

## WATER NOTES

1. No work shall begin until the plans have been released for construction by the City. Following plan approval, a minimum 48-hour notice shall be given to the City's Quality Control Division prior to the start of construction. Notice must be given to the City no later than 2:00 P.M. of the business day prior to any requested inspection, subsequent to the start of construction.
2. All work shall conform to the most current Uniform Design and Construction Standards For Potable Water Systems, including the City of Henderson Addendum. All materials utilized shall conform to the latest edition of the City's Approved Materials List.
3. A single water main pipe material shall be used throughout the project, unless otherwise approved by the City.
4. All water meter boxes shall be located outside of driveway areas, unless receiving specific project approval for this application.
5. All valves shall be located outside of driveways, valley and curb gutters.
6. All water main appurtenances shall be located as show on the UDACS Standard Plates. Where discrepancies exist between this plan set and the UDACS Standard Plates, the Standard Plates shall apply.
7. 14 gauge solid copper wire for line locations shall be required under all mains, all service laterals six (6) inch diameter and larger, and any service lateral not installed perpendicular to the main.
8. All water facilities shall be filled, disinfected, pressure tested, flushed, filled and an acceptable water sample obtained, prior to allowing connection to the City's water system.
9. All water meters 2 inches and smaller will be supplied and installed by the City of Henderson. All water meters 3 inches and larger shall be supplied and installed by the contractor.
10. All flanged ductile iron fittings shall be coated with EC-244 and wrapped with 120 mil thick polyethylene.
11. All valve boxes shall have concrete collars at the surface of the paved areas, per Clark County Area Uniform Standard Drawing number 517.

12. Water meter boxes that are installed within landscaped areas shall be installed with reinforced concrete collars per Clark County Area Uniform Standard Drawing number 329.
13. No other utility lines may be placed in the same trench with water lines.
14. Blue reflectors are required and must be installed at the centerline of the nearest driving lane to all fire hydrants, and must be perpendicular to the hydrant.
15. All water mains installed on any project shall be a minimum pressure class 150. The minimum test pressure for all water mains is 200 psi.
16. Any conflict with existing utilities shall be immediately called to the attention of the engineer.
17. Unless otherwise approved by the City, all piping 4 inches in diameter and larger shall be either PVC C-900 or ductile iron pipe. All piping 2 inches in diameter and less shall be either tube size polyethylene pipe or Type K soft copper tubing. No 3-inch pipe shall be used within the City for any domestic or fire water service.
18. Landscaping and irrigation, adjacent to water vaults, shall be installed in such a manner whereby irrigation water drains away from the vault. All vaults located behind curb or sidewalk must be built with the vault opening designed to provide unobstructed access from the curb/street side of the vault.
19. Contractor shall provide appurtenances to perform pressure test and disinfection as required by the Uniform Design and Construction Standards For Potable Water Systems.
20. The contractor shall be advised that water service to existing customers shall remain in service at all times during construction. Line stops may be required in order to maintain service to existing customers. Given this, the contractor shall plan all work accordingly. However, if the City has determined that service must be disrupted in order to accomplish the proposed work, the contractor shall follow the City's established procedure for water main shutdowns. Circumstances may also require temporary service feeds to be installed. If so, the cost for such temporary service feeds shall be 100% borne by the contractor. Any temporary service feed must receive specific approval from the City.
21. All valve boxes, lids, manholes and appurtenances shall be brought to within 1/8" to 1/4" below final street grade.