

F. RETENTION OF RECORDS.

- 1. THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:
A. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD.
B. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT.
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.a OF THIS PERMIT.
F. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.2. OF THIS PERMIT. AND
G. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.a (2). OF THIS PERMIT.

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

- 36 ANALYTICAL METHODS FOR COLLECTING AND ANALYZING SAMPLES
(b) THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.

- (c) IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORM WATER 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.
(f) THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.
(g) PERMITTEES DO NOT HAVE TO SAMPLE SHEETFLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS SECTION, STABILIZED SHALL MEAN, FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS THE USE OF RIP RAP, GABIONS, PERMANENT MULCHES OR GEOTEXTILES) HAVE BEEN USED. 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 7 columns for NTU ranges (0-4.99, 5-9.99, etc.) and 7 rows for site sizes (1.00-10, 10.01-25, etc.). Values represent square miles.

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

Table with 7 columns for NTU ranges (0-4.99, 5-9.99, etc.) and 7 rows for site sizes (1.00-10, 10.01-25, etc.). Values represent square miles.

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 100001, GAR 100002, and GAR 100003].

STORM WATER IS TO BE SAMPLED FOR NEPHELOMETRIC TURBIDITY UNITS (NTU) AT THE OUTFALL LOCATION. A DISCHARGE OF STORM WATER RUNOFF FROM ANY BEST MANAGEMENT PRACTICES THAT 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 100001, THE NTU IS BASED UPON THE DISTURBED ACREAGE OF 1.0 ACRES FOR THE PROJECT SITE. THE SURFACE WATER DRAINAGE AREA OF 0.10 SQUARE MILES, AND RECEIVING WATER WHICH SUPPORTS WARM WATER FISHERIES.

- 37 -SEE COVER FOR LOCATION MAP. SEE PHASE I, PHASE II & PHASE III EROSION CONTROL PLANS FOR SAMPLING LOCATIONS AND STREAM INFORMATION IF APPLICABLE.
38 -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 (S2) AT LOW POINTS IN EACH OF THE SMALL DRAINAGE BASINS THAT MAKE UP THE "TURTLE BACKED" PLAYFIELD. SEE DRAWING C206 FOR THE SEDIMENT STORAGE REQUIREMENTS AND THE LOCATION OF THE PERIMETER CONTROLS.

- (2) INTERMEDIATE GRADING AND DRAINAGE BMPs: DUE TO THE NATURE OF THE SIZE OF THIS RELATIVELY SMALL PROJECT OF AN EXISTING PLAYFIELD, NO ADDITIONAL BMPs ARE PROPOSED DURING THE INTERMEDIATE PHASE.

- (3) FINAL BMPs: FINAL BMPs PRIMARILY ARE THE INTENT AND EXTENT OF THIS PROJECT, WHICH IS THE INSTALLATION OF NEW PERMANENT ARTIFICIAL GRASSING OF THE PLAY FIELD.

- 39 -GRAPHIC SCALES AND NORTH ARROWS ARE SHOWN ON THE PLANS. -SEE C206, C207 & C207 PLANS
40 -EXISTING AND PROPOSED CONTOUR LINES ARE SHOWN ON THE PLANS. -SEE C206, C207 & C208 PLANS

- 41 -APPROVED ALTERNATIVE BMPs HAVE BEEN USED FOR THE PLAYFIELD. SEE SHEET C503 & C504 FOR BMP DETAILS IF APPLICABLE.
42 -APPROVED ALTERNATIVE BMPs HAVE BEEN USED WITH DETAILS AS PROPOSED. SEE SHEET C503 & C504 FOR BMP DETAILS IF APPLICABLE.

- 43 -SEE C206, C207 & C208 PLANS FOR APPROXIMATE 25-FOOT & 50-FOOT STATE WATERS BUFFER LOCATIONS.
44 -SEE C206, C207 & C208 PLANS FOR ON-SITE TOWARD DELINEATION AND STATE WATERS INFORMATION LOCATE ON AND WITHIN 200' OF THE SITE.

- 45 -SEE THE WATERSHED PLANS & EROSION CONTROL PLANS FOR CONTRIBUTING DRAINAGE BASINS ON THE SITE.
46 -SEE THE WATERSHED PLANS FOR DRAINAGE BASIN INFORMATION.

- 47 -SEE THE WATERSHED PLANS FOR RUNOFF COEFFICIENT INFORMATION.
48 -SEE STORM PIPE PROFILES FOR WEIR VELOCITIES AND OUTLET PROTECTION

- 49 -SEE THE SEDIMENT & EROSION CONTROL PLANS AND THE COVER SHEET FOR DETAILED SOILS INFORMATION AND MAP
50 -SEE STORM PIPE PROFILES FOR WEIR VELOCITIES AND OUTLET PROTECTION

- 51 -SEE THE SEDIMENT & EROSION CONTROL PLANS AND DETAILS FOR SEDIMENT STORAGE INFORMATION: A TEMPORARY TRAP (S2) IS BEING USED. SEDIMENT STORAGE OF 67 CUYDS PER DRAINED ACRE IS PROVIDED FOR EACH COMMON DRAINAGE AREA THROUGH THE USE OF TEMPORARY SEDIMENT TRAPS AND/OR SEDIMENT BASINS. SEE DRAWING C206 & C207 FOR SEDIMENT STORAGE CALCULATIONS.

- 52 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 SECTIONS 31.10, 31.11, 31.12, 31.13, 31.14, 31.15, 31.16, 31.17, 31.18, 31.19, 31.20, 31.21, 31.22, 31.23, 31.24 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 for HERE COUNTY, PLANTING ZONES, PLANTING DATES, POUNDS OF SEED PER ACRE (ANNUAL RYE GRASS, COMMON BERMUADGRASS, CENTIPEDE GRASS, INTERSTATE LESPEDEZA, WEEPING LOUSE GRASS, TALL RESCUE, CENTIPEDE GRASS (1), INTERSTATE LESPEDEZA (1), CENTIPEDE GRASS (2), WYANDOTT GRASS, CRABGRASS), 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. ANY LOWGRASS 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".

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, GREENS, HANCOCK, HARRIS, HEARD, HENRY, JASPER, HONES, LAMAR, LINCOLN, MCDUFFIE, MARIETTA, MONROE, MORGAN, NEWTON, OCONEE, OGLETHORPE, PICKENS, PUTNAM, SPALDING, TALLADEMA, TALBOT, TROUP, UPSON.

ZONE 3: BAKER, BEN HILL, BLECKLEY, BROOKS, BURKE, CLAY, CHATTAHOOCHEE, COLQUITT, CRISP, DODGE, DOOLY, EARLY, EVANS, JEFFERSON, JAMES, MILLER, MITCHELL, MUSCOGEE, PULASKI, RICHMOND, SCHLEY, TAYLOR, TERRELL, TIFT, WASHINGTON, WEBSTER, WHEELER, WILCOX, WILKINSON.

ZONE 4: APPLING, ATKINSON, BACON, BRYAN, CAMDEN, CHARLTON, CHATHAM, CLINCH, COFFEY, ECHOLS, EFFINGHAM, GLYNN, LIBERTY, LONG, MONTGOMERY, WARE.

FERTILIZER, LIME AND MULCH REQUIREMENTS FOR GRASSING. Table with columns for SPECIES, RATE, N DRESSING RATE, LIME RATE, and HAY/STRAW RATE. Includes rows for COOL SEASON GRASSES, WARM SEASON GRASSES, GROUND COVER, and TEMPORARY COVER CROPS.

- 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.

Ds2 Ds3 DISTURBED AREA STABILIZATION (WITH TEMPORARY & PERMANENT) GRASSING DETAIL NO SCALE

DELETE APPENDIX 1 IF NOT APPLICABLE TO PROJECT

APPENDIX 1 THE EROSION CONTROL PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE FOLLOWING BMPs FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO AN IMPAIRED STREAM SEGMENT AND FOR THOSE WHICH ARE APPROVED IN WRITING A REQUEST TO DISBURSE 10 ACRES OR MORE AT ANY ONE TIME. The list items below must be appropriate for the site conditions:

- 1. During construction activities, double the width of the 25 foot undisturbed vegetated buffer along all State waters requiring a buffer and the 50 foot undisturbed vegetated buffer along all State waters classified as " trout 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 reworked storm water management basins to provide sediment storage of at least 3000 cubic feet (134 cubic yards) per acre drained.
3. Use baffles in all temporary sediment basins and reworked storm water management basins to at least double the detention time, with baffles placed to reduce the velocity of the water.
4. Conduct turbidity sampling after every rain event of 0.2 inch or greater within any 24 hour period, resampling the exception specified in Section IV.D.6.d. of the NPDES Permits.
5. Comply with the applicable end-of-pipe turbidity effluent limit, without the "BMP deferral" as provided for in O.C.G.A. 10-7-8 (d)(1).
6. Reduce the total planned site disturbance to less than 50% impervious surfaces (excluding any disturbance buffer areas from each calculation). All calculations must be included in 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 in the Plan.
8. Apply 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 erosion filter barriers, in addition to a silt fence, on the site perimeter whenever construction storm water (including sheet flow) may be discharged. Match filter barriers cannot be placed in watershed or areas of concentrated flow.
10. Install silt for a minimum 30 foot width (in line of seeping) after final grade has been achieved, along the site perimeter whenever storm water (including sheet flow) may be discharged.
11. Conduct soil tests to identify areas to implement site-specific fertilizer needs.

- 12. Certified persons for primary permittees shall conduct inspections at least twice every seven (7) calendar days within 24 hours of the end of the storm that is 0.2 inches rainfall or greater in accordance with Section IV.D.4.a.(5)(a) - (c) secondary permittee, Section IV.D.4.a.(5)(a) - (c), and tertiary permittees Section IV.D.4.a.(5)(a) - (c).
13. Apply the appropriate silt fence (minimum depth 1.5 inches) to protect soil surface 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 (licensed and approved by EPD) or the Georgia Soil and Water Conservation Commission. (If using this item please refer to the Alternative BMP guidance document found at www.georgia.gov/epd).
15. Limit the total planned site disturbance to less than 15% impervious surfaces (excluding any disturbance buffer areas from each calculation). All calculations must be included in the Plan.
16. The requirement is different for infrastructure projects: Certified persons for primary permittees shall conduct inspections at least once every fourteen (14) calendar days and within 24 hours of the end of the storm that is 0.2 inches rainfall or greater in accordance with Section IV.D.4.a.(5)(a) - (c) of this permit.

Effective January 1, 2018

CAUTION: THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S 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 LESSES THAT OCCUR FROM DAMAGES TO THE EXISTING UTILITIES.

CERTIFIED PERSON: REBECCA R. KIRK, ASLA LEVEL II CERTIFIED DESIGN PROFESSIONAL CERTIFICATION #: 0000011006 ISSUED: 06/18/2018 EXPIRES: 05/18/2021

SA&E PROJECT NUMBER 01-615-057 BID PACKAGE/PHASING BP-1 ISSUED FOR CONSTRUCTION 10/15/2019 Southern A&E L.L.C. 7951 Troup Circle Austell, Ga 30168 (770) 819-7777

ADD ALTERNATE #1 BOARD OF EDUCATION OFFICE FOR: HEARD COUNTY SCHOOL 4647 PEA RIDGE ROAD, FRANKLIN, GA 30127 HEARD COUNTY SCHOOL SYSTEM FRANKLIN, GEORGIA

EROSION CONTROL NOTES DRAWING NUMBER C202

Order Plans