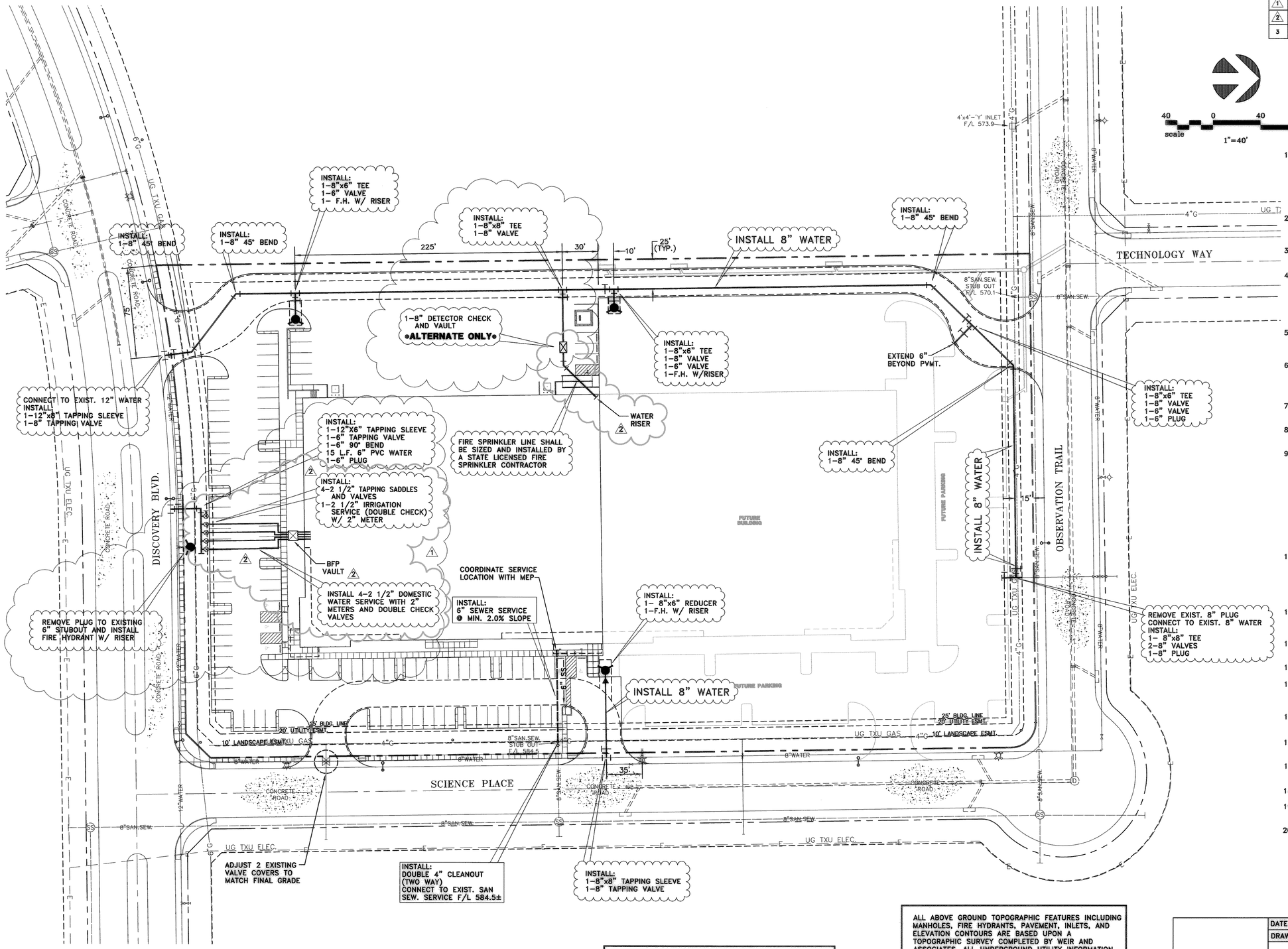
NO.	DATE	REVISION	APPROV.
1	8/30/00	REVISED LOCATION WATER SERVICES	JFW
2	10/09/01	REVISED PER CONSTRUCTION RECORDS	JFW
3			



UTILITY NOTES

1. CONTRACTOR SHALL PROVIDE ALL THE MATERIALS AND APPURTENANCE 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.
2. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES. REGULATIONS, AND/OR LOCAL STANDARDS IMPOSED BY LOCAL UTILITY, AND THE CITY.
3. THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE LOCAL UTILITY AUTHORITY FOR CONNECTION TO THE EXISTING MAINS.
4. ALL FIRE HYDRANTS ARE 6" DIAMETER WITH A 6" DIAMETER LINE AND A 6" DIAMETER SHUT OFF VALUE. FIRE HYDRANTS SHALL BE SET SUCH THAT NOZZLE CONNECTIONS FACE THE BUILDING, STREET, OF FIRE LANE. FIRE HYDRANTS SHALL BE SET 3' TO 5' BEHIND BACK OF CURB UNLESS OTHERWISE NOTED ON PLANS.
5. THE CONTRACTOR SHALL ADJUST LOCATION OF PROPOSED WATER LINES AS REQUIRED TO AVOID CONFLICTS WITH STORM SEWER OF OTHER UTILITIES.
6. THRUST BLOCKS SHALL BE PROVIDED AT ALL "TEES, ELBOWS, CAPS, PLUGS, FIRE HYDRANTS AND BENDS" OF SUFFICIENT SIZE TO COMPLY WITH MINIMUM STANDARD OF N.F.P.A. – 24 FOR EXISTING SOIL CONDITIONS.
7. ALL GATE VALUES TO BE PROVIDED WITH CAST IRON BOXES.
8. THE SITE UTILITY CONTRACTOR SHALL COOPERATE AND WORK WITH OTHER CONTRACTORS ON THE SITE.
9. THE 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 FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGE BY THE CONTRACTOR TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.
10. CONTRACTOR SHALL REFER TO SITE GEOTECHNICAL REPORT FOR DETAILS ON COMPACTING, BACKFILLING, PROOFROLLING AND TESTING. IF NO COMPACTING DATA IN 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.
11. 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.
12. ALL CONSTRUCTION SHALL COMPLY WITH THE CITY OF ROCKWALL STANDARD CONSTRUCTION DETAILS.
13. ALL WATER MAINS SHALL BE C900 PVC CLASS 200 WATER PIPE.
14. ALL WATER MAINS SHALL HAVE MINIMUM COVER AS FOLLOWS: 48" BELOW FINISHED STREET GRADE OR 60" DEPTH IN UNIMPROVED STREETS OR AS REQUIRED TO CLEAR OTHER UTILITIES.
15. ALL WASTEWATER MAINS WHERE PVC PIPE IS USED SHALL BE ASTM 3034 (SDR-35) OR ASTM F789/D3212.
16. SET NOZZLE OF FIRE HYDRANT AT HEIGHT OF 18" TO 24" ABOVE FINISHED GROUND ELEVATION.
17. THE MAXIMUM ALLOWABLE TRENCH WIDTH FOR ALL PIPE THROUGH 12" DIAMETER SHALL BE 32".
18. REFER TO GRADING PLAN FOR GENERAL NOTES.
19. DETECTOR CHECK VAULT ACCESS COVER TO BE DESIGNED FOR HS-20 VEHICULAR TRAFFIC LOADS.
20. ALL METERS TO BE INSTALLED BY THE CITY. CONTRACTOR SHALL SUPPLY METER BOXES, ETC.

!! CAUTION !!

EXISTING AND/OR PROPOSED UTILITIES IN AREA. CONTRACTOR SHALL CONTACT THE PROPER UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. THESE CONTACTS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING COMPANIES:

TXU ELECTRIC	972-485-6277
TXU GAS	1-800-725-0934
NORTH TEXAS CABLE COM.	972-771-0202
SOUTHWESTERN BELL TELEPHONE	214-320-5307

ALL ABOVE GROUND TOPOGRAPHIC FEATURES INCLUDING MANHOLES, FIRE HYDRANTS, PAVEMENT, INLETS, AND ELEVATION CONTOURS ARE BASED UPON A TOPOGRAPHIC SURVEY COMPLETED BY WEIR AND ASSOCIATES. ALL UNDERGROUND UTILITY INFORMATION BASED ON IMPROVEMENT PLAN FOR ROCKWALL TECHNOLOGY PARK PREPARED BY WEIR & ASSOCIATES, INC. DATED JANUARY 1999.

RECORD DRAWING

2 BASED ON CONTRACTOR MARKUPS, NOT FIELD SURVEY.

STATE OF TEXAS — JAMES F. WALDBAUER — 65670 — REGISTERED PROFESSIONAL ENGINEER — 10/9/01

DATE: JULY 2000	SCALE: 1"=40'	JOB NO.: 00-226
DRAWN: GBW	DESIGN: JFW	REVIEWED: BRG	DWG: WAT-SEW.DWG

REDC PHASE I OFFICE/WAREHOUSE
WATER-WASTEWATER

ROCKWALL ECONOMIC DEVELOPMENT CORPORATION

Grantham, Burge & Waldbauer Engineers, Inc.
1919 S. SHILOH ROAD, SUITE 530, L.B. 27
GARLAND, TEXAS 75042
(972) 840-1916 (TEL)
(972) 840-2156 (FAX)