

## **EL TORO WATER DISTRICT WATER NOTES**

1. EL TORO WATER DISTRICT REQUIRES A PRECONSTRUCTION MEETING PRIOR TO COMMENCEMENT OF ANY WORK. ETWD SHALL BE NOTIFIED AT LEAST 48 HOURS (2 working days) PRIOR TO CONSTRUCTION: PHONE: (949) 837-0660.
2. WATER SYSTEM MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF EL TORO WATER DISTRICT.
3. ALL OTHER UTILITIES SHALL BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION THROUGH UNDERGROUND SERVICE ALERT: 811.

IN AREAS OF POSSIBLE CONFLICT OF WATER LINE AND OTHER UTILITIES, CONTRACTOR SHALL CAREFULLY HAND EXCAVATE, EXPOSE AND LOCATE THOSE FACILITIES.

4. FIRE HYDRANTS SHALL BE PER EL TORO WATER DISTRICT STANDARDS AND SPECIFICATIONS. THE 4" FIRE HYDRANT OPENING SHALL FACE THE STREET. FIRE HYDRANTS THAT ARE NOT IN SIDEWALK AREAS SHALL HAVE A MINIMUM OF 3' X 3' X 4" THICK PAD POURED AROUND IT. PUBLIC FIRE HYDRANTS SHALL BE PAINTED "SCHOOLBUS YELLOW" OR APPROVED EQUAL BEFORE RELEASE FOR OCCUPANCY. PRIVATE FIRE HYDRANTS SHALL BE PAINTED RED.
5. WATER METERS SHALL BE STAKED BY DEVELOPER'S ENGINEER AND SHOWN ON WATER PLAN WITH DIMENSIONS TO NEAREST LOT PROPERTY LINE ALONG RIGHT OF WAY.
6. WATER METER BOXES SHALL BE A MINIMUM OF FIVE (5) FEET FROM ANY DRIVEWAY AND SHALL NOT BE INSTALLED IN SIDEWALKS OR OTHER CONCRETE AREAS WITHOUT PRIOR WRITTEN APPROVAL FROM THE EL TORO WATER DISTRICT.
7. ALL WATER SERVICE LINES SHALL BE CHISEL MARKED WITH A 'W' ON THE FACE OF THE CURB WHERE IT PASSES UNDER CURB.
8. ALL VALVES SHALL BE CHISEL MARKED IN THE NEAREST CURB FACE WITH A 'V' AND FOOTAGE FROM CURB FACE TO VALVE. WHERE VALVE IS IN AN INTERSECTION, TWO CHISEL MARKS FROM DIFFERENT CURB FACES AT THE NEAREST B.C. SHALL BE GIVEN. WHERE VALVE IS IN MID-BLOCK, ONE CHISEL MARK AT A RIGHT ANGLE TO THE VALVE SHALL BE GIVEN.
9. HYDROSTATIC TESTS SHALL BE PERFORMED ON ALL WATER FACILITIES BY AN APPROVED INDEPENDENT TESTING COMPANY AND RESULTS SHALL BE SUBMITTED IN WRITING TO THE DISTRICT. MINIMUM TESTING REQUIREMENTS ARE 225 PSI FOR TWO HOURS, UNLESS OTHERWISE DIRECTED BY THE INSPECTOR. ALLOWABLE LEAKAGE WILL BE DETERMINED BY SIZE AND LENGTH OF MAIN AND DURATION OF TEST.
10. ALL NEW WATER FACILITIES SHALL BE DISINFECTED IN ACCORDANCE WITH A.W.W.A. C651. CHLORINATED WATER SHALL BE RETAINED IN THE PIPELINE FOR 24 HOURS, AFTER WHICH SAMPLES SHALL CONFIRM A MINIMUM RESIDUAL OF 25 PPM.

11. PRIOR TO CONNECTION OF THE NEW WATER FACILITIES TO EXISTING WATER FACILITIES, THE NEW FACILITIES SHALL PASS BACTERIOLOGICAL TESTS. THE NUMBER AND LOCATION OF TESTS REQUIRED SHALL BE AT THE DISCRETION OF THE ETWD INSPECTOR. THE CONTRACTOR SHALL HAVE THE SAMPLES COLLECTED AND TESTS FOR COLIFORM BACTERIA AND HETEROTROPHIC PLATE COUNT PERFORMED BY AN INDEPENDENT CERTIFIED LABORATORY. THE LABORATORY SHALL SUBMIT A COPY OF EACH TEST TO THE DISTRICT. PASSING RESULTS ARE NEGATIVE COLIFORM AND PLATES COUNTS LESS THAN 500 COLONIES/mL.
12. ALL NEW WATER FACILITIES SHALL BE FLUSHED AFTER SATISFACTORY TESTING RESULTS ARE OBTAINED.
13. CAPITAL FACILITIES FEES SHALL BE BASED ON ULTIMATE DEVELOPER / TENANT IMPROVEMENT.
14. CONTRACTOR SHALL SUBMIT TO THE ETWD INSPECTOR AN "AS BUILT" PRINT PRIOR TO RELEASE FOR OCCUPANCY. INFORMATION TO BE CALLED OUT ARE THE DISTANCES BETWEEN VALVES, TEES, BENDS, FIRE HYDRANTS, AND SERVICE LINE TAPS ALONG MAIN LINE. ALSO ANY CHANGE IN ANGLE METER STOP LOCATION AT PROPERTY LINE.
15. CURB AND GUTTER MUST BE INSTALLED PRIOR TO INSTALLATION OF WATER MAINS.
16. EL TORO WATER DISTRICT MUST APPROVE ADDITIONS OR RESIZING OF ANY WATER METER BY REVISION TO THIS PLAN.
17. ALL VALVES MUST BE OPERATED BY THE EL TORO WATER DISTRICT. FAILURE TO DO SO SHALL RESULT IN CLOSURE OF PROJECT.
18. CONTRACTOR/DEVELOPER TO SUBMIT A PROPER INSURANCE DOCUMENTATION NAMING EL TORO WATER DISTRICT AS ADDITIONALLY INSURED PRIOR TO COMMENCEMENT OF WORK.
19. ALL CONSTRUCTION PROCEDURES SHALL CONFORM TO ALL APPLICABLE ETWD AND OTHER REGULATORY SAFETY REQUIREMENTS.
20. ALL BELOW GROUND IRRIGATION PIPING AND APPURTENANCES SHALL COMPLY WITH A.W.W.A. GUIDELINES FOR DISTRIBUTION OF NON-POTABLE WATER.

APPROVED; EL TORO WATER DISTRICT

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DENNIS P. CAFFERTY  
ASSISTANT GENERAL MANAGER/  
DISTRICT ENGINEER

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