





5. MAINTAIN 18 INCHES VERTICAL AND 5 FEET HORIZONTAL SEPARATION BETWEEN ALL UNDERGROUND UTILITY LINES AND WATER LINES. IF WATER LINE IS BELOW POWER LINE OR IS WITHIN 18 INCH VERTICAL SEPARATION OF POWER LINE, POWER/TELEPHONE LINE MUST BE ENCASED WITH 4 INCHES MINIMUM OF CONCRETE EXTENDING 5 FEET EACH SIDE OF CROSSING (SEE NV ENERGY SPECS). CONCRETE ENCASEMENT OF WATER LINES IS NOT ALLOWED. PIPELINE DEPTHS MUST BE INSTALLED PER PLAN TO AVOID ADDITIONAL HIGHPOINTS IN THE WATERLINE AND TO SUPPORT AIR RELIEF VALVE LOCATIONS SHOWN IN THE PLANS.
6. ALL HOT TAPS, 4 INCH DIAMETER TO 12 INCH DIAMETER, ARE TO BE PERFORMED BY CARSON CITY WATER UTILITY. THE CONTRACTOR MUST CONTACT THE WATER OPERATIONS SUPERVISOR AT LEAST 2 WORKING DAYS PRIOR TO SCHEDULING HOT TAP DATE AND TIME. HOT TAPS ARE PERFORMED MONDAY THRU THURSDAY EXCLUDING THE WORKING DAYS BEFORE AND AFTER A HOLIDAY. PRIOR TO HOT TAPPING, THE SADDLE MUST BE HYDROSTATICALLY PRESSURE TESTED TO 150 PSI MINIMUM OR THE DESIGN OF PIPE SYSTEM FOR A MINIMUM OF 5 MINUTES BY THE WATER UTILITY PERSONNEL. FOR ALL TAPS PERFORMED BY THE CONTRACTOR, ALL TAPPING EQUIPMENT MUST BE INSPECTED BY AND DISINFECTED IN THE PRESENCE OF CITY FORCES PRIOR TO TAPPING A CITY MAIN.
7. WATER VALVE MARKERS MUST BE BLUE CARSONITE UTILITY MARKER (CRM-306608), 5 FEET-2 INCHES (5'-2") WITH CARSON CITY WATER VALVE DECAL (CWV-116) OR APPROVED EQUAL. PLACE MARKER NO MORE THAN 5 FEET FROM THE VALVE OR AS DIRECTED BY THE CARSON CITY INSPECTOR.
8. REDUCED PRESSURE PRINCIPLE AND DOUBLE CHECK VALVE BACKFLOW ASSEMBLIES MUST BE APPROVED BY THE CARSON CITY INSPECTOR, AND TESTED BY A CERTIFIED BACKFLOW ASSEMBLY TESTER. TEST RESULTS MUST BE APPROVED BY CARSON CITY WATER UTILITY. FOR NEW WATER METER SETS, THE REQUIRED BACKFLOW PREVENTION ASSEMBLY MUST BE INSTALLED, INSPECTED, APPROVED AND CERTIFIED TEST RESULTS PROVIDED TO THE CARSON CITY INSPECTOR WITHIN 5 DAYS OF METER SET, UNLESS THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR APPROVES OTHERWISE. THE SERVICE WILL BE LOCKED OFF IF INSPECTIONS AND CERTIFICATIONS ARE NOT COMPLETED AS SPECIFIED ABOVE. A 25 DOLLAR FEE WILL BE ASSESSED AT TIME OF TURN-ON WHEN LOCK IS REMOVED DURING NORMAL WORKING HOURS. THE FEE WILL BE ASSESSED ON THE BUILDING PERMIT FOR THE INSTALLATION OF THE BACKFLOW DEVICE.
9. ALL WATER MAIN, WATER/FIRE SERVICE, AND BACKFLOW PREVENTION INSPECTIONS AND TESTING MUST BE APPROVED PRIOR TO APPROVAL OF ANY CERTIFICATE OF OCCUPANCY.
10. A WATER MAIN MUST NOT BE PLACED INTO SERVICE AFTER ITS INITIAL CONSTRUCTION UNTIL THE WATER MAIN HAS BEEN DISINFECTED AND TESTED IN ACCORDANCE WITH AWWA STANDARD C651, AS ADOPTED BY REFERENCE IN NAC 445A.6663. CITY STAFF WILL BE RESPONSIBLE FOR PERFORMING AND FUNDING UP TO (2) TWO BACTERIOLOGICAL TESTS PER RUN OF PIPE CONSTRUCTED. IF MORE THAN TWO TESTS ARE REQUIRED THE COST WILL BE PLACED ON THE CONTRACTOR. TWO (2) SETS OF CONSECUTIVE BACTERIOLOGICAL TESTS MUST BE CONDUCTED AT LEAST 24 HOURS APART, FROM EVERY 1200 FEET OFF MAIN, AT THE END OF THE LINE, AND FROM EACH BRANCH. BACTERIOLOGICAL TEST SAMPLES WILL NOT BE COLLECTED ON FRIDAYS, WEEKENDS, CARSON CITY OBSERVED HOLIDAYS OR THE DAY BEFORE A CARSON CITY OBSERVED HOLIDAY, UNLESS AUTHORIZED BY THE WATER UTILITY MANAGER OR THEIR DESIGNEE. THE RESULTS OF THE WATER MAIN ANALYSIS INDICATING THAT THE WATER MEETS PRIMARY DRINKING WATER STANDARDS FOR COLIFORM BACTERIA (ABSENT OF COLIFORM BACTERIA) MUST BE OBTAINED AND REPORTED TO THE BUREAU OF SAFE DRINKING WATER BY CITY STAFF PER AWWA STANDARD C651.
11.  DISINFECTION TABLETS MUST BE PLACED USING LOCTITE H3101 METHACRYLATE ADHESIVE OR APPROVED FOOD GRADE NSF CERTIFIED EQUAL. PROVIDE 30 MINUTE ADHESIVE CURING TIME PRIOR TO EXPOSURE TO WATER. THE DISPOSAL OF ANY SPENT CHLORINE SOLUTIONS MUST BE COORDINATED WITH THE BUREAU OF WATER POLLUTION CONTROL.
12.  ALL ASBESTOS CEMENT (AC) PIPE CUTS SHALL BE MADE USING A CHAIN STYLE SNAPPING TOOL. NO SAWCUTTING OF AC PIPE WILL BE ALLOWED. COORDINATE WITH CARSON CITY WATER DIVISION PRIOR TO CUTTING OR CONNECTING TO EXISTING ASBESTOS CEMENT PIPE TO ALLOW THE CITY TO OBTAIN A WATER SAMPLE DOWNSTREAM FROM WORK LOCATION AFTER CONSTRUCTION HAS BEEN COMPLETED AND THE SYSTEM IS FLUSHED BUT PRIOR TO RECOMMISSIONING THE WATER MAIN. THE CITY WILL HAVE THE SAMPLE ANALYZED FOR THE PRESENCE OF ASBESTOS.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
	ALL NOTES	1/21	WATER GENERAL NOTES	CARSON CITY
	NOTE 11&12	3/22		DRAWING NO. C-3.1.1.1 (307)
				DATE MAR 2022
APPROVED BY: 		3/22		