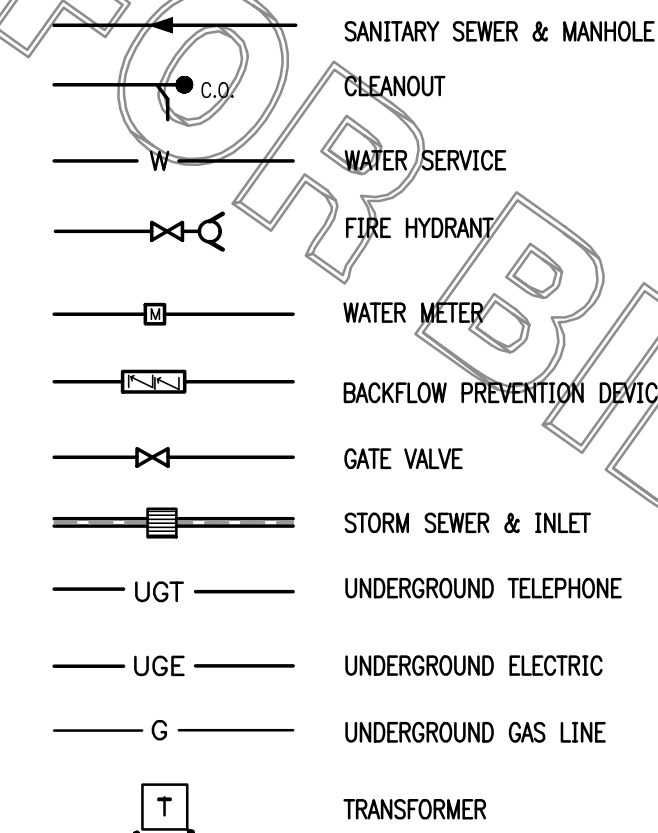


LEGEND



SITE UTILITY PLAN

1" = 20'

BURIED UTILITIES NOTE

BURIED UTILITIES ARE SHOWN AT THEIR APPROXIMATE LOCATION BASED UPON INFORMATION OBTAINED FROM UTILITY COMPANIES AND FIELD EVIDENCE. OTHER BURIED UTILITIES MIGHT EXIST ON THE SUBJECT SITE WHICH ARE NOT SHOWN ON THIS DRAWING. USE EXTREME CAUTION DURING EXCAVATION PROCEDURES AND CONTACT GEORGIA 811 BY CALLING 811 OR 1-800-282-7411 FOR EXACT LOCATION OF BURIED FACILITIES PRIOR TO EXCAVATION OPERATIONS.



PROPOSED SANITARY SEWER MANHOLE
TOP OF RIM = 784.30
N. INV. = 779.20 (Prop. 8" PVC)
E. INV. = 778.8 (Existing)

NOTE: CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION AND INVERT OF EXISTING SANITARY SEWER STUB-OUT PRIOR TO START OF CONSTRUCTION. REPORT ANY CONFLICTS TO ENGINEER.

CITY OF CARTERSVILLE UTILITY NOTES:

1. CHATTE AGAN WITH THE CARTERSVILLE WATER DEPARTMENT, (770) 387-5657, IS TO BE CONTACTED FOR COORDINATION OF GREASE TRAP REQUIREMENTS.
2. CHATTE AGAN, CARTERSVILLE WATER DEPARTMENT BACKFLOW PREVENTION COORDINATOR, (770) 387-5657, IS TO BE CONTACTED FOR COORDINATION OF BACKFLOW PREVENTION REQUIREMENTS.
3. THE OWNER / DEVELOPER SHALL BE RESPONSIBLE FOR ANY NECESSARY RELOCATIONS, REPAIRS, OR IMPROVEMENTS TO THE EXISTING WATER AND SEWER UTILITIES MADE NECESSARY BY THE CONSTRUCTION OF THIS PROJECT WHETHER IDENTIFIED ON THE PLANS OR NOT. THE OWNER / DEVELOPER SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH RELOCATION OF EXISTING WATER AND SEWER MAINS TO MAINTAIN MINIMUM COVER OR CLEARANCE OF THE UTILITY LINES. THE DESIGN ENGINEER IS RESPONSIBLE FOR IDENTIFICATION OF ANY CONFLICTS WITH THE EXISTING WATER AND SEWER UTILITIES AND THE PROPOSED WORK OF THIS PROJECT.

CARTERSVILLE ELECTRIC SYSTEM NOTES:

1. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE ELECTRICAL SERVICE PRIOR TO CONSTRUCTION (770-387-5631).
2. ALL SERVICE INSTALLATIONS SHALL COMPLY WITH THE CURRENT NATIONAL ELECTRICAL CODE.
3. ANY TRENCHING OR CUTTING OF EXISTING CONCRETE OR ASPHALT SHALL BE REPAIRED BY THE CONTRACTOR. CARTERSVILLE ELECTRIC SYSTEM (CES) WILL COMPACT AND BACKFILL THEIR TRENCHES WITH EARTH AND/OR GRAVEL. THE CONTRACTOR SHALL REPAIR OR REPLACE CONCRETE OR ASPHALT SURFACES AS REQUIRED.
4. THE ELECTRICAL CONTRACTOR SHALL ABIDE BY THE LATEST VERSION OF THE 'CARTERSVILLE ELECTRIC SYSTEM CONTRACTOR'S MANUAL' FOR CES CONSTRUCTION SPECIFICATIONS.
5. A MINIMUM OF TWELVE (12)-INCHES OF VERTICAL SEPARATION SHALL BE MAINTAINED AT ALL CROSSINGS OVER OR UNDER CES UNDERGROUND LINES.
6. A MINIMUM OF 36" HORIZONTAL SEPARATION SHALL BE MAINTAINED FROM ALL UNDERGROUND FACILITIES INSTALLED PARALLEL TO CES UNDERGROUND LINES.
7. NO SHRUBS, TREES OR STRUCTURES SHALL BE PLACED WITHIN TEN (10)-FEET OF THE FRONT, OR WITHIN FOUR (4)-FEET OF THE SIDES OR REAR OF PAD-MOUNTED TRANSFORMERS.
8. ALL METERING LOCATIONS SHALL BE COORDINATED WITH CES PRIOR TO INSTALLATION. CES MUST APPROVE THE LOCATION OF ALL METERING POINTS.

PLAN NOTES

1. EXISTING 1 1/2" DOMESTIC WATER METER AND EXISTING REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTER ASSEMBLY.
NOTE: EXISTING WATER METER SIZE PER ORIGINAL DESIGN PLANS. CONTRACTOR SHALL FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING WATER METER AND BACKFLOW PREVENTER PRIOR TO THE START OF CONSTRUCTION. REPORT ANY CONFLICTS TO ENGINEER.
2. CONNECT PROPOSED 2" POLYETHYLENE (PE) DOMESTIC WATER SERVICE TO EXISTING DOMESTIC WATER METER.
3. 115 LF-2" NEW POLYETHYLENE (PE) DOMESTIC WATER SERVICE INTO BUILDING.
4. EXISTING 1" IRRIGATION WATER METER AND REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTER ASSEMBLY.
NOTE: EXISTING WATER METER SIZE PER ORIGINAL DESIGN PLANS. CONTRACTOR SHALL FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING WATER METER AND BACKFLOW PREVENTER PRIOR TO THE START OF CONSTRUCTION. REPORT ANY CONFLICTS TO ENGINEER.
5. 1" IRRIGATION LINE (REFER TO IRRIGATION PLAN, SHEET L-2.0 FOR CONTINUATION).
6. 244 LF-3/4" POLYETHYLENE (PE) COLD WATER LINE TO DUMPSTER POST HYDRANT.
7. 3/4" NON-FREEZE POST HYDRANT (REFER TO BELOW SLAB PLUMBING PLAN, SHEET P-1.1 FOR EXACT LOCATION).
8. 4" PVC GREASE LINE FROM BUILDING AT 2% MINIMUM SLOPE INV. EL. = 784.70'
9. 4" PVC SANITARY LINE FROM BUILDING AT 2% MINIMUM SLOPE INV. EL. = 784.70'
10. ONE (1) - 1,500 GALLON GREASE INTERCEPTOR
TOP OF COVER = 788.10
INV. IN = 784.10
INV. OUT = 783.90
GREASE INTERCEPTOR CALCULATIONS per 2012 International Plumbing Code
note: minimum interceptor size = 1,000 gallons
total capacity size = (GPM) X (RT) = CAPACITY IN GALLONS
WHERE:
GPM = GALLONS PER MINUTE = 40
RT = RETENTION TIME (In Minutes) = 30
40 x 30 = 1,200 GALLONS
THEREFORE ONE @ 1,500 GALLONS
11. SANITARY SEWER PIPE TO BE SDR 35. SIZE, LENGTH AND SLOPE AS SPECIFIED.
12. REMOVE CAP AND CONNECT EXISTING SANITARY LINE TO PROPOSED SANITARY SEWER MANHOLE.
NOTE: CONTRACTOR SHALL FIELD VERIFY EXACT INVERT AND LOCATION OF EXISTING SANITARY LINE PRIOR TO THE START OF CONSTRUCTION. REPORT ANY CONFLICTS TO ENGINEER.

13. PAD MOUNTED TRANSFORMER WITH BOLLARDS.
14. CONTRACTOR SHALL COORDINATE UNDERGROUND ELECTRIC SERVICE CONNECTION WITH CARTERSVILLE ELECTRIC SYSTEM FOR CONDUIT SIZE AND BURIED DEPTH REQUIREMENT.
15. GAS METER BY GAS COMPANY.
16. CONTRACTOR SHALL COORDINATE UNDERGROUND GAS SERVICE CONNECTION WITH CARTERSVILLE GAS SYSTEM.
17. CONTRACTOR SHALL COORDINATE UNDERGROUND TELEPHONE SERVICE CONNECTION WITH AT&T FOR CONDUIT SIZE AND BURIED DEPTH REQUIREMENT OF CONDUIT.
18. PROPOSED STORM DRAINAGE LINE (REFER TO GRADING AND DRAINAGE PLAN, SHEET No. C-3.0).
19. SANITARY AND STORM CROSSING:
PROP. 6" PVC SANITARY
INV. = 781.9
0.2' CLEAR
TOP = 781.7
PROP. 18" HDPE STORM
INV. = 780.2

UTILITY TESTING AND DISINFECTING NOTES

HYDROSTATIC PRESSURE AND LEAKAGE TESTS SHALL BE CONDUCTED ON ALL NEWLY INSTALLED WATER DISTRIBUTION SYSTEM PRESSURE PIPES AND APPURTENANCES. THE TESTS SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF AWWA C600 OR M23 AS APPLICABLE.

DISINFECTING OF THE WATER DISTRIBUTION SYSTEM SHALL BE PERFORMED IN ACCORDANCE WITH AWWA C651 DISINFECTING WATER MAINS.

THE CONTRACTOR SHALL MAKE PROVISIONS TO PROTECT THE ACTIVE EXISTING MAIN FROM BACKFLOW CONTAMINATION DURING FILLING, FLUSHING, AND TESTING OF THE NEW MAIN, AS SPECIFIED IN ANSI/AWWA C651-99.

NOTE: FLUSHING TIME SHALL BE AT LEAST THAT AMOUNT OF TIME NEEDED TO FLUSH TWO TIMES THE PIPE VOLUME AFTER 3 FPS VELOCITY IS REACHED OR UNTIL CLEAR, WHICHEVER IS LONGER.



Chick-fil-A
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Atlanta, Georgia 30349-2998

INTERPLAN

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PROJECT MANAGEMENT

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SEAL:
THIS DOCUMENT IS NOT FOR CONSTRUCTION
UNLESS THE ARCHITECT OR ENGINEER'S
SIGNATURE AND SEAL APPEAR BELOW.

STUART ANDERSON, P.E.
GA. REG. # PE038342

CHICK-FIL-A
SAR Cherokee Place FSR
115 CHEROKEE PLACE
CARTERSVILLE, GEORGIA 30121

FSR# 00534

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
1	01/09/18	DIR. COMMENTS
3	02/20/18	CITY COMMENTS
4	03/06/18	ELEC. UTILITY COMMENTS

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SHEET SITE UTILITY PLAN

SHEET NUMBER

PS-1.0