

SANITARY SEWER GENERAL NOTES

1. ALL WORK, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE CITY OF ROCKWALL STANDARD SPECIFICATIONS & NCTCOG 3rd EDITION STDS.
2. 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.
3. CONTRACTOR SHALL COORDINATE WITH THE OWNER, ENGINEER OR HIS REPRESENTATIVE AND CITY REPRESENTATIVE REGARDING AND DEVIATIONS FROM THESE PLANS.
4. CONTRACTOR SHALL MAINTAIN ONE SET OF RECORD DRAWINGS (AS BUILT) ON SITE WHICH WILL BE SUBMITTED TO THE ENGINEER UPON COMPLETION OF THIS PROJECT.
5. 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.
6. THE CONTRACTOR SHALL SET UTILITIES TO PROPER LINE AND GRADE PRIOR TO THE PLACING OF PERMANENT PAVEMENT.
7. SANITARY SEWER PIPE SHALL CONFORM TO CITY SPECIFICATIONS AND SHALL BE MANUFACTURED FROM ONE OF THE FOLLOWING MATERIALS:

a. Polyvinyl/Chloride (PVC)	Diameter
SDR 35	4" - 15"

 ALL PIPE WITHIN AN EASEMENT TO BE 8" SDR 35 PVC
8. SANITARY SEWER PIPE MUST BE KEPT CLEAR OF BROKEN CONCRETE, DIRT OR ANY OTHER DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS.
9. ALL SANITARY SEWER MAINS ARE TO HAVE 1-21' JOINT CENTERED ON EITHER SIDE OF WATER MAINS WHERE CROSSING OCCUR.
10. 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.
11. THE CONTRACTOR SHALL FURNISH A MAINTENANCE BOND (10%) TO THE CITY TO RUN 2 YEARS FROM THE DATE OF FINAL ACCEPTANCE OF THE SYSTEM BY THE CITY OF ROCKWALL.
12. ALL SANITARY SEWER LATERALS SHALL BE SIZED AND LOCATED AS SHOWN.
13. CONTRACTOR TO INCLUDE ALL REQUIRED MAINTENANCE BONDS AND INSPECTION FEES IN PROPOSAL.
14. CONTRACTOR TO VERIFY RIM ELEVATION OF ALL MANHOLES PRIOR TO INSTALLATION. COORDINATION WITH UTILITY CONTRACTORS & SUBCONTRACTORS IS REQUIRED. THERE WILL BE NO CHANGE ORDERS ALLOWED FOR LOWERING OR RAISING OF MANHOLES DUE TO ELEVATION ERRORS AND REGRADING.
15. ALL MANHOLES TO BE PAMTIGHT 24" AS MANUFACTURED BY CERTAINTEED CORPORATION.
16. INSTALL GREEN EMS DISK AT EVERY MANHOLE, CLEANOUT, AND SERVICE ON SANITARY SEWER LINES.

WATER LINE GENERAL NOTES

1. ALL WORK AND MATERIALS, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR CITY OF ROCKWALL & NCTCOG 3rd EDITION STDS.
2. ALL 6" AND 8" WATER MAINS (NON FIRE) SHALL BE PVC AWWA C900, DR 18, CLASS 200 WATER PIPE. FOR PVC SERVICE TAPS 1" AND LARGER, TAPPING SADDLES SHALL BE USED.
3. ALL WATER MAINS SHALL HAVE MINIMUM COVER AS FOLLOWS: 6"& 8": MIN. 42" BELOW FINISHED PAVEMENT GRADE, OR 60" BELOW EXISTING OR FINISHED GRADE IN UNPAVED AREAS, OR AS REQUIRED TO CLEAR OTHER UTILITIES.
4. FIRE HYDRANTS TO BE CITY OF ROCKWALL APPROVED.
5. VALVES TO BE CITY OF ROCKWALL & NCTCOG 3rd EDITION APPROVED.
6. THE WATER METER BOX SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AFTER THE PAVING CONTRACTOR HAS COMPLETED THE FINE GRADING BEHIND THE BACK OF THE CURB. EACH SERVICE LOCATION WILL BE MARKED ON THE PAVEMENT OR CURB, WITH A BLUE DOT BY THE UTILITY CONTRACTOR AND TIED TO PROPERTY CORNERS ON THE "RECORD DRAWINGS."
7. THE CONTRACTOR SHALL FURNISH A MAINTENANCE BOND (10%) TO THE CITY TO RUN TWO (2) YEARS FROM THE DATE OF ACCEPTANCE OF THE SYSTEM BY THE CITY.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING "RECORD DRAWING" PLANS TO THE ENGINEER SHOWING THE LOCATION OF WATER SERVICES AND VALVES.
9. FIRE HYDRANTS SHALL BE PAINTED AS PER CITY OF ROCKWALL STANDARDS AND SPECIFICATIONS AND LOCATED IN A PROTECTED AREA WITH 6" CURB OR BOLLARDS.
10. 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.
11. ALL WATER LINES SHALL BE HYDROSTATICALLY TESTED PER CITY OF ROCKWALL STANDARDS AND SPECIFICATIONS.
12. ALL WATER LINES SHALL BE STERILIZED PER CITY OF ROCKWALL STANDARDS AND SPECIFICATIONS.
13. ALL METER BOXES SHALL BE LOCATED IN NON-TRAFFIC AREAS AND PROTECTED BY 6" CURB OR BOLLARDS.
14. 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.
15. UTILITY TRENCHES SHALL BE BACKFILLED WITH MATERIAL PER CITY OF ROCKWALL SPECIFICATIONS.
16. ALL FITTINGS SHALL BE MEGALUG.
17. ALL WATER SERVICES OUTSIDE OF EASEMENTS SHALL BE INSTALLED BY A PLUMBER.
18. CONTRACTOR TO INCLUDE ALL CITY REQUIRED MAINTENANCE BOND, INSPECTION FEE FOR PUBLIC WORK, AND METER FEES IN BID. OWNER TO PAY IMPACT FEES.
19. FIRE LINES TO BE SIZED & INSTALLED BY STATE OF TEXAS LICENSED FIRE SPRINKLER CONTRACTOR.

1	09-16-09	INITIAL SUBMITTAL TO CITY OF ROCKWALL
2	10-15-09	REVISED SUBMITTAL TO THE CITY OF ROCKWALL

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WATER & SANITARY SEWER GENERAL NOTES						
RANCH TRAIL CORNERS						
LOT 20, BLOCK A, RAINBO ACRES ADDITION						
N.E.C. HORIZON ROAD (F.M. 3097) AND RANCH TRAIL DR.						
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS						
DESIGN	DRAWN	CHECKED	SCALE	DATE	FILE	SHEET
Walls	Lovecchio	Martinez		08/15/09	9005	C-10

