



REVISIONS	
1	CITY COMMENTS 10-15-20
2	CITY COMMENTS 10-22-20
3	UPDATED CHIPOTLE CRITERIA 11-25-20

SITE UTILITY NOTES

1. ALL WATER METERS, EXISTING AND PROPOSED, SHALL BE ADJUSTED AS NECESSARY TO BE FLUSH WITH "AS-CONSTRUCTED" FINISHED GRADES.
2. THE CONTRACTOR SHALL ADJUST ALL MANHOLE COVERS, VALVE COVERS, CLEAN OUTS, VALVES & BOXES EXISTING AND PROPOSED, TO "AS-CONSTRUCTED" FINISHED GRADES.
3. CONTRACTOR IS TO COORDINATE INSTALLATION OF GAS LINES WITH LOCAL GAS COMPANY. CONTRACTOR SHALL COORDINATE THE TYPING IN OF INDIVIDUAL GAS METERS TO THE MAIN. CONTRACTOR, IN CONJUNCTION WITH THE GAS COMPANY SHALL DETERMINE THE AMOUNT OF GAS LINE HE IS TO PROVIDE OUTSIDE THE GAS COMPANY'S ALLOWANCE.
4. REFER TO INTERIOR PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES.
5. THE LOCATION AND ELEVATION OF EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW PIPE LINES AND ALL CONFLICTS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION. DRAWINGS DO NOT PURPORT TO SHOW ALL EXISTING UTILITIES.
6. THRUST BLOCKS SHALL BE LOCATED AT ALL WATER PIPE VALVES, VERTICAL BENDS, AND VERTICAL ELBOWS AND TEES, HORIZONTAL ELBOWS AND TEES. FIRE HYDRANTS SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH WPIA BULLETIN NO. 24, SECTION 86, PARAGRAPHS 502, 503, 505, AND TABLE 902.
7. SANITARY SEWER LINE SHALL BE OF DUCTILE IRON PIPE AT ALL LOCATIONS WHERE SANITARY LINE CROSSES ABOVE OR BELOW A STREET OR OVER A WATER MAIN.
8. SANITARY SEWER CLEAN CUTS SHALL BE INSTALLED AT ALL BENDS AND AT A MAXIMUM SPACING OF 75 (SEVENTY-FIVE) FEET.
9. WHEN WATER MAINS CROSS SEWERS, A MINIMUM VERTICAL SEPARATION OF 10 INCHES MUST BE PROVIDED BETWEEN TWO PIPE LINES. AT EDGE TO EDGE, AT CROSSINGS, ONE FULL LENGTH OF WATER PIPE MUST BE LOCATED SO THAT BOTH JOINTS ARE AS FAR FROM THE OTHER AS POSSIBLE. AT SANITARY SEWER INSTALLATION, A HORIZONTAL SEPARATION OF 10 FEET SHALL BE PROVIDED FROM ANY EXISTING OR PROPOSED WATER MAINS. CROSSINGS (MEASURED EDGE TO EDGE).
10. LINES UNDERGROUND SHALL BE INSTALLED, TESTED AND APPROVED BEFORE BACKFILLING.
11. EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NECESSARY RELOCATION OF EXISTING UTILITIES SUCH AS POWER AND TELEPHONE POLES AND THE COORDINATION OF SUCH THE PROPER UTILITY OWNER.
13. THE PUBLIC WORKS COMMISSION SHALL BE NOTIFIED 24 HOURS PRIOR TO ANY WATER OR SEWER LINE CONSTRUCTION OR REPAIRS.
14. ALL WATER MAIN MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CITY OF CARTERSVILLE "ZONING ORDINANCES" LATEST EDITION.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL RECORD DRAWINGS SHOWING "AS-BUILT" CONDITIONS. THESE "RECORD DRAWINGS" SHALL BE MADE AVAILABLE TO THE DESIGNER AND OR THE CITY ENGINEER UPON REQUEST. THE MARKUPS SHALL BE AT THE SITE AT ALL TIMES AND SHALL BE UTILIZED TO DEVELOP FINAL RECORD DRAWINGS.
16. THE CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO COMMENCEMENT OF ANY WATER OR SEWER EXTENSION ACTIVITY AND BEFORE COVERING ANY WATER OR SEWER EXTENSIONS IN ORDER TO COORDINATE REQUIRED INSPECTIONS.
17. UTILITIES SHALL BE INSTALLED AT THE SITE OF CONTRACTOR TO A POINT INSIDE THE BLDG. FOOTPRINT.
18. AN EXISTING COORDINATE MEASUREMENT DOCUMENTS PREPARED BY THE CITY ATTORNEY'S OFFICE (SHALL BE PROVIDED PRIOR TO REQUESTING NATURAL GAS SERVICE EASEMENT) SHALL BE PROVIDED BY THE OWNER/DEVELOPER TO THE CITY ATTORNEY'S OFFICE FOR PREPARATION OF THE EASEMENT DOCUMENTS.
19. ALL EARTH WORK AND/OR CURBING IN THE AREAS OF THE PROPOSED NATURAL GAS FACILITIES SHALL BE COMPLETED PRIOR TO THE INSTALLATION OF THE PROPOSED NATURAL GAS FACILITIES.
20. COORDINATE THE INSTALLATION AND COSTS (IF ANY) OF THE PROPOSED NATURAL GAS FACILITIES WITH MICHAEL DICKSON OF THE GAS SYSTEM AT 770.387.5842.
21. THE INSTALLATION OF THE PROPOSED NATURAL GAS FACILITIES SHALL BE COMPLETED PRIOR TO ANY AND ALL PAVING WITHIN THE AREAS OF THE PROPOSED NATURAL GAS FACILITIES. PAVING PLACED PRIOR TO THE INSTALLATION OF THE PROPOSED NATURAL GAS FACILITIES REQUIRING REMOVAL FOR THE INSTALLATION OF THE PROPOSED GAS FACILITIES SHALL BE REMOVED AND REPLACED BY THE DEVELOPER AT THE DEVELOPER'S EXPENSE.
22. THE PROPOSED NATURAL GAS METER SHALL NOT BE LOCATED WITHIN 36" OF ANY ELECTRICAL METER, ELECTRICAL BOX OR WALL OPENING (SUCH AS BUT NOT LIMITED TO INTAKE/EXHAUST VENTS, DOORS, WINDOWS, ETC).
23. THE TOTAL CONNECTED LOAD AND REQUESTED DELIVERY PRESSURE (7" W.C. 5 PSIG OR 30 PSIG-NORMAL) SHALL BE PROVIDED TO THE GAS SYSTEM OFFICES AT 770.387.5842 PRIOR TO REQUESTING NATURAL GAS SERVICE.
24. THE CITY OF CARTERSVILLE GAS SYSTEM WILL OR CAUSE TO PROVIDE AND APPLY STRAW OR HAY MULCH TO A DEPTH OF 8" OVER ALL AREAS DISTURBED SPECIFICALLY BY THE CONSTRUCTION OF THE NATURAL GAS FACILITIES WITHIN THE DEVELOPMENT PROVIDED NO FURTHER DISTURBANCE OF SUCH AREAS ARE PLANNED WITHIN 30 DAYS OF INITIAL INSTALLATION OR AS REQUIRED BY THE LOCAL JURISDICTION.
25. THE DEVELOPER WILL OR CAUSE TO MAINTAIN OR RE-APPLY SUCH EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY OR REQUIRED TO COMPLY WITH ALL LOCAL, STATE AND FEDERAL EROSION AND SEDIMENT CONTROL REQUIREMENTS AFTER INITIAL APPLICATION AS REQUIRED BY #1 ABOVE.
26. THE DEVELOPER WILL OR CAUSE TO PROVIDE, INSTALL, MAINTAIN AND REMOVE ANY AND ALL EROSION AND SEDIMENT CONTROL MEASURES NECESSARY OR REQUIRED TO COMPLY WITH ALL LOCAL, STATE AND FEDERAL EROSION AND SEDIMENT CONTROL REQUIREMENTS WHICH MAY BE ASSOCIATED WITH THE CONSTRUCTION OF THE NATURAL GAS FACILITIES WITHIN THE DEVELOPMENT OTHER THAN #1 ABOVE.
27. ANY AND ALL SILT AND EROSION CONTROL DEVICES IN CONFLICT WITH THE CONSTRUCTION OF THE PROPOSED NATURAL GAS FACILITIES SHALL BE RELOCATED OR REMOVED AND REPLACED BY AND AT THE EXPENSE OF THE DEVELOPER.

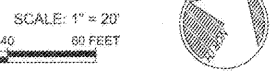
CARTERSVILLE ELECTRIC SYSTEM NOTES

1. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE ELECTRICAL SERVICE PRIOR TO CONSTRUCTION (770-387-5833).
2. ALL SERVICE INSTALLATIONS SHALL COMPLY WITH THE CURRENT NATIONAL ELECTRICAL CODE.
3. ANY TRENCHING OR CUTTING OF EXISTING CONCRETE OR ASPHALT SHALL BE PERFORMED 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. 90 SHROUS, TRERS 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.
9. EROSION & SEDIMENT CONTROL SHALL BE ADDRESSED AS FOLLOWS:
 - a. CES SHALL APPLY STRAW OR HAY MULCH OVER ALL AREAS DISTURBED SPECIFICALLY BY THE CONSTRUCTION OF THE CES ELECTRICAL FACILITIES WITHIN THE DEVELOPMENT.
 - b. THE CONTRACTOR SHALL MAINTAIN OR RE-APPLY SUCH EROSION AND SEDIMENT CONTROL MEASURES AS REQUIRED TO COMPLY WITH ALL LOCAL, STATE AND FEDERAL EROSION AND SEDIMENT CONTROL REQUIREMENTS AFTER INITIAL APPLICATION BY CARTERSVILLE ELECTRIC SYSTEM.
10. THE CONTRACTOR SHALL PROVIDE, INSTALL, MAINTAIN AND REMOVE ANY AND ALL EROSION AND SEDIMENT CONTROL MEASURES NECESSARY OR REQUIRED TO COMPLY WITH ALL LOCAL, STATE AND FEDERAL EROSION AND SEDIMENT CONTROL REQUIREMENTS. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO THOSE WHICH MAY BE ASSOCIATED WITH THE CONSTRUCTION OF THE CES ELECTRICAL FACILITIES WITHIN THE DEVELOPMENT, WITH THE EXCEPTION OF THE MEASURES LISTED IN THESE NOTES AS BEING COMPLETED BY CES.
11. ANY AND ALL BMPs IN CONFLICT WITH THE PROPOSED CES CONSTRUCTION SHALL BE RELOCATED OR REMOVED AND REPLACED BY AND AT THE EXPENSE OF THE DEVELOPER.
12. UNLESS OTHER ARRANGEMENTS ARE MADE BETWEEN ALL AFFECTED PARTIES (INCLUDING CES), ALL PROPOSED UTILITY EASEMENTS SHALL BE CLEARLY MARKED AND LABELED ON THE JOB SITE BY A PROFESSIONAL SURVEYOR AT THE CONTRACTOR'S EXPENSE.
13. ANY REQUESTED RELOCATION OF CES POLES OR OTHER FACILITIES SHALL BE DONE AT THE CUSTOMER'S EXPENSE. RELOCATIONS WILL BE DONE AT THE DISCRETION OF CES, AND ONLY AFTER RELOCATION COSTS HAVE BEEN PAID IN FULL.

PRIOR TO BID, CONTRACTOR SHALL CONTACT NECESSARY UTILITY PROVIDER(S) REGARDING ANY ON OR OFF-SITE UTILITY RELOCATION TO DETERMINE SCOPE AND COST. CONTRACTOR SHALL PROVIDE OWNER WITH FINDINGS.

PRIOR TO CONSTRUCTION, CONTRACTOR SHALL CONTACT NECESSARY UTILITY PROVIDER(S), OWNER(S) & THE DESIGN ENGINEER TO SETUP AN ON-SITE MEETING TO COORDINATE ANY UTILITY RELOCATION.

UTILITY PLAN



CARTERSVILLE WATER/SEWER NOTES

1. Contact Tony Jordan, 770-825-2749, for determination of water and sewer capacity lots.
2. Contact Chellie, 678-247-4153, for all grease trap and back flow coordination.
3. The owner/developer shall be responsible for all cost associations with requesting water and sewer service to the development. Adjustments and additions to the water and sewer piping shown on these plans may be necessary to accommodate differences in existing utility measurements in the field or due to needed modifications determined at the time of construction.
4. The design engineer is responsible for identification of conflicts with the existing water and sewer lines and the proposed work of the project. The owner/developer shall be responsible for any necessary relocations, repairs, or improvements to the existing water and sewer systems made necessary by the construction of this project whether identified on the plans or note.
5. A pre-construction meeting on site will be required prior to construction. Contact Ed Mullins, 770-697-8269.
6. See attached markup of C-3 for other.

MATERIAL NOTES

1. SANITARY SEWER MATERIAL SHALL BE AS SHOWN ON THE PLANS.
2. SANITARY SEWER MATERIAL SHALL MEET THE MINIMUM REQUIREMENTS BELOW: 8" OR 24" PVC (FOR COVER BETWEEN 4' AND 7') PER ASTM D3034 OR DUCTILE IRON PIPE (DIP) (FOR COVER LESS THAN 4' AND GREATER THAN 10') PER ASTM A746 & A818/C150.
3. WATER LINES SHALL BE AS FOLLOWS: CORNER TUBING PER ASTM B88 TYPE K (LESS THAN 3'), 8" OR 21" PVC PER ASTM D2681, 12" TO 36".
4. PRECAST STRUCTURES MAY BE USED AT THE CONTRACTOR'S OPTION.
5. ALL CONCRETE TO HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 P.S.I.
6. PROVIDE SAFETY PLATFORMS IN ALL STRUCTURES GREATER THAN 18" IN DEPTH. PLATFORMS FOR STRUCTURES BETWEEN 20" & 24" ARE TO HAVE A MINIMUM OF ONE (1) PLATFORM INSTALLED AT THE MIDPOINT. STRUCTURES GREATER THAN 24" ARE TO HAVE PLATFORMS SPACED AT A MAXIMUM 10' ON CENTER.

UTILITIES SYMBOLS LEGEND

---	EX. GAS (TO REMAIN)	---	EX. TELEPHONE (TO REMAIN)
---	EX. POWER (TO REMAIN)	---	EX. SANITARY SEWER (TO REMAIN)
---	PROPOSED SANITARY SEWER	---	EX. WATER (TO REMAIN)
---	PROPOSED WATER	---	PROPOSED WATER
---	PROPOSED FIRE	---	PROPOSED FIRE
---	CLEAN OUT, C.O.	---	TEE
---	FIRE HYDRANT	---	ELBOW
---	METER	---	THRUST BLOCK
---	VALVE		

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