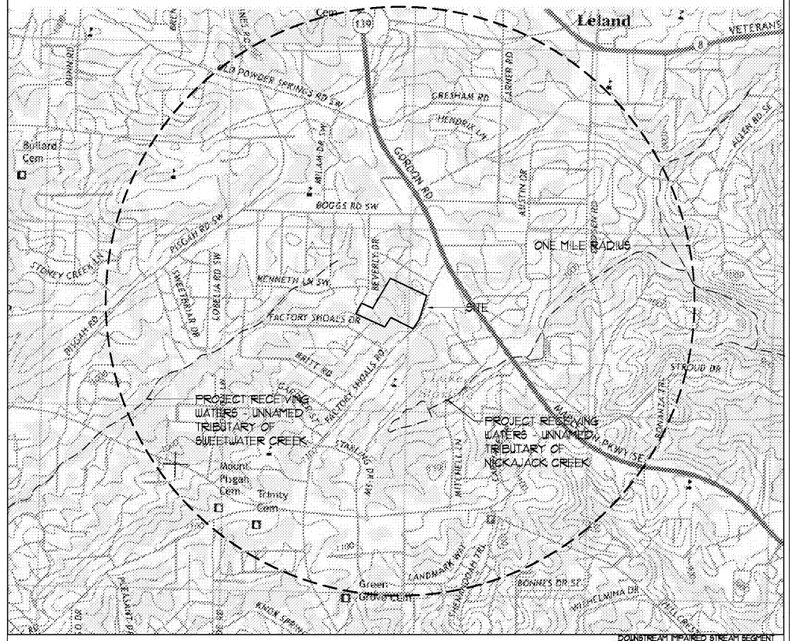
N.P.D.E.S. IMPAIRED STREAM MAP (1 MILE RADIUS FROM SITE LIMITS)



MAP TAKEN FROM U.S.G.S. MABLETON, GA QUADRANGLE DATED 2011

NORTH SCALE: 1"=1000'

THIS SITE DOES (DOES NOT) FALL WITHIN THE GA EPD NPDES PERMIT WATERSHED LIMITS OF: 1) AN IMPAIRED STREAM(S) FOR "BIO M" OR "BIO P" - CATEGORIES 4a, 4b, OR 5 WITH POTENTIAL CAUSE OF EITHER "NP" OR UNK

OR

2) STREAM(S) WITH A FINALIZED TMDL PLAN FOR SEDIMENT

EROSION CONTROL GENERAL NOTES

1. NOTIFY CITY/COUNTY INSPECTORS 24 HOURS BEFORE BEGINNING OF EVERY CONSTRUCTION PHASE.
2. ALL BUFFERS AND TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED BY FLAGGING AND/OR FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE.
3. THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES AND CONSTRUCTION ON THE SITE AND MAINTAINED UNTIL PERMANENT GROUNDCOVER IS ESTABLISHED.
4. ALL SEDIMENT BARRIERS SHALL BE INSTALLED PRIOR TO ANY GRADING.
5. SEDIMENT BARRIER DEVICES SHALL BE INSPECTED AND REPAIRED OF DAMAGE DAILY. ANY ACCUMULATED SEDIMENT SHALL BE REMOVED AND SPREAD ON SITE.
6. ALL DISTURBED AREAS SHALL BE GRASSED OR SODDED AS CONSTRUCTION PHASE PERMITS.
7. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION OR AS REQUIRED BY COUNTY.
8. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
9. ANY DISCREPANCY BETWEEN THIS SHEET AND OTHERS IN THIS SET SHALL BE REFERRED TO THE ARCHITECT BY THE CONTRACTOR FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
10. SEDIMENT STORAGE LEVEL MARKERS MUST BE INSTALLED IN SEDIMENT STORAGE STRUCTURES, INDICATING THE 1/3 FULL VOLUME.
11. MAXIMUM CUT OR FILL SLOPE IS (2):1 HORIZONTAL TO 1 VERTICAL.
12. CONTRACTOR SHALL PROVIDE TEMPORARY DOWN DRAINS ON FILL SLOPES TO PREVENT EROSION PRIOR TO STABILIZATION.
13. CONTRACTOR SHALL REMOVE ACCUMULATED SEDIMENT FROM DETENTION BASIN AT END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN FULLY STABILIZED.
14. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
15. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PRECLUDE THE USE OF EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS DICTATE DURING THE DEVELOPMENT PERIOD.
16. ANY DISTURBED AREA LEFT EXPOSED LONGER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING. (12)

HYDROSEEDING NOTE

ALL MAIN AREAS SHALL BE SEEDED WITH KENTUCKY 31 FESCUE (TEMPORARY) OR HULLED BERMUDA (PERMANENT). APPLY SEEDS AT THE RATE OF FIVE (5) POUNDS PER ONE THOUSAND (1000) SQUARE FEET. APPLY FERTILIZER AT THE RATE OF TWO (2) POUNDS PER ONE THOUSAND (1000) SQUARE FEET. ALL DESIGNATED AREAS SHALL BE HYDROSEEDED. AREAS WHICH HAVE BEEN PREPARED FOR SEEDING UNLESS PLANS SPECIFY OTHERWISE: HYDROFOLIO 1000 (OR APPROVED EQUAL) MANUFACTURED BY PROFILE PRODUCTS CO. SHALL BE APPLIED AT THE RATE OF ONE THOUSAND FIVE HUNDRED (1500) POUNDS PER ACRE ON FLAT AREAS, TWO THOUSAND (2000) POUNDS PER ACRE ON SLOPES UP TO (3):1 HORIZONTAL TO 1 VERTICAL, AND TWO THOUSAND FIVE HUNDRED (2500) POUNDS PER ACRE ON SLOPES GREATER THAN 3:1 TO 1. APPLY SEED, FERTILIZER, LIME, AND MULCH IN ONE OPERATION. EXISTING TREES AND SHRUBS IN HYDRO-SEEDED AREA SHALL BE PROTECTED DURING HYDROSEEDING.

PRIMARY PERMITTEE/ 24 HR CONTACT (4)(5)

COBB COUNTY SCHOOL DISTRICT
449 GLOVER ST
MARIETTA, GA 30060
CONTACT: MR. TREY MORRIS
PHONE: 770-499-5864

GEORGIA UNIFORM CODING SYSTEM FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES

GEORGIA SOIL AND WATER CONSERVATION COMMISSION

STRUCTURAL PRACTICES

CODE	PRACTICE	MAP SYMBOL	CODE	PRACTICE	MAP SYMBOL
Cd	DITCHDAM		Sr	TEMPORARY STREAM CROSSING	
Ch	CHANNEL STABILIZATION		St	STORMDRAIN OUTLET PROTECTION	
Co	CONSTRUCTION EXIT		Su	SURFACE ROUGHENING	
Cr	CONSTRUCTION ROAD STABILIZATION		Tc	TURBIDITY CURTAIN	
Dc	STREAM DIVERSION CHANNEL		Tp	TOPSOILING	
Di	DIVERSION		Tr	TREE PROTECTION	
Dn1	TEMPORARY DOWNDRAIN STRUCTURE		Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE CHANNEL	
Dn2	PERMANENT DOWNDRAIN STRUCTURE				
Fr	FILTER RING				
Ga	GABION				
Gr	GRADE STABILIZATION STRUCTURE				
Lv	LEVEL SPREADER				
Rd	RIPRAP				
Re	RETAINING WALL				
Rt	RETAINER				
Sd1	SEDIMENT BARRIER				
Sd2	INLET SEDIMENT TRAP				
Sd3	TEMPORARY SEDIMENT BASIN				
Sd4	TEMPORARY SEDIMENT TRAP				
Sk	FLOATING SURFACE SKIMMER				
Spb	SEEP BERM				

VEGETATIVE PRACTICES

CODE	PRACTICE	MAP SYMBOL	CODE	PRACTICE	MAP SYMBOL
Bf	BUFFER ZONE				
Ds	DUST STABILIZATION (TEMPORARY)				
Ds1	DISTURBED AREA STABILIZATION (WITHOUT MULCHING)	Ds1			
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	Ds2			
Ds3	DISTURBED AREA STABILIZATION (WITH PERM. SEEDING)	Ds3			
Ds4	DISTURBED AREA STABILIZATION (SODDING)	Ds4			
Du	DUST CONTROL ON DISTURBED AREAS	Du			
Fl-Cd	FLOCCULANTS AND COAGULANTS	Fl-Cd			
Sb	STREAMBANK STABILIZATION (DURING PERM. VEGETATION)	Sb			
Ss	SLOPE STABILIZATION	Ss			
Tac	TACKIFIERS AND BINDERS	Tac			

SOILS LEGEND (10)

TYPE	DESCRIPTION
[illegible]	[illegible]

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST

STAND ALONE CONSTRUCTION PROJECTS

SWCD: COBB COUNTY SWCD

Project Name: HARMONY LELAND-CLAY ES | Address: 6326 FACTORY SHOALS RD, SW MABLETON, GA 30126

City/County: COBB COUNTY | Date on Plans: AUGUST 1, 2018

TO BE SHOWN ON ES&PC PLAN

Plan Page #	Included Y/N		
C4.03	YES	1	The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted.
ALL ESPC	YES	2	Level II certification issued by the Commission, signature and seal of the certified design professional.
N/A	N/A	3	Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the EPD District Office. If EPD approves the request to disturb 50 acres or more at any one time, the plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist.*
C000	YES	4	The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
C000	YES	5	Provide the name, address and phone number of project permittee.
C000, C4.1-4.4	YES	6	Note total and disturbed acreage of the project or phase under construction.
C4.1	YES	7	Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
C4.03	YES	8	Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
C4.0	YES	9	Description of the nature of construction activity.
C000	YES	10	Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
C4.0 C4.03	YES	11	Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
ALL ESPC	YES	12	Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on page 15 of the permit.
C4.0	YES	13	Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on page 15 of the permit.*
C4.1	YES	14	Clearly note the statement that "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."*
C4.1-4.4	YES	15	Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 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."
NA	NA	16	Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
C4.1-4.4	YES	17	Clearly note the statement that "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."*
C4.1-4.4	YES	18	Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a section 404 permit."*
C4.1-4.4	YES	19	Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."*
C4.1-4.4	YES	20	Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."*
C4.1-4.4	YES	21	Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
C4.03	N/A	22	Any construction activity which discharges storm water into an Impaired Stream Segment, within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C. of the Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.*
NA	NA	23	If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.*
C4.1	YES	24	BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.*
C4.1	YES	25	Provide BMPs for the remediation of all petroleum spills and leaks.
C4.2	YES	26	Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.*
C4.2	YES	27	Description of the practices that will be used to reduce the pollutants in storm water discharges.*
C0.0	YES	28	Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
C4.0	YES	29	Provide complete requirements of inspections and record keeping by the primary permittee.*
C4.0	YES	30	Provide complete requirements of sampling frequency and reporting of sampling results.*
C4.03	YES	31	Provide complete details for retention of records as per Part IV.F. of the permit.*
C4.0	YES	32	Description of analytical methods to be used to collect and analyze the samples from each location
C4.0	YES	33	Appendix B rationale for NTU values at all outfall sampling points where applicable.*
C4.1-4.4	YES	34	Delineate all sampling locations, perennial and intermittent streams and other water bodies into which stormwater is discharged.*
C4.10-4.4	YES	35	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, BMPs. For construction sites where there will be no mass grading, the initial perimeter control BMPs, intermediate grading drainage BMPs, and final BMPs are the same, the plan may combine the BMPs into a single phase.*
ALL ESPC	YES	36	Graphic scale and North arrow.
ALL ESPC C3D0	YES	37	Existing and proposed contour lines with adequate detail shown at an interval sufficient to show the following:
N/A	N/A	38	Use of alternative BMPs or approaches to those specified in the Manual for Erosion & Sediment Control in Georgia 2016 Edition.
N/A	N/A	39	Delineation of 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
N/A	N/A	41	Delineation of on-site waters, including wetlands and all state waters located on and within 200 feet of the project site.
HYD80	HYD80	42	Delineation and acreage of contributing drainage basins on the project site.
HYD80	HYD80	43	Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions.*
C4.10 C4.11	YES	44	An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
C4.1-4.4 LOCATIONS C4.5-4.5	YES	45	Storm drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
C4.0	YES	46	Soil series for the project site and their delineation.
C4.0	YES	47	The limits of disturbance for each phase of construction.
C4.1-4.4	YES	48	Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets for the Manual-included for structural BMPs and all calculations used by the storage design professional to obtain the required sediment when using equivalent controls. When discharging from sediment basins and impoundments, permitees are required to utilize outlet structures that withdraw water from sediment basins and impoundments, permitees 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.
ALL ESPC	YES	49	Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
C4.5	YES	50	Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
C4.4-4.5	YES	51	Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of the year that seeding will take place and for the appropriate geographic region of Georgia.

*If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the * checklist items would be N/A.

Effective January 1, 2018

ES&PC REVISIONS

DATE	NO.	DESCRIPTION
10/22/2018	1	EPD RE-SUBMISSION

ES&PC DESIGN PROFESSIONAL'S CERTIFICATION STATEMENT

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. (2)(12)

SIGNED: SIGNATURE DATE: 7-11-2018

CERTIFIED DESIGN PROFESSIONAL: LEVEL II DESIGNER
ASSOCIATION/CERTIFICATION NO. 000000001969
EXPIRATION DATE: 8-31-2018
BREEDLOVE LAND PLANNING, INC.

SOILS MAP (10)

NOT TO SCALE

GSWCC CHECKLIST LEGEND

GSWCC CHECKLIST ITEM NUMBER (10)

DRAWING ISSUE RECORD

DATE:	REVISIONS:	NO.
11-1-18	ISSUE TO BID	

NPDES GENERAL NOTES AND REQUIREMENTS

HARMONY LELAND REPLACEMENT ELEMENTARY SCHOOL

6326 FACTORY SHOALS RD SW
MABLETON, GA 30126
FOR COBB COUNTY SCHOOL DISTRICT
COBB COUNTY, GEORGIA
CCSD PROJECT NO. A0224 / DOE FACILITY CODE

DATE: 2018-08-01 | JOB NO.: SHL-C027-18 | DWG. BY: CD | CHK. BY: TB

C4.05

cunningham, forehand, matthews & moore, architects, inc. - 2011 manchester street, n.e. - atlanta, georgia 30324 - phone (404) 873-2152

cunningham forehand matthews moore.com
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