



GARDNERVILLE WATER COMPANY - GENERAL NOTES (G-2)

1. THE CONTRACTOR SHALL CONDUCT A PRECONSTRUCTION CONFERENCE WITH ALL UTILITIES INCLUDING DOUGLAS COUNTY AND TOWN OF GARDNERVILLE WITH GARDNERVILLE WATER PRESENT PLUS CONTRACTOR SHALL HOLD SUCH MEETING 48 HOURS PRIOR TO CONSTRUCTION BEGINNING.
2. CONTRACTOR SHALL NOTIFY GARDNERVILLE WATER COMPANY AND THE TOWN OF GARDNERVILLE AND ALL EFFECTED PROPERTY OWNER'S 24 HOURS IN ADVANCE AND PRIOR TO MAKING A CONNECTION TO EXISTING WATER LINES. ALL PARTS AND CONNECTING HARDWARE SHALL BE DISINFECTED WITH GWC PERSONAL WITNESSING.
3. ALL WATER MAINS AND SERVICES SHALL BE DISINFECTED, AND BACTERIAL SAMPLES SHALL BE TAKEN IN CONFORMANCE WITH **AWWA C-651-05 SECTION 5.1 (NAC 445.67145 (6))**. **DECHLORINATION AND DISPOSAL** MUST FOLLOW **AWWA C651-14** ON CHLORINATED WATER. [⚠] COLIFORM TESTS SHALL BE SUBMITTED TO **BUREAU OF SAFE DRINKING WATER** AND **GARDNERVILLE WATER COMPANY** FOR REVIEW AND APPROVAL PRIOR TO PLACING THE WATER MAIN INTO SERVICE. THE DISCHARGE OF CHLORINATED WATER SHALL BE PERMITTED BY THE **BUREAU OF WATER POLLUTION CONTROL**.
4. ALL WATER MIANS, FIRE LINES, HYDRANTS AND SERVICES SHALL BE TESTED AT **200 PSI FOR TWO (2) HOURS** WITH GWC INSPECTOR ON SITE AND WITNESSING TEXT. PVC WATER MAIN SHALL BE TESTED AT NO LESS THAN **AWWA C605**.
5. ALL HYDRANT SHALL BE YELLOW, AND FLOW TESTED. GWC PERSONNEL WILL TEST AND DETERMINE TOP COLOR DESIGNATION ACCORDING TO FLOW.
6. ALL BOLTS, TEES, VALVES AND SADDLES PLUS, WILL BE COVERED AND TAPED WITH PLASTIC PRIOR TO CONCRETE THRUST BLOCKS OR CONCRETE ENCASEMENT. ALL THRUST BLOCKS SHALL INCLUDE 1/4 INCH MINIMUM SIZE GALVANIZED OR ZINC CHAIN STRAPS OR REINFORCING STEEL SECURED AROUND ALL FITTINGS RECEIVING A CONCRETE THRUST BLOCK OR SUPPORT WITH CHAIN OR REINFORCING STEEL IMBEDDED IN THE CONCRETE. SEE DETAILS FOR THRUST BLOCK SIZING.
7. ALL FITTINGS ARE MECHANICAL JOINT. ALL WORKMANSHIP AND PARTS OF THE POTABLE WATER SYSTEM SHALL MEET OR EXCEED CURRENT AMERICAN WATER WORKS ASSOCIATION (**AWWA**) AND NATIONAL SANITATION FOUNDATION (**NSF-61**) STANDARDS AND BE CONSTRUCTED TO THE **UNIFORM PLUMBING CODE AND GARDNERVILLE WATER COMPANY STANDARDS AND DETAILS**.
8. MATERIALS THAT ENCOUNTERS POTABLE WATER MUST BE **NSF 61** CERTIFIED AS COMPATIBLE WITH DRINKING WATER AND LEAD-FREE PER **NAC 445A.65825 & 445A.66085**. [⚠]
9. GWC INSPECTOR SHALL INSPECT ALL WATER MAIN JOINTS, SERVICE TAPS, VALVES, TEES, FITTINGS AND END CAPS PRIOR TO BACKFILL. IF NOT INSPECTED, WILL RESULT IN UNEARTHING AT EACH JOINT AND FITTING AND OR NOT EXCEPTED AND WILL NOT BE FILLED WITH WATER.
10. ALL MAINS, SERVICES, FIRE LINES, AND HYDRANT LINES WILL HAVE TRACER WIRE (APPROVED BY GWC) INSTALLED AT BOTTOM OF TRENCH AND BROUGHT UP OUTSIDE OF 6-INCH RIDER PIPE AND ENDS INSIDE G5 VALVE CAN MARKED WATER OR AS DETERMINED BY GWC INSPECTOR.
11. ALL SERVICES, IRRIGATION SERVICES, AND FIRE SERVICES SHALL HAVE TESTABLE BACKFLOW DEVICES OR AS DETERMINED BY GWC WILL BE INSTALLED AS CLOSE AS POSSIBLE TO GWC WATER METER PITS AND MUST MEET **NSF-61** AND **AWWA**. ALL PLANS AND SPECIFICATION AND CONSTRUCTION SHALL INCLUDE PROVISIONS FOR BACKFLOW PREVENTION. **NAC 445A.67185 TO 445A.67255, NAC 445A.6663**.
12. METERS 3/4 INCH AND UP TO 2 INCH ARE PROVIDED BY AND INSTALLED BY GWC PERSONNEL. LARGER METERS ARE INSTALLED BY CONTRACTORS WITH GWC PERSONNEL ON SITE AND ACCORDING TO PLANS. LARGER METERS MUST COMPLY WITH AND ARE DETERMINED BY GWC.
13. A 4-INCH THICK COLLAR SHALL EXTEND 2-INCHES FROM OUTER BARREL DIAMETER OF THE FIRE HYDRANT AS A MINIMUM.
14. A PERMANENT MARK DESIGNATING THE WATER LATERAL STUB LOCATION SHALL BE PLACED IN THE CURB. A MARKER SHALL BE INSTALLED AT THE END OF THE STUB AND MARKED IN BLUE.
15. PURSUANT TO **NAC 445A.67145 ITEM 8**, DURING CONSTRUCTION, ANY OPENING IN UNFINISHED PIPING OR APPURTENANCES MUST BE SEALED AT THE END OF EACH WORKING DAY SUCH AS A MANY TO PREVENT THE ENTRY OF BIRDS OR OTHER MAMMALS, DIRT, TRENCH WATER AND OTHER SOURCES OF POLLUTION OR CONTAMINATION.
16. WATER MAINS ARE TO BE INSTALLED PER MANUFACTURER. TRAINING CAN BE PROVIDED BY SUPPLIER, MANUFACTURER, AND OR THE GARDNERVILLE WATER COMPANY AS NEEDED.
17. A SET OF RECORD DRAWINGS SHALL BE SUBMITTED TO GWC FOR THEIR REVIEW AND APPROVAL. AFTER CORRECTIONS ARE MADE, A EPRODUCIBLE SET OF PLANS SHALL BE SUBMITTED TO GWC. THE ENGINEER SHALL SUBMIT AN AUTOCAD FILE OF THE AS-BUILT INFORMATION TO GWC OF WATERLINE LOCATIONS, SERVICES, DATE OF INSTALLATION, AND ANY OTHER HARDWARE INSTALLED AS A PART OF THE CONSTRUCTION. THE ENGINEER SHALL VERIFY THE AND MAKE ANY CORRECTIONS NECESSARY FOR THE TRUE LOCATIONS OF THE IMPROVEMENTS PRIOR TO SUBMITTING THE SET REPRODUCIBLE PLANS AND AUTOCAD FILE.

NO.	REVISION	DATE	GARDNERVILLE WATER COMPANY - STANDARD DETAIL	DRAWING NO.	
1	REV. 3, 4, & 11	8/2/12	<h1>GENERAL NOTES</h1>	<h2>G-2</h2>	
2	2022 UPDATES	09/22			
3	NDEP REVISIONS	02/24			
				DATE:	PAGE:
				02/24	2