

General Notes

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF THE DISTRICT'S "STANDARDS AND SPECIFICATIONS FOR DESIGN AND CONSTRUCTION." CONTRACTOR SHALL HAVE A COPY OF THIS DOCUMENT AND A MINIMUM OF TWO SETS OF THE APPROVED WATER PLANS ON-SITE AT ALL TIMES. THE LATEST VERSION OF THE DISTRICT'S STANDARDS CAN BE FOUND AT www.snopud.com/account/services/water/get-water/policies-and-procedures/ UNDER THE SECTION LABELED "Appendix A: Standards & Specifications for Design & Construction"
2. BEFORE COMMENCING ANY CONSTRUCTION, CONTRACTOR SHALL ATTEND A PRE-CONSTRUCTION MEETING WITH THE DISTRICT'S ENGINEER AND WATER INSPECTOR. APPROVED DRAWINGS ARE SUBJECT TO MINOR FIELD ADJUSTMENTS AS REQUIRED BY PUD WATER INSPECTOR.
3. THE CONTRACTOR SHALL NOTIFY THE UNDERGROUND UTILITIES LOCATING CENTER AT **811** 48 HOURS PRIOR TO CONSTRUCTION. CONTRACTOR TO VERIFY LOCATION OF EXISTING CULVERTS AND UNDERGROUND UTILITIES. ANY CONFLICT WITH EXISTING UTILITIES TO BE MITIGATED AT THE SOLE EXPENSE OF THE DEVELOPER.
4. ALL FILLING AND FLUSHING OF THE NEWLY INSTALLED MAIN SHALL BE THROUGH A DISTRICT PROVIDED (AT DEVELOPER COST--\$900 NON-REFUNDABLE PLUS USAGE) RPBA AND METER (SITE SPECIFIC FILL STATION, I.E. HYDRANT WATCHDOG). INSTALL A TEMPORARY BLOW OFF (FIELD LOCATED PER THE DISTRICT'S INSPECTOR INSTRUCTIONS) TO ACCOMMODATE CONNECTION VIA HYDRANT WATCHDOG TO THE DISTRICT'S WATER SYSTEM. ALTERNATIVELY, AT THE DISTRICT'S DISCRETION AN IN-LINE DCVA OF APPROPRIATE SIZE MAY BE REQUIRED BY PUD STAFF. PERMANENT CONNECTION TO THE DISTRICT'S EXISTING WATER SYSTEM WILL ONLY BE ALLOWED AFTER PUD INSPECTOR VERIFIES SATISFACTORY RESULTS OF THE BACTERIOLOGICAL AND PRESSURE TESTS.
5. THE CONTRACTOR WILL MAINTAIN A SET OF DISTRICT APPROVED PLANS ON SITE AT ALL TIMES WITH AS-BUILT INFORMATION THAT THE DISTRICT'S INSPECTOR CAN REQUEST TO VERIFY. UPON CONSTRUCTION COMPLETION, THE CONTRACTOR SHALL PROVIDE THE DISTRICT WITH A COPY OF ALL AS-BUILTS GENERATED THROUGHOUT THE COURSE OF THE PROJECT. PRIOR TO FINAL PLAT ACCEPTANCE, THE DEVELOPER SHALL SUBMIT STAMPED COMPLETED AS-BUILT DRAWINGS ON MYLAR TO THE DISTRICT'S ENGINEER.
6. ALL DISTRICT FACILITIES (HYDRANTS, WATER MAINS, AND METERS) SHALL BE PLACED IN THE COUNTY/CITY RIGHT OF WAY OR **IN A DISTRICT APPROVED WATER/UTILITIES EASEMENT.**
7. ALL COMMERCIAL SERVICES SHALL INSTALL AN RPBA IMMEDIATELY DOWNSTREAM OF AND ADJACENT TO THE METER. ALL IRRIGATION SERVICES SHALL INSTALL A DCVA IMMEDIATELY DOWNSTREAM OF AND ADJACENT TO THE METER. SUCH ASSEMBLY SHALL BE TESTED PRIOR TO INITIATION OF WATER SERVICE. ALL COMMERCIAL FIRE SERVICES SHALL HAVE A DCDA INSTALLED IN A VAULT IN PROXIMITY OF THE CONNECTION TO THE WATER MAIN. ALL RESIDENTAL FIRE SERVICES SHALL HAVE A DCVA INSTALLED IN PROXIMITY OF THE METER WITH THE EXCEPTION OF A POTABLE "FLOW THROUGH" RESIDENTIAL FIRE SYSTEM.
8. DISCHARGE WATERS CONTAINING CHLORINE RESIDUALS SHALL BE DISPOSED OF IN A PROPER MANNER AS DIRECTED BY THE DISTRICT'S INSPECTOR. IN NO CIRCUMSTANCES SHALL WATER CONTAINING CHLORINE BE DISCHARGED INTO NATURAL SURFACE WATERS.

9. ANY IMPACTS TO EXISTING PUD WATER FACILITIES DUE TO THE DEVELOPER'S PROPOSAL SHALL BE MITIGATED AT THE DEVELOPER'S EXPENSE.
10. THE DISTRICT WILL SECURE THE UTILITY RIGHT-OF-WAY PERMIT REQUIRED FOR INSTALLATION OF WATER MAINS AND APPURTENANCES. THE DEVELOPER SHALL SECURE ALL PERMITS REQUIRED FROM LOCAL AND STATE AGENCIES INCLUDING BUT NOT LIMITED TO LANE CLOSURE, TRAFFIC CONTROL, GRADING AND ALL MATTERS RELATED TO ASBESTOS WORK, REMOVAL AND DISPOSAL (IF APPLICABLE TO THE PROJECT). WORK ON ASBESTOS-CEMENT PIPE SHALL NOT COMMENCE WITHOUT PROPER PERMITS, CERTIFICATIONS, WORKER PROTECTIVE CLOTHING AND BREATHING APPARATUS, AND APPROVED ASBESTOS DISPOSAL BAGS.
11. ALL NEW PLATS (AND COMMERCIAL PROJECTS) WILL REQUIRE A 3-VALVE CLUSTER WITH APPROPRIATE MAIN SIZE VALVES AT **EACH** SUPPLY POINT OF CONNECTION TO THE PUD'S WATER SYSTEM. TIE-IN LOCATIONS MUST BE POT-HOLED AND VERIFIED FOR DEPTH, SIZE AND MATERIAL AT LEAST ONE DAY PRIOR TO SHUTDOWN. CONTRACTOR SHALL SCHEDULE SHUTDOWNS WITH THE DISTRICT AT LEAST FIVE (5) WORKING DAYS IN ADVANCE. CONNECTION TO PUD WATER SYSTEM INCLUDING SWABBING WITH CHLORINE DISINFECTANT SHALL NOT BE DONE WITH OUT PUD STAFF PRESENT. NO EXCEPTIONS SHALL BE MADE UNLESS SPECIFIED ON THE APPROVED PLANS BY THE PUD'S ENGINEER.
12. ALL WATER SERVICES TO BE INSTALLED ON **EXISTING PUD MAINS** SHALL BE INSTALLED BY PUD CREWS AT DEVELOPER'S COST. LIKEWISE ANY RETROFIT REQUIRED TO EXISTING PUD FACILITIES SHALL BE DONE BY PUD CREW (VIA A CUSTOMER CONTRACT) AT DEVELOPER COST.
13. PRESSURE TEST SHALL BE FOR TWO HOURS AT 250 PSI. IF THE PRESSURE AT THE END OF THE TWO-HOUR TEST (WITH OUT PUMPING) IS BETWEEN 245 AND 250 PSI, THEN HYDROSTATIC TESTING ALLOWANCE SHALL BE AS DESCRIBED IN TABULAR FORM IN **AWWA C600**. IF THE PRESSURE FALLS BELOW 245 PSI, THEN THE WATER PIPE BEING TESTED HAS FAILED. PRESSURE TEST SHALL BE AGAINST HYDRANT PORTS (WITH HYDRANT FULLY OPEN), AGAINST ALL CLOSED BLOW OFF ASSEMBLY CAPS WITH VALVE FULLY OPEN AND AGAINST ALL ANGLE METER STOPS. THE CURB STOP ON AIR RELEASE VALVES SHALL BE CLOSED FOR THE PRESSURE TEST AND THEN OPENED AFTER SATISFACTORY TESTING.
14. ALL MECHANICAL JOINTS, UNLESS OTHERWISE NOTED ON THE PLANS, SHALL USE MECHANICAL THRUST RESTRAINT FOLLOWERS. MECHANICAL THRUST RESTRAINT SHALL BE EBAA IRON MEGALUG/FLANGE, ROMAC, ROMAGRIP, STAR PIPE STARGRIP, OR AS APPROVED BY THE DISTRICT. ALL DEAD ENDS (INCLUDING THOSE CREATED VIA A TEMPORARY BLOW OFF) AND ALL BENDS SHALL USE RESTRAINED JOINT. FOR 8" MAIN ANY BEND WILL BE RESTRAINED APPROXIMATELY 120' UTILIZING 2 MEGA LUGS AND 6 FIELD-LOK GASKETS (OR APPROVED EQUAL). ANY 8 INCH DEAD END (INCLUDING ALL DEAD END CREATED BY TEMPORARY BLOW-OFFS) WILL BE RESTRAINED APPROXIMATELY 60' UTILIZING 1 MEGA LUG AND 3 FIELD-LOK GASKETS. ALL JOINTS OF ANY FIRE SERVICE FROM THE MAIN INTO THE MECHANICAL ROOM SHALL BE 100% MECHANICALLY RESTRAINED. FOR 12" DI MAIN A BEND SHALL BE RESTRAINED APPROXIMATELY 160' USING 8 TOTAL FIELD-LOK GASKETS AND 2 MEGA-LUGS AND A DEAD-END RUN SHALL BE RESTRAINED 80' UTILIZING 4 FIELD-LOK GASKETS WITH 1--MEGALUG. LIKEWISE, A 16" MAIN SHALL BE RESTRAINED APPROXIMATELY 180' AT A BEND UTILIZING 10 FIELD-LOK GASKETS AND 2-MEGA-LUGS. A DEAD 16" RUN SHALL BE RESTRAINED APPROXIMATELY 90' UTILIZING 5 FIELD-LOK GASKETS AND A MEGA-LUG. PLEASE ALSO SEE STANDARD DETAIL 800.