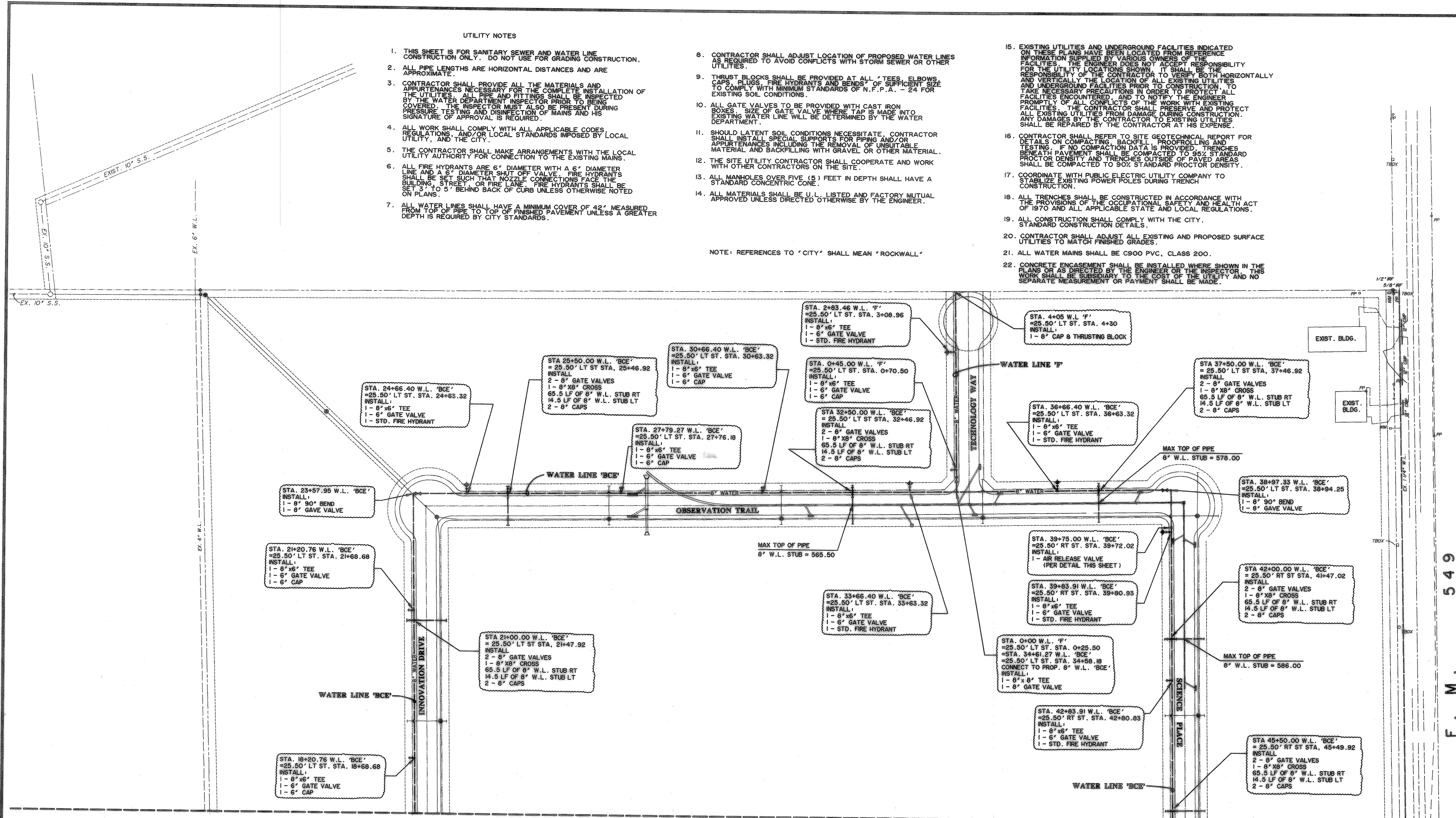


UTILITY NOTES

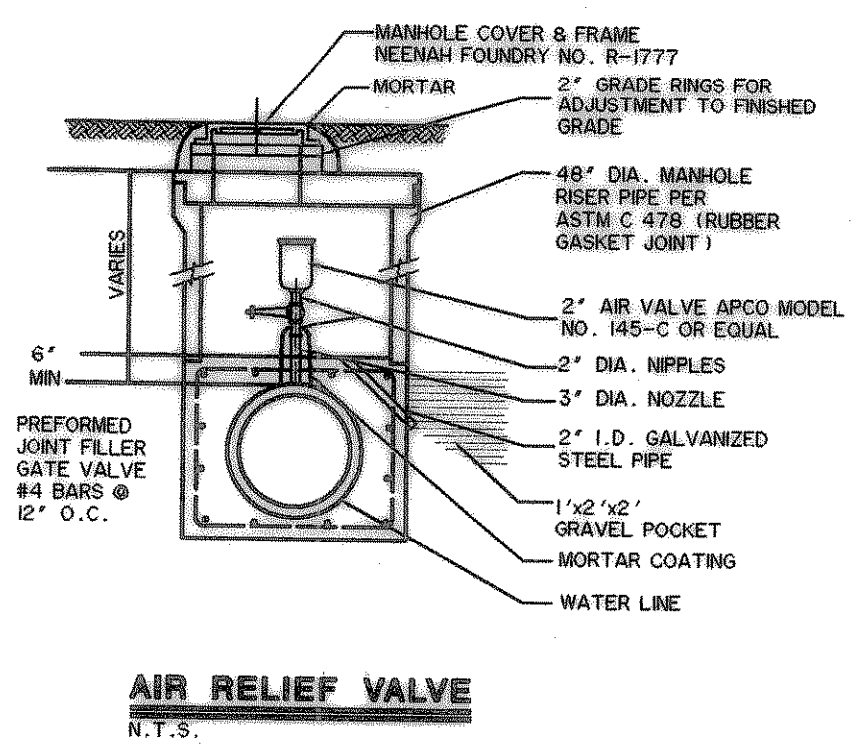
- THIS SHEET IS FOR SANITARY SEWER AND WATER LINE CONSTRUCTION ONLY. DO NOT USE FOR GRADING CONSTRUCTION.
- ALL PIPE LENGTHS ARE HORIZONTAL DISTANCES AND ARE APPROXIMATE.
- CONTRACTOR SHALL PROVIDE ALL THE MATERIALS AND APPURTENANCES NECESSARY FOR THE COMPLETE INSTALLATION OF THE UTILITIES. ALL PIPE 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.
- ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, REGULATIONS, AND/OR LOCAL STANDARDS IMPOSED BY LOCAL UTILITY, AND THE CITY.
- THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE LOCAL UTILITY AUTHORITY FOR CONNECTION TO THE EXISTING MAINS.
- 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 LINE. FIRE HYDRANTS SHALL BE SET TO 5' BEHIND BACK OF CURB UNLESS OTHERWISE NOTED ON PLANS.
- ALL WATER LINES SHALL HAVE A MINIMUM COVER OF 42" MEASURED FROM TOP OF PIPE TO TOP OF FINISHED PAVEMENT UNLESS A GREATER DEPTH IS REQUIRED BY CITY STANDARDS.
- CONTRACTOR SHALL ADJUST LOCATION OF PROPOSED WATER LINES AS REQUIRED TO AVOID CONFLICTS WITH STORM SEWER OR OTHER UTILITIES.
- 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.
- 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.
- 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.
- THE SITE UTILITY CONTRACTOR SHALL COOPERATE AND WORK WITH OTHER CONTRACTORS ON THE SITE.
- ALL MANHOLES OVER FIVE (5) FEET IN DEPTH SHALL HAVE A STANDARD CONCENTRIC CONE.
- ALL MATERIALS SHALL BE U.L. LISTED AND FACTORY MUTUAL APPROVED UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

- 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. 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.
- 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 90% STANDARD PROCTOR DENSITY.
- COORDINATE WITH PUBLIC ELECTRIC UTILITY COMPANY TO STABILIZE EXISTING POWER POLES DURING TRENCH CONSTRUCTION.
- 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.
- ALL CONSTRUCTION SHALL COMPLY WITH THE CITY STANDARD CONSTRUCTION DETAILS.
- CONTRACTOR SHALL ADJUST ALL EXISTING AND PROPOSED SURFACE UTILITIES TO MATCH FINISHED GRADES.
- ALL WATER MAINS SHALL BE C900 PVC, CLASS 200.
- CONCRETE ENCASUREMENT 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 TRENCH AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.

NOTE: REFERENCES TO "CITY" SHALL MEAN "ROCKWALL"



MATCH LINE - SEE SHEET NO. 29-A



**RECORD DRAWINGS**

These as-built or record drawings (or corrected specifications) have been prepared, in part, on the basis of information compiled and furnished by others. The Engineer will not be responsible for any errors or omissions which have been incorporated into this document as a result.

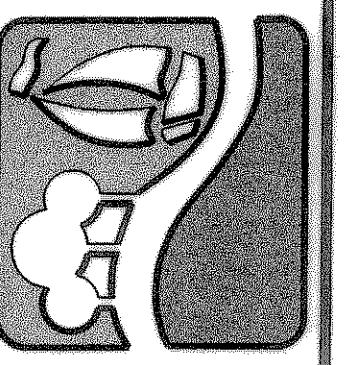
**BENCHMARKS:**

CITY MON. NO. 2  
LOCATED ON THE NORTHWEST CORNER OF THE BRIDGE @ I-30 AND F.M. 549  
ELEVATION 609.56

"I" CUT IN THE CENTER OF A 4 FOOT HEADWALL LOCATED AT THE NORTHEAST CORNER OF F.M. 549 AND STATE HIGHWAY 276  
ELEVATION 592.75



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**ROCKWALL TECHNOLOGY PARK**

**WATER UTILITY PLAN**



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