

**CITY OF SAN CLEMENTE  
GENERAL NOTES  
FOR  
WATER SYSTEMS**

1. ALL WORK SHALL CONFORM TO THE STANDARD PLANS AND SPECIFICATIONS OF THE CITY OF SAN CLEMENTE, ORANGE COUNTY PUBLIC FACILITIES & RESOURCES DEPARTMENT (PF&RD), AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION. ALL WORK SHALL BE SUBJECT TO THE CITY ENGINEER'S ACCEPTANCE AS A CONDITION OF COMPLETION OF WORK BY THE CONTRACTOR.
2. THE CONTRACTOR SHALL NOTIFY THE CITY OF SAN CLEMENTE'S INSPECTOR AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION AT (949) 361-6131.
3. ALL WATER AND SEWERAGE FACILITIES SHALL CONFORM TO THE CITY'S "STANDARD PROVISIONS AND STANDARD DRAWINGS FOR THE CONSTRUCTION OF WATER AND SEWERAGE FACILITIES", LATEST EDITION, HEREIN REFERRED AS THE "CITY WATER AND SEWER STANDARDS". THE CONTRACTOR SHALL HAVE A COPY OF APPROVED PLANS, PERMITS AND THE WATER AND SEWER STANDARDS ON THE JOB AT ALL TIMES.
4. FACILITIES NOT IN DEDICATED CITY RIGHT OF WAY SHALL NOT BE CONNECTED TO A PUBLIC FACILITY UNTIL THE CITY HAS ACCEPTED AND RECORDED AN EASEMENT FOR THE FACILITIES. A COPY OF THE RECORDED EASEMENT SHALL BE PROVIDED TO THE INSPECTOR PRIOR TO ANY CONNECTION BEING MADE IN THE FIELD.
5. WATER MAINS SHALL BE INSTALLED 6' OFF THE CURB FACE UNLESS OTHERWISE INDICATED, AND PRIOR TO PAVING OF THE STREET. COVER SHALL BE BETWEEN 36" MINIMUM AND 48" MAXIMUM FROM THE TOP OF PIPE TO THE FINISHED SURFACE.
6. FIRE HYDRANTS AND BLOW-OFFS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY STANDARDS UNLESS OTHERWISE DETAILED HEREIN. THEY ARE TO BE INSTALLED BEHIND CURBS. WHERE SIDEWALKS ARE ADJACENT TO CURBS, THEY SHALL BE INSTALLED BEHIND SIDEWALKS. FIRE HYDRANTS SHALL BE IN ACCORDANCE WITH THE CITY'S SPECIFICATIONS AND SHALL HAVE A CONCRETE PAD POURED AROUND THEM.
7. THE DEVELOPER SHALL FURNISH THE CITY WITH EASEMENTS FOR ALL PORTIONS OF THE SYSTEM OUTSIDE THE PUBLIC RIGHT-OF-WAY. THESE EASEMENTS SHALL BE READY FOR RECORDATION PRIOR TO SIGNING OF THE IMPROVEMENT PLANS.
8. ALL FLANGED CONNECTIONS SHALL BE COATED WITH TWO COATS OF 10 MILS EACH OF EC 244, OR APPROVED EQUAL, AFTER INSTALLATION, INCLUDING FLANGES.
9. ALL NUTS AND BOLTS USED FOR NON-PREASSEMBLED INSTALLATIONS OR UNDERGROUND SHALL BE STAINLESS STEEL, TYPE 316.
10. NO FACILITY TO BE BACKFILLED UNTIL INSPECTED BY THE CITY. UNDERGROUND WORK BACKFILLED BEFORE INSPECTION IS SUBJECT TO REJECTION.
11. SHUTDOWN OF EXISTING WATERLINES TO FACILITATE CONNECTION TO NEW FACILITIES SHALL BE COORDINATED WITH THE CITY WATER, ENGINEERING AND FIRE DEPARTMENTS.
12. WATER LATERALS FOR HOUSE CONNECTIONS SHALL BE INSTALLED TO 6" BACK OF FINAL CURBLINE AND 8" BELOW FINISHED GRADE PRIOR TO PAVING OF THE STREET. THE ANGLE METER STOP SHALL BE USED AS THE ONLY METHOD OF TERMINATING THE LATERAL. METER BOX SHALL BE J&R, W5 2-PIECE LID. ½" PVC CONDUIT AND BELDEN #84-50 WIRE SHALL BE INSTALLED PER STANDARD DRAWING W-14.
13. ALL WATER SERVICES SHALL BE SINGLE SERVICE AND INSTALLED PER CITY'S STANDARD

**SPECIFICATIONS AND CITY STD W-1 OR W-2.**

14. ALL WATER SERVICE LOCATIONS SHALL BE IDENTIFIED WITH A 2 INCH HIGH "W" STAMPED OR CHISLED INTO THE CURB FACE.
15. PIPE BEDDING SHALL BE INSTALLED PER CITY STANDARD WS-1.
16. ALL CONNECTIONS SHALL BE FIELD LOCK RUBBER GASKET PUSH-ON TYPE PER ANSI A21.53 (AWWA C-153), UNLESS OTHERWISE SHOWN ON PLANS, AND EXCEPT AT TEES AND CROSSES WHERE VALVES ARE REQUIRED. VALVES AND FITTINGS ARE TO BE JOINED BY FLANGE CONNECTIONS, UNLESS OTHERWISE SHOWN ON PLANS.
17. 8" WATER MAINS SHALL BE CLASS 200 AWWA C-900 P.V.C., OR CLASS 52 DUCTILE IRON.
18. VALVES AND FITTINGS SHALL BE CEMENT MORTAR-LINED AND COMPLETELY WRAPPED IN 4 MIL PLASTIC.
19. DISINFECTION SHALL BE ACCOMPLISHED UNDER THE DIRECTION OF THE CONSTRUCTION SUPERINTENDENT. LIQUID CHLORINE SHALL BE USED WITH A RESIDUAL OF 75 P.P.M. AT 24 HOURS.
20. FIRE HYDRANTS SHALL BE JONES J-4060D WET BARREL, CLOW NO. 860, PERVO 2420 SAFETY YELLOW COATING, WITH A 6 BOLT PATTERN.
21. PRIOR TO CONSTRUCTION, ALL SURVEY MONUMENTS AND CENTERLINE TIES ARE TO BE LOCATED IN THE FIELD. UPON COMPLETION OF CONSTRUCTION, ALL DAMAGED OR DESTROYED CENTERLINE TIES AND SURVEY MONUMENTS ARE TO BE RESET AND "CORNER RECORDS" PREPARED FOR SURVEY MONUMENTS FOR SUBMISSION TO THE CITY'S ENGINEERING DIVISION AND FILING WITH THE COUNTY SURVEYOR IN COMPLIANCE WITH AB1414. THIS MUST BE COMPLETED PRIOR TO CERTIFYING COMPLETION OF THE PROJECT. ALL RESTORATIONS OF SURVEY MONUMENTS SHALL BE CERTIFIED BY THE DESIGN REGISTERED ENGINEER IN ACCORDANCE WITH SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE.
22. ALL IRRIGATION SERVICES SHALL BE PROVIDED WITH APPROVED PRESSURE REGULATORS (WATT'S SERIES 223 OR APPROVED EQUAL) SET AT 60 P.S.I. ON THE CUSTOMER SIDE OF THE METER WHERE THE WATER MAIN PRESSURE EXCEEDS 70 P.S.I.
23. LOW-FLOW WATER DEVICES SHALL BE PROVIDED IN ACCORDANCE WITH CITY STANDARDS.
24. ALL SERVICES SHALL BE PROVIDED WITH CITY-APPROVED PRESSURE REGULATORS.
25. VALVES SHALL BE LOCATED AT ALL TEES.
26. THE CONTRACTOR SHALL REMOVE OR ABANDON ALL UNUSED WATER STUBS AND SERVICES TO THE SATISFACTION OF THE CITY INSPECTOR.
27. CONSTRUCTION SITES SHALL BE MAINTAINED IN SUCH A CONDITION THAT AN ANTICIPATED STORM DOES NOT CARRY WASTES OR POLLUTANTS OFF THE SITE OR INTO A CONNECTED SEWER OR STORM DRAIN.

**DISCHARGES OF MATERIAL OTHER THAN STORM WATER ARE ALLOWED ONLY WHEN NECESSARY FOR PERFORMANCE AND COMPLETION OF CONSTRUCTION PRACTICES AND WHERE THEY DO NOT: CAUSE OR CONTRIBUTE TO A VIOLATION OF ANY WATER QUALITY STANDARD; CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR NUISANCE; OR CONTAIN A HAZARDOUS SUBSTANCE IN A QUANTITY REPORTABLE UNDER FEDERAL REGULATIONS 40 CFR PARTS 117 AND 302.**

**POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO: SOLID OR LIQUID CHEMICAL SPILLS; WASTES FROM PAINTS, STAINS, SEALANTS, GLUES, LIMES, PESTICIDES, HERBICIDES, WOOD PRESERVATIVES AND SOLVENTS; ASBESTOS FIBERS, PAINT FLAKES OR STUCCO FRAGMENTS; FUELS, OILS, LUBRICANTS, AND HYDRAULIC, RADIATOR OR BATTERY FLUIDS; FERTILIZERS, VEHICLE/EQUIPMENT WASH WATER AND CONCRETE WASH WATER; CONCRETE, DETERGENT OR FLOATABLE WASTES; WASTES FROM ANY ENGINE/EQUIPMENT STEAM CLEANING OR CHEMICAL DEGREASING; AND SUPERCHLORINATED POTABLE WATER LINE FLUSHINGS.**

**DURING CONSTRUCTION, DISPOSAL OF SUCH MATERIALS SHOULD OCCUR IN A SPECIFIED AND CONTROLLED TEMPORARY AREA ON-SITE, PHYSICALLY SEPARATED FROM POTENTIAL STORM WATER RUN-OFF, WITH ULTIMATE DISPOSAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.**

- 29. DEWATERING ON CONTAMINATED GROUNDWATER, OR DISCHARGING CONTAMINATED SOILS VIA SURFACE EROSION IS PROHIBITED. DEWATERING OF NON-CONTAMINATED GROUNDWATER REQUIRES A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT FROM THE RESPECTIVE STATE REGIONAL WATER QUALITY CONTROL BOARD.**