

## FAIR OAKS WATER DISTRICT- GENERAL NOTES

REVISED: APRIL 2023

1. THESE NOTES APPLY TO THE CONSTRUCTION OF PUBLIC WATER FACILITIES WITHIN THE FAIR OAKS WATER DISTRICT (FOWD) SERVICE AREA. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FOWD APPROVED IMPROVEMENT PLANS AND THE MOST RECENT VERSION OF THE FOWD'S STANDARD SPECIFICATIONS MANUAL.
2. **IMPROVEMENT PLANS APPROVAL** – FOWD'S APPROVAL IS VALID FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF SIGNATURE. PLANS SHALL BE SUBJECT TO REVIEW AND RE-APPROVAL THEREAFTER. THE DEVELOPER SHALL NOTIFY FOWD IMMEDIATELY IN WRITING OF ANY FIELD CHANGES, OR CHANGES TO THE APPROVED PLANS, THAT MAY IMPACT INSTALLATION OF WATER FACILITIES, AND SHALL OBTAIN WRITTEN APPROVAL FROM FOWD FOR SUCH CHANGES PRIOR TO CONSTRUCTION. IMPROVEMENT PLANS SHALL BE APPROVED BY THE SACRAMENTO METRO FIRE DEPARTMENT AND ANY NECESSARY EASEMENT/S RECORDED PRIOR TO FOWD'S APPROVAL.
3. **PRE-CONSTRUCTION MEETING** - A PRE-CONSTRUCTION MEETING IS REQUIRED WITH FOWD AND THE DEVELOPER (AND SACRAMENTO COUNTY INSPECTOR WHEN APPLICABLE) A MINIMUM OF FIVE (5) BUSINESS DAYS PRIOR TO COMMENCING WORK.
4. **EXISTING FACILITIES AND PRE-WORK SITE CONDITIONS** - THE DEVELOPER SHALL BE RESPONSIBLE FOR SITE MARKING AND UNDERGROUND SERVICE ALERT (USA) PRIOR TO BEGINNING ANY WORK. THE DEVELOPER SHALL BE RESPONSIBLE FOR PHYSICALLY LOCATING, INCLUDING POTHOLING, ALL EXISTING UTILITIES AND WATER LINE CONNECTION POINTS TO CONFIRM SIZE, DEPTH, AND MATERIAL TYPE OF EXISTING FACILITIES BEFORE THE START OF WATER FACILITIES INSTALLATION.
5. **SAFETY** - DEVELOPER IS SOLELY RESPONSIBLE FOR ANY CURRENTLY APPLICABLE SAFETY LAW AND PRIOR APPROVALS OF ANY JURISDICTIONAL AGENCY, INCLUDING TRAFFIC CONTROL, SLOPING, BORING, AND SHORING. DEVELOPER IS ALSO RESPONSIBLE FOR PROJECT SITE SAFETY AND FOR PUBLIC SAFETY INCLUDING TRAFFIC CONTROL, 24 HOURS/DAY FOR ALL DAYS, FROM THE NOTICE TO PROCEED THROUGH THE NOTICE OF FINAL COMPLETION.
6. **PERMITTING** - DEVELOPER IS RESPONSIBLE TO VERIFY ACQUISITION AND SUBMITTAL OF, AND COMPLIANCE WITH, ANY APPLICABLE PERMITS, INCLUDING BUT NOT LIMITED TO SWPPP, NPDES, ENCROACHMENT PERMITS, AND REQUIRED CERTIFICATES/PERMIT FOR WORKING WITH ASBESTOS CEMENT MATERIALS, FOR EXCAVATION DEEPER THAN 5 FEET, AND FOR ACTIVITIES TO BE PERFORMED IN CONFINED SPACES.
7. **NOTIFICATIONS** - THE DEVELOPER SHALL CONTACT FOWD AT (916) 967-5723 A MINIMUM OF TWO (2) BUSINESS DAYS PRIOR TO THE BEGINNING OF WORK OR TO SCHEDULE ANY MEETING.
8. **TRAFFIC CONTROL** – DEVELOPER IS RESPONSIBLE FOR PROVIDING TRAFFIC CONTROL PLAN APPROVED BY SACRAMENTO COUNTY (IF NEEDED) AND ANY TRAFFIC CONTROL NECESSARY FOR CONSTRUCTION OF WATER SYSTEM IMPROVEMENTS.
9. **SUBMITTALS AND BASELINE SCHEDULE** - BEFORE THE WORK PROCEEDS, THE DEVELOPER SHALL PROVIDE FOWD WITH SUBMITTALS FOR ALL PARTS AND MATERIALS TO BE USED IN CONSTRUCTION. ALL SUBMITTALS MUST BE APPROVED BY FOWD PRIOR TO INSTALLATION. AWWA AND/OR NSF CERTIFICATIONS ARE REQUIRED FOR ALL WATER MATERIAL. CONTACT FOWD TWO BUSINESS DAYS TO ARRANGE FOR REVIEW AND INSPECTION OF MATERIALS PRIOR TO INSTALLATION. CONTRACTOR SHALL PROVIDE A BASELINE SCHEDULE INCLUDING MAJOR ACTIVITIES FROM BEGINNING OF THE PROJECT TILL THE END. SCHEDULE TO BE UPDATED PER FOWD DIRECTION.
10. **FEES** - IF APPLICABLE, THE DEVELOPER/APPLICANT MUST PAY ALL ASSOCIATED WATER FEES PRIOR TO THE IMPROVEMENT PLAN APPROVAL BY FOWD.
11. **SURVEYING AND MONUMENTS PROTECTION** - THE DEVELOPER IS RESPONSIBLE FOR ALL REQUIRED STAKING, SHOWING THE LOCATION AND GRADES FOR INSTALLING ALL WATER FACILITIES PRIOR TO THEIR INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AND MAINTAINING ALL SURVEY MONUMENTS AND RESTORING ANY MONUMENTS DAMAGED BY CONTRACTOR.
12. **GRADING** - WATER MAINS, SERVICES, METERS, AND METER BOXES SHALL NOT BE INSTALLED UNTIL THE FINISHED GRADE IS ESTABLISHED. THE DEVELOPER IS FULLY RESPONSIBLE FOR ANY WATER FACILITIES ADJUSTMENTS DUE TO ERRORS IN ESTABLISHING FINISHED GRADE.
13. **WATER MAIN LOCATION AND EASEMENT** - WATER MAINS SHALL BE INSTALLED WITHIN PUBLIC STREET RIGHT OF WAY (ROW) AND SHALL BE LOCATED 3 FEET FROM THE LIP OF GUTTER (UNDER STREET PAVEMENT). WATER MAINS INSTALLED ON PRIVATE PROPERTY/ROAD SHALL BE PLACED AT THE CENTERLINE OF A 20-FOOT WIDE WATER EASEMENT, OR AS APPROVED BY FOWD, BUT NEVER LESS THAN 10 FEET WIDE. EASEMENT(S) MUST BE ADOPTED AND RECORDED WITH SACRAMENTO COUNTY BEFORE WATER SERVICE IS TURNED ON. PLANTING OF TREES AND SHRUBS WITHIN WATER EASEMENTS FOR EXISTING OR PROPOSED FUTURE WATER FACILITIES SHALL BE AVOIDED. FOWD RESERVES THE RIGHTS TO REQUIRE REMOVAL (AT DEVELOPER EXPENSE)

OF TREES AND SHRUBS OR ANY OTHER OBSTACLES THAT MAY IMPACT, OR HAVE IMPACTED, WATER FACILITIES INSTALLATION, MAINTENANCE, OR OPERATIONS.

14. **TRACER WIRE & CAUTION TAPE** - ALL WATER MAINS, HYDRANT RUNS, AND WATER SERVICE 3-INCH AND LARGER IN SIZE SHALL HAVE #10 AWG, CONTINUOUS SINGLE STRAND COATED COPPER TRACER WIRE AND 12" WIDE NON-DETECT BLUE TAPE WITH WORDS "CAUTION: BURIED WATER LINE BELOW" 12"-18" ON ALL WATER PIPING ON BEDDING PER FOWD STD-5.
15. **PROTECTION OF WATER MAINS INSTALLATION AND VALVES OPERATION** – CONTRACTOR MUST SEAL PIPE ENDS WATERTIGHT AT END OF EACH WORKDAY WHEN LAYING WATER PIPE. DEVELOPER SHALL NOT OPERATE FOWD VALVES.
16. **WATER SERVICE** - EACH SINGLE FAMILY OR CONDO PARCEL SHALL HAVE A SEPARATE SERVICE TAP. APARTMENT AND OTHER COMMERCIAL DEVELOPMENT ON ONE PARCEL HAVE THE OPTIONS: A) TO HAVE ONE OR TWO MASTER METERS THAT PROVIDES DOMESTIC WATER TO THE ENTIRE PARCEL. B) HAVE DEDICATED DOMESTIC WATER SERVICES TO INDIVIDUAL BUILDINGS. APARTMENT AND OTHER COMMERCIAL DEVELOPMENT SHALL HAVE A DEDICATED IRRIGATION SERVICE. APARTMENT AND OTHER COMMERCIAL DEVELOPMENT SHALL HAVE A DEDICATED FIRE SERVICE(S) AS REQUIRED BY THE SACRAMENTO METRO FIRE DEPARTMENT. WATER SERVICES ON THE SAME PARCEL OF DIFFERENT CLASSIFICATIONS (DOMESTIC, IRRIGATION, AND FIRE) SHALL NOT BE LOOPED TOGETHER. ALL WATER SERVICES SERVING COMMERCIAL, GOVERNMENTAL, PUBLIC, IRRIGATION, PRIVATE FIRE PROTECTION SYSTEMS, AND RESIDENTIAL FACILITIES WITH FIRE SUPPRESSION SYSTEMS, SHALL BE EQUIPPED WITH FOWD APPROVED BACKFLOW DEVICES. PRIVATE WATER SERVICES SHALL NOT CROSS PARCEL LINES. WATER METER SHALL BE INSTALLED PRIOR TO ACCEPTANCE AND ACTIVATION OF WATER SYSTEM.
17. **WATER SERVICES LOCATIONS** - ALL WATER SERVICES SHALL BE SET THREE (3) FEET FROM ADJACENT SIDE PROPERTY LINES WITHIN STREET ROW, PUE, OR DEDICATED WATER EASEMENT ON THE CORRECT LOT SITE UNLESS OTHERWISE APPROVED BY FOWD. DEVELOPER SHALL STAKE LOT LINES PRIOR TO INSTALLATION AND AT THE TIME OF FINAL INSPECTION. SERVICES ARE TO BE INSTALLED SO PLUMBERS NEED NOT DISTURB THE METER BOX DURING CUSTOMER HOOK-UP. WATER BOXES THAT ARE TEMPORARILY REMOVED SHALL BE REPLACED BY THE DEVELOPER AT THEIR EXPENSE. INSTALLATION OF WATER METER BOXES WITHIN SIDEWALKS OR DRIVEWAYS ARE NOT ALLOWED UNLESS APPROVED BY FOWD.
18. **BACKFLOW PROTECTION** - BACKFLOW PREVENTION DEVICE SHALL BE REDUCED PRESSURE PRINCIPLE (RP) DEVICES FOR DOMESTIC AND IRRIGATION SERVICES, AND REDUCED PRINCIPAL DETECTOR CHECK ASSEMBLY (RPDA) FOR DEDICATED FIRE SERVICES. RP/RPDA DEVICES SHALL BE INSTALLED BY DEVELOPER IN ACCORDANCE WITH FOWD APPLICABLE STANDARDS AND TESTED AND CERTIFIED BY FOWD FOR THE FIRST TIME PRIOR TO OBTAINING WATER SERVICE. MAINTENANCE AND ANNUAL CERTIFICATION OF THE RP/RPDA DEVICE ARE THE PROPERTY OWNER'S RESPONSIBILITY. TYPE OF RP/RPDA DEVICES SHALL BE APPROVED BY FOWD. RP DEVICES SHALL BE INSTALLED WITHIN FIVE (5) FEET FROM THE METER BOX AND RPDA SHALL BE INSTALLED WITHIN 5 FEET FROM EDGE OF RIGHT OF WAY FOR FIRE SERVICE, WITH NO TEES OR CROSS CONNECTIONS BETWEEN THE WATER METER AND A RP/RPDA DEVICE.
19. **SANITARY SEWER AND STORM DRAIN PROXIMITY** - A MINIMUM OF 10 FT HORIZONTAL AND 1 FT VERTICAL SEPARATION BETWEEN WATER AND SANITARY SEWER FACILITIES, AND A MINIMUM OF 4 FT HORIZONTAL AND 1 FT VERTICAL SEPARATION BETWEEN WATER AND STORM FACILITIES ARE REQUIRED. IF REQUIRED SEPARATION CANNOT BE MAINTAINED, A HIGHER CLASS OF PIPE MATERIAL AND POSSIBLE SLEEVE FOR THE PIPE INSTALLATION WITH FOWD APPROVED INSTALLATION DETAIL IS REQUIRED. ANY WATER MAIN NEEDING TO BE ROUTED UNDER SEWER REQUIRES SWRCB-DDW APPROVAL PRIOR TO INSTALLATION.
20. **DRY UTILITIES PROXIMITY** - A MINIMUM OF 4 FT HORIZONTAL AND 1 FT VERTICAL SEPARATION BETWEEN WATER AND ALL DRY UTILITIES INCLUDING GAS IS REQUIRED. VARIANCES REQUIRE FOWD APPROVAL.
21. **BACKFILLING AND COMPACTION** - NATIVE BACKFILL WILL NOT BE ALLOWED IN TRENCHES CONTAINING PUBLIC WATER FACILITIES. TRENCH FOR ALL PUBLIC WATER MAINS/SERVICES LOCATED WITHIN AN EXISTING OR PROPOSED ROW, PUE, OR DEDICATED WATER EASEMENTS, SHALL CONFORM TO FOWD SPECIFICATIONS, FOWD'S STANDARD DRAWING #9, AND ALL SACRAMENTO COUNTY REQUIREMENTS AS THEY APPLY. A MINIMUM OF 36-INCH COVER OVER WATER MAINS AND A MINIMUM OF 24-INCH COVER OVER WATER SERVICES ARE REQUIRED UNLESS OTHERWISE APPROVED BY FOWD. UTILITY SAND BEDDING SHALL BE MINIMUM OF 6" BELOW BASE AND 12" ABOVE PIPE. BEDDING FOUNDATION SHALL PROVIDE UNIFORM SUPPORT OF PIPE, WITH BELL ENDS EXCAVATED PER MANUFACTURER'S RECOMMENDATION. EACH LIFT SHALL BE COMPACTED TO 90%.
22. **PAVING RESTORATION** - SHALL BE PER SACRAMENTO COUNTY APPLICABLE STANDARD DRAWINGS AND REQUIREMENTS.
23. **HYDROSTATIC TESTING** - THE DEVELOPER SHALL PROVIDE A PASSING HYDROSTATIC TEST FOR ALL NEW PIPES AND WATER APPURTENANCES IN ACCORDANCE WITH FOWD STANDARD SPECIFICATIONS OR THE MOST RECENT AWWA STANDARD FOR METHOD AND MATERIALS USED. THE TESTING MUST BE WITNESSED AND APPROVED BY AN AUTHORIZED FOWD

REPRESENTATIVE. NOTIFICATION FOR SCHEDULING OF TEST MUST BE PROVIDED A MINIMUM OF TWO WORKING DAYS PRIOR TO TESTING AND MUST BE CONDUCTED MON.-THUR.

24. **DISINFECTION AND BACTERIOLOGICAL SAMPLING** - ALL NEW WATER FACILITIES SHALL BE DISINFECTED IN ACCORDANCE WITH CURRENT AWWA STANDARD AND FOWD STANDARD SPECIFICATIONS. FOWD COLLECTS SAMPLES FOR BACTERIOLOGICAL TESTING AND MUST BE CONTACTED MINIMUM OF TWO WORKING DAYS PRIOR TO NEEDED SAMPLING.
25. **MAINS AND SERVICES SHUTDOWN** - THE DEVELOPER SHALL CONTACT FOWD INSPECTOR AND/OR FOWD OFFICE A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO ANY WATER MAIN/SERVICE SHUTDOWN REQUEST. NECESSARY SHUTDOWNS ARE TO BE COMPLETED BY FOWD AUTHORIZED STAFF OR REPRESENTATIVE(S) ONLY.
26. **INSPECTION** - FOWD INSPECTOR WILL INSPECT INSTALLATION OF ALL PUBLIC WATER FACILITIES. IF AFTER ANY INSTALLATION, OR FINAL INSPECTION, FOWD DETERMINES THAT THE JOB IS NOT COMPLETE OR NOT COMPLETED IN ACCORDANCE WITH THE PROJECT DOCUMENTS OR FOWD STANDARDS, THE DEVELOPER WILL HAVE 15 WORKING DAYS TO COMPLETE THE WORK TO FOWD'S SATISFACTION. THE DEVELOPER MAY BE CHARGED FOR RE-INSPECTION. WATER SYSTEM WILL NOT BE ACTIVATED UNTIL ALL DEFICIENCIES HAVE BEEN CORRECTED AND THE SYSTEM IS ACCEPTED BY FOWD.
27. **WARRANTY** - DEVELOPER SHALL PROVIDE MAINTENANCE BOND AND GUARANTEE ALL WORK FOR A PERIOD OF ONE (1) YEAR FROM THE DATE THE NEW WATER FACILITIES ACCEPTED BY FOWD AGAINST DAMAGES OR FAILURES FROM ANY CAUSE.
28. **SALVAGE AND DISPOSAL** – DEVELOPER IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL SALVAGE PIPE, AS WELL AS ANY FITTINGS OR OTHER RELATED MATERIALS GENERATED FROM INSTALLATION AND TIE-IN TO FOWD WATERLINES AND COSTS ASSOCIATED. DISTURBANCE OF ASBESTOS CEMENT PIPES (ACP) IS REGULATED UNDER CAL/OSHA, TITLE 8, SECTION 1529 AND DEVELOPER SHALL COMPLY WITH ALL THEREIN. DEVELOPER MUST SUBMIT TO FOWD A CERTIFICATE OF DISPOSAL TO VERIFY ANY ACP WASTE WAS PROPERLY DISPOSED OF. ANY PORTION OF ACP TO BE ABANDONED IN PLACE MUST BE LEFT INTACT AND NON-FRIABLE.