



## *APACHE JUNCTION WATER UTILITIES CFD*

### **APPROVED WATER SYSTEM MATERIALS LIST**

**Effective July 1, 2025**

## Approved Water System Materials List

All materials that come in contact with drinking water will conform to NSF Standards 60 & 61 and be certified lead-free. This list is not all-inclusive and will change from time to time. Please review the written specifications and construction details for additional information on the application, use, and location of these water system materials.

### Water Mains:

- Ductile Iron Pipe: Class 350 for 4" thru 12"  
Class 250 for 14" thru 20"  
Class 200 for 24" thru 36" Mains (18' Laying Length):  
  
US Pipe: Tyton Joint  
American Cast Iron Pipe: Fastite Joint (20'LL)  
McWane  
Pacific States Cast Iron Company  
Griffin Pipe  
United States Pipe and Foundry Company  
Clow Pipe
- Fabricated Flanged Pipe: US Pipe  
McWane
- PVC0 AWWA C909 Purple Pipe (DIOD) Pressure Class 235 (DR-18)(20' LL)  
  
JM Eagle Ultra Blue, 6 through 16-inch  
Ipex Bionex, 6 through 30-inch
- Polyethylene Encasement – Mains (Polywrap) and Service Lateral Lines (Polywrap C)  
  
Christy's: Blue, Purple, Clear, 3 to 5-inch wide (1 to 2-inch)  
Christy's: Blue, Purple, 16 to 84-inch wide (3" to 42" OD)  
Trumbull: Blue, Purple, 16 to 81-inch wide (3" to 42" OD)  
Northtown: Blue, Purple, 12 to 81-inch wide (3" to 42" OD)

**Standard & Compact Fittings:** 350 PSI rating for 2" - 24" sizes  
250 PSI rating for 30" - 48" sizes  
150 PSI rating for 54" - 64" sizes

Star Pipe Products  
Clow  
Tyler Union  
United  
SIP Industries  
US Pipe

**Standard & Compact Fittings:** Sigma  
American

- Bolt-Through Mechanical Joint Connectors: Foster Adaptor, 6 to 36-inch  
Sigma Connector, 6 to 36-inch  
Star, 3 to 36-inch  
Accucast, 3 to 12-inch  
SIP, 3 to 24-inch

**Wedge-Type Joint Restraint:** EBAA Iron: 6" thru 48" Mega Lug Series 1100  
Tyler Union: 6" thru 16" TufGrip 1000 (DI), 2000 (C909)  
Star Pipe Products: 6" thru 48" Stargrip Series 3000 (DI), 4000 (C909)  
Sigma: One-Lok Series SLDE (DI), SLCE (C909)  
Ford: Uni-Flange 1400 (DI)  
Ford: Uni-Flange 1500 (C909)  
SIP Industries: PTPDF Series C909 to DI MJ Fitting

**Gasket-Type Restraint:** American Amarillo Fast-Grip, 4 to 30-inch  
American Fast-Grip, 4 to 30-inch  
Griffin Talon, 4 to 12-inch  
Gripper Gasket, 4 to 24-inch  
McWane Sure-Stop 350, 4 to 24-inch  
Romac Piranha, 4 to 24-inch  
Specification Rubber Barracuda, 4 to 16-inch  
US Pipe Field-Lok 350, 4 to 24-inch

**Mechanical Joint and Flange Accessories:**

- MJ Gaskets, SBR or EPDM
- FLG Gaskets, SBR or EPDM
- All-Thread, Bolts, T-Bolts and Heavy Hex Nuts:

All-Thread, 304/316 Stainless, Stainless Washers, and Stainless Heavy Hex Nuts  
Heavy Hex Bolt A307 Grade A or B, Zinc Plated, Buried, Below Grade, with Heavy Hex Nut  
Hex Bolt and Heavy Hex Nut, 304 Stainless  
Hex Bolt and Heavy Hex Nut, 316 Stainless  
T-Bolt and Heavy Hex Nut, 304 Stainless  
T-Bolt and Heavy Hex Nut, 316 Stainless  
HSLA Corten Blue (Fluoropolymer/Xylan Coated) T-Bolts and Heavy Hex Nuts  
HSLA Corten (Blue) T-Head Anti-Rotation Bolts and Heavy Hex Nuts

From:

Star	Sigma	Tyler-Union	US Pipe	SIP	Garlock	John Crane
Romac	Trumbull	Champion		Specification Rubber Products (SBR)		
Pacific Coast Bolt		IPT	Proselect		United/Napac	

**Gate Valves:**

- Mueller: C509 2" to 12" RW Gate Valve, MJ x MJ, A-2362-23/A-USP2  
C509 4" to 12" RW Gate Valve, MJ x FL, A-2362/USP2-19  
C509 6" to 12" RW Gate Valve, FL x FL, A-2362/A-USP2-6  
C515 14" to 48" RW Gate Valve, MJ x MJ, A-2361-23/USP1  
C515 14" to 48" RW Gate Valve, MJ x FLG, A-2361/USP1-19  
C515 14" to 48" RW Gate Valve, FLG x FLG, A-2361/A-USP1-6
- Clow: C509 2" to 12" RW Gate Valve, MJ x MJ, 2639  
C509 2" to 12" RW Gate Valve, MJ x FLG  
C509 2" to 12" RW Gate Valve, FLG x FLG  
C515 14" to 48" RW Gate Valve, MJ x MJ, 2638  
C515 14" to 48" RW Gate Valves, MJ x FLG  
C515 14" to 48" RW Gate Valves, FLG x FLG
- Valve Operator Extensions: Trumbull  
Pipeline Products

**Tapping Sleeve:** Mueller: H-615 MJ DI Tapping Sleeve for DI, CI, PVC  
Mueller: H-619 MJ DI Tapping Sleeve for CA

**Tapping Valve:** Mueller T-2362-19, 4 to 12-inch, AWWA C509  
Mueller T-2361-19, 14 to 48-inch, AWWA C515

**Valve Boxes:** Non-Traffic Areas: Tyler 562-A, two-piece, 6855 series adjustable CI valve box and cover. Cover marked "Water".

Traffic Areas: Tyler 564-A, two-piece, 6855 series adjustable CI valve box and cover. Cover marked "Water".

Star Pipe Products: VB562AHD Slip Type Valve Box, Valve Box Lid VB-006, VBDDL198B&L (VB-0029), Cover marked "Water".

Proselect cast iron slip valve box, IVBABS\* bottom section, IVBATS\* top section, IVBLID40W, cast iron lid with 2-inch skirt, cover marked "Water".

**Valve Box Debris Cap:** SW Services, DC457

**Valve Box Stabilizer:** VBS-U, 4" to 12" Gate Valves, Assured Flow Sales

**Pipe Couplings:** Mueller Hymax 2  
Smith-Blair  
Dresser  
JCM  
Romac

<b>Flexible Expansion Joint:</b>	Romac FlexiJoint, EBAA Iron Flex-Tend Star Pipe StarFlex 5000 Series
<b>Fire Hydrants:</b>	Mueller: Super Centurion 250, A-423 Clow: Medallion Assured Flow Sales Gradelok Offset Fittings Mueller or Clow Vertical Shoe
<b>Raised Fire Hydrant Pavement Markers:</b>	3M Series 290, No. 295-2B Stimsonite Model 980
<b>Tracer Wire:</b> (Blue, Purple)	Service Wire, 14 ga SSW Regency Wire, 14 ga SSW Southwire, 14 ga SSW
<b>Warning Tape:</b> (Blue, Purple)	Christy's Reef Industries Trumbull
<b>Electronic Marker Balls:</b>	3M 1403-XR Blue 3M 1408-XR Purple
<b>Copper Pipe:</b>	Cambridge-Lee Cerotube Mueller Industries Howell Streamline Lansdale Aeris
<b>Copper Fittings:</b>	Nibco Cello Streamline
<b>Brass Fittings:</b>	Cambridge Brass Lee Smith-Cooper Merit Cello
<b>Service Saddles:</b>	Mueller: BR2B Series, BR2S Series  AY McDonald: 3845/3846 ; 3825/3826 Jones: J-979 Ford 202B

<b>Corporation Stops:</b>	Mueller AY McDonald Jones Ford
<b>Service Fittings:</b>	Mueller AY McDonald Jones Ford
<b>Angle Meter Valve:</b>	Mueller AY McDonald Jones Ford Cambridge Brass
<b>Curb Stop:</b>	Mueller AY McDonald Ford
<b>Water Meter Setter:</b>	Mueller B2429N (1.5 and 2-inch) AY McDonald 739B612WWFF 665 (1.5-inch) AY McDonald 739B712WWFF 775 (2-inch)
<b>Meter Boxes:</b>	
- Armorcast:	P6001835A-MAG2-H7S (14x21x12)(Box/Cover) A6001835EX2-MAG2 Extension A6001832-MAG2-H7S-PUR (Purple Cover Only)  P6001854AX12-MAG4-H7S (19x30x12)(Box/Cover) A6001854EX3-MAG4 Extension 6001854AX24-MAG4-H7S (19x30x24)(Box/Box/Cover) A6001852-MAG4-H7S-PUR (Purple Cover Only)  A60000H7 AMR Plug (Glue-In or Bolt-On)
<b>Meter Vaults:</b>	Oldcastle, 575-LA, 575-WA, 612, 444WA Jensen Precast, 575-LA, 575-WA, 612, 444-WA Armorcast A6001440TAP48MT Armorcast A6001506TAP48MT
- Ladder Safety Post:	Bilco Ladder-Up, LU-2

<b>Backflow Prevention:</b> USC FCCCHR/UL/FM Approved	Watts Febco Ames Apollo Zurn-Wilkins
<b>Enclosures:</b>	Guardshack (AZ) Gorilla Cages (TX) Backflow Cages and Enclosures (AZ) Guardian Enclosures (TX)
<b>Pipe Supports:</b>	Pipeline Products Standon Trumbull Guardshack
<b>Pipe Witness Markers:</b> (Blue, Purple)	Carsonite Rhino
<b>Water Quality Sampling Station:</b>	Koraleen, Station Guard XLT
<b>Combination Air Release/Vacuum Valve:</b>	DeZurik Crispin AL Series Apco Val-Matic
<b>Pressure Relief Valve:</b>	Watts 174A, Model M
<b>Specialty Valves:</b>	Cla-Val Bermad Tideflex Apollo Singer Pratt Ames
<b>Corrosion Protection Primer:</b>	3M Scotchrap Pipe Primer
<b>Corrosion Protection Tape:</b>	3M Scotchrap 50 (10 mil), 51 (20 mil) Northtown 10 mil Proselect 10 mil Trumbull 10 mil Lansdale 10 mil
<b>Mud Plugs:</b>	Infact, 4" to 36"

<b>Asphaltic Repair Coating:</b>	ErgonArmor Blackhawk R-17-A-73
<b>Component Lubrication:</b>	Nye Fluorocarbon Gel 880FG (NLGI-2) Clarion Food Machinery Grease No.2 (NLGI-2)
<b>Steel Carrier Casing:</b>	ASTM A139 Grade B, AWWA C200 – See Detail W-1-300
<b>Casing Spacers:</b>	PSI Ranger II, CCI Piping CSS8, Advance Products & Systems SSI
<b>Casing End Cap:</b>	PSI Model "C", APS Cone, CCI ESC rubber seal, SS Bands