

## **GENERAL CONSTRUCTION NOTES**

1. ALL CONSTRUCTION UNDER COUNTY, CITY OR CALTRANS JURISDICTION SHALL CONFORM TO ALL PROVISIONS OF THE PROJECT SPECIFICATIONS, SPECIAL CONDITIONS, STANDARD AND CONSTRUCTION DRAWINGS, ALL INCLUSIVE UNDER THIS CONTRACT. IN THE EVENT OF ANY CONFLICT, THE MOST STRINGENT REQUIREMENT SHALL GOVERN.
2. ALL WORK SHALL BE DONE IN STRICT CONFORMANCE WITH THE PROJECT SPECIFICATIONS, STANDARD DRAWINGS AND THE SPECIAL REQUIREMENTS FOR THIS PROJECT.
3. CONSTRUCTION WILL BE DONE ONLY UNDER SIGNED AND APPROVED PLANS. CUT SHEETS SHALL BE PROVIDED TO THE DISTRICT FOR THE REVIEW 24-HOURS PRIOR TO CONSTRUCTION.
4. THE SANITARY SEWER WILL BE INSTALLED BEFORE ANY OTHER UNDERGROUND FACILITIES ARE CONSTRUCTED EXCEPT WHEN OTHER UTILITIES ARE PROPOSED THAT WILL BE DEEPER THAN THE SANITARY SEWERS. INSTALLATION INCLUDES, BUT IS NOT LIMITED TO, STAKING, PIPELINE INSTALLATION, COMPACTION TESTING, AIR TEST, WASH AND VIDEO REVIEWS. AIR TESTS, WASH AND VIDEO WILL BE COMPLETED PRIOR TO INSTALLATION OF DOMESTIC WATER AND SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION "GREENBOOK" OR AS DIRECTED BY THE DISTRICT RESIDENT INSPECTOR/REPRESENTATIVE. THE DISTRICT RESERVES THE RIGHT TO REQUIRE ADDITIONAL AIR TESTS, WASHES AND VIDEO REVIEWS PRIOR TO FINAL ACCEPTANCE OF FACILITIES.
5. CURBS AND GUTTERS SHALL BE IN PLACE BEFORE ANY DOMESTIC WATER PIPELINES AND APPURTENANCES ARE CONSTRUCTED. FINAL GRADES SHALL BE ESTABLISHED BEFORE THE INSTALLATION OF WATER SERVICES, FIRE HYDRANTS AND APPURTENANCES.
6. DOMESTIC WATER LINES SHALL BE INSTALLED IN ACCORDANCE TO THE DISTRICT STANDARD SPECIFICATIONS, AWWA (AMERICAN WATER WORKS ASSOCIATION) STANDARDS AND/OR STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - "GREENBOOK". INSTALLATION INCLUDES BUT IS NOT LIMITED TO STAKING, PIPELINE INSTALLATION, COMPACTION, HYDROSTATIC PRESSURE TEST AND CHLORINATION/DISINFECTION IN ACCORDANCE TO THE AWWA STANDARDS AND THE DISTRICT STANDARD SPECIFICATIONS FOR CONSTRUCTING WATER AND SEWER FACILITIES.
7. REPLACEMENT PAVING (ONSITE & OFFSITE), TRAFFIC CONTROL, RE-STRIPING, SPECIAL TRENCH BACKFILL, BASE REQUIREMENTS, ETC. SHALL BE IN ACCORDANCE WITH THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT ENCROACHMENT PERMIT AND/OR THE CITY OF DESERT HOT SPRINGS PERMIT REQUIREMENTS AND AS DETAILED IN THE PROJECT SPECIFICATIONS AT NO ADDITIONAL COST TO THE DISTRICT. THE CONTRACTOR SHALL NOTIFY THE COUNTY AND/OR CITY AT LEAST 48 WORKING HOURS PRIOR TO STARTING CONSTRUCTION. IF THE PROPOSED PIPELINE CROSSES A PAVED STREET AT OTHER THAN 90 DEGREES, THE LIMITS OF PAVEMENT OVERLAY SHALL BE AT RIGHT ANGLES TO THE STREET CENTERLINE AND SHALL ENCOMPASS THE ENTIRE TRENCH PAVING.
8. CONTRACTOR IS RESPONSIBLE FOR EROSION, DUST AND TEMPORARY DRAINAGE CONTROL DURING OPERATIONS AND AFTER WORKING HOURS. THE CONTRACTOR MUST TAKE ALL NECESSARY PRECAUTIONS IN ORDER TO COMPLY WITH ALL APPLICABLE REGULATIONS.
9. PIPE SHALL BE HANDLED SO AS TO PROTECT PIPE, JOINTS, AND LININGS AND COATINGS. THE PIPE SHALL BE BEDDED CAREFULLY TO PROVIDE CONTINUOUS BEARING AND PREVENT UNEVEN SETTLEMENT; PIPE SHALL BE PROTECTED AGAINST FLOTATION AT ALL TIMES, OPEN ENDS SHALL BE SEALED AT ALL TIMES WHEN CONSTRUCTION IS IN PROGRESS.
10. PIPE JOINTS SHALL NOT BE DEFLECTED AT ANY ANGLE GREATER THAN THE MAXIMUM DEFLECTION RECOMMENDED BY THE PIPE MANUFACTURER.
11. ALL REVISIONS TO THESE DRAWINGS MUST BE APPROVED IN WRITING BY THE MSWD DISTRICT ENGINEER OR DESIGNEE PRIOR TO ACTUAL CONSTRUCTION.
12. TRAFFIC STRIPING AND/OR LANE MARKINGS WHICH ARE OBLITERATED SHALL BE REPLACED IN KIND AS DIRECTED BY THE AGENCY HAVING JURISDICTION.
13. NO CONSTRUCTION OR INSTALLATION SHALL BE PERMITTED ON FILL MATERIAL WHICH DOES NOT MEET THE COMPACTION REQUIREMENTS DEFINED IN THESE SPECIFICATIONS
14. IN CASE OF ANY ACCIDENTS INVOLVING SAFETY MATTERS COVERED BY SECTION 6409.1(8) OF THE CALIFORNIA LABOR CODE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE STATE DIVISION OF OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.
15. ALL CONTRACTOR(S)/SUBCONTRACTOR(S) PERFORMING WORK ON THIS PROJECT SHALL BE FAMILIAR WITH THE SITE AND SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES DIRECTLY OR INDIRECTLY FROM OPERATIONS. SAID EXISTING IMPROVEMENTS SHALL INCLUDE, BUT ARE NOT LIMITED TO, DIRT BERMS, DITCHES, FENCES, MAILBOXES, DRIVEWAYS, SIDEWALKS AND PLANTS/LANDSCAPING. ANY REMOVAL OR DAMAGE TO EXISTING IMPROVEMENTS SHALL BE REPLACED OR REPAIRED AT THE CONTRACTOR'S EXPENSE AND SHALL BE APPROVED BY THE DISTRICT.
16. ALL CONTRACTOR(S)/SUBCONTRACTOR(S) SHALL EXAMINE CAREFULLY THE SITE OF THE WORK CONTEMPLATED AS WELL AS THE PLANS AND SPECIFICATIONS. THE SUBMISSION OF A BID SHALL BE CONCLUSIVE EVIDENCE THAT THE CONTRACTOR/SUBCONTRACTOR HAS INVESTIGATED THE PROJECT SITE AND REVIEWED THE PLANS & SPECIFICATIONS AND IS SATISFIED AS TO THE REQUIREMENTS, QUALITY, THE SCOPE OF WORK TO BE PERFORMED AND THE QUANTITIES OF MATERIALS TO BE FURNISHED.
17. ALL EXCESS MATERIAL GENERATED FROM THE PROJECT EXCAVATION AND/OR COMPACTION SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF AT THE CONTRACTOR'S EXPENSE UNLESS OTHERWISE NOTED.
18. ALL EXISTING AND NEW INFRASTRUCTURE (VALVE CANS, MANHOLES, ETC.) MUST BE ACCESSIBLE TO GRADE THROUGHOUT THE ENTIRE COURSE OF CONSTRUCTION.
19. SITE PAVING SHALL NOT BE PLACED UNTIL ALL UNDERGROUND FACILITIES HAVE BEEN INSTALLED, TESTED AND APPROVED BY THE DISTRICT, AND THE LAND USE AGENCY HAVING JURISDICTION.
20. STATIONS SHOWN ARE HORIZONTAL DISTANCES ALONG CENTERLINE OF ROAD, UNLESS OTHERWISE NOTED.
21. CONTRACTOR SHALL SHORE ALL TRENCHES AS REQUIRED AND CONDUCT ALL CONSTRUCTION AND OPERATIONS IN ACCORDANCE WITH CAL-OSHA REQUIREMENTS.
22. CONTRACTOR IS REQUIRED TO CONTACT MSWD INSPECTOR 48 HOURS PRIOR TO START OF CONSTRUCTION. DAILY COMMUNICATION THROUGH OUT THE ENTIRE DURATION OF THE PROJECT IS REQUIRED. CONTRACTOR SHALL CALL MISSION SPRINGS WATER DISTRICT'S OFFICE BY 3:30 P.M. FOR THE FOLLOWING DAY'S INSPECTION.
23. APPROVAL BY MSWD IMPLIES NO PERMISSION OTHER THAN THAT WITHIN THE DISTRICT'S JURISDICTION. ALL REQUIRED PERMITS BY LAW, SHALL BE OBTAINED BY THE CONTRACTOR, UNLESS OTHERWISE NOTED IN MSWD PROJECT SPECIFICATIONS.
24. THE MINIMUM DEPTH OF COVER FOR THE VARIOUS UNDERGROUND UTILITIES IS DEPICTED IN THE PROFILE AND GIVEN BELOW. THE DEPTHS ARE BASED UPON AVAILABLE INFORMATION. THE ACCURACY OF THIS INFORMATION; HOWEVER, IS NOT GUARANTEED BY THE DISTRICT OR THE ENGINEER, NO ADDITIONAL COMPENSATION SHALL BE MADE BY THE DISTRICT FOR UTILITIES AT ELEVATIONS DIFFERENT THAN DEPICTED OR GIVEN BELOW:  
  
WATER: 36" TO 48"                      TELEPHONE CABLES: 30"  
  
ELECTRICAL CABLES: 30"              CABLE TV. CABLES: 30"  
  
GAS MAINS: 36"
25. THE CONTRACTOR SHALL DETERMINE LOCATION AND DEPTH OF ALL THE EXISTING UNDERGROUND FACILITIES BY POTHOLING PRIOR TO TRENCHING AND/OR EXCAVATION. THE EXISTENCE AND LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS WERE OBTAINED FROM AVAILABLE RECORDS AND ARE APPROXIMATE (IN ACCORDANCE TO THE SPECIFICATIONS, ONLY MAIN LINES ARE SHOWN; NO LATERALS OR SERVICES ARE SHOWN). CONTRACTOR SHALL COORDINATE WITH THE DISTRICT FOR FIELD LOCATION OF SERVICES AND CONTRACTOR SHALL ASSUME THE RESPONSIBILITY FOR PROTECTING ALL EXISTING SERVICES AT NO ADDITIONAL COST TO THE DISTRICT. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES NOT SHOWN. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT ALL LINES SHOWN AND/OR ANY OTHER UNDERGROUND UTILITY LINES NOT OF RECORD OR NOT SHOWN ON THE PLANS. THE CONTRACTOR IS REQUIRED TO CALL UNDERGROUND SERVICE ALERT (USA DIG ALERT) AT (811), AT LEAST 2 WORKING DAYS PRIOR TO EXCAVATION.
26. ELEVATIONS SHOWN ON THE PROFILE FOR EXISTING AND/OR PROPOSED UTILITIES AT CROSSING ARE TO THE OUTSIDE OF CONDUIT (TOP & BOTTOM), UNLESS OTHERWISE INDICATED.
27. CONTRACTOR IS RESPONSIBLE FOR KEEPING-UP-TO-DATE RECORD DRAWINGS (RED-LINES) OF ANY CHANGES TO THE PLANS DURING CONSTRUCTION.
28. CONTRACTOR SHALL PROVIDE AN ACCURATE AND LEGIBLE COPY OF THE "RECORD DRAWING" PLANS TO THE DESIGN ENGINEER. THE ENGINEER WILL SUPPLY THE DISTRICT WITH A COPY OF "RECORD DRAWING" MYLAR PLANS, ALONG WITH AN ELECTRONIC FILE (PDF & AUTOCAD FORMAT) AT NO ADDITIONAL COST TO THE DISTRICT.
29. THE DISTRICT RESERVES THE RIGHT TO MAKE ANY MODIFICATION TO THE PLANS DURING CONSTRUCTION AS NECESSARY AT NO ADDITIONAL COST TO THE DISTRICT.