADING ACTIVITIES, AREAS OF SOIL DISTURBANCE, AN OUTLINE OF AREAS WHICH ARE NOT TO BE DISTURBED, THE LOCATION OF MAJOR STRUCTURAL AND NON-STRUCTURAL CONTROLS IDENTIFIED IN THE PLAN, THE LOCATION OF AREAS WHERE STABILIZATION PRACTICES ARE EXPECTED TO OCCUR, SURFACE WATERS (INCLUDING WETLANDS), AND LOCATIONS WHERE STORMWATER IS DISCHARGED TO A SURFACE WATER.
   SEE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN(S) FOR REQUIRED INFORMATION.
   f. IDENTIFY THE RECEIVING WATER(S) AND AERIAL EXTENT OF WETLAND ACREAGE AT THE SITE.
   THE RECEIVING WATERS FOR THE PROJECT BASIN IS/ARE THE CHATTAHOOCHEE RIVER AND BALL MILL CREEK.

3. **CONTROLS.**
EACH PLAN SHALL INCLUDE A DESCRIPTION OF APPROPRIATE CONTROLS AND MEASURES THAT WILL BE IMPLEMENTED AT THE CONSTRUCTION SITE INCLUDING: (1) INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS, (2) INTERMEDIATE GRADING AND DRAINAGE BMPS, AND (3) FINAL BMPS. FOR CONSTRUCTION SITES WHERE THERE WILL BE NO MASS GRADING AND THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS, INTERMEDIATE GRADING AND DRAINAGE BMPS, AND FINAL BMPS ARE THE SAME, THE PLAN MAY COMBINE ALL OF THE BMPS INTO A SINGLE PHASE PLAN. THE PLAN WILL INCLUDE APPROPRIATE STAGING AND ACCESS REQUIREMENTS FOR CONSTRUCTION EQUIPMENT. PLANS SUBMITTED AFTER THE EFFECTIVE DATE OF THIS PERMIT SHALL LIMIT THE AMOUNT OF DISTURBED AREA TO NO GREATER THAN 50 ACRES AT ANY ONE TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE APPROPRIATE EPD DISTRICT OFFICE ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. EPD WILL APPROVE OR DISAPPROVE SUCH REQUESTS WITHIN 35 DAYS OF RECEIPT. FAILURE OF EPD TO ACT WITHIN 35 DAYS SHALL BE CONSIDERED AN APPROVAL OF SUCH REQUEST. IF THE EPD DISTRICT OFFICE APPROVES A REQUEST TO DISTURB 50 ACRES OR MORE AT ANY ONE TIME, THE PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE BEST MANAGEMENT PRACTICES LISTED IN PART III.C.2 OF THIS PERMIT.

THE PLAN WILL CLEARLY DESCRIBE FOR EACH MAJOR ACTIVITY IDENTIFIED IN PART IV.D.2.b APPROPRIATE CONTROL MEASURES AND THE TIMING DURING THE CONSTRUCTION PROCESS THAT THE MEASURES WILL BE IMPLEMENTED. THE PRIMARY PERMITTEE IS ENCOURAGED TO UTILIZE THE DOCUMENT, DEVELOPING YOUR STORMWATER POLLUTION PREVENTION PLAN: A GUIDE FOR CONSTRUCTION SITES, EPA 833-R-060-004, MAY 2007 WHEN PREPARING THE PLAN. THE DESCRIPTION AND IMPLEMENTATION OF CONTROLS SHALL ADDRESS THE FOLLOWING MINIMUM COMPONENTS:

a. EROSION AND SEDIMENT CONTROLS

1. STABILIZATION MEASURES

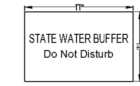
<u>MULCHING</u> - CONTRACTOR SHALL APPLY DRY STRAW OR HAY AND/OR WOOD CHIP MULCH TO DISTURBED AREAS AT A DEPTH OF TWO TO THREE INCHES. SAID MULCH SHALL BE UNIFORMLY APPLIED BY HAND OR MECHANICAL EQUIPMENT. STRAW OR HAY MULCH SHALL BE PRESSED INTO THE SOIL WITH A DISK HARROW WITH DISK SET STRAIGHT OR WITH A SPECIAL "PACKER DISK". THE EDGE OF THE DISK SHOULD BE DULL ENOUGH NOT TO CUT THE MULCH BUT PRESS IT INTO THE SOIL LEAVING MUCH OF IT IN AN ERECT POSITION. STRAW OR HAY MULCH SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION.

<u>POLYACRYLAMIDE</u> (PAM) - CONTRACTOR SHALL UTILIZE ANIONIC POLYACRYLAMIDE AS A TEMPORARY SOIL BINDING AGENT TO REDUCE SOIL EROSION. PAM IS AVAILABLE IN EMULSIONS, POWDERS, AND GEL BARS OR LOGS. PAM SHALL BE UTILIZED IN CONJUNCTION WITH OTHER BEST MANAGEMENT PRACTICES (BMPS). THE CONTRACTOR SHALL APPLY PAM IN CONJUNCTION WITH ALL TEMPORARY AND PERMANENT SEEDING EFFORTS VIA HYDROSEED TYPE APPLICATION AT THE RATE OF SEVEN (7) LBS/ACRE. THE MAXIMUM APPLICATION OF PAM, IN PURE FORM, SHALL NOT EXCEED TWO HUNDRED (200) POUNDS PER ACRE PER YEAR. THE CONTRACTOR SHALL INSTALL A PAM GEL BAR OR LOG IN EACH STORM STRUCTURE (SECURED WITH A ROPE) AND REPLACE AT THE MANUFACTURER'S RECOMMENDED INTERVALS.

<u>TEMPORARY STABILIZATION</u> - TOPSOIL STOCKPILES AND DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE CEASED FOR AT LEAST FOURTEEN (14) CALENDAR DAYS, SHALL BE STABILIZED WITH A SEASON APPROPRIATE TEMPORARY SEEDING AND/OR MULCH. THE TEMPORARY SEED SHALL BE TYPES AS SHOWN IN PIEDMONT VEGETATIVE COVERS CHART AND APPLIED AS INDICATED IN THE PIEDMONT VEGETATIVE COVERS CHART. PRIOR TO SEEDING, TWO-THOUSAND SIX-HUNDRED (2600) POUNDS PER ACRE OF GROUND AGRICULTURAL LIMESTONE, ONE-THOUSAND SEVEN-HUNDRED (1700) POUNDS PER ACRE OF 6-12-12 FERTILIZER, AND THREE-HUNDRED (300) POUNDS PER ACRE OF AMMONIA NITRATE SHALL BE APPLIED TO THE DISTURBED AREAS. AFTER SEEDING, ALL SLOPES THAT EXCEED 3' (H): 1' (V) SHALL BE COVERED WITH EROSION CONTROL MATTING AND/OR BLANKETS. THE MATS AND/OR BLANKETS SHALL BE INSTALLED AS PER THE MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS AND SHALL BE SECURED WITH THE RECOMMENDED FASTENING HARDWARE. AREAS OF THE SITE THAT ARE TO BE PAVED SHALL BE STABILIZED THROUGH THE PROPER COMPACTION OF THE SOIL AND PLACEMENT OF A GRADED STONE AGGREGATE BASE. HYDRAMULCH SHALL BE BONDED FIBER MATRIX (BFM).

<u>PERMANENT STABILIZATION</u> - DISTURBED AREAS OF THE SITE WHERE FINISHED GRADES HAVE BEEN ACHIEVED AND CONSTRUCTION ACTIVITY HAS CEASED FOR AT LEAST FOURTEEN (14) CALENDAR DAYS, SHALL BE STABILIZED WITH SEASON DEPENDENT PERMANENT SEEDING. THE PERMANENT SEED SHALL BE TYPES AS SHOWN IN PIEDMONT VEGETATIVE COVERS CHART AND APPLIED AS INDICATED IN THE PIEDMONT VEGETATIVE COVERS CHART. THE SEED MIXTURE SHALL BE HYDROSEEDED WITH A TANK MIXTURE OF POLYACRYLAMIDE (PAM) AND A TACKIFIER. PAM SHALL BE APPLIED AT THE RATE OUTLINED IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION". PRIOR TO SEEDING, TWO-THOUSAND SIX-HUNDRED (2600) POUNDS PER ACRE OF GROUND AGRICULTURAL LIMESTONE, ONE-THOUSAND SEVEN-HUNDRED (1700) POUNDS PER ACRE OF 6-12-12 FERTILIZER, AND THREE-HUNDRED (300) POUNDS PER ACRE OF AMMONIA NITRATE SHALL BE APPLIED TO THE DISTURBED AREAS. AFTER SEEDING, ALL SLOPES THAT EXCEED 3' (H): 1' (V) SHALL BE COVERED WITH EROSION CONTROL MATTING AND/OR BLANKETS. THE MATS AND/OR BLANKETS SHALL BE INSTALLED AS PER THE MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS AND SHALL BE SECURED WITH THE RECOMMENDED FASTENING HARDWARE. HYDRAMULCH SHALL BE BONDED FIBER MATRIX (BFM).

<u>STREAM BUFFERS</u> (STATE WATER BUFFERS) SHALL BE APPROPRIATELY FLAGGED AND PROTECTED.
SAID BUFFERS SHALL BE IDENTIFIED WITH SIGNAGE DURING THE CONSTRUCTION PERIOD.
(15) SAID SIGNAGE SHALL READ AS FOLLOWS:



SIGNS SHALL BE PLACED AT FORTY (40) FOOT INTERVALS PARALLEL WITH ANY STATE WATER BUFFER IDENTIFIED ON THE PLAN(S). SIGNS SHALL BE WEATHERPROOF AND SHALL BE A MINIMUM OF 11" X 17".
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 OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.
<u>WETLANDS</u>, IF PRESENT ON SITE, ARE SUBJECT TO U.S. ARMY CORPS OF ENGINEERS (U.S.A.C.E.) REGULATIONS AND RESTRICTIONS AND SHALL BE CLEARLY IDENTIFIED BY FLAGGING, FENCING, AND/OR SIGNAGE AT A MAXIMUM OF FIFTY (50) FOOT INTERVALS. THE DISTURBANCE OF ANY DESIGNATED WETLAND IS PROHIBITED UNLESS OTHERWISE ALLOWED BY U.S.A.C.E. PERMIT(S).
(a) WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASE IS PRECLUDED BY SNOW COVER OR OTHER ADVERSE WEATHER CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.

2. STRUCTURAL PRACTICES

<u>TEMPORARY CONSTRUCTION ENTRANCE</u> - A STABILIZED, STONE AGGREGATE CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED, AS PER THE DETAIL SET FORTH IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION". THE TEMPORARY CONSTRUCTION ENTRANCE SHALL REDUCE VEHICLE TRACKING OF SEDIMENTS. OUTGOING TRUCKS SHALL HAVE THE TIRES WASHED PRIOR TO EXITING THE SITE ONTO ANY PUBLIC STREET OR RIGHT-OF-WAY. ANY MUD, DIRT, OR ROCK THAT IS TRACKED ONTO PUBLIC STREETS SHALL BE SWEPT IMMEDIATELY AND THE REMOVED MATERIAL PLACED WITHIN THE SITE PERIMETER CONTROLS.

<u>SILT BARRIERS</u> - SILT FENCE AND OTHER APPROVED BARRIERS SHALL BE INSTALLED AS PER THE PLAN(S), DETAIL(S), AND THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION".

<u>TEMPORARY DIVERSION BERMS AND DITCHES</u> - TEMPORARY DIVERSION BERMS AND DITCHES SHALL BE CONSTRUCTED AS PER THE PLAN(S), DETAIL(S), AND THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION". DIVERSION BERMS AND DITCHES SHALL BE CONSTRUCTED SO AS TO INTERCEPT AND REDIRECT RUNOFF TO THE TEMPORARY SEDIMENT BASIN(S) PRIOR TO THE RUNOFF REACHING THE PERIMETER SEDIMENT CONTROLS.

(48) <u>STORM DRAIN OUTLET PROTECTION</u> - HEADWALL OUTLETS SHALL BE PROTECTED BY STORM DRAIN OUTLET PROTECTION. THE STORM DRAIN OUTLET PROTECTION SHALL BE CONSTRUCTED AS PER THE PLAN(S), DETAIL(S), AND THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION".

<u>SEDIMENT BASINS</u> - SEE BELOW

3. SEDIMENT BASINS

FOR COMMON DRAINAGE LOCATIONS TEMPORARY (OR PERMANENT) SEDIMENT BASIN(S) PROVIDING AT LEAST 1,800 CUBIC FEET (67 CUBIC YARDS) EACH OF STORAGE PER ACRE DRAINED, OR EQUIVALENT CONTROL MEASURES, SHALL BE PROVIDED UNTIL FINAL STABILIZATION OF THE SITE. THE 1,800 CUBIC FEET (67 CUBIC YARDS) OF STORAGE AREA PER ACRE DRAINED DOES NOT APPLY TO FLOWS FROM OFF-SITE AREAS AND FLOWS FROM ON-SITE THAT ARE EITHER UNDISTURBED OR HAVE UNDERGONE FINAL STABILIZATION WHERE SUCH FLOWS ARE DIVERTED AROUND BOTH THE DISTURBED AREA AND THE SEDIMENT BASIN. FOR DRAINAGE LOCATIONS WHERE TEMPORARY SEDIMENT BASIN(S) PROVIDING AT LEAST 1,800 CUBIC FEET (67 CUBIC YARDS) EACH OF STORAGE PER ACRE DRAINED, OR EQUIVALENT CONTROLS IS NOT ATTAINABLE, SEDIMENT TRAPS, SILT FENCES, WOOD MULCH BERMS OR EQUIVALENT SEDIMENT CONTROLS ARE REQUIRED FOR ALL SIDE SLOPE AND DOWN SLOPE BOUNDARIES OF THE CONSTRUCTION AREA. WHEN THE SEDIMENT FILLS TO A VOLUME AT MOST OF 22 CUBIC YARDS PER ACRE FOR EACH ACRE OF DRAINAGE AREA, THE SEDIMENT SHALL BE REMOVED TO RESTORE THE ORIGINAL DESIGN VOLUME. THIS SEDIMENT MUST BE PROPERLY DISPOSED. SEDIMENT BASINS MAY NOT BE FEASIBLE AT SOME CONSTRUCTION SITES. CAREFUL CONSIDERATION MUST BE USED TO DETERMINE WHEN A SEDIMENT BASIN CANNOT BE USED AND/OR WHEN 67 CUBIC YARDS OF STORAGE PER ACRE DRAINED IS NOT ATTAINABLE AND A WRITTEN JUSTIFICATION EXPLAINING THE DECISION(S) MUST BE INCLUDED IN THE PLAN. PERENNIAL AND INTERMITTENT WATERS OF THE STATE SHALL NOT BE USED FOR TEMPORARY OR PERMANENT SEDIMENT DETENTION.

(38) (39) WHEN DISCHARGING FROM SEDIMENT BASINS AND IMPOUNDMENTS, PERMITTEES ARE REQUIRED TO UTILIZE OUTLET STRUCTURES THAT WITHDRAW WATER FROM THE SURFACE, UNLESS INFEASIBLE. IF OUTLET STRUCTURES THAT WITHDRAW WATER FROM THE SURFACE ARE NOT FEASIBLE, A WRITTEN JUSTIFICATION EXPLAINING THIS DECISION MUST BE INCLUDED IN THE PLAN. OUTLET STRUCTURES THAT WITHDRAW WATER FROM THE SURFACE ARE TEMPORARY BMPS AND MUST BE REMOVED PRIOR TO SUBMITTING A NOTICE OF TERMINATION. FOR CONSTRUCTION ACTIVITIES WHERE THE NOI WAS SUBMITTED PRIOR TO JANUARY 1, 2014, THIS REQUIREMENT OF THE PERMIT IS NOT APPLICABLE.

4. ALTERNATIVE BMPs
THE USE OF ALTERNATIVE BMPS WHOSE PERFORMANCE HAS BEEN DOCUMENTED TO BE EQUIVALENT OR SUPERIOR TO CONVENTIONAL BMPS AS CERTIFIED BY A DESIGN PROFESSIONAL MAY BE ALLOWED (UNLESS DISAPPROVED BY EPD OR THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION).

5. HIGH PERFORMANCE BMPs
THE USE OF INFILTRATION TRENCHES, SEEP BERMS, SAND FILTERS, DRY WELLS, FLOCULANTS OR COAGULANTS, ET. FOR MINIMIZING POINT SOURCE DISCHARGES, EXCEPT FOR LARGE RAINFALL EVENTS, IS ENCOURAGED.

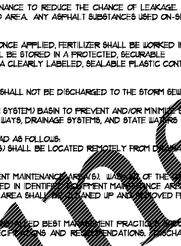
b. STORMWATER MANAGEMENT
CURB AND GUTTER, STORM SEWERS, OVERLAND FLOW AND DETENTION BASINS FOR THE DEVELOPED AREAS SHALL PROVIDE STORMWATER MANAGEMENT.
THE CONTRACTOR SHALL CONFORM TO THE PHASING, SEQUENCING, INSTALLATION, INSPECTION, MAINTENANCE, AND STABILIZATION REQUIREMENTS OF THE "EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN". THE CONTRACTOR SHALL EDUCATE ALL CONSTRUCTION PERSONNEL OF THE IMPORTANCE OF LIMITING THE AREA OF CONSTRUCTION DISTURBANCE THROUGH APPROPRIATE PHASING AND INTERMEDIATE STABILIZATION OF AREAS THAT HAVE REACHED APPROPRIATE GRADES. THIS INCLUDES INSTALLING PERIMETER AREAS OF PAVEMENT AND WALKS, PROPER AND RAPID SEEDBED PREPARATION AND INSTALLATION OF VEGETATION. THE CONTRACTOR SHALL WORK DILIGENTLY TO DEVELOP AND MAINTAIN A CONSTRUCTION APPROACH THAT WILL FOCUS ON THE DAILY REDUCTION OF EXPOSED LAND DISTURBANCE. THE INTENT IS TO REVERSE THE CURRENT CONSTRUCTION MIND SET, FROM THE "BUILDING - FIRST" TO THE "SITE - STABILIZATION - FIRST" AND THEN COMPLETION OF THE BUILDING CONSTRUCTION. THIS WILL IMPROVE STORMWATER RUNOFF QUALITY THROUGH VEGETATIVE STABILIZATION AND WILL ALLOW FOR MORE EFFICIENT ACTIVITY DURING THE WINTER "WET" SEASON. "BE PREPARED" IS AN APPROPRIATE MOTTO FOR IMPROVING THE STORMWATER RUNOFF QUALITY DURING THE CONSTRUCTION PERIOD. THIS MOTTO WILL REQUIRE ENHANCED COMMUNICATION EFFORTS BETWEEN THE OWNER, DESIGN TEAM, CONTRACTOR, AND SUB-CONTRACTORS. PROPER DESIGN, INSTALLATION, INSPECTION, AND MAINTENANCE OF THE BEST MANAGEMENT PRACTICES (BMPS) WILL RESULT IN A MORE SUCCESSFUL PROJECT FOR ALL PARTIES INVOLVED.

1. SUCH PRACTICES MAY INCLUDE: STORMWATER DETENTION STRUCTURES (INCLUDING WET PONDS), STORMWATER RETENTION STRUCTURES, FLOW ATTENUATION BY USE OF OPEN VEGETATED SWALES AND NATURAL DEPRESSIONS, INFILTRATION OF RUNOFF ON-SITE, AND SEQUENTIAL SYSTEMS (WHICH COMBINE SEVERAL PRACTICES). THE PLAN SHALL INCLUDE AN EXPLANATION OF TECHNICAL BASIS USED TO SELECT THE PRACTICES TO CONTROL POLLUTION WHERE FLOWS EXCEED PRE-DEVELOPMENT LEVELS.
2. VELOCITY DISSIPATION DEVICES SHALL BE PLACED AT DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL FOR THE PURPOSE OF PROVIDING A NON-EROSIVE VELOCITY FLOW FROM THE STRUCTURE TO A WATER COURSE SO THAT THE NATURAL PHYSICAL AND BIOLOGICAL CHARACTERISTICS AND FUNCTIONS ARE MAINTAINED AND PROTECTED (E.G. NO SIGNIFICANT CHANGES IN THE HYDROLOGICAL REGIME OF THE RECEIVING WATER (S)).
3. INSTALLATION AND USE OF GREEN INFRASTRUCTURE APPROACHES AND PRACTICES THAT MIMIC NATURAL PROCESSES AND DIRECT STORMWATER WHERE IT CAN BE INFILTRATED, EVAPOTRANSPIRATED OR RE-USED WITH GREEN UTILIZATION OF SOILS AND VEGETATION RATHER THAN TRADITIONAL HARDSCAPE COLLECTION, CONVEYANCE AND STORAGE STRUCTURES ARE ENCOURAGED TO MAXIMUM EXTENT PRACTICABLE. GREEN INFRASTRUCTURE PRACTICES OR APPROACHES INCLUDE PERMEABLE OR POROUS PAVING, VEGETATED SWALES, INSTEAD OF CURBS AND GUTTERS, GREEN ROOFS, TREE BOXES, RAIN GARDENS, CONSTRUCTED WETLANDS, INFILTRATION PLANTERS, VEGETATED MEDIA STRIPS, PROTECTIONS AND ENHANCEMENT OF RIPARIAN BUFFERS AND FLOODPLAINS AND THE OVERALL REDUCTION IN SITE DISTURBANCE AND IMPERVIOUS AREA. DESIGN INFORMATION ON GREEN INFRASTRUCTURE AND OTHER WAYS TO MANAGE STORMWATER CAN BE FOUND IN THE GEORGIA STORMWATER MANAGEMENT MANUAL AND COASTAL STORMWATER SUPPLEMENT. ADDITIONAL INFORMATION ON GREEN INFRASTRUCTURE CAN BE FOUND AT THE USEPA WEBSITE.

c. OTHER CONTROLS

1. WASTE DISPOSAL:
THE CONTRACTOR SHALL PROVIDE APPROPRIATE REFUSE COLLECTION CENTERS TO ALLOW FOR GLASS, PAPER, AND PLASTIC SEPARATION. SAID REFUSE COLLECTION CENTERS SHALL BE MAINTAINED ON A WEEKLY BASIS AND TRANSFERRED TO AN OWNER-APPROVED RECYCLING AND REFUSE CENTER. THE CONTRACTOR SHALL ALSO PROVIDE APPROPRIATE REFUSE CONTAINERS FOR CONSTRUCTION DEBRIS. CONSTRUCTION DEBRIS SHALL BE RECYCLED AS POSSIBLE AND PRACTICAL, ESPECIALLY IN DEMOLITION AND RENOVATION SITUATIONS (I.E., COPPER PIPE, STEEL, CONCRETE, GLASS, ETC.). ILLEGAL DISPOSAL OF SAID MATERIALS (INCLUDING LITTERING) IS SUBJECT TO FINES AND PENALTIES. THE CONTRACTOR SHALL ESTABLISH CONSTRUCTION SITE POLICY AND EDUCATE ALL CONSTRUCTION PERSONNEL. ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED, METAL DUMPSTER. THE DUMPSTER SHALL BE RENTED FROM AND EMPTIED BY A LICENSED SOLID WASTE MANAGEMENT COMPANY. THE DUMPSTER SHALL MEET ALL CITY/COUNTY AND STATE SOLID WASTE MANAGEMENT REGULATIONS AND ORDINANCES. THE DUMPSTER SHALL BE EMPTIED AS NECESSARY AND THE MATERIAL SHALL BE HAULED TO A STATE LICENSED LANDFILL. NO CONSTRUCTION DEBRIS SHALL BE BURIED ON THE CONSTRUCTION SITE. ALL PERSONNEL SHALL BE INFORMED AND INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PROCEDURES SHALL BE POSTED IN THE CONSTRUCTION OFFICE AND THE CONSTRUCTION SUPERINTENDENT SHALL BE RESPONSIBLE FOR INSURING THAT THESE PROCEDURES ARE FOLLOWED.
(18) -ALL HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN A MANNER SPECIFIED BY STATE SOLID WASTE MANAGEMENT REGULATIONS. ALL PERSONNEL SHALL BE INFORMED AND INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR HAZARDOUS WASTE DISPOSAL. NOTICES STATING THESE PROCEDURES SHALL BE POSTED IN THE CONSTRUCTION OFFICE AND THE CONSTRUCTION SUPERINTENDENT SHALL BE RESPONSIBLE FOR INSURING THAT THESE PROCEDURES ARE FOLLOWED.
-SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT
2. FOR BUILDING MATERIAL, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS PRESENT ONT HE 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 DISCHARGE OF POLLUTANTS, OR WHERE EXPOSURE TO SPECIFIC MATERIAL OR PRODUCT POSES LITTLE RISK TO STORMWATER CONTAMINATION (SUCH AS FINAL PRODUCTS AND MATERIALS INTENDED FOR OUTDOOR USE).
3. OFF-SITE VEHICLE TRACKING OF DIRT, SOILS AND SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED OR ELIMINATED TO THE MAXIMUM EXTENT PRACTICAL. REFER TO EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS AND DETAILS.
-PROVIDE AND MAINTAIN A MECHANICAL STREET SWEEPER. ALL ASPHALT AREAS SHALL BE SWEPT AT A MINIMUM OF ONCE EVERY 7 CALENDAR DAYS. ACCUMULATED SWEEPINGS SHALL BE DISTRIBUTED ON AREAS TO BE PLANTED AND SHALL BE STABILIZED WITH PAM, MULCH AND APPROPRIATE GRASS SEED.
4. NOTHING IN THIS PERMIT RELIEVES A PERMITTEE FROM ANY OBLIGATION TO COMPLY WITH WALL APPLICABLE STATE AND LOCAL REGULATIONS OF WASTE DISPOSAL, SANITARY SEWER, SEPTIC AND PETROLEUM STORAGE SYSTEMS.
5. (25) REMEDIATION OF PETROLEUM SPILLS AND LEAKS:
THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT SHALL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORMWATER RUNOFF:
<u>GOOD HOUSEKEEPING</u> - THE FOLLOWING GOOD HOUSEKEEPING PRACTICES SHALL BE FOLLOWED ON-SITE DURING THE CONSTRUCTION PROJECT:
-AN EFFORT SHALL BE MADE TO STORE ONLY ENOUGH PRODUCT ON-SITE TO DO THE JOB.
-ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
-PRODUCTS SHALL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
-SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
-WHENEVER POSSIBLE, ALL OF A PRODUCT SHALL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
-MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED.
-THE SITE SUPERINTENDENT SHALL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OR MATERIALS ON-SITE.
<u>HAZARDOUS PRODUCTS</u> - THE FOLLOWING PRACTICES SHALL BE FOLLOWED ON-SITE TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS:
-PRODUCTS SHALL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
-ORIGINAL LABELS AND MATERIAL SAFETY DATA INFORMATION SHALL BE RETAINED. THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
-IF SURPLUS PRODUCT MUST BE DISPOSED OF, LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL SHALL BE FOLLOWED.

THE FOLLOWING ARE THE PRODUCT SPECIFIC PRACTICES THAT SHALL BE FOLLOWED FOR PRODUCTS STORED ON-SITE:
<u>PETROLEUM PRODUCTS</u>
ALL ON-SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS SHALL BE STORED IN TIGHTLY SEALED CONTAINERS THAT SHALL BE CLEARLY LABELED AND STORED IN A CLEARLY IDENTIFIED AREA. ANY ASPHALT SUBSTANCES USED ON-SITE SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
<u>FERTILIZERS</u>
FERTILIZERS USED SHALL BE APPLIED IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER SHALL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER. ANY FERTILIZERS THAT ARE TO BE STORED ON-SITE SHALL BE STORED IN A PROTECTED, SECURABLE ENCLOSURE. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZERS SHALL BE TRANSFERRED TO A CLEARLY LABELED, SEALABLE PLASTIC CONTAINER TO AVOID SPILLS.
<u>PAINTS</u>
ALL CONTAINERS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT SHALL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT SHALL BE DISPOSED OF IN A MANNER THAT COMPLIES WITH LOCAL AND STATE REGULATIONS.
<u>TEMPORARY FUELING TANKS</u> SHALL HAVE A GEORGIA E.P.D. APPROVED SECONDARY CONTAINMENT (LINER SYSTEM) BASIN TO PREVENT AND/OR MINIMIZE SITE CONTAMINATION. TEMPORARY FUELING TANK LOCATIONS SHALL BE LOCATED REMOTELY FROM DRAINAGE WAYS, DRAINAGE SYSTEMS, AND STATE WATERS (STREAMS, SPRINGHEADS, LAKES, ETC.).
<u>EQUIPMENT MAINTENANCE AREAS</u> SHALL BE CLEARLY IDENTIFIED WITH SIGNAGE. SAID SIGNAGE SHALL READ AS FOLLOWS:
SIGN SHALL BE WEATHERPROOF AND HAVE A MINIMUM SIZE OF 36" X 36". EQUIPMENT MAINTENANCE AREA(S) SHALL BE LOCATED REMOTELY FROM DRAINAGE WAYS DRAINAGE SYSTEMS, AND STATE WATERS (STREAMS, SPRINGHEADS, LAKES, ETC.).



6. (24) CONCRETE BEST MANAGEMENT PRACTICES
CONCRETE TRUCKS SHALL BE ALLOWED TO WASH OUT AND DISCHARGE ONLY AT THE IDENTIFIED EQUIPMENT MAINTENANCE AREA(S). WASHOUT OF THE DRUM IS PROHIBITED AT THE CONSTRUCTION SITE. CONCRETE WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS, AND REAR OF VEHICLES IS ALLOWED IN IDENTIFIED EQUIPMENT MAINTENANCE AREA. MAINTENANCE AREA(S) SHALL BE EQUIPPED WITH A DISCHARGE CONTAINMENT AREA (E.G., EARTH BERMS SURROUNDING THE AREA). THE CONTAINMENT AREA SHALL BE CLEANED UP AND REMOVED FROM THE SITE UPON COMPLETION OF CONCRETE INSTALLATION WORK.
7. DEWATERING BEST MANAGEMENT PRACTICES
CONTRACTOR SHALL ROUTE DISCHARGES FROM DE WATERING OF TRENCHES AND EXCAVATIONS THROUGH APPROVED BEST MANAGEMENT PRACTICES. SHOULD SUCH OPERATION BE ADJACENT TO WATERS OF THE STATE, THE CONTRACTOR SHALL UTILIZE A DE WATERING FILTER BAG, PER MANUFACTURES SPECIFICATIONS AND RECOMMENDATIONS. DISCHARGES ARE PROHIBITED UNLESS MANAGED BY APPROPRIATE CONTROLS.
-WETLANDS, IF PRESENT ON SITE, ARE SUBJECT TO U.S. ARMY CORPS OF ENGINEERS (U.S.A.C.E.) REGULATIONS AND RESTRICTIONS AND SHALL BE CLEARLY IDENTIFIED BY FLAGGING, FENCING, AND/OR SIGNAGE AT A MAXIMUM OF FIFTY (50) FOOT INTERVALS. THE DISTURBANCE OF ANY DESIGNATED WETLAND IS PROHIBITED UNLESS OTHERWISE ALLOWED BY U.S.A.C.E. PERMIT(S).

(29) 4. **INSPECTIONS**
a. PERMITTEE REQUIREMENTS
1. EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (a) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT AND (b) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
2. MEASURE AND RECORD RAINFALL WITHIN DISTURBED AREAS OF THE SITE THAT HAVE NOT MET FINAL STABILIZATION ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY. THE DATA COLLECTED FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.
3. CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY, IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST: (a) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE, (b) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION, AND (c) STRUCTURAL CONTROL MEASURES. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION, OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.a.(4). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
4. CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION HAS BEEN SUBMITTED) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).
BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.
A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, AND THE DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E. INITIAL, INTERMEDIATE, OR FINAL), MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.a.(5) OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION PROJECT THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY AND SHALL IDENTIFY ALL INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT BEEN PROPERLY INSTALLED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES NOT IDENTIFY ANY, THE INSPECTION REPORT SHALL CONTAIN A CERTIFICATION THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G.2. OF THIS PERMIT.

5. **MAINTENANCE**
THE FOLLOWING ARE THE MAINTENANCE AND INSPECTION PROCEDURES THAT SHALL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS:
-ALL PERIMETER SEDIMENT CONTROLS SHALL BE INSPECTED AND REPAIRED OF DAMAGE ON A DAILY BASIS.
-ALL INTERIOR SEDIMENT CONTROLS SHALL BE INSPECTED WEEKLY, AT A MINIMUM, AND FOLLOWING ANY STORM EVENT OF ONE-HALF INCH OR GREATER.
-ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE SILT FENCE WHEN IT REACHES A DEPTH OF ONE-THIRD (1/3) THE HEIGHT OF THE SILT FENCE.
-THE TEMPORARY SEDIMENT BASIN(S) SHALL HAVE PAINTED GAUGE STAKES OR MARKINGS ON THE OUTLET CONTROL STRUCTURE(S) REPRESENTING THE CLEANOUT AND MINIMUM STORAGE VOLUME AS PER THE PLAN(S) AND DETAIL(S).
-TEMPORARY DIVERSION BERM(S)/DITCH(ES) SHALL BE INSPECTED AND ANY BREACH OR DAMAGE REPAIRED IMMEDIATELY.
-TEMPORARY AND PERMANENT SEEDING AND PLANTING SHALL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.
-A MAINTENANCE INSPECTION REPORT SHALL BE MADE AFTER EACH INSPECTION.
-THE GENERAL CONTRACTOR SHALL SELECT THE INDIVIDUAL(S) WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE, REPAIR ACTIVITIES, COMPLETING AND FILING THE INSPECTION AND MAINTENANCE REPORTS.
-PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES SHALL RECEIVE TRAINING FROM AN INDIVIDUAL DESIGNATED BY THE GENERAL CONTRACTOR. THEY SHALL BE TRAINED IN ALL OF THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL MEASURES IN GOOD WORKING ORDER.

6. **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 FIVE (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 (REFEREED 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 CONSTRUCTION, (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 STORMWATER 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 REVIVING WATER(S) MUST BE HAND-DRAWN ON THE USGS TOPOGRAPHIC MAP FROM WHERE THE STORMWATER(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 SHALL INCLUDE PRECISE SAMPLING METHODOLOGY FOR EACH SAMPLING LOCATION.
3. (33) 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)
THE NTU LIMIT FOR THIS CONSTRUCTION SITE IS 75 NTUs. THIS LIMIT IS BASED ON APPENDIX B OF THIS PERMIT AND THE FACTS THAT THE CONSTRUCTION SITE AREA IS BETWEEN 1.00 AND 10 ACRES, THE SIZE OF THE SURFACE WATER DRAINAGE AREA IS BETWEEN 0 AND 4.99 SQ. MILES, AND THE RECEIVING WATER SUPPORTS WARM WATER FISHERIES. THIS LIMIT SHALL BE USED IN PARTIII.C.4 OF THIS PERMIT

APPENDIX B Nephelometric Turbidity Unit (NTU) TABLES

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Trout Streams — Surface Water Drainage Area, square miles

Site Size, acres	0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
1.00-10	25	50	75	150	300	500	500	500
10.01-25	25	25	50	75	150	200	500	500
25.01-50	25	25	25	50	75	100	300	500
50.01-100	20	25	25	35	50	75	150	300
100.01+	20	20	25	25	25	50	60	100

To use these tables, select the size (acres) of the construction site. Then, select the surface water drainage area (square miles). The NTU matrix value arrived at from the above tables is the one to use in Part III.D.4.

Warm Water (Supporting Warm Water Fisheries) — Surface Water Drainage Area, square miles

Site Size, acres	0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
1.00-10	75	150	200	400	750	750	750	750
10.01-25	50	100	100	200	300	500	750	750
25.01-50	50	50	100	100	200	300	750	750
50.01-100	50	50	50	100	100	150	300	600
100.01+	50	50	50	50	50	100	200	100

To use these tables, select the size (acres) of the construction site. Then, select the surface water drainage area (square miles). The NTU matrix value arrived at from the above tables is the one to use in Part III.D.4.

NOTE: TURBIDITY OF SAMPLING LOCATION(S) ON STREAM SHALL NOT INCREASE BY MORE THAN 25 NTUs.

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.

(32) b. SAMPLING TYPES
ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES SHALL 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 SHALL BE LABELED PRIOR TO COLLECTING THE SAMPLES.
2. SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.
3. LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHALL BE USED FOR COLLECTING SAMPLES. THE JARS SHALL BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.
4. MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHALL BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS SHALL 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 THE SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.
5. 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.

(32) c. SAMPLING POINTS
1. FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE MUST SAMPLE ALL RECEIVING WATER(S), OR ALL OUTFALL(S), OR A COMBINATION OF 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 STORMWATER 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 STORMWATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E. THE DISCHARGE FARTHEST 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.
   b. 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 FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORMWATER 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 STORMWATER OUTFALL CHANNEL(S).
   d. CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORMWATER 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 SHEET FLOW 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 STORMWATER 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.

(31) (30) d. SAMPLING FREQUENCY
1. THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, THE PERMITTEE SHALL SAMPLE AT THE BEGINNING OF ANY STORMWATER DISCHARGE TO A MONITORED RECEIVING WATER AND/OR FROM A MONITORED OUTFALL LOCATION WITHIN FORTY-FIVE (45) MINUTES OR AS SOON AS POSSIBLE.
2. HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PRIMARY PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORMWATER DISCHARGE.
3. SAMPLING BY THE PRIMARY PERMITTEE SHALL OCCUR FOR THE FOLLOWING QUALIFYING EVENTS:
   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.

PRIMARY PERMITTEE (5)

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CONTACT TITLE: DIRECTOR OF CAPITAL PLANNING
REPRESENTING: FULTON COUNTY SCHOOLS
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	95% CD'S	11/08/2018
	LDP RESUBMITTAL	11/19/2018
	BID SET	12/03/2018

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