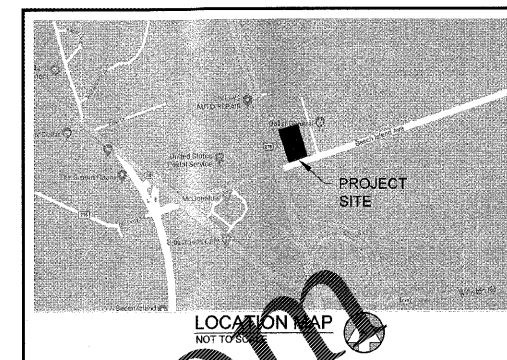
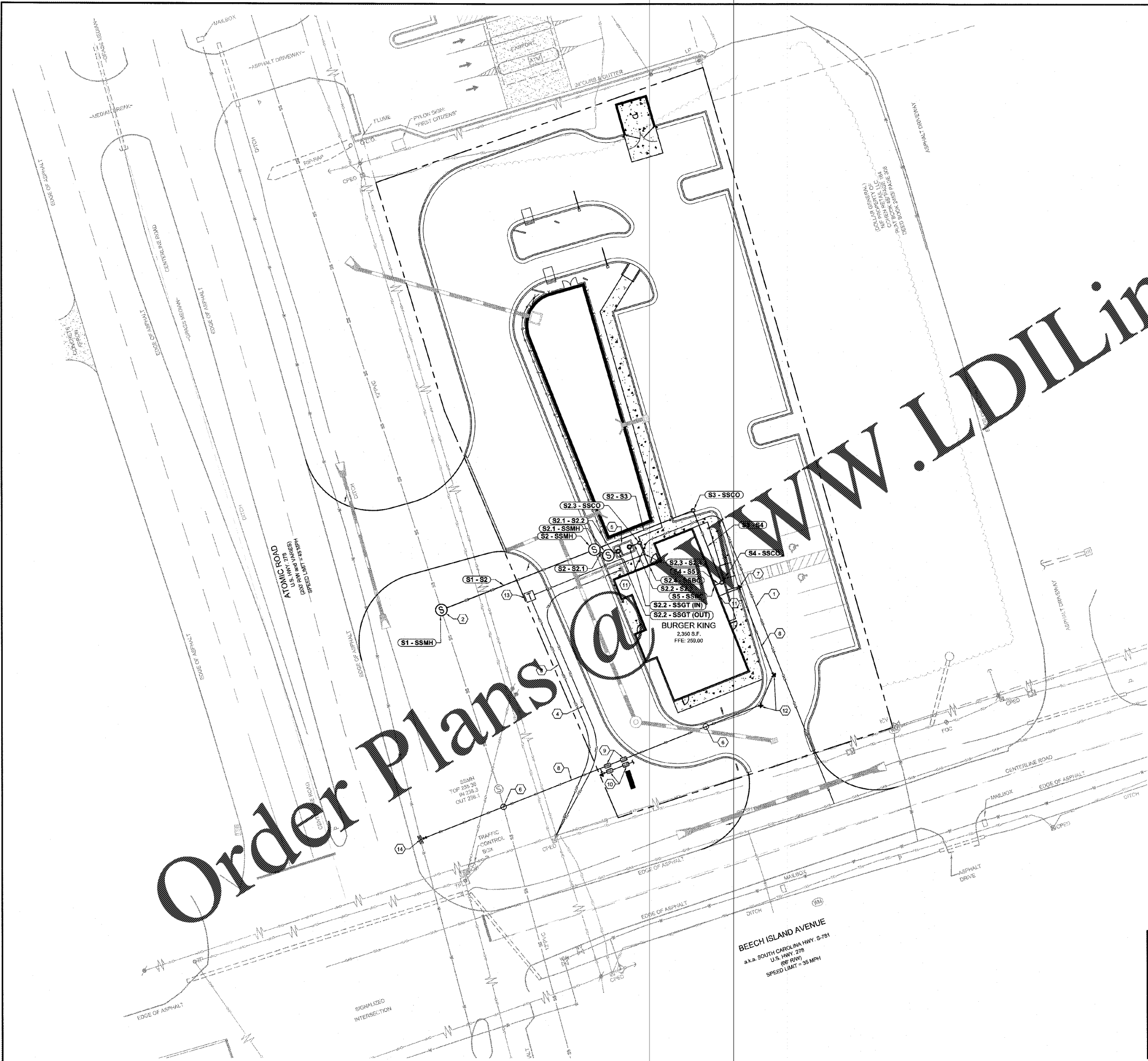


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- GENERAL UTILITY NOTES:**
- 1.) CONTRACTOR TO NOTIFY OWNER/DEVELOPER AND ENGINEER IMMEDIATELY IF FIELD CONDITIONS DIFFER FROM DESIGN ASSUMPTIONS.
  - 2.) LOCATION OF ALL UNDERGROUND UTILITIES SHOWN IS BASED ON A SURVEY BY GEOSURVEY, LTD., DATED MARCH 5, 2019. APPROPRIATE UTILITY COMPANIES SHOULD BE CONTACTED FOR VERIFICATION OF LOCATIONS PRIOR TO ANY CONSTRUCTION ACTIVITY.
  - 3.) MAINTAIN 10' HORIZONTAL SEPARATION BETWEEN WATER AND SEWER LINES.
  - 4.) REFER TO ARCHMEP PLANS FOR ON SITE UTILITY CONDUITS FOR SITE LIGHTING, ETC. AND UTILITY ENTRY AND EXIT LOCATIONS.
  - 5.) VERTICAL DEPTH OF ALL DRY AND PRESSURIZED UTILITIES IS UNKNOWN. CONTRACTOR TO NOTIFY OWNER AND ENGINEER IMMEDIATELY IF ANY CONFLICTS ARE FOUND.
  - 6.) CONTRACTOR TO REFERENCE MEP PLANS FOR ALL GREASE TRAP SIZING, DETAILS, CLEANOUTS, SAMPLE WELLS, AND VENT PIPING. GREASE TRAPS SHOWN ON CIVIL DRAWINGS ARE FOR REFERENCE ONLY.

**KEY NOTES**

1	UNDERGROUND GAS SERVICE. CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER FOR EXACT LOCATION AND CONTINUATION.
2	APPROXIMATE LOCATION OF PROPOSED DOGHOUSE MANHOLE.
3	UNDERGROUND POWER SERVICE. CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER FOR EXACT LOCATION AND CONTINUATION.
4	UNDERGROUND TELEPHONE SERVICE. CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER FOR EXACT LOCATION AND CONTINUATION.
5	1,500 GALLON GREASE TRAP. SEE MEP PLANS FOR DETAILS.
6	CONTRACTOR TO BEND WATER LINE AS NECESSARY TO ENSURE 18" MIN. VERTICAL CLEARANCE.
7	90° BEND WITH THRUST BLOCK.
8	2" PVC DOMESTIC WATER LINE.
9	2" DOMESTIC WATER METER AND BACKFLOW PREVENTER.
10	1" IRRIGATION WATER METER AND BACKFLOW PREVENTER.
11	REFER TO ARCH PLANS FOR ALL LOCATIONS AND INTERNAL CONNECTIONS.
12	45° BEND WITH THRUST BLOCK.
13	PROPOSED TRANSFORMER PER UTILITY PROVIDER SPECIFICATIONS.
14	PROPOSED 8"X6"X2" TAPPING SLEEVE AND GATE VALVE. CONTRACTOR TO CONFIRM SIZE OF EXISTING LINE.

**CAUTION**  
 THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTORS CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS OF UNDERGROUND UTILITIES, AND IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES SHOWN AS WELL AS THOSE NOT SHOWN WITHIN THE CONSTRUCTION LIMITS. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**SANITARY STRUCTURES**

NAME:	TYPE:	STATION:	RIM:	INV IN: (PIPE)	INV OUT: (PIPE)
S1 - SSMH	MANHOLE	0+00.00	253.41	249.77 (S1 - S2)	
S2 - SSMH	MANHOLE	0+71.20	257.48	250.53 (S2 - S3) 250.42 (S2 - S2.1)	250.33 (S1 - S2)
S2.1 - SSMH	MANHOLE (TEST)	0+06.52	258.34	253.77 (S2.1 - S2.2)	250.75 (S2 - S2.1)
S2.2 - SSGT (IN)	GREASE TRAP	0+16.27	258.69	254.24 (S2.2 - S2.3)	
S2.2 - SSGT (OUT)	GREASE TRAP	0+11.11	258.51		254.00 (S2.1 - S2.2)
S2.3 - SSCO	CLEANOUT	0+21.02	258.80	254.48 (S2.3 - S2.4)	254.48 (S2.2 - S2.3)
S2.4 - SSBC	BUILDING CONNECTION	0+31.42	259.00		255.00 (S2.3 - S2.4)
S3 - SSCO	CLEANOUT	1+17.08	257.63	252.83 (S3 - S4)	252.83 (S2 - S3)
S4 - SSCO	CLEANOUT	1+50.82	258.78	254.50 (S4 - S5)	254.50 (S3 - S4)
S5 - SSBC	BUILDING CONNECTION	1+53.82	258.83		254.85 (S4 - S5)

**SANITARY PIPES**

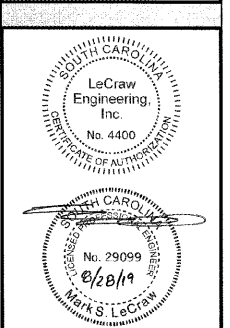
NAME:	SIZE:	LENGTH:	SLOPE:	INV UP:	INV DOWN:	MATERIAL:
S1 - S2	4"	71.20	5.00%	250.33 (S2 - SSMH)	249.77 (S1 - SSMH)	PVC
S2 - S2.1	4"	6.52	5.00%	250.75 (S2.1 - SSMH)	250.42 (S2 - SSMH)	PVC
S2 - S3	4"	45.88	5.00%	252.83 (S3 - SSCO)	250.53 (S2 - SSMH)	PVC
S2.1 - S2.2	4"	4.58	5.00%	254.00 (S2.2 - SSGT (OUT))	253.77 (S2.1 - SSMH)	PVC
S2.2 - S2.3	4"	4.75	5.00%	254.48 (S2.3 - SSCO)	254.24 (S2.2 - SSGT (IN))	PVC
S2.3 - S2.4	4"	10.40	5.00%	255.00 (S2.4 - SSBC)	254.48 (S2.3 - SSCO)	PVC
S3 - S4	4"	33.54	5.00%	254.50 (S4 - SSCO)	252.83 (S3 - SSCO)	PVC
S4 - S5	4"	3.00	5.00%	254.85 (S5 - SSBC)	254.50 (S4 - SSCO)	PVC

PREPARED IN THE OFFICE OF  
**LECRAW ENGINEERING**  
 INC.  
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 DULUTH, GA 30096  
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 FAX: 770.444.0938  
 WWW.LECRAWENGINEERING.COM  
 CCA-4400

REV.	DATE	BY	CHKD.	DESCRIPTION
1				COUNTY & SDOT COMMENTS

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



**SCALE & NORTH ARROW:**

NORTH ARROW

SCALE: 1"=20'

JOB #: 259004  
 DATE: JULY 18, 2019  
**UTILITY PLAN**  
**C-5.0**