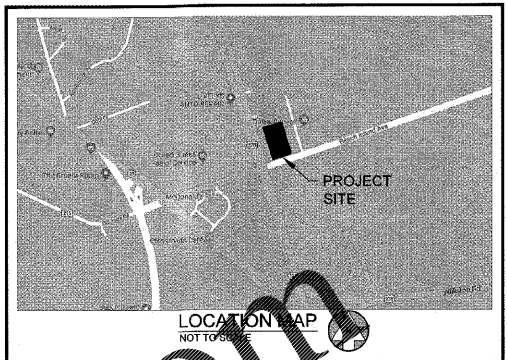


- SCDOT NOTES:**
1. ALL SIDEWALKWAYS IN THE RIGHT OF WAY MUST MAINTAIN A CROSS SLOPE OF NO GREATER THAN 2% FOR A MINIMUM WIDTH OF 3 FEET.
 2. ALL BROKEN CURB AND SIDEWALK PANELS SHOULD BE REPAIRED DURING CONSTRUCTION ACTIVITIES.
 3. ANY FIELD CHANGES WITHIN SCDOT RW OR CHANGES THAT WOULD IMPACT SCDOT RW WILL REQUIRE WRITTEN SCDOT APPROVAL PRIOR TO CHANGES BEING IMPLEMENTED IN THE FIELD.
 4. NON STANDARD MATERIALS THAT ARE APPROVED AND REQUIRED BY THE CITY OF CHARLESTON (STAMPED CONCRETE, ETC.) THAT IS PLACED FOR SIDEWALK AND DRIVEWAYS WILL NOT BE THE RESPONSIBILITY OF THE SCDOT TO MAINTAIN. ALL MAINTENANCE AND ANY ASSOCIATED PROBLEMS WITH THESE SPECIAL MATERIALS WILL BE THE RESPONSIBILITY OF THE PROPERTY OWNER (CURRENT OR FUTURE) FOR THE LIFE OF THE IMPROVEMENT. ALL AREAS OF MAINTENANCE REQUIRED BY SCDOT FORCES OR UTILITY COMPANIES WILL ONLY BE REQUIRED TO BE REPAIRED USING STANDARD SCDOT MATERIALS.
 5. THE PROPERTY OWNER (CURRENT & FUTURE) SHALL BE RESPONSIBLE FOR THE MAINTENANCE, IN PERPETUITY, OF DRIVEWAYS AND OTHER ACCESS POINTS, INCLUDING ANY NEW DRAINAGE STRUCTURES INSTALLED FOR YOUR PROJECT WITHIN THE RIGHTS-OF-WAYS OF STATE MAINTAINED FACILITIES.
 6. ANY REVIEW OF INFORMATION ASSOCIATED WITH THE APPLICATION FOR THE SUBJECT PERMIT BY THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION (SCDOT) IS COMPLETED FOR CONFORMANCE WITH GENERALLY ACCEPTED POLICIES AND STANDARDS. THE SCDOT REVIEWS DO NOT IN ANY WAY ASSOLVE THE PERMITTEE OF THE RESPONSIBILITY FOR PROVIDING COMPLETE AND ACCURATE CONSTRUCTION DOCUMENTS AND PRACTICING PROPER CONSTRUCTION PRACTICES. REVIEW AND SUBSEQUENT APPROVAL OF THE SUBJECT PERMIT BY THE SCDOT DOES NOT ESTABLISH ANY LIABILITY BY THE DEPARTMENT FOR ERRORS OR OMISSIONS IDENTIFIED AT A LATER DATE. IF AT ANY TIME THE PERMITTED PROJECT IS FOUND TO BE DELINQUENT IN STANDARD OF PERFORMANCE THE PERMITTEE WILL BE RESPONSIBLE FOR TAKING ALL NECESSARY STEPS TO CORRECT ISSUES TO THE SATISFACTION OF THE SCDOT.
 7. IF PONDING IS OBSERVED TO BE AN ISSUE AT THE DRIVEWAYS AND RAMPS, THE GRADING WILL NEED TO BE ADDRESSED IMMEDIATELY AND PROJECT CLOSEOUT WILL NOT BE GRANTED UNTIL DRAINAGE ISSUES ARE ADDRESSED SATISFACTORILY TO THE DEPARTMENT.



- GENERAL NOTES:**
- 1) ALL CRITICAL SPOT GRADES AND CURB ARE BOTTOM OF CURB ELEVATIONS UNLESS OTHERWISE SPECIFIED.
 - 2) NO SLOPES ARE TO BE STEEPER THAN 2:1.
 - 3) ALL LAND DISTURBANCE TO BE STABILIZED WITH VEGETATION UPON COMPLETION OF DEMOLITION.
 - 4) ALL TREES TO HAVE PROPER PROTECTION UNLESS APPROVED PLANS INDICATE OTHERWISE.
 - 5) BOUNDARY & TOPOGRAPHIC INFORMATION FROM SURVEY BY GEOSURVEY, LTD., DATED MARCH 5, 2019.
 - 6) FLOOD PLAN IS NOT PRESENT ON THIS SITE AS SHOWN ON THE FEMA FIRM MAP NUMBER 45003C402E, DATED JUNE 19, 2019.
 - 7) EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE ACCOMPLISHED PRIOR TO ANY OTHER CONSTRUCTION ON THE SITE AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
 - 8) OWNER IS RESPONSIBLE FOR MAINTENANCE OF ALL STORM SEWER ON PRIVATE PROPERTY.
 - 9) THE OWNER IS RESPONSIBLE FOR OBTAINING ANY NECESSARY AGREEMENTS FROM ADJACENT PROPERTY OWNERS IN ORDER TO PERFORM THE REQUIRED OFFSITE WORK, INCLUDING STORM DRAINAGE, CURB AND GUTTER AND PAVEMENT TIE-INS AND GRADING.
 - 10) VERTICAL DEPTH OF ALL DRY AND PRESSURIZED UTILITIES IS UNKNOWN. CONTRACTOR TO NOTIFY OWNER AND ENGINEER IMMEDIATELY IF ANY CONFLICTS ARE FOUND.
 - 11) SIDEWALKS ADJACENT TO BUILDING AND ALONG ADA ROUTES TO HAVE MAXIMUM CROSS SLOPE OF 2%.
- STRUCTURE TYPES:**
- STL: SCDOT STD 719-105-01 STGI: SCDOT STD 719-001-01
 STJB: SCDOT STD 719-420-01 STHW: SCDOT STD 719-605-00
 STCC: SEE DETAILS SHEET C-7.5 STFE: SCDOT STD 719-610-00
- SPOT ELEVATION LEGEND:**
- BR: BOTTOM OF RAMP TR: TOP OF RAMP

KEY NOTES

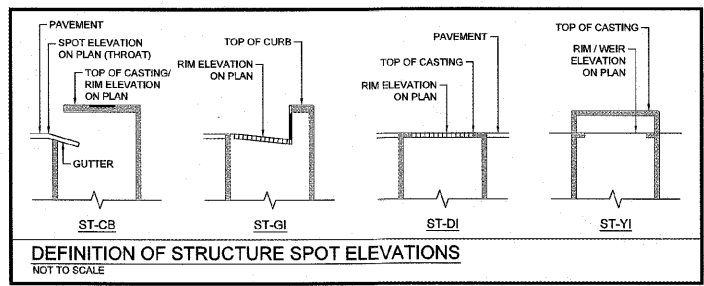
1	CONTRACTOR TO TIE INTO AND MATCH EXISTING GRADE
2	RIDGE LINE
3	2:1 SLOPE
4	PROPOSED RETAINING WALL DESIGN BY OTHERS
5	ADA PARKING AREA, MAXIMUM SLOPE OF 2% IN ANY DIRECTION
6	8" HOOD HEADER PIPE FOR ROOF DRAIN CONNECTION, MINIMUM SLOPE OF 1%. PROJECT TO 18" STORM PIPE USING INSERT-TEE
7	DETENTION POND
8	ACO TRENCH DRAIN, SEE SHEET C-7.5 FOR DETAILS

STORM STRUCTURES

NAME	TYPE	STATION	RIM	INV IN: (PIPE)	INV OUT: (PIPE)
A1 - STHW	HEADWALL	0+00.00	251.19	251.25 (A1 - A2)	251.45 (A1 - A2)
A2 - STJB	JUNCTION BOX	0+20.00	256.48	251.45 (A2 - A2.1)	251.45 (A2 - A3)
A2.1 - STTC	TRENCH CONNECTION	0+23.49	256.56		251.68 (A2 - A2.1)
A3 - STJB	JUNCTION BOX	1+09.87	252.21	252.35 (A3 - A4)	252.35 (A2 - A3)
M - STDI	DROP INLET	1+70.18	257.44		252.95 (A3 - A4)
B1 - STHW	HEADWALL	0+30.00	251.05	251.05 (B1 - B2)	
B2 - STGI	HOOD & GRATE INLET	0+10.42	257.21		251.15 (B1 - B2)
O1 - STFE	FLARED END SECTION	0+00.00	249.75	249.71 (O1 - O2)	
O2 - STOCS	CONCRETE RISER	0+79.43	255.00		250.59 (O1 - O2)
T1 - STFE	FLARED END SECTION	0+00.00	254.00	254.00 (T1 - T2)	
T2 - STFE	FLARED END SECTION	0+82.52	255.42		254.90 (T1 - T2)
T3 - STFE	FLARED END SECTION	0+00.00	250.36	249.52 (T3 - T4)	
T4 - STFE	FLARED END SECTION	0+61.93	250.14		250.14 (T3 - T4)

STORM PIPES

NAME	SIZE	LENGTH	SLOPE	INV UP	INV DOWN	MATERIAL
A1 - A2	16"	20.00	1.00%	251.45 (A2 - STJB)	251.25 (A1 - STHW)	HDPE
A2 - A2.1	16"	23.49	1.00%	251.68 (A2.1 - STTC)	251.45 (A2 - STJB)	HDPE
A2 - A3	16"	89.87	1.00%	252.35 (A3 - STJB)	251.45 (A2 - STJB)	HDPE
A3 - A4	16"	60.31	1.00%	252.95 (A4 - STDI)	252.35 (A3 - STJB)	HDPE
B1 - B2	16"	10.42	1.00%	251.15 (B2 - STGI)	251.05 (B1 - STHW)	HDPE
O1 - O2	16"	79.43	1.00%	260.50 (O2 - STOCS)	249.71 (O1 - STFE)	RCP
T1 - T2	24"	82.52	1.00%	254.90 (T2 - STFE)	254.00 (T1 - STFE)	RCP
T3 - T4	15"	61.93	1.00%	250.14 (T4 - STFE)	249.52 (T3 - STFE)	RCP



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 CCA-400

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

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

811
 Know what's below.
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SCALE & NORTH ARROW:
 SCALE: 1"=20'
 NORTH ARROW

JOB #: 259004
DATE: JULY 18, 2019
GRADING PLAN
C-4.0

Drawing name: L256004 - Carolina RE Holdings, LLC - Burger King - Beech Island, SC CADCONSTR0256004 - 07 - GRADING PLAN - Aug 30, 2019 7:31 am by: michael.zoubaker