

**WISE COUNTY PUBLIC SERVICE AUTHORITY - APPROVED MATERIALS LIST - WATER SYSTEMS**

ITEM	ACCEPTABLE MANUFACTURERS	Model Number(s), when applicable	SPECIAL NOTES/CONDITIONS
<u>Main Line Pipe - PVC - C900</u>			C900 only - C909 is specifically prohibited - DR-25 is specifically prohibited
DR-18, CI 150	JM Eagle, IPEX, Diamond Plastics, National Pipe, others as equivalent		To be used only up to 150 psi maximum pressure from 4" to 12"
DR-14, CI 200, DIOD	JM Eagle, IPEX, Diamond Plastics, National Pipe, others as equivalent		To be used only up to 200 psi maximum pressure from 4" to 12"
<u>Main Line Pipe - PVC - Sch 80</u>	Charlotte Pipe, others as equivalent		For sizes smaller than 4", up to 350 psi
<u>Main Line Pipe - HDPE - C906</u>			All sizes less than DR-11 are specifically prohibited
DR-11, CI 150, DIOD	JM Eagle, Performance Pipe, others as equivalent		To be used only up to 150 psi maximum pressure from 4" to 12"
DR-9, CI 200, DIOD	JM Eagle, Performance Pipe, others as equivalent		To be used only up to 200 psi maximum pressure from 4" to 12"
DR-7, CI 250	JM Eagle, Performance Pipe, others as equivalent		To be used only up to 250 psi maximum pressure from 4" to 12"
<u>Main Line Pipe - HDPE - C901</u>			
SDR-9, CTS	Endot Industries		For sizes smaller than 4", up to 200 psi
<u>Main Line Pipe - Ductile Iron</u>			Mechanical & Slip joints only
Class 50	American Cast Iron Pipe Co, US Pipe, McWane Ductile, others as equivalent		To be used up to 350 psi maximum
Class 51	American Cast Iron Pipe Co, US Pipe, McWane Ductile, others as equivalent		
Class 52	American Cast Iron Pipe Co, US Pipe, McWane Ductile, others as equivalent		Min class for flanged pipe
Class 53	American Cast Iron Pipe Co, US Pipe, McWane Ductile, others as equivalent		
Class 54	American Cast Iron Pipe Co, US Pipe, McWane Ductile, others as equivalent		
Class 55	American Cast Iron Pipe Co, US Pipe, McWane Ductile, others as equivalent		
Class 56	American Cast Iron Pipe Co, US Pipe, McWane Ductile, others as equivalent		
<u>Gate Valves (including tapping valves)</u>	American-Darling, Clow, M&H, Kennedy, Mueller, others as equivalent		Resilient Wedge only, no double disc gates allowed, up to 14" only
<u>Butterfly Valves</u>	American-Darling, Dresser, Pratt, others as equivalent		For 16" & larger
<u>Valve Boxes</u>	Tyler, others as equivalent	6850 with 5-1/4" drop lid	
<u>Fire Hydrants</u>	Mueller	A-423 Super Centurion	5-1/4" main valve opening with 2 hose and 1 pumper nozzles
	Kennedy	K-81-A Guardian	
	American Darling	B-84-B-5	
<u>Meter Setters</u>			
3/4" Single	Ford	VBH72-7W-44-33-G	No exceptions allowed under any circumstances
3/4" Tandem	Ford	TVBH72-9W-44-33-G	No exceptions allowed under any circumstances
1" Single	Ford	VBH74-10W-44-44-G	No exceptions allowed under any circumstances
1" Tandem	Ford	TVBH74-15W-44-44-G	No exceptions allowed under any circumstances
2"	Ford	VBH77-12-11-77-NL	Use for both 1-1/2" and 2" meters. Use adapters for installation of 1-1/2" meters. No exceptions allowed under any circumstances
<u>Meters</u>			
3/4" - 1"	Sensus	iPERL	No exceptions allowed under any circumstances
1-1/2" - 2"	Sensus	Omni	Compound or Turbo - type to be determined by PSA for particular application - no exceptions under any circumstances
3" & above	Sensus	Omni	Compound or Turbo - type to be determined by PSA for particular application - no exceptions under any circumstances
<u>Corporation Stops</u>	Ford, others as equivalent	F10003GNL for 3/4", F10004GNL for 1"	
<u>Service Line Fittings</u>			
Couplings	Ford, others as equivalent	C4433GNL for 3/4", C4444GNL for 1", C4477GNL for 2"	

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Male Adapters	Ford, others as equivalent	C8433GNL for 3/4", C8444GNL for 1", C8477GNL for 2"	
Female Adapters	Ford, others as equivalent	C1433GNL for 3/4", C1444GNL for 1", C1477GNL for 2"	
Tees	Ford, others as equivalent	T444333GNL for 3/4", T444444GNL for 1", T444777GNL for 2"	
Bends	Ford, others as equivalent	L4433GNL for 3/4", L4444GNL for 1", L4477GNL for 2"	
Curb Stops (grip joint)	Ford, others as equivalent	B44333GNL for 3/4", B44444GNL for 1", B44777GNL for 2"	
Curb Stops (female iron pipe)		B11333NL for 3/4", B11444NL for 1", B11777NL for 2"	
<b>Tapping Sleeves</b>			
For PVC or DI Pipe	Mueller, others as equivalent	H304DI	Stainless only, 4" to 12", up to 250 psi working pressure - 14" & larger to be project specific
For HDPE Pipe	Romac, others as equivalent	SST-H	Stainless only, 4" to 12", up to 250 psi working pressure
<b>Fittings</b>			
	DI pipe manufacturers above, Tyler Union, Sigma, Star Pipe, others as equivalent		All fittings to be ductile iron, no PVC fittings allowed. MJ fittings may be compact (AWWA C153) or full size (AWWA C110). Flanged fittings to be AWWA C110, flange rating to specified on project basis.
90 deg bends			
45 deg bends			
22.5 deg bends			
11.25 deg bends			
Tees			
Crosses			
Reducers			
Solid Sleeve Couplings			MJ Solid Sleeve type couplings to be "long" type
<b>Restrained Couplings</b>			
	Romac	Alpha	
	EBAA Iron	Series 3800	
	Hymax	Grip	
	others as equivalent		
<b>Air Release Only Valves</b>			
	ARI	S-050 for sizes less than 2", D-060/062 for sizes 2" & larger	No exceptions allowed
<b>Air Combination Valves</b>			
	ARI	D-060/062 for all sizes	No exceptions allowed
<b>Flushing Hydrants/Blow Offs</b>			
	Kupferle M78		
	others as equivalent		Other manufacturers must demonstrate that their products can be locked against unauthorized use
<b>Water Meter Boxes</b>			
3/4" and 1" Single Setter	Carson	Model 1520 with Old Castle 14194295 cover w/ recessed Sensus AMR solution	
3/4" Tandem Setter	Carson	Model 0024-18B	
1" Tandem Setter	Carson	Model 0024-18B	
3/4" Tandem Setter Covers	Vestal, Nicor, Trumbull	20" diameter opening H20-rated, recessed Sensus AMR solution	
1" Tandem Setter Covers	Vestal, Nicor, Trumbull	20" diameter opening H20-rated, recessed Sensus AMR solution	
1-1/2" and 2" Meters	Carson	Model 1730BCF	
	others as equivalent		
<b>Service Line Tubing</b>			
3/4" - 1" HDPE CTS SDR 9	Endot Industries	Endopure	Use only up to 200 psi
3/4" - 1" Copper - Type K malleable			Use for above 200 psi
2" HDPE CTS SDR 9	Endot Industries		Use only up to 200 psi
2" Copper - Type K malleable			Use for above 200 psi
	others as equivalent		
<b>Service Tapping Saddles</b>			
	Ford		
For non-C900 PVC	Ford	S70 for smaller than 2" service, S71 for 2" service; all design A	

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For C900 PVC	Ford	S90 for smaller than 2" service, S91 for 2" service;	
For DI and HDPE	Ford	design A for 4"-8", design B for 10" & 12"	
Universal	TPS	FSD202 for all ductile sizes	
	others as equivalent	T3 for 4" to 30" pipe and 1/2" to 2" service lines	
<b>Pipe Joint Restraints</b>			
For C900 PVC (4"-12")	Romac	PVC Romagrip - for MJ fitting joint restraint	This is for external joint restraints - integral joint restraints are acceptable
	Romac	600 Series - for in-line joint restraint	other restraint systems, such as GripRing, will be considered
	EBAA Iron	Series 2000PV	
For DI (4" & above")	Romac	Romagrip - for MJ fitting joint restraint	other restraint systems, such as GripRing, will be considered
	EBAA Iron	Series 1100 or 1100 TDM	model to depend on working pressure
	others as equivalent		
<b>Line Detection Markers</b>			
	Omni	blue for water	
	others as equivalent		
<b>Tandem Setter PRV's - 3/4" and 1"</b>			
	Zurn-Wilkins	600XL	
	others as equivalent		must be rated for 300 psi inlet pressure
<b>PRV's - 1-1/2" and 2" Meters</b>			
	Zurn-Wilkins	600XL	
	others as equivalent		must be rated for 300 psi inlet pressure
<b>Main Line Control Valves (PRV's, FCV, PSV's, etc.)</b>			
	Cla-Val	model type to depend on application - consult with factory rep and PSA staff	no manufacturer exceptions allowed
	others as equivalent		
<b>Reduced Pressure Zone Backflow Preventer</b>			
	Watts Regulator	LF009 (established as standard - other models may be considered on case-by-case basis)	
	others as equivalent		