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**SITE UTILITY NOTES**

1. ALL WATER METERS, EXISTING AND PROPOSED, SHALL BE ADJUSTED AS NECESSARY TO BE FLUSH WITH GAS CONSTRUCTED FINISHED GRADES.
2. THE CONTRACTOR SHALL ADJUST ALL MANHOLE COVERS, VALVE COVERS, CLEAN OUTS, VALVS & BOXES EXISTING AND PROPOSED TO AB-CONSTRUCTED FINISHED GRADE.
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 PIPES LINES AND ALL CONTACTS 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. FIRE HYDRANTS SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH NFPA BULLETIN 94, SECTION 9. PARAGRAPHS 909, 908, AND TABLE 909.
7. SANITARY SEWER LINE SHALL BE OF DUCTILE IRON PIPE AT ALL LOCATIONS WHERE SANITARY LINE CROSSES ABOVE OR BELOW A STORM SEWER LINE.
8. SANITARY SEWER CLEAN OUTS SHALL BE INSTALLED AT ALL BENDS AND AT A MAXIMUM SPACING OF 75 FEET (SEVENTY-FIVE) FEET.
9. WHEN WATER MAINS CROSS SEWERS, A MINIMUM VERTICAL SEPARATION OF 2 FEET SHALL BE PROVIDED BETWEEN THE TWO PIPES (MEASURED EDGE TO EDGE). AT CROSSINGS, ONE PIPE ENDING IN WATER MUST BE LOCATED SO THAT BOTH JOINTS ARE AS FAR FROM THE SEWER AS POSSIBLE. FOR SANITARY WATER MAINS, A HORIZONTAL SEPARATION OF 10 FEET SHALL BE PROVIDED FROM ANY EXISTING OR PROPOSED WATER OR SERVICE LINES (MEASURED EDGE TO EDGE).
10. LINES UNDERGROUND SHALL BE INSTALLED, TESTED AND APPROVED BEFORE LIT.
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 REPAIRS OF EXISTING UTILITIES SUCH AS POWER AND TELEPHONE POLES AND THE COORDINATION OF SUCH THE PROPERTY UTILITY OWNER.
13. THE PUBLIC WORKS COMMISSION SHALL BE NOTIFIED 24 HRS PRIOR TO ANY WATER OR SEWER LINE CONSTRUCTION OR REPAIRS. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF ATLANTA AT 770-781-9180.
14. ALL WATER MAINS, WATER SERVICE LINES AND WATER SERVICE SHALL BE IN ACCORDANCE WITH THE FORSYTH COUNTY SPECIFICATIONS. TESTED.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A MARKED UP SET OF DESIGN DRAWINGS SHOWING "AS-BUILT" CONDITIONS. THESE RECORD DRAWINGS SHALL BE MADE AVAILABLE TO THE DESIGNER AND/OR THE CITY ENGINEER OR UTILITY ENGINEER. THE MARK-UPS SHALL BE AT THE SITE AT ALL TIMES AND SHALL BE UTILIZED TO CORRECT ANY RECORD DRAWINGS.
16. THE CONTRACTOR MUST 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 CERTIFICATIONS.

**MATERIAL NOTES**

1. SANITARY SEWER MATERIAL SHALL BE AS SHOWN ON THE PLANS.
2. WATER LINES SHALL BE AS FOLLOWS:  
 COPPER TUBING PER ASTM B36 TYPE K CLASS 150 (1" TO 3")  
 3/4" & 1" PVC PER ASTM D2241 (2" TO 3")  
 DUCTILE IRON PIPE (DIP) PER AWWA C151 CLASS 150 (4" OR LARGER) OR  
 C900 DIPS PVC PER AWWA C201 CLASS 150 (DR18 (4" TO 12")  
 POLYETHYLENE (PE) WATER PIPE AWWA C911 3DR 9 (20 PS) MINIMUM (UP TO 3 INCHES DIAMETER)

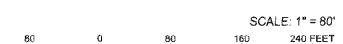
**UTILITIES SYMBOLS LEGEND**

---	---	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 FIRE
---	---	EX STORM (TO REMAIN)
---	---	PROPOSED STORM
○	○	SANITARY SEWER MANHOLE, MH
○	○	CLEAN OUT, C.O.
+	+	FIRE DEPARTMENT CONNECTION, FDC
●	●	POST INDICATOR VALVE, PIV
◇	◇	FIRE HYDRANT
■	■	METER
⊥	⊥	VALVE
	⊥	TEE
	⊥	ELBOW
	⊥	THRUST BLOCK

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.

**OVERALL UTILITY PLAN**



**ROBERSON LOIA ROOF ARCHITECTS & ENGINEERS**  
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**REVISIONS**

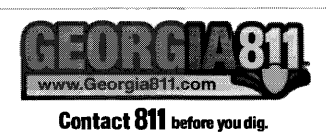
1	COUNTY COMMENTS	11-19-2020
2	COUNTY COMMENTS	12-01-2020

**OVERALL UTILITY PLAN**

DATE: 09/09/2020

PROJECT NUMBER: 19323

SHEET NUMBER: C - 3



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