

## WATER NOTES:

1. WATER INSTALLATION SHALL BE IN ACCORDANCE WITH "TEN STATES STANDARDS," S.C.D.E.S. AND B.C.W.S REGULATIONS.
2. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH B.C.W.S. AT LEAST 72 HOURS PRIOR TO BEGINNING WORK.
3. CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO BEGINNING WORK. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES FOUND IN THE FIELD OR ON THE DRAWINGS PRIOR TO BEGINNING OR CONTINUING WORK. ANY DEVIATIONS FROM THE CONSTRUCTION PLANS SHALL NEED TO BE APPROVED IN WRITING BY B.C.W.S.
4. CONNECTION TO EXISTING WATER SYSTEM SHALL BE MADE IN THE PRESENCE OF B.C.W.S. INSPECTOR WITH AT LEAST 72 HOURS ADVANCED NOTICE.
5. ALL WATER LINES SHALL HAVE A MINIMUM COVER OF 36".
6. D.I.P. SHALL BE INSTALLED
  - AT ALL ROAD CROSSINGS UNDER PAVEMENT
  - ALL AREAS ABOVE OR BELOW DRAINAGE STRUCTURES
7. FIRE HYDRANTS, WATER VALVES AND OTHER WATER SYMBOLS MAY BE SHOWN IN LARGE SCALE FOR CLARITY. WATER VALVES, VALVE BOXES AND COVERS SHALL NOT BE LOCATED WITHIN PAVED AREAS. FIRE HYDRANTS SHALL BE PLACED AS CLOSE AS POSSIBLE TO THE WATER MAIN IN ORDER TO REMAIN WITHIN THE RIGHT-OF-WAY OR WITHIN BCWS UTILITY EASEMENT.
8. HYDRANTS SHALL BE INSTALLED BASED ON THE BURY DEPTH OF THE WATER MAIN UNLESS OTHERWISE NOTED. HYDRANT EXTENSIONS ARE NOT ALLOWED UNLESS THE DEPTH OF THE WATER MAIN EXCEEDS 6'.
9. WATER SERVICE AND SEWER SERVICE FOR EACH LOT SHALL MAINTAIN A MINIMUM 5' OF SEPARATION.
10. DEFLECT WATER LINES IN LIEU OF FITTINGS IN ACCORDANCE WITH THE PIPE MANUFACTURER'S SPECIFICATIONS.
11. ALL FITTINGS, VALVES AND HYDRANTS SHALL BE PROVIDED WITH RESTRAINED JOINT FITTINGS PER B.C.W.S. REQUIREMENTS.
12. WATER SERVICE STUBOUTS & SERVICE TEE SHALL BE INSTALLED WITHIN THE RIGHT-OF-WAY OR BCWS UTILITY EASEMENT AND HAVE A MINIMUM 1 FOOT SEPARATION FROM SIDEWALKS. INSTALL WATER SERVICE STUBOUTS NO MORE THAN 18" FROM THE COMMON PROPERTY CORNER UNLESS OTHERWISE NOTED ON THE CONSTRUCTION PLANS.
13. CONTRACTOR SHALL SCHEDULE ALL REQUIRED TESTS AND INSPECTIONS WITH B.C.W.S. AT LEAST 72 HOURS IN ADVANCE. A SET OF RECORD DRAWINGS SHALL BE PROVIDED TO B.C.W.S INSPECTOR FOR FINAL INSPECTION.
14. CONTRACTOR SHALL KEEP A RED-LINED SET OF THE CONSTRUCTION DRAWINGS ON SITE AT ALL TIMES.
15. CONTRACTOR TO INSTALL TEMPORARY CONSTRUCTION WATER METER AND BACKFLOW PREVENTER AT TIE IN LOCATIONS WITH EXISTING WATER MAINS. WATER METER AND BFP TO REMAIN IN PLACE UNTIL PTO IS OBTAINED.
16. ALL WATER MAIN VALVES TO BE MARKED ON THE CURB WITH "V" AND ALIGNED WITH THE VALVE ITSELF FOR LOCATING PURPOSES.
17. ALL WATER SERVICE LOCATIONS TO BE MARKED ON THE CURB WITH A "/" AND ALIGNED WITH THE SERVICE ITSELF FOR LOCATING PURPOSES.
18. SITE MUST MEET ALL MINIMUM CRITERIA FOR FINAL WALKTHROUGH IDENTIFIED IN APPENDIX G SECTION 02670 WATER MAIN TESTING AND ACCEPTANCE SECTION 3.
19. ALL BRANCH LINES OFF OF WATER MAIN SHALL REQUIRE A GATE (2"-14") OR BUTTERFLY VALVE (16" OR LARGER) DEPENDING ON SIZE. THIS APPLIES TO SERVICES 2" AND LARGER AS WELL AS BRANCH MAIN LINES.
20. WHEN CONNECTIONS ARE MADE TO EXISTING BCWS MAINS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE EXISTING AND NEW LINE IS FULLY RESTRAINED TO MEET INSTALLATION REQUIREMENTS.
21. WHEN VALVE BOXES ARE SET THEY SHOULD HAVE ROOM FOR ADJUSTMENT UP OR DOWN FOR GRADE CHANGES.
22. BOXLOK OR VALVE BOX ADAPTOR II REQUIRED ON ALL VALVE BOXES.
23. BCWS FIRE HYDRANTS TO BE RED IN COLOR. PRIVATE FIRE HYDRANTS TO BE ANY OTHER COLOR BUT RED.
24. WHEN TIE INS ARE MADE ON EXISTING STUB OUTS ON PROPERTIES, LINE CANNOT BE REDUCED MORE THAN ONE SIZE DOWN.
25. FOR COMMERCIAL PROPERTIES THAT DO NOT TIE INTO EXISTING STUB OUTS PREVIOUSLY INSTALLED ON LOTS, THEY ARE REQUIRED TO ABANDON THEM BEFORE FINAL TIE INS TO NEW SERVICE LOCATIONS. BCWS TO WITNESS.
26. FOR ANY APPARTMENT COMPLEX OR COMMERCIAL BUILDING ON THE SAME TMS# WITH ONE OWNER AND/OR WITH MORE THAN ONE BUSINESS, WILL BE REQUIRED TO HAVE A MASTER METER. BCWS WILL NOT OWN AND MAINTAIN ANY WATERLINES ON PRIVATE PROPERTY OR UNDER ANY ASPHALT ROADWAYS OR PARKING AREAS. ONLY EXCEPTION TO THIS RULE IS IF THE OWNER MUST HAVE SEPARATE METERS, THEN THEY MAY BE ALLOWED TO HAVE INDIVIDUAL METERS INSTALLED AT THE R/W LINE WHERE CUSTOMERS ARE RESPONSIBLE FOR THEIR SERVICE LINES. THIS WILL BE APPROVED CASE BY CASE DURING PLAN REVIEW PRIOR TO CONSTRUCTION.

## **WATER PANEL 13**

# **BERKELEY COUNTY WATER AND SANITATION POTABLE WATER & SANITARY SEWER STANDARDS**

REVISED: JULY/2025