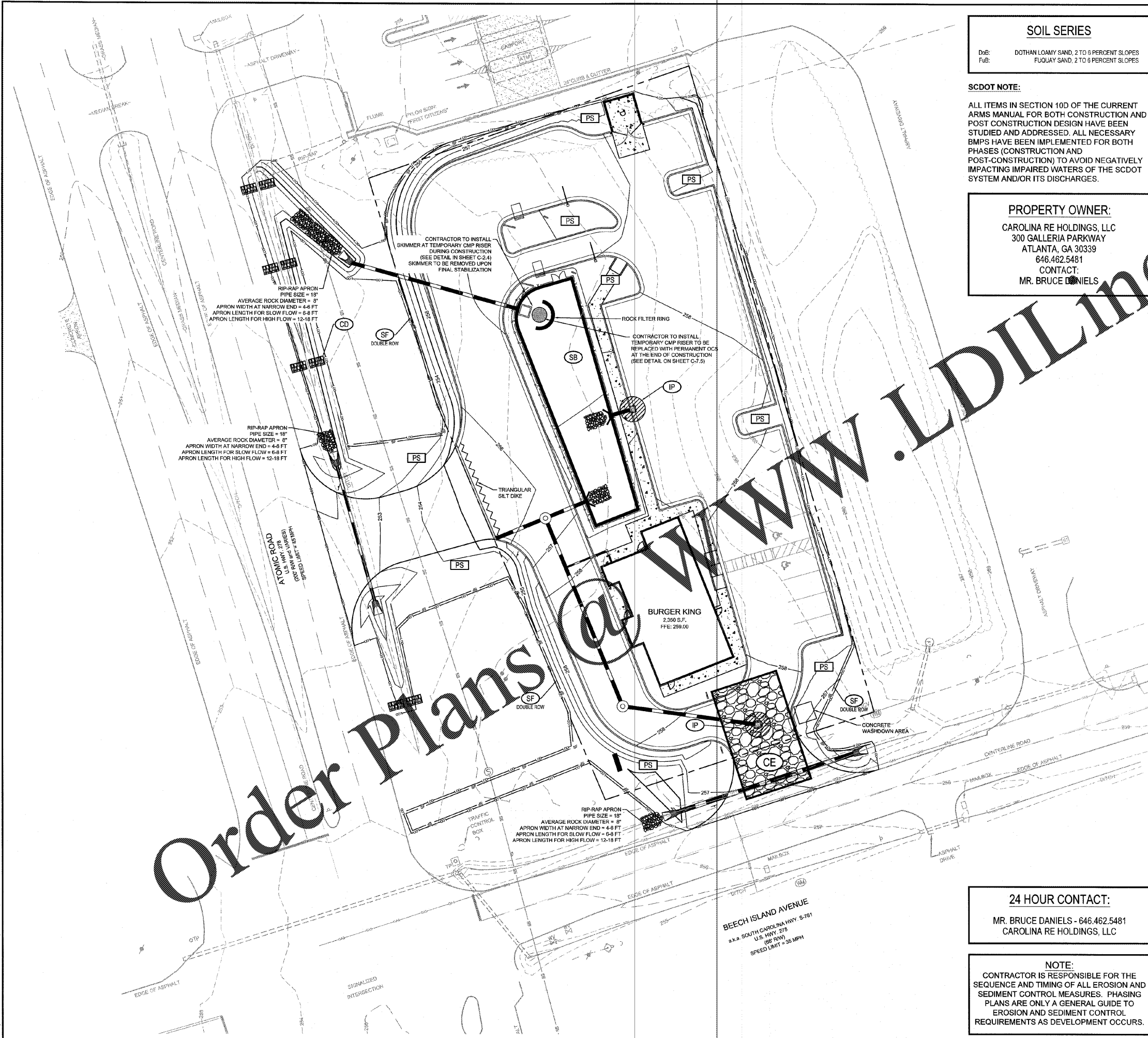


Drawing name: L:\2019004 - Carolina RE Holdings, LLC - Burger King - Beech Island - SCDOT\CONTRACTS\2019004 - 03 - E&S\DWG - EROSION CONTROL PLAN - PHASE 2 - AUG 28, 2019 - 10:58 AM - by: mshank/tdm



SOIL SERIES

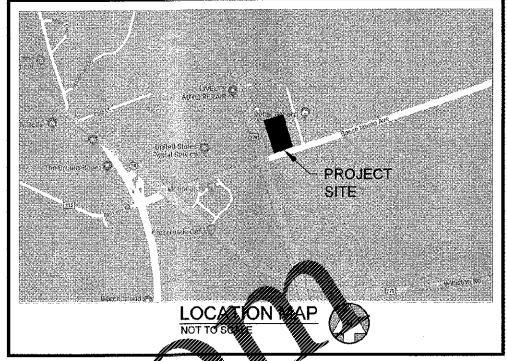
DoB: DOTHAM LOAMY SAND, 2 TO 6 PERCENT SLOPES
 FuB: FULQUAY SAND, 2 TO 6 PERCENT SLOPES

SCDOT NOTE:

ALL ITEMS IN SECTION 10D OF THE CURRENT ARMS MANUAL FOR BOTH CONSTRUCTION AND POST CONSTRUCTION DESIGN HAVE BEEN STUDIED AND ADDRESSED. ALL NECESSARY BMPs HAVE BEEN IMPLEMENTED FOR BOTH PHASES (CONSTRUCTION AND POST-CONSTRUCTION) TO AVOID NEGATIVELY IMPACTING IMPAIRED WATERS OF THE SCDOT SYSTEM AND/OR ITS DISCHARGES.

PROPERTY OWNER:

CAROLINA RE HOLDINGS, LLC
 300 GALLERIA PARKWAY
 ATLANTA, GA 30339
 646.462.5481
 CONTACT:
 MR. BRUCE DANIELS



- GENERAL SITE NOTES:**
- 1.) ALL BEST MANAGEMENT PRACTICES ARE TO BE IN ACCORDANCE WITH THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN SOUTH CAROLINA.
 - 2.) BOUNDARY SURVEY AND METRIC SURVEY BY GEOSURVEY, LTD., DATED MARCH 5, 2019. BENCHMARK IS ON SURVEY.
 - 3.) SOIL TYPES FOR ENTIRE DISTURBED AREA IS DOB & FUB PER NRCS WEB SOIL SURVEY.
 - 4.) THE FUTURE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL BE INSTALLED PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES.
 - 5.) EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL 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. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.
 - 6.) SEDIMENT STORAGE MAINTENANCE INDICATORS MUST BE INSTALLED IN SEDIMENT STORAGE STRUCTURES, AS REQUIRED, INDICATING THE 1/3 FULL VOLUME.
 - 7.) MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE PROPERTY OWNER.
 - 8.) WASHOUT OF CONCRETE DRUM AT CONSTRUCTION SITE IS PROHIBITED AND NOT ALLOWED IN WASH AREAS.
- TOTAL SITE AREA = 0.956 ACRES
 TOTAL DISTURBED AREA = 1.30 ACRES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
CD	CONSTRUCTION ENTRANCE	[Symbol]	[Symbol]	A small temporary barrier or curb constructed across the entrance to an area of construction.
CE	CONSTRUCTION EXIT	[Symbol]	[Symbol]	A small structure placed at the exit of an area of construction to prevent the tracking of mud from the site.
DB	DOUBLE ROW	[Symbol]	[Symbol]	Two rows of stone or concrete blocks placed side-by-side to form a barrier.
SF	SEDIMENT FENCE	[Symbol]	[Symbol]	A barrier constructed from straw bales or similar material to trap sediment.
IP	STORM DRAIN PROTECTION	[Symbol]	[Symbol]	Stone or concrete blocks placed around the storm drain inlet to prevent sediment from entering.
SB	TEMPORARY SEDIMENT BARRIERS	[Symbol]	[Symbol]	A barrier constructed from straw bales or similar material to trap sediment.

VEGETATIVE MEASURES

M	DISTURBED AREA STABILIZATION (MULCH)	[Symbol]	[Symbol]	Establishing temporary protection for disturbed areas where erosion may occur. Mulch should be applied to prevent erosion until permanent vegetation is established.
TS	DISTURBED AREA STABILIZATION (TERRACING)	[Symbol]	[Symbol]	Establishing temporary vegetation cover with fast growing seedlings on disturbed areas.
PS	DISTURBED AREA STABILIZATION (PERMANENT VEGETATION)	[Symbol]	[Symbol]	Establishing permanent vegetation cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
ECB	EROSION CONTROL MATTING AND BARRIERS	[Symbol]	[Symbol]	The installation of a protective covering (matting) and a barrier (curb) on a prepared grading area of a steep slope, channel, or structure.

EROSION CONTROL CONSTRUCTION SEQUENCE

1. RECEIVE NPDES COVERAGE FROM DHEC
 2. NOTIFY THE STORM WATER UTILITY OFFICE 48 HOURS PRIOR TO BEGINNING LAND-DISTURBING ACTIVITIES
 3. PRE-CONSTRUCTION MEETING
 4. INSTALLATION OF CONSTRUCTION ENTRANCE(S)
 5. CLEARING & GRUBBING ONLY AS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS
 6. INSTALLATION OF PERIMETER CONTROLS (E.G., SILT FENCE)
 7. CLEARING & GRUBBING ONLY IN AREAS OF BASIN/ TRAP/ POND
 8. INSTALLATION OF BASIN/ TRAP/ POND(S) OUTLET STRUCTURES MUST BE COMPLETELY INSTALLED AS SHOWN ON THE DETAILS BEFORE PROCEEDING TO NEXT STEP; AREAS DRAINING TO THESE STRUCTURES CANNOT BE DISTURBED UNTIL THE STRUCTURE IS COMPLETELY INSTALLED
 9. CLEARING & GRUBBING OF SITE OR DEMOLITION (SEDIMENT & EROSION CONTROL MEASURES FOR THESE AREAS MUST ALREADY BE INSTALLED)
 10. ROUGH GRADING
 11. INSTALLATION OF STORM DRAIN SYSTEM AND PLACEMENT OF INLET PROTECTION AS EACH INLET IS INSTALLED
 12. FINE GRADING, PAVING AND INSTALLATION OF POST-PAVE INLET PROTECTION, ETC.
 13. PERMANENT FINAL STABILIZATION
 14. CLEAN-OUT OF DETENTION BASINS THAT WERE USED AS SEDIMENT CONTROL STRUCTURES AND RE-GRADING OF DETENTION POND BOTTOMS; IF NECESSARY, MODIFICATION OF SEDIMENT BASIN RISER TO CONVERT TO DETENTION BASIN CUTLET STRUCTURE
 15. REMOVAL OF TEMPORARY SEDIMENT & EROSION CONTROL MEASURES AFTER ENTIRE AREA DRAINING TO THE STRUCTURE IS FINALLY STABILIZED (THE SCSWM RECOMMENDS THAT THE PROJECT OWNER/ OPERATOR HAVE THE SWPPP PREPARED OR REGISTRATION EQUIVALENT APPROVE THE REMOVAL OF TEMPORARY STRUCTURES.)
- NOTE: MAINTENANCE OF SEDIMENT AND EROSION CONTROL MEASURES MUST CONTINUE UNTIL THE SITE IS PERMANENTLY STABILIZED AND THE CONTROLS ARE REMOVED.**
- NOTE: INSTALLATION OF SOME PERMANENT WATER QUALITY DEVICES SHOULD OCCUR AFTER THE SITE IS STABILIZED; INCLUDE THIS IN THE SEQUENCE. CLEANOUT OF OTHER WATER QUALITY DEVICES THAT WERE USED DURING CONSTRUCTION SHOULD OCCUR AFTER SITE STABILIZATION.**
- NOTE: IF FLOWS FROM OFFSITE AREAS WILL BE DIVERTED AROUND THE SITE AND THE ON-SITE STRUCTURES ARE NOT DESIGNED TO HANDLE FLOWS FROM THE OFFSITE AREAS, THEN THE DIVERSION PIPING FOR OFFSITE FLOWS MUST BE INSTALLED BEFORE LAND-DISTURBING ACTIVITIES BEGIN ON THE SITE. INCLUDE THIS IN THE SEQUENCE. SEDIMENT AND EROSION CONTROL MEASURES FOR THE DIVERSION/ PIPING DISTURBED AREAS MUST BE INSTALLED AND SHOULD BE SHOWN ON THE PLANS.**
- ESTIMATED STARTING DATE IS WITHIN TWO (2) WEEKS AFTER RECEIVING ALL NECESSARY PERMITS FROM LOCAL AUTHORITIES. ESTIMATED TIME OF COMPLETION IS THREE (3) MONTHS AFTER THE START OF CONSTRUCTION.

24 HOUR CONTACT:

MR. BRUCE DANIELS - 646.462.5481
 CAROLINA RE HOLDINGS, LLC

NOTE:

CONTRACTOR IS RESPONSIBLE FOR THE SEQUENCE AND TIMING OF ALL EROSION AND SEDIMENT CONTROL MEASURES. PHASING PLANS ARE ONLY A GENERAL GUIDE TO EROSION AND SEDIMENT CONTROL REQUIREMENTS AS DEVELOPMENT OCCURS.

PREPARED IN THE OFFICE OF
LECRAW
 ENGINEERING
 © 2019 LECRAW ENGINEERING, INC.
 3475 CORPORATE WAY, SUITE A
 DULUTH, GA 30096
 PHONE - 678 446 8100
 WWW.LECRAWENGINEERING.COM
 COA 4400

NO.	DATE	BY	REVISION
1	03/29/19	MAT	CHECKED
2		MSL	DRAWN
3		MSL	DATE
4		MSL	COUNTY & SCDOT COMMENTS
5		MSL	REV #

CLIENT
CAROLINA RE HOLDINGS, LLC
 300 GALLERIA PARKWAY - ATLANTA, GA 30339

PROJECT
BURGER KING - BEECH ISLAND, SC
 BEECH ISLAND AVENUE & ATOMIC DRIVE
 AIKEN COUNTY, SOUTH CAROLINA

South Carolina
LeCraw
 Engineering, Inc.
 No. 4400
 STATE OF SOUTH CAROLINA
 REGISTERED PROFESSIONAL ENGINEER
 No. 29099
 8/28/19
 Mark S. LeCraw

DESIGN TEAM:
 DRAWN BY: MAT
 DESIGNED BY: MAT
 REVIEWED BY: MSL

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

SCALE & NORTH ARROW:

JOB #: 259004
 DATE: JULY 18, 2019
EROSION CONTROL PLAN - PHASE 2
C-2.1