

DOUBLE CHECK DETECTOR CHECK VAULT DETAIL

WATER LINE GENERAL NOTES

- ALL WORK, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE CITY OF ROCKWALL STANDARD SPECIFICATIONS.
- ALL 6", 8", AND 12" WATER MAINS SHALL BE PVC AWWA C900, DR 18, CLASS 200 WATER PIPE. FOR PVC SERVICE TAPS 1" AND LARGER, TAPPING SADDLES SHALL BE USED.
- DEPTHS OF WATER LINES TO MEET THE CITY OF ROCKWALL DESIGN CRITERIA. UTILITIES IN TxDOT R.O.W. TO MEET CRITERIA APPROVED IN TxDOT PERMIT.
- FIRE HYDRANTS TO BE CITY OF ROCKWALL APPROVED.
- VALVES TO BE CITY OF ROCKWALL APPROVED.
- THE CONTRACTOR SHALL FURNISH A MAINTENANCE BOND TO THE CITY TO RUN TWO (2) YEARS FROM THE DATE OF ACCEPTANCE OF THE SYSTEM BY THE CITY. THE MAINTENANCE BOND WILL NEED TO BE ON THE CITY'S STANDARD FORM.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING "RECORD DRAWING" PLANS TO THE ENGINEER SHOWING THE LOCATION OF WATER SERVICES AND VALVES.
- FIRE HYDRANTS SHALL BE PAINTED AS PER CITY OF ROCKWALL STANDARDS AND SPECIFICATIONS AND LOCATED IN A PROTECTED AREA WITH 6" CURB OR BOLLARDS.
- STEAMER NOZZLES ON FIRE HYDRANTS SHALL BE 18" ABOVE THE TOP OF THE CURB ON FINISHED GRADE, AND SHALL FACE THE CENTER OF THE FIRE LANE OR STREET. FIRE HYDRANTS SHALL USUALLY BE LOCATED FOUR (4) FEET, BUT NOT LESS THAN TWO (2) FEET NOR MORE THAN SIX (6) FEET, BEHIND THE CURB.
- ALL WATER LINES SHALL BE HYDROSTATICALLY TESTED PER CITY OF ROCKWALL STANDARDS AND SPECIFICATIONS.
- ALL WATER LINES SHALL BE STERILIZED PER CITY OF ROCKWALL STANDARDS AND SPECIFICATIONS.
- ALL METER BOXES SHALL BE LOCATED IN NON-TRAFFIC AREAS AND PROTECTED BY 6" CURB OR BOLLARDS.
- THE HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING SUBSURFACE UTILITIES HAVE BEEN DETERMINED FROM RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY THAT NECESSARY CLEARANCES BETWEEN EXISTING AND PROPOSED UTILITIES EXIST PRIOR TO THE CONSTRUCTION OF ANY SUCH CROSSING.
- UTILITY TRENCHES SHALL BE BACKFILLED WITH MATERIAL PER CITY OF ROCKWALL SPECIFICATIONS.
- ANCHOR FITTINGS SHALL BE USED TO ATTACH FIRE HYDRANTS.
- ALL WATER SERVICES OUTSIDE OF EASEMENTS SHALL BE INSTALLED BY A PLUMBER.
- CONTRACTOR TO INCLUDE ALL CITY WATER AND SEWER FEES IN BID. PAY CITY IMPACT FEES FOR WATER & S.S.
- ALL FIRE LINES TO BE INSTALLED BY TEXAS LICENCED SPRINKLER CONTRACTOR.
- IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL PUBLIC UTILITIES IN THE CONSTRUCTION OF THIS PROJECT; ALL MANHOLES, CLEANOUTS, VALVE BOXES, FIRE HYDRANTS, SEWER LATERALS, WATER SERVICE, ETC. CONTRACTOR WILL BEAR COST OF REPLACING OR REPAIRING ANY UTILITIES DAMAGED BY THIS WORK.
- THE FIRELINE AND HYDRANTS SHALL BE INSTALLED AND OPERATING PRIOR TO BUILDING CONSTRUCTION, IF REQUIRED BY LOCAL AUTHORITIES.

GENERAL NOTES:

- AN APPROVED DOUBLE CHECK DETECTOR CHECK IS REQUIRED ON ALL PRIVATE FIRE LINES AND FIRE SPRINKLER SYSTEM YARD LINES.
- IN LIEU OF A CONCRETE FLOOR, 12" THICK WASHED ROCK MAY BE USED.
- DUCTILE IRON PIPE IS REQUIRED INSIDE THE VAULT.
- VAULT DOORS SHALL BE LIFT ASSISTED AND RATED FOR ALL ANTICIPATED TRAFFIC LOADS. (INCLUDE SPECIFICATIONS)
- SHOW REQUIRED BYPASS CONFIGURATION ON 24" MINIMUM SIDE OF VALVE. (TOP VIEW)

SANITARY SEWER GENERAL NOTES

- ALL WORK, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE CITY OF ROCKWALL STANDARD SPECIFICATIONS.
- THE HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING SUBSURFACE UTILITIES HAVE BEEN DETERMINED FROM DATA RECORDED BY OTHERS. CONTRACTOR SHALL VERIFY THAT NECESSARY CROSSING CLEARANCES BETWEEN EXISTING AND PROPOSED UTILITIES EXIST PRIOR TO CONSTRUCTION OF ANY SUCH CROSSING.
- CONTRACTOR SHALL COORDINATE WITH THE OWNER, ENGINEER OR HIS REPRESENTATIVE AND CITY REPRESENTATIVE REGARDING ANY DEVIATIONS FROM THESE PLANS.
- CONTRACTOR SHALL MAINTAIN ONE SET OF RECORD DRAWINGS (AS BUILT) ON SITE WHICH WILL BE SUBMITTED TO THE ENGINEER UPON COMPLETION OF THIS PROJECT.
- IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL PUBLIC UTILITIES IN THE CONSTRUCTION OF THIS PROJECT; ALL MANHOLES, CLEANOUTS, VALVE BOXES, FIRE HYDRANTS, SEWER LATERALS, WATER SERVICE, ETC. CONTRACTOR WILL BEAR COST OF REPLACING OR REPAIRING ANY UTILITIES DAMAGED BY THIS WORK.
- SANITARY SEWER PIPE SHALL CONFORM TO CITY SPECIFICATIONS AND SHALL BE MANUFACTURED FROM ONE OF THE FOLLOWING MATERIALS:
 - a. Polyvinyl/Chloride (PVC) Diameter 4" - 15"
 - ASTM D 3034 SDR 35
- SANITARY SEWER PIPE MUST BE KEPT CLEAR OF BROKEN CONCRETE, DIRT OR ANY OTHER DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS.
- ALL SANITARY SEWER MAINS ARE TO HAVE 1-21" JOINT CENTERED ON EITHER SIDE OF WATER MAINS WHERE CROSSING OCCUR.
- CONTRACTOR SHALL TIE A 1" WIDE PIECE OF RED PLASTIC FLAGGING TO THE END OF SEWER SERVICE AND SHALL LEAVE A MINIMUM OF 36" OF FLAGGING EXPOSED AFTER BACKFILL. AFTER CURB AND PAVING IS COMPLETED, CONTRACTOR SHALL MARK THE LOCATION OF THE SEWER SERVICE ON THE CURB IN ACCORDANCE WITH THE STANDARD CITY SPECIFICATIONS.
- THE CONTRACTOR SHALL FURNISH A MAINTENANCE BOND TO THE CITY TO RUN 2 YEARS FROM THE DATE OF FINAL ACCEPTANCE OF THE SYSTEM BY THE CITY OF ROCKWALL.
- ALL SANITARY SEWER LATERALS SHALL BE SIZED AND LOCATED AS SHOWN.
- CONTRACTOR TO INCLUDE ALL REQD. BONDS, TAP FEES, CAMERA FEES IN PROPOSAL.

AS BUILT
DATE 08/05/98

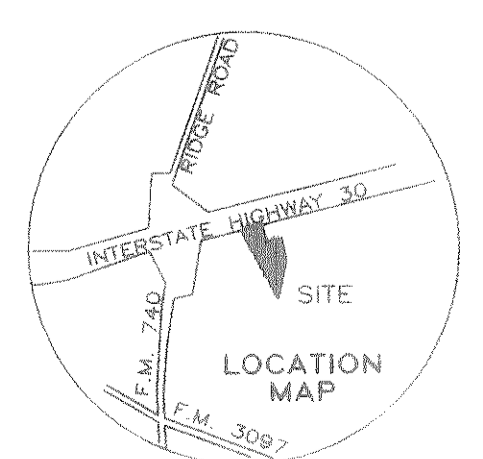
BENCHMARK = TOP OF DISK ON CONCRETE MONUMENT NO. 7 OF CITY OF ROCKWALL SURVEY CONTROL MONUMENTS LOCATED AT THE EAST SIDE OF SIDS ROAD AND SOUTH SIDE OF IH 30 SERVICE ROAD. ELEV = 566.25

NOTE:
TOPOGRAPHIC BOUNDARY SURVEY, INCLUDING PROPERTY LINES, LEGAL DESCRIPTION, EXISTING UTILITIES, SITE TOPOGRAPHY WITH SPOT ELEVATIONS, OUTSTANDING PHYSICAL FEATURES AND EXISTING STRUCTURE LOCATIONS WAS PROVIDED BY:

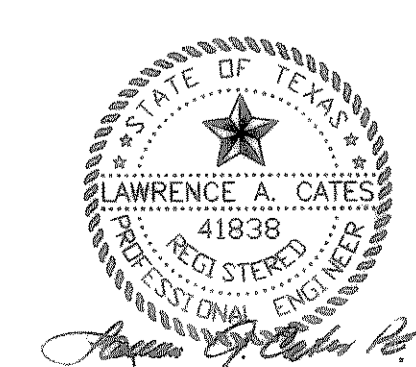
ROCKWALL SURVEYING COMPANY, INC.
2231 RIDGE ROAD SUITE 202
ROCKWALL, TEXAS 75087
(972) 722-1878

LAWRENCE A. CATES AND ASSOCIATES WILL NOT BE HELD RESPONSIBLE FOR ITS ACCURACY OR FOR DESIGN ERRORS OR OMISSIONS RESULTING FROM POTENTIAL SURVEY INACCURACIES.

2.366 ACRES
103,041.258 S.F.



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY LAWRENCE A. CATES, P.E. 41838 ON 01-30-98



DESIGN		DRAWN		DATE		SCALE		NOTES		D.P.		FILE		NO.	
LAC	LAC			11/97		1"=20'		D.P.		97062		WATSEW			C-1

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