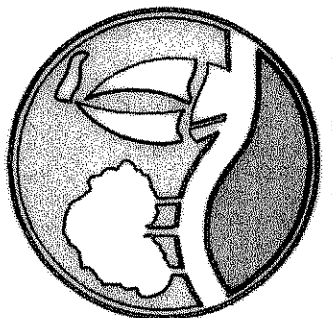


1. ALL PIPE LENGTHS ARE HORIZONTAL DISTANCES AND ARE APPROXIMATE.
2. CONTRACTOR SHALL PROVIDE ALL THE MATERIALS AND APPURTENANCES NECESSARY FOR THE COMPLETE INSTALLATION OF THE UTILITIES. ALL PIPE AND FITTINGS SHALL BE INSPECTED BY THE WATER DEPARTMENT INSPECTOR PRIOR TO BEING COVERED. THE INSPECTOR MUST ALSO BE PRESENT DURING PRESSURE TESTING AND DISINFECTION OF MAINS AND HIS SIGNATURE OF APPROVAL IS REQUIRED.
3. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, REGULATIONS, AND/OR LOCAL STANDARDS IMPOSED BY LOCAL UTILITY AND THE CITY.
4. THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE LOCAL UTILITY AUTHORITY FOR CONNECTION TO THE EXISTING MAINS.
5. ALL FIRE HYDRANTS ARE 6" DIAMETER WITH A 6" DIAMETER LINE AND A 6" DIAMETER SHUT OFF VALVE. FIRE HYDRANTS SHALL BE SET SUCH THAT NOZZLE CONNECTIONS FACE THE BUILDING, STREET, OR FIRE LANE. FIRE HYDRANTS SHALL BE SET 4' TO 8' BEHIND BACK OF CURB UNLESS OTHERWISE NOTED. ALL FIRE HYDRANTS SHALL HAVE A MINIMUM OF 5' CLEARANCE.
6. ALL WATER LINES SHALL HAVE A MINIMUM COVER OF 48" MEASURED FROM TOP OF PIPE TO TOP OF FINISHED PAVEMENT UNLESS A GREATER DEPTH IS REQUIRED BY CITY STANDARDS.
7. CONTRACTOR SHALL ADJUST LOCATION OF PROPOSED WATER LINES AS REQUIRED TO AVOID CONFLICTS WITH STORM SEWER OR OTHER UTILITIES. A MINIMUM OF 2' OF CLEARANCE SHALL BE MAINTAINED WITH STORM DRAIN AND SANITARY SEWER CROSSINGS.
8. THRUST BLOCKS SHALL BE PROVIDED AT ALL "TEES, ELBOWS, CAPS, PLUGS, FIRE HYDRANTS AND BENDS" OF SUFFICIENT SIZE TO COMPLY WITH MINIMUM STANDARDS OF N.F.P.A. - 24 FOR EXISTING SOIL CONDITIONS.
9. 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.
10. 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.
11. ALL STORM DRAIN PIPE TO BE CLASS III REINFORCED CONCRETE PIPE (RCP) UNLESS OTHERWISE NOTED IN PLANS.
12. ALL MANHOLES OVER FIVE (5) FEET IN DEPTH SHALL HAVE A STANDARD CONCENTRIC CONE.
13. ALL MATERIALS SHALL BE U.L. LISTED AND FACTORY MUTUAL APPROVED UNLESS DIRECTED OTHERWISE BY THE ENGINEER. WATER - CLASS 200 PVC. SEWER - SDR-35 FOR LINES LESS THAN 10' DEEP, SDR-26 FOR DEPTHS GREATER THAN 10'
14. EXISTING UTILITIES AND UNDERGROUND FACILITIES INDICATED ON THESE PLANS HAVE BEEN LOCATED FROM REFERENCE INFORMATION SUPPLIED BY VARIOUS OWNERS OF THE FACILITIES. THE ENGINEER DOES NOT ACCEPT RESPONSIBILITY FOR THE UTILITY LOCATIONS SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY BOTH HORIZONTALLY AND VERTICALLY THE LOCATION OF ALL EXISTING UTILITIES AND UNDERGROUND FACILITIES 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 DAMAGES BY THE CONTRACTOR TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.
15. CONTRACTOR SHALL REFER TO SITE GEOTECHNICAL REPORT FOR DETAILS ON COMPACTING, BACKFILL, PROOFROLLING AND TESTING. IF NO COMPACTION DATA IS PROVIDED, TRENCHES BENEATH PAVEMENT SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY AND TRENCHES OUTSIDE OF PAVED AREAS SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY.
16. COORDINATE WITH PUBLIC ELECTRIC UTILITY COMPANY TO STABILIZE EXISTING POWER POLES DURING TRENCH CONSTRUCTION.
17. ALL TRENCHES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL APPLICABLE STATE AND LOCAL REGULATIONS.
18. ALL CONSTRUCTION SHALL COMPLY WITH THE CITY STANDARD CONSTRUCTION DETAILS AND NCTCOG 3rd EDITION.
19. CONTRACTOR SHALL ADJUST ALL EXISTING AND PROPOSED SURFACE UTILITIES TO MATCH FINISHED GRADES.
20. ALL WATER MAINS SHALL BE C900 PVC, CLASS 200.
21. CONCRETE ENGAGEMENT SHALL BE INSTALLED WHERE SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER OR THE INSPECTOR. THIS WORK SHALL BE SUBSIDIARY TO THE COST OF THE UTILITY AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
22. BLUE EMS DISKS SHALL BE INSTALLED AT EVERY CHANGE IN DIRECTION, VALVE, AND SERVICE.
23. GREEN EMS DISCS SHALL BE INSTALLED AT EVERY MANHOLE, CLEAN OUT, AND SERVICE.
24. PIPE USED FOR WASTEWATER COLLECTION SYSTEMS SHALL BE PVC PIPE CONFORMING TO THE STANDARD SPECIFICATIONS FOR CONSTRUCTION. THE WASTEWATER PIPELINE SHALL BE SDR-35, AND SHALL HAVE A MINIMUM EARTH COVER OF THREE FEET (3'). FOR DEPTHS OF TEN FEET (10') OR GREATER, THE WASTEWATER PIPELINE SHALL BE A MINIMUM OF SDR-26.

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.

RECORD DRAWING

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ROCKWALL TECHNOLOGY
 PARK
 PHASE I
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UTILITY GENERAL NOTES



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