

GENERAL WATER NOTES

1. THE CITY WATER DEPARTMENT'S "CHIEF WATER OPERATOR" IS REQUIRED TO APPROVE AND MONITOR ALL WORK ASSOCIATED WITH TIE-INS, HOT TAPPING, CONNECTIONS AND ALTERATIONS TO THE WATER SYSTEM. APPROVED PLANS DO NOT CONSTITUTE AN APPROVAL TO PERFORM ANY WORK ON THE CITY WATER SYSTEM.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARDS, FIRE CODES, AND CURRENT APPLICABLE CITY OF SAN BUENAVENTURA ENGINEERING DESIGN STANDARDS AND STANDARD CONSTRUCTION DETAILS.
3. ALL WATER SYSTEM INSTALLATION MUST BE PERFORMED BY A CONTRACTOR POSSESSING A VALID CLASS "A" OR "C-34" STATE OF CALIFORNIA CONTRACTORS LICENSE AND CURRENT CITY BUSINESS LICENSE.
4. ALL PIPE MATERIALS SHALL BE C151 DUCTILE IRON OR C900 POLYVINYL CHLORIDE PIPE (PVC), IN ACCORDANCE WITH CURRENT ANSI/AWWA STANDARDS. DUCTILE IRON PIPE SHALL BE MINIMUM PRESSURE CLASS 350. PVC PIPE SHALL BE MINIMUM CLASS 305 DR 14.
5. ALL VALVE OPERATIONS SHALL BE PERFORMED BY, OR UNDER THE DIRECT SUPERVISION OF, THE CITY WATER DIVISION. COORDINATE VALVE OPERATION WITH THE CITY INSPECTOR.
6. ALL FITTINGS SHALL BE CEMENT MORTAR LINED DUCTILE IRON MECHANICAL JOINT TYPE. ALL MECHANICAL JOINTS (MJ) SHALL BE MEGALUG.
7. ALL PIPES, FITTINGS, AND FIXTURES CONVEYING WATER SHALL BE "LEAD FREE" AS DEFINED BY AB 1953.
8. ALL METALLIC NUTS, BOLTS, AND FLANGE AREAS SHALL BE COATED WITH "NO-OX-ID" OR AS APPROVED BY CITY ENGINEER. ALL FITTINGS, VALVES, COUPLINGS, AND OTHER FERROUS MATERIALS SHALL BE ENCASED IN 8 MIL POLYETHYLENE MATERIAL, PER AWWA C105, AS MANUFACTURED FROM DUPONT ALATHON RESIN, U.S.I. PETROTHENE RESIN OR AS APPROVED BY CITY ENGINEER. TAPE USED TO SECURE POLYETHYLENE MATERIAL SHALL BE 2" WIDE POLYKEN 900, SCOTCHWRAP 50, OR AS APPROVED BY CITY ENGINEER. ALL BURIED FLANGED NUTS AND BOLTS SHALL BE 304 STAINLESS STEEL WITH "PERMATAX NICKEL ANTI-SEIZE LUBRICANT" OR AS APPROVED BY CITY ENGINEER.
9. ALL COUPLINGS SHALL BE LONG BARREL COUPLINGS OR AS APPROVED BY CITY ENGINEER.
10. ALL NEW VALVES SHALL BE RESILIENT WEDGE (RW) GATE VALVES AS MANUFACTURED BY CLOW, AFC, AVK, OR AS APPROVED BY CITY ENGINEER.
11. UNLESS OTHERWISE NOTED, ALL NEW WATER SERVICES FROM THE MAIN TO THE METER SHALL BE 1" AND 2" HDPE. SERVICE CORPORATION STOPS SHALL BE PRESSURE TESTED AND CHLORINATED AS A PART OF THE NEW PIPELINE INSTALLATION.
12. CONTRACTOR REQUESTING SERVICE TAP IS RESPONSIBLE FOR FINAL COMPACTION AND PAVING OF SERVICE LATERAL TRENCH.
13. CITY WATER DIVISION IS RESPONSIBLE FOR FINAL COMPACTION AND PAVING OF ANY EXCAVATION OF ANY CITY-INSTALLED SERVICE LATERAL.
14. ALL SERVICES TO BE INSTALLED PER STANDARD DETAIL 009.
15. PROPERTY OWNERS SHALL BE GIVEN 48 HOUR NOTICE PRIOR TO SHUT DOWN OR AS APPROVED BY CITY ENGINEER.

CITY OF SAN BUENAVENTURA

PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

GENERAL WATER NOTES

STD. DET. NO.

001

APPROVED BY: 
WATER GENERAL MANAGER

APPROVED BY: 
CITY ENGINEER R.C.E. 37064

DATE 7-7-16

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GENERAL WATER NOTES (CONT.)

16. ABANDONMENT OF EXISTING WATER MAINS SHALL BE DONE IN ACCORDANCE WITH SEC. 5-3 OF THE STANDARD SPECIFICATIONS. ABANDONED PIPE SHALL BE PLUGGED WITH CONCRETE AT ALL ENDS. ABANDONMENT OF EXISTING FIRE HYDRANTS SHALL INCLUDE REMOVING HYDRANT AND BURY 18" BELOW GRADE. ANY SALVAGEABLE MATERIAL SHALL BE DELIVERED TO THE CITY WATER YARD, 336 SANJON ROAD. VALVE STACKS ON ABANDONED LINES SHALL BE FULLY REMOVED AND BACKFILLED. ALL ASPHALT AND CONCRETE SHALL BE REPAIRED TO CITY STANDARDS TO MATCH EXISTING.
17. EXISTING SERVICE LATERALS, TO BE REPLACED, SHALL BE DISCONNECTED AT THE ANGLE STOP AND SHALL BE MOVED, OR REMOVED, AS DETERMINED BY THE CITY, SO AS NOT TO INTERFERE WITH THE CONNECTION TO THE NEW SERVICE LATERAL. EXISTING SERVICE LATERALS, TO BE ABANDONED, SHALL BE DISCONNECTED 12-INCHES UPSTREAM OF THE CORPORATION STOP. THE CONTRACTOR SHALL MAINTAIN THE EXISTING WATERLINE SYSTEM IN SERVICE UNTIL TESTING OF THE NEW WATERLINE SYSTEM HAS BEEN COMPLETED AND ACCEPTED BY THE CITY.
18. SPECIFIED PIPE DEPTHS TO THE TOP OF PIPE FROM FINISHED GRADE SHALL CONFORM TO THE FOLLOWING SCHEDULE UNLESS OTHERWISE NOTED ON THE PLANS

PIPE UP TO 6" = 36" COVER
 8" = 40" COVER
 10 - 12" = 42" COVER
 14" & ABOVE = 48" COVER
 OR AS SPECIFIED ON THE PLANS
19. PIPE BEDDING MATERIAL WITHIN THE PIPE ZONE TO 12" ABOVE AND 4" BELOW THE PIPE SHALL BE 100% SAND. SEE CITY STANDARD DETAIL 113 FOR PIPE LAYING IN TRENCHES.
20. UNLESS OTHERWISE NOTED, ALL PIPE TRENCH, BACKFILL AND FINISH PAVING SHALL CONFORM TO STANDARD DETAIL 112.
21. LOCATION TRACING WIRE SHALL BE INSTALLED ON ALL NON-METALLIC WATERLINES, INCLUDING SERVICE & FIRE LATERALS. THE LOCATION WIRE SHALL BE A PLASTIC COATED 10 GAUGE SOLID COPPER WIRE INSULATED WITH UNDERGROUND RATED COATING, AND SHALL BE PROPERLY SECURED TO THE TOP OF THE PIPE EVERY 10 FT. FOR LATERALS, LOCATING WIRE SHALL BE PROPERLY SECURED TO FLANGE BOLTS ON RISERS, BOLTS ON VALVE STACKS AND LOCATING WIRE ON CONNECTING WATERMAINS.
22. A 4 MIL BLUE PLASTIC IDENTIFICATION TAPE WITH THE WORDS "WATER LINE" PRINTED ON IT SHALL BE INSTALLED TWO FEET ABOVE THE PIPE FOR THE ENTIRE LENGTH OF THE LINE. THE TAPE SHALL BE PRESCO, SHIELDTEC OR AN EQUAL APPROVED BY THE CITY ENGINEER.
23. ANY METER TO BE INSTALLED GREATER THAN 24" ABOVE CURB REQUIRES WRITTEN APPROVAL FROM WATER DIVISION. METER BOXES SHALL BE 5' FROM ANY ABOVE OR BELOW GROUND UTILITY. NO METERS SHALL BE LOCATED IN DRIVEWAYS.
24. ALL IRRIGATION AND COMMERCIAL SERVICES REQUIRE BACKFLOW PREVENTERS. ALL RESIDENTIAL METERS LARGER THAN 1" REQUIRE BACKFLOW PREVENTERS.
25. PRESSURE TESTING FOR ALL NEW PIPELINES, INCLUDING VALVES, FITTINGS, HYDRANTS, SERVICE LATERALS AND OTHER ACCESSORIES SHALL BE COMPLETED AND APPROVED PRIOR TO PLACEMENT OF PERMANENT RESURFACING. THE CONTRACTOR SHALL CONDUCT A PRE-TEST AND DEFICIENCIES CORRECTED PRIOR TO PERFORMING THE CITY WITNESSED TEST.


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GENERAL WATER NOTES (CONT.)

- 26 AFTER PRESSURE TESTING AND PRIOR TO CONNECTING TO CITY SYSTEM, CHLORINATION AND FLUSHING OPERATIONS SHALL BE PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH ANSI/AWWA STANDARD C651 AND AS DIRECTED BY THE CITY ENGINEER. THE PERSONNEL SHALL BE CERTIFIED BY THE STATE OF CALIFORNIA AS A PLANT OPERATOR GRADE T3 OR A DISTRIBUTION OPERATOR D3 OR AS APPROVED OTHERWISE BY THE VENTURA WATER CHIEF OPERATOR.
- 27 CONNECTIONS TO CITY SYSTEM WILL NOT BE ALLOWED ON FRIDAYS.
28. CONTRACTOR SHALL PROVIDE A CERTIFIED FLOW TEST FOR EACH HYDRANT INSTALLED MEASURING MAXIMUM FLOW RATE, STATIC PRESSURE AND DYNAMIC PRESSURE. WRITTEN FLOW TEST RESULTS SHALL BE PROVIDED TO THE CITY WATER DIVISION PRIOR TO ACCEPTANCE OF THE WATER SYSTEM. A HYDRANT FLOW TEST PERMIT WILL BE REQUIRED AND CAN BE OBTAINED FROM VENTURA WATER. PERMIT FEES WILL BE BASED ON CURRENT RATES. DURING TESTING, CONTRACTOR SHALL PROVIDE BMP'S AND DECHLORINATION EQUIPMENT AS NECESSARY TO MEET NPDES REGULATIONS.
29. WATER FOR CONSTRUCTION PURPOSES MAY BE OBTAINED BY APPLYING FOR A TEMPORARY WATER METER AT THE VENTURA WATER OFFICE. A DEPOSIT AND FEES FOR THE METER AND WATER USAGE , BASED ON CURRENT RATES, SHALL BE PAID BY THE CONTRACTOR. CONNECTING TO THE CITY'S WATER SYSTEM WITHOUT APPROVAL BY VENTURA WATER IS A MISDEMEANOR AND SHALL BE PUNISHABLE PER SECTION 499 OF THE CALIFORNIA PENAL CODE.

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