


1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE PLANS AND TO THE LATEST SPECIAL DISTRICTS "STANDARDS FOR DOMESTIC WATER SYSTEMS" AS POSTED ON SPECIAL DISTRICTS WEBSITE AT: <http://www.specialdistricts.org/index.aspx?page=586>
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN A CURRENT AND APPROVED SET OF SPECIAL DISTRICTS STANDARD SPECIFICATIONS ON THE JOB SITE AT ALL TIMES. STANDARD SPECIFICATIONS CAN BE PURCHASED AT THE SAN BERNARDINO COUNTY SPECIAL DISTRICTS OFFICE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ARRANGEMENTS FOR CONSTRUCTION INSPECTION AT LEAST 48 HOURS PRIOR TO BEGINNING WORK BY CALLING DEVELOPMENT SERVICES AT (760) 955-9885 OR BY EMAIL AT DEVSERVICES@SDD.SBCOUNTY.GOV
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE ITSELF WITH THE JOB SITE AND THE LOCATION OF ALL UNDERGROUND FACILITIES SHOWN OR NOT SHOWN ON THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR ALL DIG ALERT REQUESTS AND EXPLORATORY EFFORTS NECESSARY TO VERIFY ANY UNDERGROUND OBSTRUCTIONS. THE CONTRACTOR WILL BE UNILATERALLY RESPONSIBLE FOR ANY DAMAGES DONE TO EXISTING UTILITIES THAT ARE SHOWN OR NOT SHOWN ON THESE PLANS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO PIPE INCURRED WHILE BACKFILLING AND COMPACTING.
6. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY STATE, COUNTY OR LOCAL PERMITS.
7. CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT AND ENCROACHMENT PERMIT OR OTHER REQUIRED PERMITS FROM THE SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS TRANSPORTATION, PRIOR TO ANY GRADING OR PIPELINE EXCAVATION WITHIN THE COUNTY RIGHT OF WAY BY CALLING (909) 387-7910.
8. THRUST BLOCKS SHALL BE INSTALLED PER SPECIAL DISTRICTS "STANDARDS FOR DOMESTIC WATER SYSTEMS" PER STANDARD DRAWING H-3.
9. THE CONTRACTOR SHALL NOTIFY ALL SERVING UTILITY COMPANIES 48 HOURS PRIOR TO BEGINNING ANY DITCH EXCAVATION WHEN WORK IS TO BE PERFORMED NEAR THEIR FACILITIES BY CALLING 811.
10. ALL PIPE SHALL BE CLASS 150 AND INSTALLED WITH LOCATION TAPE 18" BELOW FINISHED GRADE AND 14 GA. INSULATED WIRE TAPED TO PIPE AND BROUGHT TO SURFACE AT HYDRANTS, METER SERVICES, AIR VAC & BLOW OFFS.
11. THE CONTRACTOR SHALL COORDINATE ALL TIE-INS OF NEW WATER MAINS IN COUNTY SERVICE AREAS WITH THE WATER AND SANITATION SUPERVISOR, 222 W. HOSPITALITY LANE, 2ND FLOOR, SAN BERNARDINO, CA 92415-0450; PHONE: (760) 955-9885 TO KEEP INTERRUPTIONS TO A MINIMUM. NO INTERRUPTIONS TO EXISTING SERVICES SHALL BE MADE UNLESS THE DISTRICT GRANTS PRIOR APPROVAL.
12. CONTRACTOR SHALL ENSURE THAT UTILITY EASEMENTS HAVE BEEN RECORDED PRIOR TO START OF WORK.
13. WATER MAIN SHALL HAVE A MINIMUM OF 48" OF COVER FROM TOP OF PIPE TO FINAL GRADE.
14. HYDRO TEST AT 200 PSI MINIMUM FOR A 2 HOUR DURATION AT LOWEST POINT IN THE WATER LINE.
15. 1" SERVICE LINES ARE TO BE INSTALLED PER STANDARD DRAWING H-4A AND H-9B.
16. METER BOXES SHALL BE PLACED WITHIN 1 FOOT MINIMUM, 3 FEET MAXIMUM FROM ADJACENT PROPERTY LINE. METER BOXES IN THE SIDEWALK SHALL HAVE CONCRETE LIDS.
17. ALL VALVES INSTALLED BY THE CONTRACTOR SHALL BE ACCESSIBLE FOR OPERATION WITH COMPLETE VALVE CAP TO GRADE DIRECTLY FOLLOWING CONNECTION TO EXISTING WATER SYSTEM. SEE STANDARD DRAWING H-11.
18. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE UNDERSIGNED ENGINEER AND THE COUNTY OF SAN BERNARDINO SPECIAL DISTRICTS.
19. THE CONTRACTOR AGREES THAT IT SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUALLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
20. ALL STATIONING IS BASED ON THE CENTER LINE OF THE STREET.
21. ALL EXCAVATIONS SHALL BE BACKFILLED AT THE END OF EACH WORKING DAY AND ROADS OPEN TO VEHICULAR TRAFFIC UNLESS OTHERWISE APPROVED BY THE SPECIAL DISTRICTS ENGINEER.
22. ALL PIPE DISTANCES SHOWN ARE HORIZONTAL.
23. ALL WORK SHALL BE CONSTRUCTED ACCORDING TO THE VERTICAL AND HORIZONTAL MEASUREMENTS OF THESE PLANS AND EXISTING DESIGN STANDARDS. ADEQUATE STAKES SHALL BE SET UNDER THE DIRECTION OF A LICENSED SURVEYOR/ENGINEER FOR THE CONSTRUCTOR. ALL CONSTRUCTION SURVEYING SHALL BE PERFORMED IN ACCORDANCE TO THE SURVEYING PROCEDURES OF THE SURVEYOR/ENGINEER OF RECORD. IF THIRD PARTY SUBCONTRACTORS PERFORM THE CONSTRUCTION LAYOUT AND SURVEYING FOR THIS PROJECT WITHOUT THE COORDINATION OF THE SURVEYOR/ENGINEER OR RECORD, THEY HAVE ASSUMED THE POSITION OF SURVEYOR/ENGINEER OF RECORD. THE FINAL CHECK OF THIS DESIGN IS TO BE THE CONSTRUCTION STAKING AS THE DESIGN MEETS THE EXISTING CONTROL AND ELEVATIONS. ALL EXISTING DISCREPANCIES TO THE STANDARD DESIGN CRITERIA SHALL BE BROUGHT TO THE SURVEYOR/ENGINEER OF RECORD'S ATTENTION PRIOR TO PROCEEDING WITH CONSTRUCTION. IF CONSTRUCTION CONTINUES WITHOUT VERIFICATION THE CONSTRUCTOR ASSUMES THE RESPONSIBILITY OF THE CORRECTNESS OF THE INTENDED DESIGN.
24. THE METHOD AND LOCATION OF CONNECTION TO THE PUBLIC WATER SUPPLY AND REQUIREMENTS FOR BACKFLOW PROTECTION SHALL BE PROVIDED IN ACCORDANCE WITH LOCAL WATER SUPPLIES REQUIREMENTS.
25. CONTRACTOR TO COORDINATE WITH OTHER UTILITIES, TRADES, AND ARCHITECTURAL PLANS TO AVOID CONFLICTS AND VERIFY BUILDING TIE-IN LOCATIONS.
26. CONTRACTOR SHALL DISINFECT THE WATER LINE IN ACCORDANCE WITH THE AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARD C651 PRIOR TO PLACING LINE IN SERVICE.

I HEREBY DECLARE THAT THE DESIGN OF THE IMPROVEMENTS AS SHOWN ON THESE PLANS COMPLIES WITH THE PROFESSIONAL ENGINEERING STANDARDS AND PRACTICES. AS THE ENGINEER IN RESPONSIBLE CHARGE OF THE DESIGN OF THESE IMPROVEMENTS, I ASSUME FULL RESPONSIBLE CHARGE FOR SUCH DESIGN AND FOR THE DESIGN AND ACKNOWLEDGMENT OF THE PLANS OF THESE PLANS BY SAID COUNTY ENGINEER. THE DEPARTMENT OF PUBLIC WORKS - SPECIAL DISTRICTS (SD) IS REVIEWING THE LIMITED PURPOSE OF ENSURING THAT THE PLANS COMPLY WITH SD PROCEDURES, APPLICABLE POLICES AND ORDINANCES. THE PLAN CHECK IS NOT A DETERMINATION OF THE TECHNICAL ADEQUACY OF THE DESIGN OF THE IMPROVEMENTS. SUCH PLAN CHECK DOES NOT, THEREFORE, RELIEVE ME OF MY RESPONSIBILITY FOR THE DESIGN OF THESE IMPROVEMENTS. AS ENGINEER OF RECORD, I AGREE TO INDEMNIFY AND HOLD SD, ITS OFFICERS, AGENTS, AND EMPLOYEES HARMLESS FROM ANY AND ALL LIABILITY, CLAIMS, DAMAGES OR LOSSES TO ANY PERSON OR PROPERTY WHICH MIGHT ARISE FROM THE NEGLIGENT ACT OR ERROR OF OMISSIONS OF THE ENGINEER OF RECORD. I HAVE READ AND INFORMED THE PROJECT APPLICANT/DEVELOPER THAT APPROVAL OF THESE PLANS DO NOT RELIEVE THEM FROM THE REQUIREMENTS OF THE DESIGN CONDITIONS.

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM IS IN ACCORDANCE WITH THE REQUIREMENTS PRESCRIBED BY THE SAN BERNARDINO COUNTY FIRE DEPARTMENT.

1. SPECIAL DISTRICTS - WATER AND SANITATION DIVISION: DEVELOPMENT SERVICES - (760) 955-9885
2. PERMIT AGENCY: CITY OF XXXXXX - (XXX) XXX-XXXX
3. UNDERGROUND SERVICE ALERT (USA): 811
4. ALL OTHER AFFECTED AGENCIES THAT ARE NOT MEMBERS OF USA ALERT

THE TIME LIMIT ON DRAWING(S) APPROVAL SHALL BE TWELVE (12) MONTHS FROM THE DATE ON THE APPROVAL. IF CONSTRUCTION HAS NOT COMMENCED WITHIN STATED TIME, SD REQUIRES DRAWING(S) TO BE REVIEWED BY THE DEVELOPER/DESIGN ENGINEER AND RESUBMITTED TO SD FOR POSSIBLE CHANGES IN SPECIFICATIONS AND STANDARDS.

UNDERGROUND SERVICE ALERT						BENCHMARK:						BASIS OF BEARINGS:						COMPANY ADDRESS AND LOGO						REVISIONS						WATER / SEWER PLANS APPROVED BY: SAN BERNARDINO COUNTY - PUBLIC WORKS SPECIAL DISTRICTS						WATER / SEWER IMPROVEMENT PLANS						DWG NO.									
 <p>Call: TOLL FREE 1-800-227-2600 OR 811</p> <p>TWO WORKING DAYS BEFORE YOU DIG</p>						ENGINEER STAMP						PREPARED UNDER THE SUPERVISION OF:												<div style="text-align: center;">             DIVISION MANAGER, WATER AND SANITATION      DATE           </div>						<div style="text-align: center;">             TR/PM/APN. NO. XXXX PROJECT NAME STATIONING SHEET NAME           </div>						FILE NO.															
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PROFESSIONAL ENGINEER						R.C.E. No.						DATE						MARK						DATE						INITIAL						DESCRIPTION						APPR.						DATE		SHEET 1 OF X	