

32 F. RETENTION OF RECORDS.

1. THE PRIMARY PERMITEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:
- A. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;
 B. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;
 C. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV A.5. OF THIS PERMIT;
 D. A COPY OF ALL SAMPLING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;
 E. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV D.4. OF THIS PERMIT;
 F. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III D.2. OF THIS PERMIT; AND
 G. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV D.4. (2). OF THIS PERMIT.
2. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, INSPECTION REPORTS, SAMPLING REPORTS (INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION) OR OTHER REPORTS REQUESTED BY THE EPD, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITEE.
- 33 ANALYTICAL METHODS FOR COLLECTING AND ANALYZING SAMPLES
 (a) THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.
 (b) IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORM WATER CUTOFF CHANNEL(S).
 (c) CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER CHANNEL.
 (d) THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.
 (e) THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.
 (f) PERMITEES DO NOT HAVE TO SAMPLE SHEETFLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS SECTION, STABILIZED SHALL MEAN, FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS THE USE OF RIP RAP, CAGIONS, PERMANENT MULCHES OR GEOTEXTILES) HAVE BEEN USED.
 (g) PERMANENT VEGETATION SHALL CONSIST OF PLANTED TREES, SHRUBS, PERENNIAL VINES, A CROP OF PERENNIAL VEGETATION APPROPRIATE FOR THE TIME OF YEAR AND REGION, OR A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION. FINAL STABILIZATION APPLIES TO EACH PHASE OF CONSTRUCTION.
 (h) ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING, AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORM WATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS OR III D.4., WHICHEVER IS APPLICABLE.

APPENDIX B NEPHELOMETRIC TURBIDITY UNIT (NTU) TABLES

COLD WATER (TROUT STREAMS) Surface Water Drainage Area, square miles

Table with 6 columns: SITE SIZE (ACRES), and 5 columns of NTU values for different drainage areas.

WARM WATER (SUPPORTING WARM WATER FISHERIES) Surface Water Drainage Area, square miles

Table with 6 columns: SITE SIZE (ACRES), and 5 columns of NTU values for different drainage areas.

To use these tables, select the size (acres) of the facility or common development. 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 C.4 [of the General Permits Nos. GAR 10000.1, GAR 10000.2, and GAR 10000.3].

STORM WATER IS TO BE SAMPLED FOR NEPHELOMETRIC TURBIDITY UNITS (NTU) AT THE OUTFALL LOCATION. A DISCHARGE OF STORM WATER FROM A DISTURBED AREA WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED, INSTALLED AND MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH CONDITION RESULTS IN THE TURBIDITY OF THE DISCHARGE EXCEEDING 50, THE VALUE THAT WAS SELECTED FROM APPENDIX B IN PERMIT NO. GAR 10000.1. THE NTU IS BASED UPON THE DISTURBED ACREAGE OF 1.67 ACRES FOR THE PROJECT SITE. THE SURFACE WATER DRAINAGE AREA OF 0.17 SQUARE MILES, AND RECEIVING WATER WHICH SUPPORTS WARM WATER FISHERIES.

- 34 -SEE COVER FOR LOCATION MAP. SEE PHASE I, PHASE II & PHASE III EROSION CONTROL PLANS FOR SAMPLING LOCATIONS AND STREAM INFORMATION IF APPLICABLE.
- 35 -DESCRIPTION OF APPROPRIATE CONTROLS AND MEASURES THAT WILL BE IMPLEMENTED AT THE CONSTRUCTION SITE INCLUDING:
- (1) INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPs:
 INITIAL CONTROLS INCLUDE THE INSTALLATION OF A CONSTRUCTION EXIT. THE ENTIRE PERIMETER OF THE SITE WILL BE SURROUNDED BY SENSITIVE TYPE SILT FENCE ALONG WITH THE INSTALLATION OF TEMPORARY SEDIMENT TRAPS (S-2) AT LOW POINTS IN EACH OF THE SMALL DRAINAGE BASINS SEE DRAWING C205 FOR THE SEDIMENT STORAGE REQUIREMENTS AND THE LOCATION OF THE PERIMETER CONTROLS.
- (2) INTERMEDIATE GRADING AND DRAINAGE BMPs
 TEMPORARY GRASSING, INLET PROTECTION, AND SILT FENCE
- (3) FINAL BMPs
 FINAL BMPs PRIMARILY SOD ON ALL DISTURBED AREAS
- 37 -GRAPHIC SCALES AND NORTH ARROWS ARE SHOWN ON THE PLANS. -SEE C205, C206 & C207 PLANS
- 38 -EXISTING AND PROPOSED CONTOUR LINES ARE SHOWN ON THE PLANS. -SEE C205, C207 & C208 PLANS
- 39 -APPROVED ALTERNATIVE BMPs HAVE BEEN USED WHERE NECESSARY PROVIDED. SEE SHEET C503 & C504 FOR BMP DETAILS.
- 40 -APPROVED ALTERNATIVE BMPs HAVE BEEN USED WITH DETAILS PROVIDED. SEE SHEET C503 & C504 FOR BMP DETAILS.
- 41 -SEE C205, C207 & C208 PLANS FOR APPLICABLE 25-FOOT & 50-FOOT STATE WATERS BUFFER LOCATIONS.
- 42 -SEE C205, C207 & C208 PLANS FOR ON-SHORE WETLAND DELINEATION AND STATE WATERS INFORMATION LOCATE ON AND WITHIN 200' OF THE SITE.
- 43 -SEE THE WATERSHED PLANS & EROSION CONTROL PLANS FOR CONTRIBUTING DRAINAGE BASINS ON THE SITE.
- 44 -SEE THE WATERSHED PLANS FOR DRAINAGE BASIN INFORMATION.
- 45 -SEE THE WATERSHED PLANS FOR RUNOFF COEFFICIENT INFORMATION.
- 46 -SEE STORM PIPE PROFILES FOR WEIR VELOCITIES AND OUTLET PROTECTION
- 47 -SEE THE SEDIMENT & EROSION CONTROL PLANS AND THE COVER SHEET FOR DETAILED SOILS INFORMATION AND MAP
- 48 -SEE STORM PIPE PROFILES FOR WEIR VELOCITIES AND OUTLET PROTECTION
- 49 -SEE THE SEDIMENT & EROSION CONTROL PLANS AND DETAILS FOR SEDIMENT STORAGE INFORMATION:
 A TEMPORARY TRAP (S-2) IS BEING USED.
 SEDIMENT STORAGE OF 87 CUYDS PER DRAINED ACRE IS PROVIDED FOR EACH COMMON DRAINAGE AREA THROUGH THE USE OF SILT FENCE STORAGE
- 50 BEST MANAGEMENT PRACTICES ARE DETAILED ON CONSTRUCTION DETAIL SHEETS C503 & C504.

51 -SEE THE CONSTRUCTION DETAILS & SEDIMENT & EROSION CONTROL SHEETS FOR DETAILS OF THE STRUCTURAL PRACTICES. SEE SPECIFICATION SECTION(S) 31 10 19 / 31 10 23 IN THE PROJECT MANUAL FOR PRODUCT DATA AND GENERAL INFORMATION. SPECIFICATIONS MUST, AT A MINIMUM, MEET THE GUIDELINES SET FORTH IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.

SEEDING TABLE FOR Ds2 & Ds3. Table with columns: HEARD COUNTY, PLANTING ZONES, PLANTING DATES, POUNDS OF SEED PER ACRE (ANNUAL RYE GRASS, COMMON BERMUDAGRASS, etc.), and REQUIRED PERMANENT PLANT.

- *1. CENTIPEDEGRASS IS TO BE PLANTED ONLY WHERE SHOWN ON THE PLANS.
- *2. SEE SUBSECTION 700.04F OF THE GEORGIA DEPARTMENT OF TRANSPORTATION (G.D.O.T.) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2001, OR CURRENT EDITION.
- *3. ANY LOVEGRASS OTHER THAN ON NONMOWABLE (STEEP) SLOPES SHALL BE REMOVED AT NO ADDITIONAL COST TO THE OWNER.
- *4. IF IN THE OPINION OF SOUTHERN A&E, LLC, EROSION CONTROL CAN BEST BE PROVIDED BY PLANTING TEMPORARY GRASS DURING WINTER, 15 POUNDS PER ACRE OF ANNUAL RYEGRASS SHALL BE PLANTED IN ACCORDANCE WITH SUBSECTION 700.04F FROM NOV. 15 TO FEB. 15. SEE NOTE (2), ABOVE, AND PROJECT SPECIFICATION SECTION "32 92 00" "LAWN AND GRASSES".

- COUNTY:
 ZONE 1: BANKS, BARROW, BARTOW, CARROL, CHEROKEE, DAWSON, ELBERT, FLOYD, FORSYTH, FRANKLIN, GORDON, GWINNETT, HALL, HARALSON, HART, JACKSON, MADISON, PAULDING, PICKENS, POLK, STEPHENS.
- ZONE 1A: CLAYTON, COBB, DEKALB, DOUGLAS, FULTON, ROCKDALE.
- ZONE 1B: CATOOSA, CHATTOOGA, DADE, FANNIN, GILMER, HABERSHAM, LUMPKIN, MURRAY, RABUN, TOWNS, UNION, WALKER, WHITE, WHITFIELD.
- ZONE 2: BALDWIN, BUTTS, CLARKE, COLUMBIA, COWETA, FAYETTE, GREENE, HANCOCK, HARRIS, HEARD, BERRY, JASPER, HONES, LAMAR, LINCOLN, MCDUFFIE, MERIWETHER, MONROE, MORGAN, NEWTON, OCONEE, OGLETHORPE, PIKE, PUTNAM, SPALDING, TALIAFERRO, TALBOT, TROUP, UPSON.
- ZONE 3: BAKER, BEN HILL, BLECKLEY, BROOKS, BURKE, CLAY, CANTAWHATCHIE, COLQUITT, CRISP, DODGE, DOOLY, EARLY, EVANS, JEFFERSON, SAUER, MILLER, MITCHELL, MUSCOGEE, PULASKI, RICHMOND, SCHLEY, TAYLOR, TERRELL, TIFT, WASHINGTON, WEBSTER, WHEELER, WILCOX, WILKINSON.
- ZONE 4: APPLING, ATKINSON, BACON, BRYAN, CAMDEN, CHARLTON, CATHAM, CAINCH, COFFEE, ECHOLS, EFFINGHAM, GLYNN, LIBERTY, LONG, MONTGOMERY, WARE.

FERTILIZER, LIME AND MULCH REQUIREMENTS FOR GRASSING. Table with columns: SPECIES, RATE, TOP DRESSING RATE, LIME RATE, HAY/STRAW RATE, and a reference code.

- NOTES:
 *1 APPLY IN SPRING FOLLOWING SEEDING
 *2 APPLY IN SPLIT APPLICATIONS WHEN HIGH RATES ARE USED
 *3 APPLY IN 3 SPLIT APPLICATIONS
 *4 APPLY WHEN PLANTS ARE PRUNED
 *5 APPLY TO GRASS SPECIES ONLY
 *7 MULCH SHALL BE APPLIED TO COVER 75% OF THE GROUND MIN.

DISTURBED AREA STABILIZATION (WITH TEMPORARY & PERMANENT) GRASSING DETAIL NO SCALE

- DELETE APPENDIX 1 IF NOT APPLICABLE TO PROJECT
- APPENDIX 1
 THE EROSION PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE FOLLOWING BMPs FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO A NEARBY STREAM SEGMENT AND FOR SITES WHICH EROSION IS APPROVED IN WRITING A REQUEST TO DISTURB 50 ACRES OR MORE AT ANY ONE TIME. The four items shown must be applicable to the site conditions:
1. During construction activities, double the width of the 25 foot undisturbed vegetated buffer along all State waters including a buffer and the 50 foot undisturbed vegetated buffer along all State waters classified as "head streams" requiring a buffer. During construction activities, EPD will not grant variances to any such buffers that are increased in width.
2. Increase all temporary sediment basins and installed storm water management basins to provide sediment storage of at least 3600 cubic feet (134 cubic yards) per acre served.
3. Use berms in all temporary sediment basins and installed storm water management basins to at least double the conventional flow path length to the outlet structure.
4. Conduct turbidity sampling after every rain event of 0.5 inch or greater within any 24 hour period, recognizing the exception specified in Section IV D.6.d. of the NPDES Permit.
5. Comply with the applicable end-of-pipe turbidity effluent limit, without the "BMP defense" as provided for in O.C.G.A. 10-7-6 (e)(1).
6. Reduce the total planned site disturbance to less than 50% impervious surfaces (including any State-maintained buffer areas from such calculations). All calculations must be included on the Plan.
7. Limit the amount of disturbed area at any one time to no greater than 25 acres or 50% of the total planned site disturbance, whichever is less. All calculations must be included on the Plan.
8. Add appropriate organic soil amendments (e.g., compost) and conduct pre- and post-construction soil sampling to a depth of six (6) inches to document improved levels of soil carbon after final stabilization of the construction site.
9. Use rough filter berms, in addition to a silt fence, on the site perimeter whenever construction sites water runoff may be discharged. Silt fence berms cannot be placed in evidence or areas of concentrated flow.
10. Install silt for a minimum 20 foot width (in lieu of seeding) after final grading has been achieved, along the site perimeter whenever storm water runoff (sheet flow) may discharge.
11. Conduct soil tests to identify and to apply any non-specific fertilizer needs.
12. Certified personnel for primary permittees shall conduct inspections of at least once every seven (7) calendar days within 24 hours of the start of the storm that is 0.5 inches rainfall or greater in accordance with Section IV D.4.6.(2)(b) - (c), secondary permittees, Section IV D.4.6.(3)(a) - (c), and tertiary permittees Section IV D.4.6.(3)(d) - (e).
13. Apply the appropriate compost blankets (minimum depth 1.5 inches) to protect soil surfaces until vegetation is established during the final stabilization phase of the construction activity.
14. Use alternative BMPs whose performance has been documented to be superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commissioners). If using this then please refer to the Alternative BMP guidance document located at www.gdwca.org.
15. Limit the total planned site disturbance to less than 15% impervious surfaces (including any State-maintained buffer areas from such calculations). All calculations must be included on the Plan.
16. This assessment is different for infrastructure projects.
 Certified personnel for primary permittees shall conduct inspections of at least once every seven (7) calendar days and within 24 hours of the start of the storm that is a 0.5-inch rainfall or greater in accordance with Section IV D.4.6.(2)(b) - (c) of the permit.
- Effective January 1, 2019.



S&E PROJECT NUMBER: 01-615-056
 BID PACKAGE/PHASING: BP-1
 ISSUED FOR CONSTRUCTION: 10/15/2019

REVISIONS

R #	Doc #	Date

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FACILITY CODE NUMBER: 674-0110
 GYMNASIUM/AUDITORIUM FOR:
HEARD COUNTY SCHOOLS
 545 MAIN STREET, FRANKLIN, GA 30217
HEARD COUNTY SCHOOL SYSTEM
 FRANKLIN, GEORGIA

EROSION CONTROL NOTES

DRAWING NUMBER: C202

CAUTION:
 THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTORS CONVENIENCE ONLY. OTHER UTILITIES MAY BE PRESENT BUT NOT SHOWN ON THESE DRAWINGS. THE ARCHITECT & ENGINEER ASSUME NO RESPONSIBILITY FOR THE UTILITY LOCATIONS SHOWN, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO THE EXISTING UTILITIES BY THE CONTRACTOR SHALL BE REPAIRED TO A "LIKE NEW" CONDITION. THE CONTRACTOR SHALL BEAR THE SOLE RESPONSIBILITY FOR ANY LOSSES THAT OCCUR FROM DAMAGES TO THE EXISTING UTILITIES.

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