

PUBLIC WATER SYSTEM NOTES:

1. WATER SYSTEM CONSTRUCTION SHALL CONFORM TO THE PROJECT PLANS, AND TO THE CITY OF SANTA CLARA WATER AND SEWER UTILITIES STANDARD DRAWINGS AND SPECIFICATIONS. COPIES ARE AVAILABLE ON THE CITY'S WEBSITE.
2. INFORMATION ON MATERIALS PROPOSED TO BE USED IN CONSTRUCTING WATER SYSTEM FACILITIES SHALL BE SUBMITTED TO WATER AND SEWER UTILITIES FOR REVIEW AND APPROVAL PRIOR TO THE BEGINNING OF ANY CONSTRUCTION OF WATER FACILITIES.
3. A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH THE CITY WATER AND SEWER UTILITIES IN ATTENDANCE PRIOR TO ANY WORK BEING ALLOWED TO BEGIN ON THE PUBLIC WATER SYSTEM. CALL 615-2053 BETWEEN 7:00 AM AND 4:00 PM MONDAY THROUGH FRIDAY EXCEPT HOLIDAYS. NOTIFY THE CITY WATER INSPECTOR A MINIMUM OF ONE WORKING DAY PRIOR TO REQUIRED INSPECTIONS.
4. WATER FACILITIES SHALL BE CONSTRUCTED AS SHOWN ON THE APPROVED PLANS. ALL CHANGES MUST BE APPROVED BY THE WATER INSPECTOR PRIOR TO BEING CONSTRUCTED. A REVISED DRAWING MUST BE APPROVED BY THE ENGINEER.
5. CLEARANCES:
 - ONE FOOT MINIMUM VERTICAL CLEARANCE FOR OPEN TRENCH CONSTRUCTION BETWEEN WATER AND GRAVITY MAINS UNLESS OTHERWISE NOTED ON THE PLANS.
 - TWO FEET MINIMUM VERTICAL CLEARANCE FOR OPEN TRENCH CONSTRUCTION BETWEEN WATER AND RECYCLED WATER MAINS AND SERVICES AND OTHER FACILITIES UNLESS OTHERWISE NOTED ON THE PLANS.
 - FIVE FEET MINIMUM VERTICAL CLEARANCE FOR HORIZONTAL DIRECTION BORING CONSTRUCTION BETWEEN WATER AND RECYCLED WATER MAINS AND SERVICES AND OTHER FACILITIES UNLESS OTHERWISE NOTED ON THE PLANS.
 - TEN FEET MINIMUM HORIZONTAL CLEARANCE BETWEEN WATER AND RECYCLED WATER MAINS AND SERVICES AND SANITARY MAINS AND SERVICES AND TREES.
 - FIVE FEET MINIMUM HORIZONTAL CLEARANCE BETWEEN WATER AND STORM MAINS AND LATERALS AND OTHER GENERAL UTILITIES OR FACILITIES.
6. CONSTRUCTION OF WATER MAINS AND SERVICES CANNOT BEGIN UNTIL SITE IS AT SUB GRADE.
7. CITY OR CITY ASSIGNED CONTRACTOR WILL PERFORM ALL TAPS TO THE WATER MAIN. CONTRACTOR IS RESPONSIBLE FOR INSTALLING THE TAPPING SLEEVE AND VALVE, AND PREPARING THE SITE FOR CITY OR CITY ASSIGNED CONTRACTOR TO PERFORM THE TAP.
8. WATER MAINS SHALL BE AWWA C900, C905 DR 14 MINIMUM, STANDARD PRESSURE CLASS 200 FOR POLYVINYL CHLORIDE (P.V.C.) PRESSURE PIPE, AWWA C150, C151, C104 STANDARD PRESSURE CLASS 350 FOR DUCTILE IRON (DIP) PRESSURE PIPE, OR TYPE K COPPER AS SHOWN ON THE PLANS. RECYCLED WATER MAINS SHALL CONFORM TO CITY WATER MAIN STANDARDS WITH THE FOLLOWING EXCEPTIONS: RECYCLED WATER P.V.C. MAINS SHALL BE PURPLE AND LABELED RECYCLED WATER. DIP SHALL BE ENCASED IN PURPLE POLY WRAP.
9. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS, FITTINGS AND DEADENDS USING MECHANICALLY RESTRAINED DEVICES IN ACCORDANCE WITH CITY REQUIREMENTS.
10. ALL PUBLIC WATER MAINS AND SERVICES SHALL HAVE A MINIMUM OF FOUR INCHES (4") OF SAND BEDDING UNDER PIPE AND 12" OF SAND BEDDING OVER TOP OF PIPE. SAND

SHALL CONFORM TO WATER AND SEWER UTILITIES STANDARD DRAWING NUMBER 23. THE REMAINING TRENCH SHALL BE BACKFILLED AND COMPACTED PER CITY OF SANTA CLARA DEPARTMENT OF PUBLIC WORKS STANDARDS AND COMPACTED TO 95% RELATIVE DENSITY.

11. CONTRACTOR SHALL DISINFECT AND FLUSH ALL NEW AND REPAIRED PORTIONS OF THE PUBLIC WATER SYSTEM ACCORDING TO WATER AND SEWER UTILITIES SPECIFICATIONS. CONTRACTOR MUST COMPLY WITH THE CITY'S NON-POINT SOURCE CONTROL PROGRAM. THE INITIAL BACTERIOLOGICAL TEST SHALL BE PERFORMED BY THE CITY AT THE CITY'S COST. SUBSEQUENT TESTS REQUIRED DUE TO FAILED INITIAL BACTERIOLOGICAL SAMPLES SHALL BE PERFORMED BY THE CITY AT DEVELOPER'S EXPENSE.
12. PRESSURE TESTS SHALL BE PERFORMED BY THE CONTRACTOR AT 200 PSI FOR A MINIMUM OF TWO HOURS.
13. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING A SET OF CURRENT, THOROUGH, AND ACCURATE AS-BUILT DRAWINGS AT THE PROJECT SITE. THEY SHALL INCLUDE CENTER TO CENTER DIMENSIONS BETWEEN ALL FITTINGS, VALVES, SERVICES, DEADMEN, TIE-BACKS, CHANGES IN PIPE TYPE, ETC. AND SHALL INCLUDE A DIMENSION REFERENCING A TRACEABLE FEATURE ON THE EXISTING WATER SYSTEM. THE UPDATED AS-BUILT DRAWINGS SHALL BE AVAILABLE FOR THE INSPECTOR'S REVIEW AT ALL TIMES. THE PROJECT WILL NOT BE CONSIDERED FOR ACCEPTANCE NOR ANY METERS ALLOWED TO BE TURNED ON UNTIL THE AS-BUILT DRAWINGS ARE COMPLETED, TURNED IN TO THE INSPECTOR, VERIFIED, AND ACCEPTED.
14. ALL WATER USE SHALL BE METERED EXCEPT FOR USE IN DISINFECTION AND FLUSHING OF WATER MAINS.
15. NO WATER VALVES ON THE EXISTING SYSTEM NOR ANY NEW VALVE CONNECTED TO THE EXISTING SYSTEM SHALL BE OPENED OR CLOSED BY ANYONE EXCEPT AUTHORIZED WATER AND SEWER UTILITIES PERSONNEL.
16. MAINTAIN, SECURE, AND PROTECT ANY EXISTING WATER SYSTEM FACILITY IN PLACE UNTIL THE PROPOSED WATER SYSTEM IS COMPLETED AND ACTIVATED.
17. PARTS FROM ABANDONED CITY FACILITIES, INCLUDING METERS AND VALVES, SHALL BE RETURNED TO THE WATER AND SEWER UTILITIES INSPECTOR.
18. WATER AND SEWER UTILITIES WILL PLACE A HOLD ON THE FINAL INSPECTION ON ALL OR PART OF THE DEVELOPMENT UNTIL:
 - AN ACCURATE AND COMPLETE SET OF FIELD AS-BUILT DRAWINGS FOR THE PUBLIC WATER SYSTEM HAS BEEN SUBMITTED TO AND APPROVED BY THE WATER DEPARTMENT.
 - PUNCH LIST ITEMS HAVE BEEN CORRECTED.
 - ANY WATER OR PUBLIC UTILITY EASEMENTS REQUIRED FOR THE PROJECT ARE RECORDED WITH THE COUNTY.
19. CONTRACTOR SHALL SUBMIT AN ACCURATE SET OF RECORD DRAWINGS IN PDF AND AUTOCAD FORMAT TO WATER AND SEWER UTILITIES PRIOR TO FINAL ACCEPTANCE.