



STANDARD WATER CONSTRUCTION NOTES

1. Engineering Plan Check/Inspection Fee and Performance Guarantee Bond shall be paid and Application/Permit (A.P.) completed by the applicant prior to the approval of the plans and issuance of the A.P. Fees shall be in accordance with Mesa rates and deposit schedule.
2. Capacity Charges shall be collected by Mesa at the time other fees are collected prior to approval of plans or service agreement, whichever is first. This fee shall be in accordance with Mesa rates and deposit schedule.
3. Water mains will be installed according to the latest Standards and Specifications of MCWD.
4. Contractor to have, on the job site, a copy of the latest Standard Specifications at all times.
5. Contractor to notify MCWD 48 hours prior to construction (Phone: 949-631-1291 – Inspection Department).
6. A cash Performance Guarantee Bond shall be held one year after MCWD's Notice of Completion to guarantee work performed by the Contractor.
7. Separation between sanitary sewer and water mains will be 10' HORIZONTAL, 1' VERTICAL
8. A 15' water main easement will be granted to the MCWD for maintenance purposes, 5' for water services (7.5' each side of main; 2.5' each side of service). Easement documents are to be submitted to Mesa no later than 30 days after Notice of Completion is filed.
9. Service laterals will be set to grade by Contractor prior to the installation of water meters and boxes (per MCWD's Standard Drawings #1, #2 and #3).
10. Water meter will not be installed nor water turned on until the backflow devices required for the building and irrigation systems have been installed, tested, approved, and certified. Contact Cross Connection Control at 949-631-1291.
11. Protect existing utilities in place.
12. Water mains will have 42" minimum cover to finish grade.
13. Raise existing water valve covers to grade (per MCWD Standard Drawing #14).
14. Install fire hydrant per MCWD Standard Drawing #4 or #4B.

15. Install blow-off per MCWD Standard Drawing #9.
16. WATER MAINS WILL BE TESTED AT 225 P.S.I. FOR FOUR HOURS.
17. Backfill material in pipe zone will have a sand equivalent of 30 or greater.
18. The backfill above the pipe zone will be compacted per MCWD Standard Drawing #18, and be in compliance with C.C.M. Standard Drawing 813.
19. Chip 2" "W" in curb face to identify water service location.
20. Install thrust or gravity blocks per MCWD Standard Drawing #11 or #12.
21. Contractor to verify depth and location of all utilities prior to trenching.
22. Contractor to install temporary taps for testing and chlorination prior to connecting to existing mains.
23. Contractor to return all material removed to MCWD yard, except A.C.P., broken concrete, and native soil.
24. Water meters and boxes to be installed by MCWD but paid for by others.
25. A reduced pressure principle assembly will be required on all water metered services to any condominium unit over two stories or five or more units on one metered service. Contact Cross Connection Control at 949-631-1291.
26. Irrigation meters will require a reduced pressure principle assembly.
27. In landscaped areas, no trees shall be located in MCWD easement or within 7.5' of any MCWD facility.
28. A reduced pressure principle assembly will be required on metered water services to all industrial buildings.
29. A double check detector assembly will be required on fire line services.
30. Fireline services shall not be turned on until the Mesa Engineering Department has received a letter from the owner, or owner's authorized agent, requesting it and stating that the plumbing is ready for the fireline to be turned on. The letter must also contain the MCWD file number, size and serial number of the device, and job address.