



STANDARD NOTES FOR SEWER IMPROVEMENT PLANS

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, (LATEST EDITION), THE SAN DIEGO STANDARD SPECIAL PROVISIONS TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, (ADOPTED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE), THE SAN DIEGO REGIONAL STANDARD DRAWINGS (LATEST EDITION) AND THE FOLLOWING SPECIAL PROVISIONS:

1. TRENCH WIDTH SHALL BE PER SDRSD NO. S-4 UNLESS OTHERWISE NOTED.
2. PIPE AND BEDDING CONDITIONS:
 - (A) ALL PIPE SHALL HAVE 4" MINIMUM OF $\frac{3}{4}$ " CRUSHED ROCK BENEATH THE PIPE.
 - (B) V.C.P. AND A.B.S TRUSS PIPE BEDDING FROM BOTTOM OF PIPE TO 12" MINIMUM ABOVE THE PIPE SHALL BE SAND, GRAVEL, CRUSHED AGGREGATE, NATIVE FREE-DRAINING GRANULAR MATERIAL HAVING A SAND EQUIVALENT OR 30 OR BETTER.
 - (C) P.V.C. AND A.B.S. SOLID WALL PIPE BEDDING FROM BOTTOM OF PIPE TO 12" MINIMUM ABOVE THE PIPE SHALL BE $\frac{3}{4}$ " CRUSHED ROCK. A.B.S. SOLID WALL PIPE MAY BE USED ONLY WHERE PIPE INVERT GRADES ARE 1% OR GREATER.
3. AFTER COMPLETION OF PIPE LAYING, ALL MAIN LINE SEWERS, SEWER SERVICE LATERALS AND STRUCTURES SHALL BE TESTED IN THE PRESENCE OF THE INSPECTOR. AIR PRESSURE TEST SHALL BE USED UNLESS OTHERWISE DIRECTED BY THE INSPECTOR.
4. THE CONSTRUCTION OF P.C.C. SEWER MANHOLE SHALL BE PER SDRSD NO. S-17. POURED IN PLACE MANHOLE BASES SHALL BE A MONOLITHIC POUR FINISHED COMPLETE AT TIME OF POUR. PRECAST MANHOLE BASES ARE ACCEPTABLE FOR USE WITH 8-INCH COLLECTOR SYSTEMS WITH INSPECTOR'S APPROVAL.

5. THE CONSTRUCTION OF 4-INCH SEWER LATERAL PER SDRSD NO'S S-13 AND S-14. LATERALS SHALL NOT DISCHARGE DIRECTLY INTO MANHOLE.
6. THE CONSTRUCTION OF CONCRETE ANCHOR WALLS PER SDRSD NO. S-10, TYPE A.
7. ALL MAINS AND LATERALS SHALL BE CONSTRUCTED WITH 42-INCH MINIMUM COVER.
8. THE FINAL LOCATION AND ELEVATION OF SEWER AND WATER MAINS AND LATERALS SHALL BE SHOWN ON ORIGINAL AS-BUILT PLANS PRIOR TO ACCEPTANCE OF WORK.
9. ALL DESIGN CHANGES OF SEWER MAINS SHALL BE APPROVED BY THE DISTRICT ENGINEER IN WRITING PRIOR TO ACCEPTANCE FOR PUBLIC USE.
10. FILL AREAS MUST BE COMPLETED TO 90% PRIOR TO PIPE INSTALLATION.
11. THE CONTRACTOR SHALL NOTIFY THE DISTRICT'S FIELD OPERATIONS DIVISION 48 HOURS IN ADVANCE OF BEGINNING WORK TO ARRANGE FOR INSPECTION OF PROJECT. PHONE NO. 633-2770.
12. CONTRACTOR SHALL OBTAIN A PERMIT FROM THE CITY'S ENGINEERING SERVICES DEPARTMENT FOR ANY EXCAVATION WITHIN EXISTING CITY RIGHTS-OF-WAY.
13. THE CONTRACTOR SHALL AND HEREBY DOES GUARANTEE ALL WORK FOR A PERIOD OF ONE YEAR AFTER THE DATE OF ACCEPTANCE OF THE WORK BY THE OWNER AND SHALL REPAIR OR REPLACE ANY OR ALL SUCH WORK, TOGETHER WITH ANY OTHER WORK WHICH MAY BE DISPLACED IN SO DOING, THAT MAY PROVE DEFECTIVE IN WORKMANSHIP AND/OR MATERIALS WITHIN THE ONE-YEAR PERIOD FROM DATE OF ACCEPTANCE WITHOUT EXPENSE WHATSOEVER TO THE OWNER, EXCEPTING ORDINARY WEAR AND TEAR, UNUSUAL ABUSE OR NEGLIGENCE.
14. CONTRACTOR SHALL FURNISH AND INSTALL, PER SPECIFICATIONS, THE APPROPRIATE BURIED UTILITY WARNING AND IDENTIFICATION

TAPE ABOVE ALL PUBLIC SEWER LINES, AND PORTIONS OF SEWER LATERALS LOCATED WITHIN PUBLIC RIGHT-OF-WAY OR EASEMENTS.

15. FOR SEWER LATERAL TABLE, SEE SHEET 2.
16. "AS BUILT" DRAWINGS MUST BE SUBMITTED PRIOR TO FINAL ACCEPTANCE OF THE WORK.
17. THE DEVELOPER MAY BE REQUIRED TO GRADE AN ACCESS ROAD TO MAINTAIN ANY PUBLIC SEWERS CONSTRUCTED WITHIN EASEMENTS AND MAY BE REQUIRED TO DEDICATE ADDITIONAL ACCESS EASEMENTS TO MAINTAIN THE PUBLIC SEWERS.
18. WASTEWATER DISCHARGE PERMITS AND PLUMBING PERMITS ARE REQUIRED PRIOR TO CONNECTION TO SYSTEM.
19. NEW SEWER MAINS LESS THAN 36" IN DIAMETER SHALL BE INSPECTED BY CLOSED CIRCUIT TELEVISION AFTER COMPLETION OF TRENCHING BACKFILL AND FINISHED GRADING BUT PRIOR TO PLACEMENT OF PAVEMENT OR PERMANENT TRENCH RESURFACING. CONTRACTOR SHALL PROVIDE FOR TELEVISION INSPECTION. (SEE 306.1.4.8)