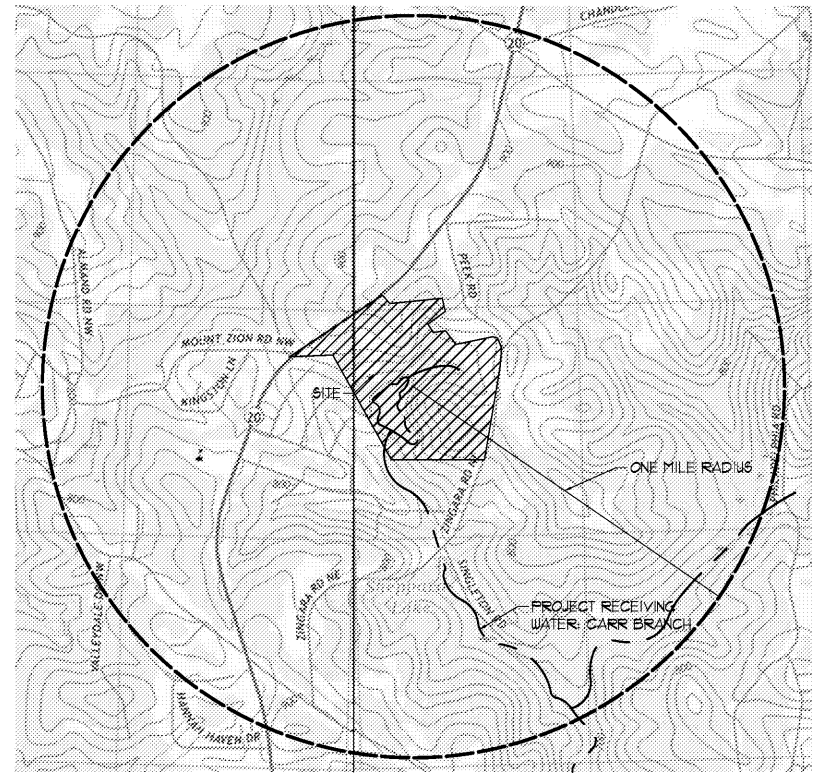


N.P.D.E.S. IMPAIRED STREAM MAP (1 MILE RADIUS FROM SITE LIMITS)



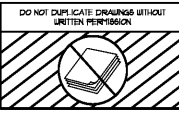
GEORGIA UNIFORM CODING SYSTEM FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES
GEORGIA SOIL AND WATER CONSERVATION COMMISSION

STRUCTURAL PRACTICES

CODE	PRACTICE	MAP SYMBOL
Cd	DEQDAM	[Symbol]
Ch	CHANNEL STABILIZATION	[Symbol]
Co	CONSTRUCTION EXIT	[Symbol]
Cr	CONSTRUCTION ROAD STABILIZATION	[Symbol]
Dc	STREAM DIVERSION CHANNEL	[Symbol]
Di	DIVERSION	[Symbol]
Dn1	TEMPORARY DOWNSTREAM STRUCTURE	[Symbol]
Dn2	PERMANENT DOWNSTREAM STRUCTURE	[Symbol]
Fr	FILTER RING	[Symbol]
Ga	GABION	[Symbol]
Gr	GRADE STABILIZATION STRUCTURE	[Symbol]
Lv	LEVEL SPREADER	[Symbol]
Rd	ROCK FILTER DAM	[Symbol]
Re	RETAINING WALL	[Symbol]
Rt	RETRO FITTING	[Symbol]
Sd1	SEDIMENT BARRIER	[Symbol]
Sd2	INLET SEDIMENT BASIN	[Symbol]
Sd3	TEMPORARY SEDIMENT BASIN	[Symbol]
Sd4	TEMPORARY SEDIMENT TRAP	[Symbol]
Sk	FLOODING SURFACE SKIMMER	[Symbol]
Spb	SEEP BERM	[Symbol]

VEGETATIVE PRACTICES

CODE	PRACTICE	MAP SYMBOL
Sr	TEMPORARY STREAM CROSSING	[Symbol]
St	STORMDRAIN OUTLET PROTECTION	[Symbol]
Su	SURFACE ROUGHENING	[Symbol]
Tc	TURBIDITY CURTAIN	[Symbol]
Tp	TOPSOILING	[Symbol]
Tr	TREE PROTECTION	[Symbol]
Wl	VEGETATED WATERWAY OR STORMDRAIN CONVEYANCE CHANNEL	[Symbol]



REVISIONS / PRINTED

REV. NO.	DATE	REMARKS
1	04/05/19	GDCE PRELIMINARY
2	08/09/19	B18L PACKAGE
3	08/16/19	GDCE CHECK SET

PROJECT SUMMARY

INSTRUCTIONAL UNITS	REGULAR CLASSROOMS	REGULAR CLASSTIME	PHYSICAL EDUCATION	ART	TOTAL
45	45	45	1	1	51

PROJECT SUMMARY

BUILDING AREA	LEVEL 01	LEVEL 02	TOTAL	COVERED AREAS (IE CANOPIES)	COVERED AREAS (IE BY2)	TOTAL
71,159 SF	71,159 SF	0 SF	71,159 SF	5,186 SF	0 SF	76,345 SF

APPENDIX 1

THE ES&PC 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 WHICH EPC HAS APPROVED IN WRITING A REQUEST TO DISTURB SO MUCH OR MORE AT ANY ONE TIME.

Plan #	Included	Notes
1	Y	During construction activities, double the width of the 25 foot undisturbed vegetative buffer along all State waters requiring a buffer and the 50 foot undisturbed vegetative buffer along all State waters classified as "trout streams" requiring a buffer. During construction activities, EPC will not grant variances to any such buffers that are increased in width.
2	Y	Increase all temporary sediment basins and retrofitted storm water management basins to provide sediment storage of at least 3600 cubic feet (34 cubic yards) per acre drained.
3	Y	Use baffles in all temporary sediment basins and retrofitted storm water management basins to at least double the conventional flow path length to the outlet structure.
4	Y	A large sign (minimum 4 feet x 8 feet) must be posted on site by the actual start date of construction. The sign must be visible from a public roadway. The sign must identify the following: (1) construction site, (2) the permittee(s), (3) the contact person(s) and telephone number(s), and (4) the permittee website where the Plan can be viewed. Must be provided on site and the Plan must be available on the provided website until a NOT has been submitted.
5	Y	Use flocculants or coagulants and/or mulch to stabilize areas left disturbed for more than seven (7) calendar days in accordance with Section III, D.1. of the NPDES Permit.
6	Y	Conduct turbidity sampling after every rain event of 0.5 inch or greater within any 24 hour period, recognizing the exceptions specified in Section IV, D.4.d. of the NPDES Permit.
7	Y	Comply with the applicable end-of-pipe turbidity effluent limit, without the "BMP defense" as provided for in O.C.G.A. 12-7-6 (a)(1).
8	Y	Reduce the total planned site disturbance to less than 50% impervious surfaces (excluding any State-mandated buffer areas from such calculations). All calculations must be included on the Plan.
9	Y	Limit the amount of disturbed area at any one time to no greater than 25 acres or 50% of the total planned site, whichever is less. All calculations must be included on the Plan.
10	Y	Use "Dirt It" techniques available on the EPC website to model and manage construction storm water runoff (including sheet flow). All calculations must be included on the Plan. (http://epc.georgia.gov/erosion-and-sedimentation)
11	Y	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.
12	Y	Use mulch filter berms, in addition to a silt fence, on the site perimeter wherever construction storm water (including sheet flow) may be discharged. Mulch filter berms cannot be placed in waterways or areas of concentrated flow.
13	Y	Use appropriate erosion control slope stabilization instead of concrete in all construction storm water ditches and storm drainages designed for a 25-year, 24-hour rainfall event.
14	Y	Use flocculants or coagulants under a passive dosing method (e.g., flocculant blocks) within construction storm water ditches and storm drainages that feed into temporary sediment basins and retrofitted management basins.
15	Y	Install seed for a minimum 20 foot width (in lieu of seeding) after final grade has been achieved, along the site perimeter wherever storm water (including sheet flow) may be discharged.
16	Y	Conduct soil tests to identify and to implement site-specific fertilizer needs.
17	Y	Certified personnel for primary permits shall conduct inspections at least twice every seven (7) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with Section IV, D.4.a.(3)(a) - (c), secondary permits, Section IV, D.4.b.(3)(a) - (c), and tertiary permits Section IV, D.4.c.(3)(a) - (c).
18	Y	Apply the appropriate compost blankets (minimum depth 1.5 inches) to protect soil surfaces until vegetation is established during the final stabilization phase of construction activity.
19	Y	Use alternative BMPs whose performance has been documented to be superior to conventional BMPs as certified by a Design Professional (unless disapproved EPC or the Georgia Soil and Water Conservation Commission). (If using this item please refer to the Alternative BMP guidance document found at www.gswcc.ga.gov)
20	Y	* This requirement is different for infrastructure projects. Certified personnel for primary permits shall conduct inspections at least once every fourteen (14) calendar days within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with Section IV, D.4.a.(3)(a) - (c) of the permit.
21	Y	Limit the total planned site disturbance to less than 10% impervious surfaces (excluding any State-mandated buffer areas from such calculations). All calculations must be included in the Plan.
22	Y	Conduct inspections during the intermediate grading and drainage BMP phase and during the final BMP phase of the project. The design professional who prepared the Plan in accordance with Section IV, A.5. of the permit. The Plan must include a statement that the primary permittee must obtain the design professional who prepared the Plan's approval to implement the drainage BMP phase and during the final BMP phase.
23	Y	Install Post Construction BMPs (e.g., runoff reduction BMPs) which remove 80% TSS as outlined in the Georgia Stormwater Management Manual known as the Blue Book or an equivalent or more stringent design manual.

IMPAIRED STREAM SEGMENT (2)

THIS SITE WILL NOT DISCHARGE STORM WATER FROM ANY CONSTRUCTION ACTIVITY TO AN IMPAIRED STREAM SEGMENT, OR WITHIN 1 LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS ANY PORTION OF A DESIGNATED IMPAIRED STREAM SEGMENT.

IF ANY STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITIES IS DISCHARGED INTO AN IMPAIRED STREAM SEGMENT THAT HAS BEEN LISTED FOR THE CRITERIA VIOLATED, BIO 11 (PREPARED FISH COMMUNITY) AND / OR BIO 11 (PREPARED MACROINVERTEBRATE COMMUNITY) WITHIN CATEGORY 4A, 4B, OR 5, AND THE POTENTIAL CAUSE IS EITHER NON-POINT SOURCE OR VERY URBAN RAINFALL, THE ES&PC PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE BMPs LISTED IN PART II (C) (4) THROUGH (7) OF THE PERMIT.

SEE APPENDIX 1 INCLUDED WITH THESE PLANS FOR FOUR (4) ADDITIONAL BMPs TO BE IMPLEMENTED WITH THIS PROJECT.

THE NEAREST IMPAIRED STREAM DOWNSTREAM OF THE PROJECT SITE IS THE CARR BRANCH AND THE CAUSE IS BIO 11.

GSWCC LEVEL II CERTIFICATIONS

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

I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND BEST MANAGEMENT PRACTICES PLAN PROVIDED FOR AN APPROPRIATE AND COMPREHENSIVE BEST MANAGEMENT PRACTICES PLAN PREPARED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENTATION OF EROSION AND SEDIMENT CONTROL IN GEORGIA MANUAL PREPARED BY THE SOIL AND WATER CONSERVATION COMMISSION AS OF THE PERMITTEE'S DATE OF THE PERMIT. THE LAND-DISTURBING ACTIVITY WAS PERMITTED PROVIDER FOR THE PERMIT AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND STORMWATER METHODS IS DESIGNED TO MEET THE REQUIREMENTS OF THE PERMIT. NO GAR 100000.

SIGNED: [Signature] DATE: 08-09-2019

CERTIFIED DESIGN PROFESSIONAL: MICHAEL B. BREEDLOVE
GSWCC CERTIFICATION NO. 19-0000000000
EXPIRATION DATE: 01-31-2020
COUNTY: BREEDLOVE LAND PLANNING, INC.

BMPs FOR IMPAIRED STREAM (2)

B. INCREASE ALL TEMPORARY SEDIMENT BASINS AND RETROFITTED STORM WATER MANAGEMENT BASINS TO PROVIDE SEDIMENT STORAGE OF AT LEAST 3600 CUBIC FEET (34 CUBIC YARDS) PER ACRE DRAINED.

D. A LARGE SIGN (MINIMUM 4 FEET X 8 FEET) MUST BE POSTED ON SITE BY THE ACTUAL START DATE OF CONSTRUCTION. THE SIGN MUST IDENTIFY THE FOLLOWING: (1) CONSTRUCTION SITE, (2) THE PERMITTEE(S), (3) THE CONTACT PERSON(S) AND TELEPHONE NUMBER(S), AND (4) THE PERMITTEE'S WEBSITE WHERE THE PLAN CAN BE VIEWED. MUST BE PROVIDED ON SITE AND THE PLAN MUST BE AVAILABLE ON THE PROVIDED WEBSITE UNTIL A NOT HAS BEEN SUBMITTED.

M. USE FLOCCULANTS OR COAGULANTS UNDER A PASSIVE DOSING METHOD (E.G., FLOCCULANT BLOCKS) WITHIN CONSTRUCTION STORM WATER DITCHES AND STORM DRAINAGES THAT FEED INTO TEMPORARY SEDIMENT BASINS AND RETROFITTED MANAGEMENT BASINS.

N. USE SEED FOR A MINIMUM 20 FOOT WIDTH (IN LIEU OF SEEDING) AFTER FINAL GRADE HAS BEEN ACHIEVED, ALONG THE SITE PERIMETER WHEREVER STORM WATER (INCLUDING SHEET FLOW) MAY BE DISCHARGED.

GSWCC CHECKLIST LEGEND

(1) GSWCC CHECKLIST ITEM NUMBER

TMDL IMPLEMENTATION PLAN (2)

A TMDL IMPLEMENTATION PLAN HAS (1) BEEN FINALIZED FOR THE IMPAIRED STREAM SEGMENT (CERTIFIED IN CHECKLIST ITEM 22) AT LEAST 60 MONTHS PRIOR TO SUBMITTAL OF NOTICE OF INTENT.

THE ES&PC PLAN MUST ADDRESS ANY SITE-SPECIFIC CONDITIONS OR REQUIREMENTS INCLUDED IN THE TMDL IMPLEMENTATION PLAN.

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ES&PC DESIGN PROFESSIONAL'S CERTIFICATION STATEMENT

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

SIGNED: [Signature] DATE: 08-09-2019

CERTIFIED DESIGN PROFESSIONAL: MICHAEL B. BREEDLOVE
GSWCC CERTIFICATION NO. 19-0000000000
EXPIRATION DATE: 01-31-2020
BREEDLOVE LAND PLANNING, INC.

24-HR CONTACT INFORMATION

BRUCE STUART
OWNER/PRIMARY PERMITTEE
ROCKDALE CO. PUBLIC SCHOOLS
678-873-7942

Smallwood, Reynolds, Stewart & Associates, Inc. Architects

NPDES NOTES

J.H. HOUSE ELEMENTARY SCHOOL
3100 Zingira Road NE, Conyers, GA 30012

DATE: _____

JOB NO. **218036.00**

SHEET NO. _____

C405

ISSUED FOR CONSTRUCTION