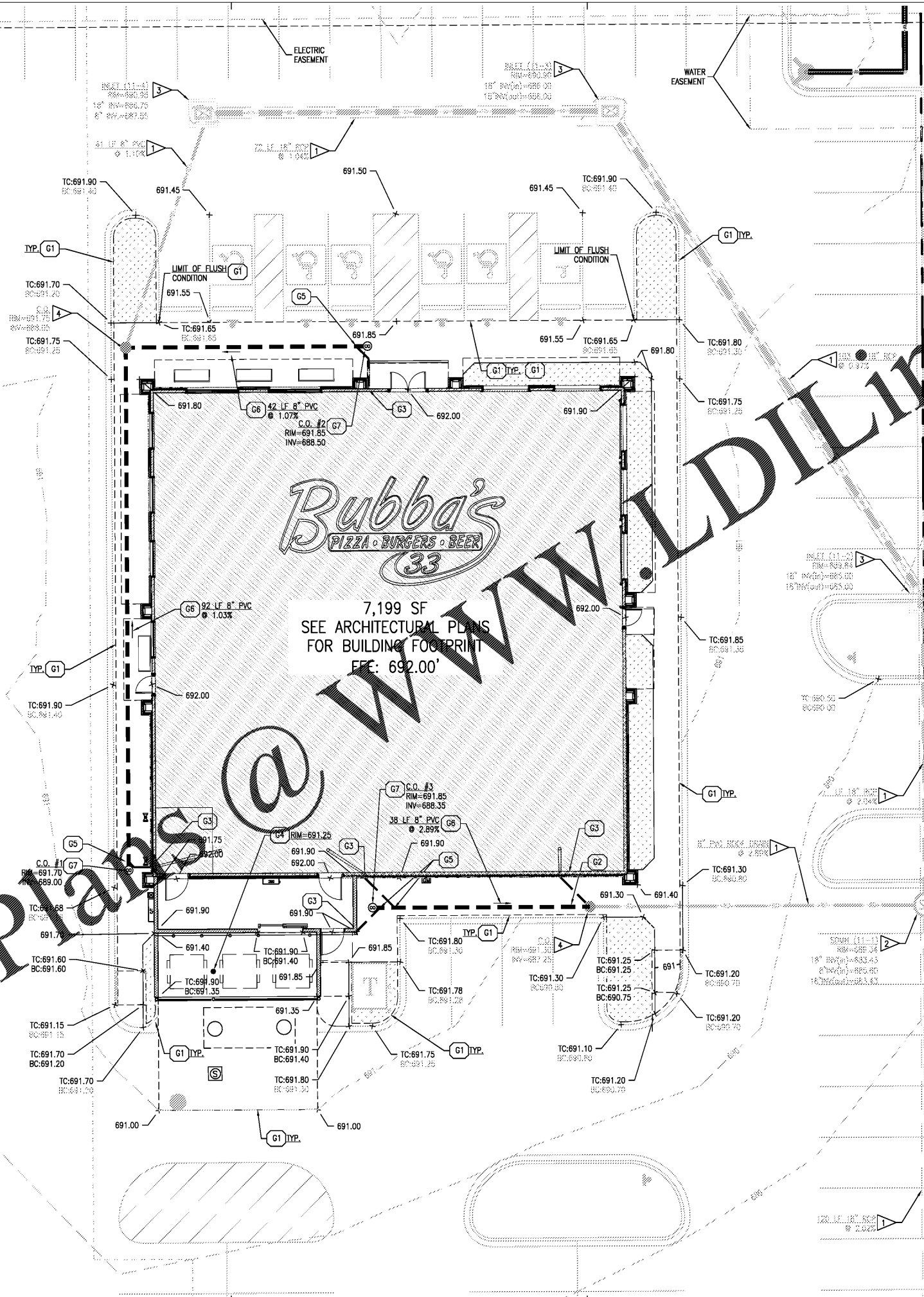


GRADING & DRAINAGE NOTES:

- ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE TO THE CITY'S LATEST CONSTRUCTION SPECIFICATIONS AND DETAILS.
- PRIOR TO ANY EXCAVATION OF THE PROJECT SITE, THE CONTRACTOR SHALL NOTIFY THE CITY'S INSPECTOR 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, REFERENCE POINTS AND STAKES.
- ALL PROPOSED SPOT ELEVATIONS SHOWN INDICATE FINISHED GRADED ELEVATIONS AT EDGE OF PAVEMENT AND/OR GRADE BREAKS, UNLESS OTHERWISE NOTED.
- FIELD VERIFY LOCATIONS, SIZES AND IF APPLICABLE INVERTS OF EXISTING UTILITIES FOR PROPOSED CONNECTIONS PRIOR TO CONSTRUCTION.
- LOCATE AND PROTECT ALL UTILITIES ASSOCIATED WITH THE PROJECT PRIOR TO CONSTRUCTION.
- INSTALL SILT CONTROL MEASURES BEFORE BEGINNING SITE WORK. THESE MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- MAINTAIN PROPER SITE DRAINAGE AT ALL TIMES DURING CONSTRUCTION. PREVENT STORM WATER FROM RUNNING INTO OR STANDING IN EXCAVATED AREAS.
- INSTALL ALL APPROPRIATE TREE PROTECTION MEASURES PRIOR TO GRADING.
- CUT AND FILL SLOPES SHALL HAVE A MAXIMUM SLOPE OF 3:1. (2:1 WITH GEOTEXTILE MATTING)
- ALL EXCAVATION SHALL INCLUDE CLEARING, STRIPPING AND STOCKPILING TOPSOIL, REMOVING UNSUITABLE MATERIALS, THE CONSTRUCTION OF EMBANKMENTS, CONSTRUCTION FILLS, AND THE FINAL SHAPING AND TRIMMING TO THE THE LINES AND GRADES SHOWN ON THE PLANS.
- ALL TREES, BRUSH, AND ORGANIC TOPSOIL AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED, UNLESS OTHERWISE SPECIFIED, AND DISPOSED OF AT AN OFF-SITE LOCATION, WITH THE EXCEPTION THAT ENOUGH TOPSOIL SHALL BE RETAINED FOR RE-SREAD AND GENERAL LANDSCAPING. AREAS WHICH ARE TO BE FILLED SHALL BE COMPACTED TO A MINIMUM DENSITY OF 95% AS DETERMINED BY THE STANDARD MASHTO COMPACTION TEST IN THE PAVED AREAS AND 85% IN THE OTHER AREAS.
- STRIP AND STOCKPILE TOPSOIL. SPREAD FOUR (4) INCHES MINIMUM OF TOPSOIL ON LANDSCAPE AREAS AND REMOVE EXCESS TOPSOIL FROM SITE. PREPARE SUB-GRADE FOR PAVEMENT AND CURBS AND BACKFILL CURBS AFTER CURB CONSTRUCTION.
- PROVIDE SUPPLY OF TOPSOIL FOR LANDSCAPE CONTRACTOR FOR INSTALLATION IN ALL LANDSCAPE ISLANDS.
- PROVIDE AND INSTALL TOPSOIL IN DISTURBED AREAS TO BE GRASSED.
- ALL EARTHWORK AND BASE COURSE FOR THE PARKING AREA SHALL BE COMPACTED TO A MINIMUM OF 95% STANDARD LABORATORY DENSITY. CERTIFICATION SAID COMPACTION SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER, OR HIS/HER REPRESENTATIVE, PRIOR TO THE PLACEMENT OF THE BASE COURSE MATERIAL. BOTH PROOF ROLLING AND COMPACTION TESTING MUST BE APPROVED AND WITNESSED BY THE ENGINEER OR OWNER REPRESENTATIVE.
- THE PAVEMENT SUBGRADE AND BASE COURSE MATERIAL SHALL BE INSPECTED AND APPROVED BY THE ENGINEER OR OWNER REPRESENTATIVE PRIOR TO CONSTRUCTING THE BASE AND SURFACE COURSES THEREON.
- CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE TO ALL CURB CUT AREAS. AREAS OF SURFACE PONDING SHALL BE CORRECTED BY CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- IF AREAS ARE DISTURBED BEYOND PROPOSED GRADES BY NEGLIGENCE OF THE CONTRACTOR, THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY GRADING OR REPAIR TO MATCH ORIGINAL EXISTING CONDITIONS.
- SHORING SHALL BE DONE AS NECESSARY FOR THE PROTECTION OF THE WORK AND FOR THE SAFETY OF PERSONNEL. SHORING SHALL BE IN ACCORDANCE WITH ALL O.S.H.A AND LOCAL REGULATIONS.
- STRUCTURES FOR STORM DRAINS SHALL BE IN ACCORDANCE WITH THESE IMPROVEMENT PLANS AND THE APPLICABLE STANDARD SPECIFICATIONS. WHERE GRANULAR TRENCH BACKFILL IS REQUIRED AROUND THESE STRUCTURES, THE COST SHALL BE CONSIDERED AS INCIDENTAL AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STRUCTURE.
- CONFIRM INVERTS OF ALL EXISTING STORM INLETS AND SANITARY SEWER MANHOLES/CLEANOUTS BEFORE COMMENCING CONSTRUCTION.
- A GEOTEXTILE MATTING (LANDLOCK TRM 450 OR EQUIVALENT) SHALL BE USED FOR EROSION CONTROL AN ALL SLOPES GREATER THAN 3H:1V.
- DRAINAGE STRUCTURES AND UNDERGROUND INFILTRATION FACILITIES SHALL BE INSPECTED SEMIANNUALLY TO ENSURE PROPER WORKING ORDER.
- CONTRACTOR SHALL ADJUST GRADES BY VARYING THE PAVEMENT SECTIONS ACCORDINGLY. EXISTING COMPACTED SUBGRADE TO BE DISTURBED AS LITTLE AS POSSIBLE. AT THE VERY LEAST MINIMUM PAVEMENT SECTION REQUIREMENTS SPECIFIED BY THE GEOTECHNICAL ENGINEER SHALL BE MAINTAINED.
- SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.



REFERENCE NOTE:
THE PROPOSED CIVIL ENGINEERING PLANS ARE BASED ON SITE DEVELOPMENT PLANS PREPARED FOR TEXAS ROADHOUSE, CREATED BY BLUEWATER CIVIL DESIGN, LLC, PROJECT NO. 2018-012, DATED APRIL 2018.

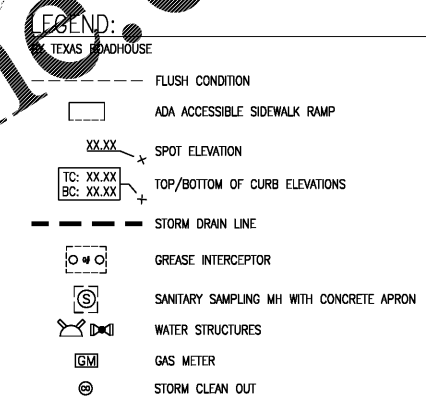


GRADING & DRAINAGE KEYNOTES:

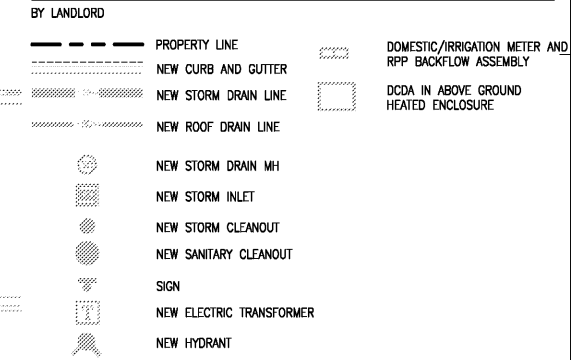
- BY TEXAS ROADHOUSE
- G1 MATCH EXISTING GRADE
 - G2 CONTRACTOR TO CONNECT TO LANDLORD PROVIDED STORM DRAIN STUB/STRUCTURE, FIELD VERIFY LOCATION, SIZE AND DEPTH
 - G3 PROPOSED 4" ROOF DRAIN CONNECTION PER ARCHITECTURAL PLANS
 - G4 PROPOSED HEAVY DUTY AREA DRAIN CONNECTED TO SANITARY SEWER VIA GREASE TRAP (SEE UTILITY PLAN FOR ADDITIONAL INFORMATION)
 - G5 PROPOSED WYE CONNECTION (SEE DETAILS)
 - G6 PROPOSED STORM DRAIN LINE, TYPE AND SIZE AS NOTED
 - G7 PROPOSED STORM DRAIN CLEAN OUT

UTILITY KEYNOTES:

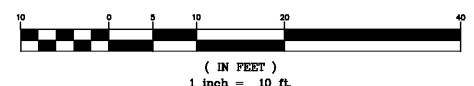
- BY LANDLORD
- 1 STORM DRAIN LINE
 - 2 STORM DRAIN MANHOLE
 - 3 STORM DRAIN INLET
 - 4 STORM DRAIN CLEAN OUT



LEGEND:



GRAPHIC SCALE



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ISSUE/REVISION RECORD

DATE	DESCRIPTION
03/06/19	COORDINATION SET
05/03/19	BID SET

PROFESSIONAL SEAL

LICENSE NO.: 402019570

PROFESSIONAL IN CHARGE
JOHN NOURZAD
PROJECT MANAGER
ANDRE PIMENTEL
QUALITY CONTROL
ANDRE PIMENTEL
DRAWN BY
KYLE PITZ

PROJECT NAME

BUBBA'S 33

**GASTONIA
NORTH CAROLINA**

3287 E. FRANKLIN BLVD



PROJECT NUMBER
20181046.0

SHEET TITLE

**GRADING AND
DRAINAGE PLAN**

SHEET NUMBER

C3.0
NOT ISSUED FOR CONSTRUCTION