

SEWER NOTES

Notes may be modified to suit project, but NOT solely to reduce standard requirements. Changes must be brought to the attention of the Sanitation Department during plan check. Last revised: 3/8/2017, by EA/BC

For Improvement Plans:

1. ALL SEWER IMPROVEMENTS SHALL BE DONE IN ACCORDANCE WITH THIS PLAN, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, THE SAN DIEGO REGIONAL STANDARD DRAWINGS (SDRSD), AND THE CITY OF VISTA STANDARD DRAWINGS (COVSD), ALL AS LAST AMENDED. WHERE CONFLICTS ARISE, THE MORE STRINGENT SHALL PREVAIL.
2. CONTRACTOR SHALL OBTAIN A PERMIT FOR ANY EXCAVATION WITHIN THE RIGHT-OF-WAY OR SEWER EASEMENT.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEERING DEPARTMENT 48 HOURS IN ADVANCE OF BEGINNING WORK TO ARRANGE FOR INSPECTION (24-HOUR PHONE: (760-639-6113)).
4. TRENCH WIDTH AND TRENCHING SHALL BE PER COVSD No. SWR-11 OR AS SHOWN ON THE PLANS.
5. PIPE BEDDING AND TRENCH BACKFILL SHALL BE IN ACCORDANCE WITH COVSD No. SWR-11. FILL AREAS MUST BE COMPACTED TO MINIMUM 90 PERCENT RELATIVE COMPACTION PRIOR TO PIPE INSTALLATION.
6. ALL NEW SEWER MAINS SHALL BE A MINIMUM OF 8-INCH (MIN.) PVC (SDR 35), GREEN, WITH 7 (SEVEN) FEET MINIMUM COVER PER PLANS. CURVES OR RUNS OVER 300 FEET BETWEEN APPROVED MANHOLES REQUIRE SPECIAL DISTRICT APPROVAL IN WRITING.
7. EACH LOT, AND/OR CONDOMINIUM SPACE SHALL BE SERVED BY A SEPARATE PRIVATE 4-INCH PVC (SDR 35) SEWER LATERAL SET AT A MINIMUM GRADE OF TWO PERCENT (2%), AND WITH A MINIMUM INVERT DEPTH OF FIVE AND A HALF (5 ½) FEET BELOW GRADE AT THE EDGE OF THE PUBLIC RIGHT OF WAY PER COVSD No. SWR-17. EACH LATERAL SHALL INCLUDE A 4-INCH CLEANOUT WITHIN A ROUND CONCRETE UTILITY BOX AND LID MARKED "SEWER" AS CLOSE AS POSSIBLE TO THE RIGHT-OF-WAY PER COVSD No. SWR-25. METAL LID REQUIRED IN TRAVELED WAY. CONNECTION OF A PRIVATE LATERAL INTO AN EXISTING PUBLIC SEWER MAIN SHALL USE A STANDARD PVC WYE GASKETED SADDLE SAW CUT OR BORED INTO THE MAIN IN AN APPROVED MANNER. NO LATERAL SHALL DISCHARGE DIRECTLY INTO A PUBLIC MANHOLE. AN INSCRIBED "S" SHALL BE MARKED ON THE CURB DIRECTLY ABOVE LOCATION OF THE SEWER LATERAL. ANY PRIVATE SEWER LATERALS 6-INCH OR LARGER SHALL REQUIRE A MANHOLE AT THE MAIN LINE CONNECTION.
8. THE INSTALLATION OF PCC SEWER MANHOLES SHALL BE PER COVSD No. SWR-3 OR SWR-4. PRECAST MANHOLE BASES ARE ACCEPTABLE FOR USE WITH 8-THROUGH 12-INCH COLLECTOR SYSTEMS. INSTALLATION OF MANHOLE BASE AROUND EXISTING SEWER PIPE IS NOT PERMITTED.
9. ADJUSTMENT, RECONSTRUCTION, REHABILITATION, OR REPLACEMENT OF SEWER MANHOLES SHALL BE IN CONFORMANCE WITH COVSD No. SWR-33. THE CITY/ DISTRICT ENGINEER OR HIS REPRESENTATIVE, UPON INSPECTION, SHALL DETERMINE THE EXTENT OR TYPE OF RECONSTRUCTION, REHABILITATION, OR

REPLACEMENT NEEDED TO BRING THE MANHOLE STRUCTURE TO CURRENT STANDARDS, AND IF TESTING IS REQUIRED.

10. AFTER COMPLETION OF PIPE LAYING AND THE INSTALLATION OF ALL SEWER STRUCTURES, AND BEFORE PAVING, ALL MAIN LINE SEWERS, PRIVATE SEWER SERVICE LATERALS, AND STRUCTURES SHALL BE TESTED IN THE PRESENCE OF THE CITY/DISTRICT ENGINEER OR HIS REPRESENTATIVE. THE SEWER MAINS SHALL FIRST BE WAYNE BALLED, MANDRELED, AIR TESTED, AND THEN TELEVISED. MANHOLES SHALL BE VACUUM TESTED IN COMPLIANCE WITH ASTM C 1244-93.
11. THE INTERNAL CONDITION OF ALL SEWER FACILITIES WITHIN THE RIGHT-OF-WAY SHALL BE ASSESSED BY CLOSED-CIRCUIT TELEVISED (CCTV) AS FOLLOWS:
 - A. PRE-CONSTRUCTION: NO GRADING OR TRENCHING WILL BE PERMITTED BEFORE CCTV INSPECTION. CCTV INSPECTION PERFORMED ON _____.
 - B. POST-TELEVISING CCTV INSPECTION OF ALL NEW AND EXISTING SEWER IMPROVEMENTS IS REQUIRED BEFORE FINAL PAVING OR ACCEPTANCE OF SEWER MAINS, LATERALS, AND APPURTENANCES.
 - C. CCTV INSPECTION SCHEDULE AND VIDEO TAPE REVIEW FEES: CONTRACTOR IS REQUIRED TO CONTACT THE SANITATION STAFF AT (760) 726-1340, EXTENSION 5417 OR 5432 TO SCHEDULE THE TELEVISING INSPECTION AND PAY APPLICABLE FEES.
 - D. SUBMITTAL REQUIREMENTS (MIN.): THE TV INSPECTION SHALL BE PERFORMED ONLY BY A CITY-APPROVED FIRM WITH NATIONAL ASSOCIATION OF SEWER SERVICE COMPANIES (NASSCO) CERTIFIED INSPECTORS. THE CONTRACTOR SHALL SUBMIT TO THE CITY/DISTRICT ENGINEER COLOR CCTV ON CD-ROM WITH VERBAL DESCRIPTION, WRITTEN MANUSCRIPT OF THE PERTINENT DIALOGUE, A DIGITAL FILE OF THE TV INSPECTION DATABASE, AND STILL PICTURES. MINIMAL INFORMATION SHALL INCLUDE; PROJECT NAME, DRAWING NO., DATE & TIME, LINE ID AND LOCATION, PIPE SIZE AND MATERIAL, FOOTAGE, LATERAL LOCATION FROM THE UPSTREAM MANHOLE, AND ANY DEFECTS OR PROBLEM AREAS. VIDEO AND REPORT SHALL BE PERFORMED USING NASSCO PIPELINE ASSESSMENT AND CERTIFICATION PROGRAM (PACP) STANDARDS AT THE EXPENSE OF THE CONTRACTOR. FINAL ACCEPTANCE OF THE IMPROVEMENTS IS SUBJECT TO DISTRICT REVIEW AND APPROVAL.
12. MANHOLE COVERS FOR PRIVATE SEWER SYSTEMS SHALL HAVE "PRIVATE SEWER" CAST INTO THE LID. PUBLIC COVERS SHALL HAVE "CITY OF VISTA" (OR "BUENA SANITATION DISTRICT") CAST INTO THE LID. MANHOLE COVERS AND RISER RINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH COVSD No. SWR-29 AND SWR-30.
13. DETAILED RECORD DRAWINGS SHALL BE MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION AND SUBMITTED TO THE ENGINEER OF WORK. "AS-BUILT" DRAWINGS SHALL BE SUBMITTED BY THE ENGINEER OF WORK TO THE CITY/DISTRICT INSPECTOR PRIOR TO ACCEPTANCE OF THE PUBLIC SEWER SYSTEM. FINAL LOCATION AND ELEVATION OF SEWER MAIN, MANHOLES, LATERALS, AND CLEANOUTS SHALL BE SHOWN ON THE RECORD DRAWING AND THE "AS-BUILT" DRAWINGS.
14. ENTRY TO MANHOLES IS PERMIT-REQUIRED CONFINED SPACE ENTRY (REF. SEC. 5156, 5157, AND 5158 OF CALIFORNIA OSHA TITLE 8 CCR GISO). SAID PERMIT AND PLAN MUST BE ISSUED BEFORE EACH ENTRY, MAINTAINED ONSITE AND PRESENTED TO CITY/DISTRICT ENGINEER UPON REQUEST.

15. AS EARLY AS POSSIBLE, THE CONTRACTOR SHALL SUBMIT A SANITARY SEWER OVERFLOW PREVENTION AND RESPONSE (SSOP&R) PLAN. PLAN MUST BE APPROVED BY THE CITY/DISTRICT ENGINEER BEFORE ANY WORK THAT MAY AFFECT ACTIVE PRIVATE OR PUBLIC SEWER FLOW. SHOULD A SPILL OCCUR, THE CONTRACTOR SHALL CONTAIN THE SEWAGE FROM ENTERING WATER SURFACE AREAS AND IMMEDIATELY CALL THE DISTRICT WASTEWATER DEPARTMENT AND INSPECTOR FOR INSPECTION, RESPONSE, AND REPORTING:

CITY OF VISTA/ BUENA SANITATION DISTRICT
(7:30 AM TO 3:30 PM)
(AFTER WORKING HOURS)

(760) 726-6328
(760) 825-3135

THE CONTRACTOR IS LIABLE FOR ANY AND ALL COSTS INCURRED BY THE CITY/DISTRICT FOR RESPONSE AND REPORTING, IN ADDITION TO ANY FINES AND PENALTIES THAT MAY APPLY (REF. COV/BSO SSOP&R, RWQCB 96-04).

16. THE DISTRICT RESERVES THE RIGHT TO APPROVE OR REQUIRE ANY NECESSARY CHANGES TO ENSURE THAT ALL ACTIVE MANHOLES ARE ACCESSIBLE THROUGH ALL PHASES OF CONSTRUCTION, AND THAT ALL FINISHED MANHOLES ARE LEGALLY AND PHYSICALLY ACCESSIBLE TO DISTRICT STANDARDS. [MIN. ESMT. 15' WIDE W / MIN. 12' WIDE DRIVE LANE MEETING: MIN. 4" CL III A.B. TO 10% GRADE, MIN. 2" A.C. OVER 6" CL II A.B. TO 20% WITH DRIVEWAY APRONS AND GATES PER COVSD SWR-21A THROUGH SWR-21D, SWR-22, AND SWR-23 AS REQUIRED].

ENGINEER STATEMENT: I HEREBY CERTIFY THAT I HAVE REVIEWED THE ATTACHED PLANS AND THAT THE PLANS PROVIDE FOR MANHOLE ACCESS BY IMPROVED AND RECORDED EASEMENT IN COMPLIANCE WITH SANITATION STANDARDS.

ENGINEER OF WORK RCE EXP DATE

SEWER NOTES

For use on Grading Plans accompanied by sewer improvement plans or that otherwise propose no public sewer construction

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2. ALL SEWER IMPROVEMENTS SHALL BE DONE IN ACCORDANCE WITH THIS PLAN, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, THE SAN DIEGO REGIONAL STANDARD DRAWINGS (SDRSD), AND THE CITY OF VISTA STANDARD DRAWINGS (COVSD), ALL AS LAST AMENDED. WHERE CONFLICTS ARISE, THE MORE STRINGENT SHALL PREVAIL.
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PRESENTED TO CITY/DISTRICT ENGINEER UPON REQUEST. NON-COMPLIANCE MAY RESULT IN DEATH, FINES, OR IMPRISONMENT.

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