## **PUBLIC WATER SYSTEM NOTES:**

- 1. WATER SYSTEM CONSTRUCTION SHALL CONFORM TO THE PROJECT PLANS, AND TO THE CITY OF SANTA CLARA WATER DEPARTMENT STANDARD DRAWINGS AND SPECIFICATIONS.
- 2. INFORMATION ON MATERIALS PROPOSED TO BE USED IN CONSTRUCTING WATER SYSTEM FACILITIES SHALL BE SUBMITTED TO THE WATER DEPARTMENT 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 DEPARTMENT IN ATTENDANCE PRIOR TO ANY WORK BEING ALLOWED TO BEGIN ON THE PUBLIC WATER SYSTEM. CALL 615-2052 BETWEEN 8:00 AM AND 5:00 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 PLANS. ALL CHANGES MUST BE APPROVED BY THE WATER INSPECTOR PRIOR TO BEING CONSTRUCTED. A REVISED DRAWING MUST BE APPROVED BY THE WATER SYSTEM ENGINEER.
- 5. CLEARANCES:
  - ONE FOOT MINIMUM VERTICAL CLEARANCE 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 WILL PERFORM ALL TAPS TO THE WATER MAIN. CONTRACTOR IS RESPONSIBLE FOR INSTALLING THE TAPPING SLEEVE AND VALVE, AND PREPARING THE SITE FOR CITY 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 DEPARTMENT STANDARD DRAWING NUMBER 23. THE REMAINING TRENCH SHALL BE BACKFILLED AND COMPACTED PER CITY 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 DEPARTMENT 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 UP-DATED AS-BUILT DRAWINGS SHALL BE AVAILABLE FOR THE INSPECTORS 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 DEPARTMENT 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 DEPARTMENT INSPECTOR.
- 18. THE WATER DEPARTMENT 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.

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