

UTILITY NOTES

1. THIS SHEET IS FOR SANITARY SEWER, WATER LINE AND STORM DRAINAGE CONSTRUCTION ONLY. DO NOT USE FOR GRADING CONSTRUCTION.
2. ALL PIPE LENGTHS ARE HORIZONTAL DISTANCES AND ARE APPROXIMATE.
3. ALL WATER AND SANITARY SEWER BULKHEADS TO TERMINATE APPROXIMATELY FIVE FEET OUTSIDE THE BUILDING UNLESS OTHERWISE NOTED. THE END OF THESE SERVICE LINES SHALL BE TIGHTLY PLUGGED OR CAPPED AND MARKED UNTIL SUCH TIME AS CONNECTION IS MADE INSIDE BUILDING.
4. CONTRACTOR SHALL PROVIDE ALL THE MATERIALS AND APPURTENANCES NECESSARY FOR THE COMPLETE INSTALLATION OF THE UTILITIES. ALL PIPE AND FITTINGS SHALL BE INSPECTED BY THE WATER DEPARTMENT INSPECTOR PRIOR TO BEING COVERED. THE INSPECTOR MUST ALSO BE PRESENT DURING PRESSURE TESTING AND DISINFECTION OF MAINS AND HIS SIGNATURE OF APPROVAL IS REQUIRED.
5. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, REGULATIONS AND/OR LOCAL STANDARDS IMPOSED BY LOCAL UTILITY AND THE CITY.
6. CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE LOCAL UTILITY AUTHORITY FOR CONNECTION TO THE EXISTING MAINS.
7. ALL FIRE HYDRANTS ARE SIX-INCH DIAMETER WITH A 6-INCH DIAMETER LINE AND A SIX-INCH DIAMETER SHUT OFF VALVE. FIRE HYDRANTS SHALL BE SET SUCH THAT NOZZLE CONNECTIONS FACE THE FIRE LANE. FIRE HYDRANTS SHALL BE SET MINIMUM THREE FEET TO FIVE FEET BACK OF CURB.
8. ALL WATER LINES SHALL HAVE A MINIMUM COVER OF 48 INCHES ABOVE TOP OF PIPE, UNLESS NOTED OTHERWISE.
9. CONTRACTOR SHALL ADJUST LOCATION OF PROPOSED WATER LINES AS REQUIRED TO AVOID CONFLICTS WITH STORM SEWER OR OTHER UTILITIES.
10. THRUST BLOCKS SHALL BE PROVIDED AT ALL TEES, ELBOWS AND BENDS OF SUFFICIENT SIZE TO COMPLY WITH MINIMUM STANDARDS OF N.F.P.A. -24 FOR EXISTING SOIL CONDITIONS.
11. BASED ON SECTION 704.2 OF THE CURRENT EDITION OF THE UNIFORM PLUMBING CODE, CLEANOUTS ARE REQUIRED AT A MAXIMUM SPACING OF 75 FEET ON UTILITY LEAD-INS TO BUILDING. CONTRACTOR TO PROVIDE CLEANOUTS WITHIN FIVE FEET OF BUILDING.
12. ALL GATE VALVES TO BE PROVIDED WITH CAST IRON BOXES. SIZE OF GATE VALVE (WHERE TAP IS MADE INTO EXISTING WATER LINE) WILL BE DETERMINED BY THE WATER DEPARTMENT.
13. SHOULD LATENT SOIL CONDITIONS NECESSITATE, CONTRACTOR SHALL INSTALL SPECIAL SUPPORTS FOR PIPING AND/OR APPURTENANCES INCLUDING THE REMOVAL OF UNSUITABLE MATERIAL AND BACKFILLING WITH GRAVEL OR OTHER MATERIAL. CONTRACTOR SHALL PERFORM ANY SUCH WORK AS DIRECTED BY THE CIVIL ENGINEER AND/OR SOILS ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
14. THE SITE UTILITY CONTRACTOR SHALL COOPERATE AND WORK WITH OTHER CONTRACTORS ON THE SITE.
15. ALL MANHOLES OVER FIVE FEET IN DEPTH SHALL HAVE A STANDARD ECCENTRIC CONE.
16. ALL MATERIALS SHALL BE U.L. LISTED AND FACTORY MUTUAL APPROVED UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
17. EXISTING UTILITIES AND UNDERGROUND FACILITIES INDICATED ON THESE PLANS ARE BASED ON REFERENCE INFORMATION SUPPLIED BY VARIOUS OWNERS OF THE FACILITIES. THE ENGINEER DOES NOT ACCEPT THE RESPONSIBILITY FOR THE GRAPHICAL REPRESENTATION OF THE UTILITIES SHOWN, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES AND UNDERGROUND FACILITIES, BOTH HORIZONTALLY AND VERTICALLY, PRIOR TO CONSTRUCTION, TO TAKE NECESSARY PRECAUTIONS IN ORDER TO PROTECT ALL FACILITIES ENCOUNTERED, AND TO NOTIFY THE ENGINEER PROMPTLY OF ALL CONFLICTS OF THE WORK WITH EXISTING FACILITIES. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGE BY THE CONTRACTOR TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.
18. UTILITY CONTRACTOR SHALL VERIFY WITH LOCAL AND STATE AUTHORITIES THAT ALL EXISTING STREET LIGHT AND TRAFFIC SIGNAL WIRES HAVE BEEN LOCATED PRIOR TO CONSTRUCTION.
19. ALL WATER LINES SHALL BE C900, CLASS 200 PVC AND UTILIZE MEGALUG FITTINGS.
20. INSTALL BLUE EMS MARKERS ON WATER LINE AT EVERY CHANGE IN DIRECTION, VALVES, FIRE HYDRANT, AND SERVICE.
21. UTILITY LEAD-INS TO BUILDING SHALL NOT BE INSTALLED UNTIL BUILDING PLANS ARE COMPLETED AND LOCATIONS ESTABLISHED ON THE ARCHITECTURAL PLUMBING PLANS. LEAD-INS MAY CHANGE 15 FEET HORIZONTALLY AND THREE FEET VERTICALLY PRIOR TO INSTALLATIONS AT NO ADDITIONAL COST TO OWNER. LOCATION, SIZE AND INVERT ELEVATIONS OF SANITARY SEWER SHALL BE COORDINATED WITH THE APPROVED PLUMBING PLANS FOR THE BUILDING.
22. ALL TRENCHES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND THE STANDARDS THEREIN AND APPLICABLE STATE AND LOCAL REGULATIONS.
23. CONTRACTOR SHALL REFER TO SITE GEOTECHNICAL REPORT FOR RECOMMENDATIONS ON COMPACTING AND BACKFILLING TRENCHES. IF NO TRENCH COMPACTION RECOMMENDATIONS ARE PROVIDED, TRENCHES BENEATH OR WITHIN FIVE FEET OF PAVEMENT SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR DENSITY AT A MOISTURE CONTENT BETWEEN OPTIMUM TO FIVE PERCENT ABOVE OPTIMUM. TRENCHES OUTSIDE OF PAVED AREAS SHALL BE COMPACTED TO A MINIMUM 95% OF STANDARD PROCTOR DENSITY AT A MOISTURE CONTENT BETWEEN OPTIMUM TO FIVE PERCENT ABOVE OPTIMUM.
24. TRENCHES SHALL BE TESTED FOR COMPACTION AT A MINIMUM OF ONE TEST PER 300 LINEAR FEET PER LAYER.
25. TRENCHES ENTERING THE BUILDING SHALL BE BACKFILLED WITH CLAY SOIL MATERIAL WITH P.I. EXCEEDING 30 WITHIN FIVE FEET OF THE BUILDING.
26. ANY WATER OR SANITARY SEWER SERVICE LOCATED OUTSIDE OF A STREET RIGHT-OF-WAY, ALLEY OR EASEMENT SHALL BE INSTALLED BY A PLUMBER AND BE INSPECTED BY CODE ENFORCEMENT.
27. FIRE SPRINKLER LINE SHALL BE SIZED AND INSTALLED BY A STATE LICENSED FIRE SPRINKLER CONTRACTOR. FIRE DEPARTMENT TO INSPECT PRIOR TO COVERING FIRE LINE.

* THESE NOTES ARE FOR PRIVATE ON-SITE CONSTRUCTION. ALL OTHER CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE CONSTRUCTED IN COMPLIANCE WITH LOCAL CITY CODES AND DETAILS.

NOTE:

- 1.) ALL REFERENCES TO "CITY" SHALL MEAN "CITY OF ROCKWALL".
- 2.) ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF ROCKWALL AND NORTH TEXAS COUNCIL OF GOVERNMENT STANDARD SPECIFICATIONS. (3rd EDITION)



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SEAL ON THIS DOCUMENT AUTHORIZED BY:



SEAL ID:
 DATE:

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CLIENT PROJECT NO: 00-01

NO.	DATE	SUBJECT	REVISION OR ISSUE
1	XXXXXX	X	REVISION NAME

PROJECT NO: WA # 12
 PROJECT MANAGER: JUSTIN BOSWICK
 DESIGNED: JUSTIN BOSWICK
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UTILITY NOTES

DRAWING NO: