

The General Notes for Water System Construction shown on the following pages (**Detail W730**) shall be included in each set of plans.

DETAIL W730
CHEROKEE COUNTY WATER AND SEWERAGE AUTHORITY
WATER SYSTEM CONSTRUCTION
GENERAL NOTES

- 1.) All water system construction must follow the current Cherokee County Water and Sewerage Authority Water Main Standards.
- 2.) All water mains shall be ductile iron pipe, except where the Construction Manager approves otherwise. Ductile iron pipe shall be thickness Class 50, designed in accordance with A.W.W.A. C150 and manufactured in accordance with AWWA C151. All ductile iron pipe shall have an outside bituminous coating per A.W.W.A. C151 and an inside standard cement lining with bituminous seal coat per A.W.W.A. C104. All references to A.W.W.A. standards shall mean latest revisions published.
- 3.) All line valves shall be marked by concrete valve markers.
- 4.) A concrete valve marker is to be placed directly above the plug on all dead-end water mains.
- 5.) Information regarding underground utilities on these plans is not guaranteed as to accuracy or completeness. Prior to beginning work, the Contractor shall request a field location through the utilities protection center and any utility owners thought to have facilities in the area. The Contractor shall promptly compare these field-marked locations with the project plans and then notify the Designer of any anticipated problems or need for contract changes. It is the Contractor's responsibility to excavate or cause the utility owner to excavate for the purpose of determining exact elevations or locations at utility crossings and other critical locations well in advance of the work under this contract. Damage to existing utilities resulting from the Contractor's negligence shall be repaired at the Contractor's expense.
- 6.) All service lines under pavement shall be encased in Schedule 40 P.V.C. casing with a minimum diameter of 2", extending a minimum of 3 feet beyond the pavement and/or sidewalk on each side of the road.
- 7.) Concrete blocking shall be placed at all bends, tees, valves, reducers and all other fittings. Prior to blocking, fittings shall be wrapped with polyethylene film.
- 8.) The developer shall obtain a construction permit from the C.C.W.S.A. and notify the Chief Inspector at least 4 days before beginning construction. The Contractor shall notify the Chief Inspector or his designated representative by 8:30 a.m. of each workday when work is scheduled unless authorized otherwise.
- 9.) Water mains shall be installed so that the top of the pipe is a minimum of four feet below final grade, four feet below the edge of the pavement, or four feet below the ditch paralleling the road, whichever is deepest. Contractor shall place a vertical piece of 2" P.V.C. pipe on top of the water main every 50' along the length of the main and at other locations as required by the Water Main Standards Section 507.
- 10.) All fittings and valves are to be mechanical joint with retainer glands unless otherwise

approved. Retainer glands shall be EBAA Mega-Lug or approved equal.

11.) Type 4 bedding is required at all restrained pipe installations.

12.) Flow Test Information:

Static Pressure: _____ psi at _____ ft.

Recorded Flow: _____ GPM with _____ psi residual pressure.

Maximum Elevation in Development _____ m.s.l. (to be determined by developer.)

Flow Available at Max. Elevation: _____ GPM with 20 psi residual pressure.

Size of water main at point of connection to project: _____ inches

Date of flow test: _____

(End of General Notes)