



PROJECT AREA 1

PROJECT AREA 2

**FINAL EROSION CONTROL PHASE SUMMARY**

- REQUIRED NOTES**
- The design professional who prepared the ES&PC Plan is to inspect the installation of all erosion control measures and permanent BMPs within 7 days after installation.
  - Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of greatest disturbance or within 25 feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits.
  - Amendments to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional.
  - Waste materials shall not be discharged to waters of the State, except as authorized by a section 404 permit.
  - 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.
  - Erosion control measures will be maintained at all times during implementation of the approved plan and until the site is stabilized with permanent vegetation.
  - Disturbed areas left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding.

**ES&PC DESIGN PROFESSIONAL CERTIFICATION STATEMENT**

I, the undersigned, a duly Licensed Professional Engineer in the State of Georgia, certify that I am the design professional who prepared the ES&PC Plan for the project described herein. I am duly Licensed Professional Engineer, No. 26026, State of Georgia, and I am duly Licensed Professional Engineer, No. 26026, State of Georgia, and I am duly Licensed Professional Engineer, No. 26026, State of Georgia.

SIGNED: *[Signature]* DATE: 09/26/2018

CERTIFIED DESIGN PROFESSIONAL: KATHRYN A. MEDINA  
 GEORGIA PROFESSIONAL ENGINEER NO. 26026  
 EXPIRES ON DATE: 04-14-2020  
 BREEDLOVE LAND PLANNING, INC.

**EROSION CONTROL NOTES**

- NOTIFY CITY/COUNTY INSPECTORS 24 HOURS BEFORE BEGINNING OF EVERY CONSTRUCTION PHASE.
- ALL BUFFERS AND TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED BY FLAGGING AND/OR FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBING ACTIVITIES.
- 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 VEGETATION IS ESTABLISHED.
- ALL SEDIMENT BARRIERS SHALL BE INSPECTED PRIOR TO ANY CONSTRUCTION PHASE PERMITS.
- SEDIMENT BARRIER DEVICES SHALL BE INSPECTED AND REPAIRED OR DAMAGED DAILY. ANY ACCUMULATED SEDIMENT SHALL BE REMOVED AND SPILLED ON SITE.
- ALL DISTURBED AREAS SHALL BE GRASSED AS SOON AS CONSTRUCTION PHASE PERMITS.
- EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION OR AS REQUIRED BY COUNTY.
- MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 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.
- SEDIMENT STORAGE LEVEL MARKERS MUST BE INSTALLED IN SEDIMENT STORAGE STRUCTURES, INDICATING THE 1/3 FULL VOLUME.
- MAXIMUM CUT OR FILL SLOPE IS (2:1) HORIZONTAL TO 1 VERTICAL.
- CONTRACTOR SHALL PROVIDE TEMPORARY DOUG DRAINS ON FILL SLOPES TO PREVENT EROSION PRIOR TO STABILIZATION.
- CONTRACTOR SHALL REMOVE ACCUMULATED SEDIMENT FROM DETENTION BASIN AT END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN FULLY STABILIZED.

**EROSION CONTROL GENERAL NOTES**

- NOTIFY CITY/COUNTY INSPECTORS 24 HOURS BEFORE BEGINNING OF EVERY CONSTRUCTION PHASE.
- ALL BUFFERS AND TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED BY FLAGGING AND/OR FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBING ACTIVITIES.
- 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 VEGETATION IS ESTABLISHED.
- ALL SEDIMENT BARRIERS SHALL BE INSPECTED PRIOR TO ANY CONSTRUCTION PHASE PERMITS.
- SEDIMENT BARRIER DEVICES SHALL BE INSPECTED AND REPAIRED OR DAMAGED DAILY. ANY ACCUMULATED SEDIMENT SHALL BE REMOVED AND SPILLED ON SITE.
- ALL DISTURBED AREAS SHALL BE GRASSED AS SOON AS CONSTRUCTION PHASE PERMITS.
- EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION OR AS REQUIRED BY COUNTY.
- MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 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.
- SEDIMENT STORAGE LEVEL MARKERS MUST BE INSTALLED IN SEDIMENT STORAGE STRUCTURES, INDICATING THE 1/3 FULL VOLUME.
- MAXIMUM CUT OR FILL SLOPE IS (2:1) HORIZONTAL TO 1 VERTICAL.
- CONTRACTOR SHALL PROVIDE TEMPORARY DOUG DRAINS ON FILL SLOPES TO PREVENT EROSION PRIOR TO STABILIZATION.
- CONTRACTOR SHALL REMOVE ACCUMULATED SEDIMENT FROM DETENTION BASIN AT END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN FULLY STABILIZED.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
- EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. IF FULL PERFORMANCES OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
- ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

**GEORGIA UNIFORM CODING SYSTEM FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES**

GEORGIA SOIL AND WATER CONSERVATION COMMISSION

STRUCTURAL PRACTICES

CODE	PRACTICE	MAP SYMBOL
Cd	DIKE/DAM	[Symbol]
Ch	CHANNEL STABILIZATION	[Symbol]
Co	CONSTRUCTION EXIT	[Symbol]
Cr	CONSTRUCTION STABILIZATION	[Symbol]
Dc	STREAM DIVERSION CHANNEL	[Symbol]
Di	DIVERSION	[Symbol]
Dn1	TEMPORARY DOWNDRAIN STRUCTURE	[Symbol]
Dn2	PERMANENT DOWNDRAIN 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 TRAP	[Symbol]
Sd3	TEMPORARY SEDIMENT BASIN	[Symbol]
Sd4	TEMPORARY SEDIMENT TRAP	[Symbol]
Sk	FLATING SURFACE SKIMMER	[Symbol]
Spb	STEP BERM	[Symbol]

CODE	PRACTICE	MAP SYMBOL
Sr	TEMPORARY STREAM CROSSING	[Symbol]
St	STORMWATER OUTLET PROTECTION	[Symbol]
Su	SURFACE ROUGHENING	[Symbol]
Tc	TURBIDITY CURTAIN	[Symbol]
Tp	TOPDRESSING	[Symbol]
Tr	TREE PROTECTION	[Symbol]
Wt	VEGETATED WATERWAY OR CONDUIT/CHANNEL	[Symbol]

**VEGETATIVE PRACTICES**

CODE	PRACTICE	MAP SYMBOL
Bf	BUFFER ZONE	[Symbol]
Cs	COASTAL DUNE STABILIZATION (WITH MULCHING ONLY)	[Symbol]
Ds1	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)	[Symbol]
Ds2	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)	[Symbol]
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)	[Symbol]
Ds4	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)	[Symbol]
Du	DUST CONTROL ON DISTURBED AREAS	[Symbol]
FlCo	FLUCCULANTS AND COAGULANTS	[Symbol]
Sb	STREAMBANK STABILIZATION (WITH PERM VEGETATION)	[Symbol]
Ss	SLOPE STABILIZATION	[Symbol]
Tac	TACKERS AND INERTS	[Symbol]

**HYDROLOGY STATEMENT**

THIS PROJECT CONSTITUTES A MINOR DISTURBANCE TO THE EXISTING DRAINAGE PATTERN. A FULL HYDROLOGY STUDY IS NOT REQUIRED BECAUSE THE PROJECT IS MAINTAINING EXISTING PLAY FIELDS ARE BEING REPAIRED. ADDITIONAL IMPROVEMENTS ARE BEING MADE. THERE IS NO CHANGE IN THE PRE AND POST DISTURBANCE CHANGES. THE GRADING IS OCCURRING TO ALLEVATE DISTURBANCE TO EXISTING DRAINAGE PATTERNS. NO INCREASE IN RUNOFF OR CONCENTRATION WILL RESULT FROM THE WORK BEING DONE. THE SITE WORK WILL BE DONE IN SUCH A MANNER AS TO RESTORE THE ORIGINAL DRAINAGE PATTERN.

**WETLAND CERTIFICATION**

THE DESIGN PROFESSIONAL WHOSE SEAL APPEARS HEREON CERTIFIES THE FOLLOWING:

- THE NATIONAL WETLANDS INVENTORY MAPS HAVE BEEN CONSULTED.
- THE PROPERTY OWNER AND CONTRACTOR ARE BOTH RESPONSIBLE FOR ALL EROSION CONTROL ACTIVITIES.
- THE JURISDICTIONAL DETERMINATION MAPS HAVE BEEN CONSULTED.
- THE DESIGN PROFESSIONAL HAS BEEN ADVISED THAT THE LAND DISTURBANCE OF WETLANDS WILL NOT OCCUR WITHIN THE APPROPRIATE FEDERAL WETLAND DELIMITATION PERMITS HAVE BEEN OBTAINED.

**CITY OF ROSWELL ES&PC NOTES**

- IF APPLICABLE, THE CONTRACTOR/OPERATOR/OWNER UPON FILING THE NOT AND NOT FOR THE STATE UNDER CONSTRUCTION GENERAL PERMIT SHALL SUBMIT COPIES OF THE NOT AND NOT TO THE CITY ENGINEER ALONG WITH A COPY OF THE CERTIFIED FINAL RECEIPT.
- NOTICE IS HEREBY GIVEN THAT ALL EROSION AND SEDIMENT DEVICES AND PRACTICES MUST BE INSTALLED AND MAINTAINED AT ALL TIMES. NO FURTHER NOTICE WILL BE GIVEN ANY SITE UPON WHICH THE LAND DEVELOPMENT INSPECTOR FINDS A DEFICIENCY WILL BE SUBJECT TO AN IMMEDIATE ENFORCEMENT ACTION WITHOUT WARNING. ALL DEFICIENCY CORRECTIVE WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME AND ALL ROAD REOPENINGS HAVE BEEN PAID.
- PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES, THE LIMITS OF LAND DISTURBANCE SHOULD BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE SHALL OCCUR WITHIN THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS. NO CLEARING BEYOND THE LIMITS OF DISTURBANCE SHOWN ON THE APPROVED PLANS SHALL BE ALLOWED.
- NO LAND DISTURBING ACTIVITY OR STORAGE OF MATERIALS WITHIN ANY TREE SAVE AREA SHALL BE ALLOWED.
- THE PROPERTY OWNER AND CONTRACTOR ARE BOTH RESPONSIBLE FOR ALL EROSION CONTROL ACTIVITIES.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA AND ANY CABLES EXISTING THEREON ON THE SUBJECT SITE.
- A CONSTRUCTION SITE COPY OF THE EROSION SEDIMENT AND POLLUTION CONTROL PLAN MUST BE KEPT UP TO DATE. REVISIONS TO THE PLAN SHALL BE APPROVED BY THE CITY ENGINEER OR ASSIGNED PLAN REVIEWER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN QUALIFIED PROFESSIONAL ADVICE WHEN QUESTIONS CONCERNING DESIGN AND EFFECTIVENESS OF EROSION CONTROL DEVICES NOT THE CITY OF ROSWELL.
- EROSION CONTROL DEVICES THAT ARE INSTALLED AS DIRECTED BY THE LAND DEVELOPMENT INSPECTOR BUT NOT SHOWN ON THE APPROVED PLAN AND WHICH ALSO SUBSEQUENTLY FAIL ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKS OR FLOWS OF MUD ON THE PUBLIC RIGHT-OF-WAY OR PRIVATE ROADS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN-UP OF ANY STRUCTURES USED TO TEMPORARILY DIVERT ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLE ONTO PUBLIC PRIVATE ROADWAY OR INTO STORM DRAIN MUST BE REMOVED.
- TYPE 'C' SILT FENCE FABRIC SHALL BE COMPOSED OF A COMPOUND OF TRANSPARENT QUALIFIED PRODUCTS LIST (QPL) #4 FOR 18" HIGHER FABRIC, TYPE 'A' SILT FENCE FABRIC AND CONSTRUCTION MAY BE ALLOWED WITH PRIOR WRITTEN APPROVAL FROM THE LAND DEVELOPMENT INSPECTOR.
- SILT FENCES SHALL NOT BE PLACED IN SLOPE BUFFERS, FLOOD PLANS OR ACROSS AREAS OF CONCENTRATED FLOOD CHECK DAMS OR ROCK FILTER DAMS. AS APPROPRIATE ARE TO BE INSTALLED ACROSS AREAS OF CONCENTRATED FLOOD TOP SOIL SHALL BE STOCKPILED AND USED TO DRESS FINAL SLOPES.
- BELOW ALL FILL SLOPES GREATER THAN 1% AND HIGHER THAN 10 FEET, A FLAT AREA LENGTH OF 10 FEET BETWEEN THE TOE OF THE SLOPE TO THE FENCE SHALL BE PROVIDED.
- ALL OPEN DRAINAGE BARRIERS MUST BE GRASSED, AND REPAIR MUST BE PLACED AS REQUIRED TO CONTROL EROSION. A MINIMUM OF 10 SQUARE YARDS OF GRASS SHALL BE PLACED AT EACH END OF EACH BARRIER.
- PLAN REVISIONS WHICH INVOLVE A HYDRAULIC COMPONENT MUST BE REVIEWED BY THE DESIGN ENGINEER AND APPROVED BY THE CITY ENGINEER.
- WHEN FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED, PROTECTED AND SUPPLEMENTED. THE DISTURBED AREA AND THE DURATION OF EXPOSURE TO EROSION ELEMENTS SHALL BE KEPT TO A PRACTICABLE MINIMUM. DISTURBED SOIL SHALL BE STABILIZED AS QUICKLY AS PRACTICABLE. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
- TEMPORARY VEGETATION AND/OR SEEDING SHALL BE EMPLOYED TO PROTECT EXPOSED CRITICAL AREAS DURING DEVELOPMENT. IN NO CASE SHALL A CRITICAL AREA BE LEFT BARE FOR MORE THAN SEVEN (7) DAYS.
- ALL TEMPORARY AND PERMANENT SEEDING AT THE APPROPRIATE RATES, WITH MULCH SHALL NOT BE USED IN ANY SEEDING MIXTURES CONTAINING PERENNIAL SPECIES DUE TO ITS ABILITY TO OUT COMPETE DESIRED SPECIES CHOSEN FOR PERMANENT PERENNIAL COVER.
- ADDITIONAL PLANTINGS SHALL BE NECESSARY IF A SUFFICIENT STRIP OF GRASS FAILS TO GROW.
- THE LAND DEVELOPMENT INSPECTOR WILL DETERMINE THE ADEQUATE COVER OF NEW PLANTINGS.
- GRASSING EQUIPMENT MUST BE OPERATED BY MEANS OF EROSION OR CLEARING EQUIPMENT WHEN SUCH METHODS AREA NOT FEASIBLE. PROVIDED, IN ANY CASE, THAT SUCH OPERATIONS IS KEPT TO A MINIMUM.
- CONCENTRATED FLOOD PLANS SHALL BE OPERATED WITHIN A PERIOD OF TEN FEET OR GREATER, AND CUTS AND FILLS WITH STREAM BUFFERS SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING OR BLANKETS.
- ALL SLOPE STABILIZATION SHALL BE STABILIZED WITH MULCH OR SOIL REINFORCEMENT MATTING HIGHER THAN ALL SLOPES MUST BE PROTECTED UNTIL A PERMANENT VEGETATIVE STRIP IS ESTABLISHED.

**24-HOUR CONTACT**

**Doug Carey**  
 Fulton County Schools  
 careydf@fultonschools.org  
 404-391-2975

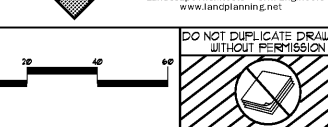
**PROJECT CONTACTS**

DEVELOPER/OWNER:  
 OPERATIONS CENTER  
 8201 POWERS FERRY RD.  
 ATLANTA, GA 30339  
 CONTACT: DOUG CAREY  
 PHONE: (404) 391-2975

LANDSCAPE ARCHITECT/PLANNING:  
 BREEDLOVE LAND PLANNING, INC.  
 15 SIMPSON ST NW  
 ATLANTA, GA 30308  
 CONTACT: CHRIS BROWN  
 EMAIL: CBROWN@LANDPLANNING.NET  
 PHONE: (478) 232-2245

**BREEDLOVE LAND PLANNING**

Landscape Architects • Civil Engineers  
 www.landplanning.net



**CAUTION**

THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE LANDSCAPE ARCHITECT ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF UTILITIES WITHIN THE LIMITS OF THE PROJECT. DAMAGE TO EXISTING UTILITIES BY THE CONTRACTOR FROM HIS/HER OPERATIONS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

**811** Know what's below. Call before you dig.

THROUGHOUT GEORGIA  
 811 OR 1-888-282-7461  
 MISSISSAUGA  
 EXISTING UTILITIES BY THE CONTRACTOR FROM HIS/HER OPERATIONS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

**CDH**  
 170 ALBANY RD. SUITE 3000  
 ROSWELL, GA 30076  
 WWW.CDHARCHITECTS.COM

**RIVER EVES ELEMENTARY SCHOOL - RENOVATIONS**

FULTON COUNTY SCHOOL SYSTEM  
 9000 EVES RD.  
 ROSWELL, GA 30076

PROJECT NO:  
 95% CD'S 08/07/2018  
 PERMIT SET 09/20/2018  
 95% CD'S 11/09/2018  
 LP RESUBMITTAL 11/09/2018  
 BID SET 12/03/2018

CONTRACT DOCUMENT ISSUED FOR CONSTRUCTION

SHEET TITLE  
 SITE ES&PC INITIAL PHASE PLANS

SHEET NUMBER  
**C310**