

BUTTS COUNTY, ET AL. WATER AND SEWER AUTHORITY  
MATERIAL SPECIFICATION SUMMARY  
All products must meet ANSI/NSF Standard 61 for Drinking Water System Components

ITEM	SPECIFICATION
Water Pipe, 6" and larger	<p>C909 PVCO (MO), Push-on joint, CI OD, 235 psi (Ultra Blue) preferred</p> <p>OR</p> <p>C900 PVC, Push-on joint, DR 18, CI 150, no JM or NAP brand</p> <p>OR</p> <p>Ductile Iron, ANSI/AWWA C151/A21.51, Pressure Class 350 min., exterior coat of bituminous and interior cement mortar lining</p>
Fire Hydrants	<p>4 1/2" valve opening, 3-way, American Darling MK-73-1, Mueller Super Centurion, M&amp;H Model 129 or AVK brands ONLY, must be factory painted silver directly over primer (NO RE-PAINTS!)</p> <p>Hydrants are to be installed with hydrant tees, anchor couplings, and 6" gate valves</p> <p>Max separation of 750' on existing county roads, 500' in subdivisions &amp; commercial developments</p>
Gate Valves, 6" and larger	<p>Mechanical joint, resilient seat conforming to AWWA 500, 2" square operating nut. Must have epoxy coat inside and outside. American, Clow, M&amp;H, or Mueller brands only.</p>
Fittings	<p>Short body ductile iron fittings for 350 psi water pressure conforming to ANSI/AWWA C110/A21.0 or ANSI/AWWA C153/A21.53; Cement lined with bituminous outside coating. Imports are acceptable.</p>
Tapping Sleeves and Valves	<p>Tapping sleeves shall be fabricated stainless steel. JCM Models 432, 462 or equal.</p> <p>Tapping valves shall be gate valves furnished in accordance with specifications shown above with flanged connection to the tapping sleeve and mj connection to the branch pipe.</p>
Valve Boxes	<p>Heavy roadway type cast iron, two piece slip or crew type with drop covers. Imports are acceptable.</p>
Valve Collars	<p>24"x24"x4" concrete pads with 9" opening</p>
Locate Wire	<p>14 gauge coated copper</p>
Service Tapping Saddles, 3/4" & 1"	<p>less than 10" : Bronze single band, (Ford model S90, Mueller model H-13000, McDonald model 3801 only)  10" &amp; up: Stainless steel single band (Smith-Blair 315, 325, or equal)</p>
Meter Boxes	<p>DFW Alliance 1200, Carson #10152026, or exact equal, plastic box  Vestal 1419, or exact equal, cast iron lid</p>
Corporation Stops, 3/4" & 1"	<p>Mueller H-15008, Ford F1000 or AY McDonald 4701T ONLY</p>
Curb Stops, 3/4" & 1"	<p>Main Pressure Less than 90 psi:  Ford B43-232WG, B43-444WG or Mueller, AY McDonald equal;  Main Pressure Greater than 90 psi:  Ford B41-233WG, B41-444WG or Mueller, AY McDonald equal;</p>
Service Line	<p>Type K soft copper tubing,</p>
Valve Markers	<p>To be provided by Water Authority</p>
ALL OTHER MATERIALS	<p>Ask for information</p>