

**NOTES: 1.** Manufacturers interested in being added to the list must submit an application to the SAWS Product Standards Committee (PSC) for consideration. **2.** Product related questions or updates may be sent to productstandards@saws.org. **3.** SAWS reserves the right to remove products should concerns with the product be brought to the attention of SAWS PSC. **4.** SAWS is evaluating the currently approved sewer manhole coatings. No new sewer coating applications will be reviewed until this evaluation is complete.

San Antonio Water System Approved Products List (February 2024)			
W A T E R  /  R E L A T E D	P I P E	(05-12) Water Main -PVC C900	Diamond Plastic Corporation, JM Eagle, VinylTech Corporation, Northern Pipe Products, Pipelife Jet Stream, Westlake Pipe and Fittings.
		(05-13) Water Main-PVC C909	JM Eagle
		(05-12) Water Main-Fusible C900 PVC	Underground Solutions Inc.
		(05-14) Large Diameter Corrugated PVC Pipe	Contech Construction Products Inc. - A-2000/2026 Pipe & A2 Liner Pipe
		Water Main HDPE	Pending Product Applications (must meet SAWS construction spec No. 815 requirements)
		(05-20) Water Main - CSC	Pending Product Applications (must meet SAWS construction spec No. 820 and material spec No. 05-20 requirements)
		(05-11) Water Main - Ductile Iron (DI)	McWane, American, US Pipe Company, Electrosteel USA
		(05-11) Water Main - Ductile Iron (DI) (Internally Restrained)	Pending Product Applications (must be approved by SAWS Products Standards Committee)
		(05-11) Joint Restraint Gaskets for DI pipe	Pending Product Applications (must be approved by SAWS Products Standards Committee)
		(100-70) Polywrap for DI pipe	Valeron - 4 Mil Cross Laminated, 8 Mil meeting applicable requirements set forth in construction spec No. 814 (Ductile Iron Pipe) and Material Spec 100-70.
		(05-30) Water Mains - Steel	Pending Product Applications (must meet SAWS material spec No. 05-30 "Steel Pipe Installation" requirements)
		(05-30) Steel Coatings	Pending Product Applications (must meet SAWS material spec No. 05-30 "Steel Pipe Installation" requirements)
		(100-40) Polytape for Metal Water Mains	Scotchrap All-Weather Tape - 50
		(05-31) Casing Insulators	Pipeline Seal & Insulator, Inc. - Houston, TX - C8G-2, SI8G-2, C12G-2 or SIIG-2 Advance Products & Systems, Inc.- Lafayette, LA - APS S18-2, APS SS18-2, APS S112-2, APS SS112-2, SI8M-2, SI12M-2 Power Seal Pipeline Products, Inc. - Wichita Falls, TX - 4810 SS (Stainless steel), 4810 CS (Carbon steel) CCI Piping Systems - Breaux Bridge, La - CSC 8" & 12" Wide, CSS 8" & 12" Wide, End Seals
	Water Services HDPE	Pending Product Applications (must meet SAWS construction spec No. 815 and 824 requirements)	
	Water Services PEX	REHAU Municipex (3/4" to 2")	
R E S T R A I N T S		(95-10) Joint Restraint Systems (PVC C-900)	<b>(Slip on Joint System):</b> Ford/Uni-Flange - 1390C, EBBA Iron Sales, Inc - 1500, Romac Industries Inc. 4-12 inch - Model 611, Star Pipe Products 4-12 inch - model 1100G2, Star Pipe Products 14-36 inch - model 1100, Tyler Union - 3000PP, Sigma Corporation - PV-LOK or (PVP)/PTP, SIP Industries - PTPVC. <b>(Compression Ring System):</b> Romac Industries, Inc. - GripRing-D1 <b>Non-Metallic Restrained Joint Pipe and Couplings for PVC C-900 RJ Type Connections:</b> Westlake Pipe and Fittings - Certa-Lok C-900/RJ (4" – 12") <b>Fitting Restraint (MJ):</b> EBBA Iron Sales, Inc. - 2000 PV. Ford/Uni-Flange - UFR-1500-C 4"- 24", StarPipe Products - Stargrip 4000, Sigma Corporation - One Lok SLC, Tyler Union - TUFGRIP 2000 F. SIP Industries - EZPVCP. <b>Restrained Flange Adapters:</b> EBBA Iron Sales, Inc 4-20 inch - 2100 Megaflange
		(95-10) Joint Restraint Systems (DI)	<b>(Slip on Joint System):</b> Ford/Uni-Flange 8-12 inch - 1390C, EBBA Iron Sales, Inc - 1700, Sigma Corporation 8-12 inch - PV-LOK (PVP)/PTP/SLDH, SIP Industries - EZDPTP (4"-36"), Starpipe 8-12 inch - series 1100. <b>(Compression Ring System):</b> Romac Industries, Inc. - GripRing-D1. <b>Fitting Restraint (MJ):</b> EBBA Iron Sales, Inc. - Megalug1100, Ford/Uni-Flange - Series 1400. Sigma Corporation - One Lok SLD, Tyler Union-TUFGRIP 1000F. SIP Industries - EZDP. StarPipe Products - Stargrip 3000 <b>Restrained Flange Adapters:</b> EBBA Iron Sales, Inc 4-24 inch - 2100 Megaflange. Ford/Uni-Flange, 8-12 inch - series 400, 4-24 inch - series 420.
		(95-10) Joint Restraint Systems (DI 16" +)	<b>(Slip on Joint System):</b> Ford/Uni-Flange - 1490, EBBA Iron Sales, Inc - 1700, Sigma Corporation - SLDEH.
V A L V E  S		(21-02) Resilient-seated Gate and Tapping Valves C509	Mueller Company - A2362/A2361 (4"-24"), US Pipe Valve and Hydrant - A-USP2 (3"-12"), Clow Valve Company - 2639 (2"-12"), M&H Valve Company - 4067, American AVK Company - Series 45
		Reduce Wall Resilient-seated Gate and Tapping Valves C515-01	American Flow Control - 2500 (3"-24"), Clow Valve Company - 2638 (3"-24"), Kenedy Valve - KS-RW (3"-24"), Mueller Company - 2361 (3"-24"), EJ - FlowMaster (4"-16"), EJ - Flowmaster (20" & 24" w/ bronze or stainless steel stem). American AVK -Series 45 (14"-16"), American AVK Series 65 (3"-12"),
		Butterfly Valve	Mueller - Linseal XP/Linseal III/Linseal XP II, DeZurik - BAW, Crispin Valve - K-Flo Model 500 and K-Flo Model 47, Val-Matic Series 2000.
		(21-25) Valve Bronze Globe	Stockham - B13T (1/4"-2"), Nibco T-211Y, Powell 650, Kitz # 09 (1/4"-2")
		Valve-Check Dual-Plate Wafer	APCO Style 9000
		(30-35) Valve-Detector Check	Mueller Company, Ames Fire and Waterworks (6",8",10"), Febco, Watts 07F
		(30-65) Valve-Pressure Reducing	Cla-Val, GA industries (1"-36"), Watts, Singer, Bermad 720 (1"-36")
		(21-10) Gate Valves Brass	Nibco Valve Company - T-113 (2"). Stockham Valve Company - B-103 (2"). Hammond Valve Company - IB-645. Milwaukee - 105 (2"). Kitz Corporation - #46 (2").
		(29-01) Air Release Assemblies	See material specification 29-01 for list
		(100-90) Vault-Double Check Detector Assembly Vaults	Oldcastle, Park USA, Capital Precast.
F I T T I N G S		(10-10) Gray Iron and Ductile iron fittings	Pending Product Applications (must meet SAWS material spec 10-10)
		HDPE Fittings	Pending Product Applications (must meet SAWS construction spec No. 815 and material specification "Pipe and Fittings High Density Polyethylene" requirements)
		(100-34) Coupling for Standard/Wide Range DI Couplings	<b>Straight Couplings:</b> JCM Industries - 210. Romac Industries, Inc - 501. Smith-Blair, Inc - 441. Ford Meter Box Co Inc - FC1. Powerseal Pipeline Products Corp - 3501 (4"-24"). Dresser - 253 (4"-24"). <b>Wide Range Couplings:</b> PowerSeal Pipeline Products Corp - 3506 (3"-12"). The Ford Meter Box Company, Inc - FC2W.
		(100-50) Coupling Wide Range Transition	Mueller - Hymax 2000 (4"-24"), Total Piping Solutions - TX3 (3"-16")
		(100-30) Fitting Service Saddle	<b>A-range Model (C900, C905, DI):</b> AY McDonald - 3846 (4"-12"). Romac Industries, Inc. - 202BS. Ford Meter Box Co., Inc - 202BS 4"-12". Jones - J969. Mueller Co. - BR2S. (C900, C905, DI): Total Piping Solutions -T3 Wide Range Service Saddle. <b>B-Range Model (AC):</b> AY McDonald - 3826/3846/3856 (4"-12"), 3826/3846 (14"+). Romac Industries, Inc. - 202BS. Ford Meter Box Co., Inc. - 202B/202BS. Jones - J979/J969. Mueller Co. - BR2B/BR2S. Total Piping Solutions -T3 Wide Range Service Saddle. <b>C905, Ductile/Cast Iron, and AC Pipe Sizes Above 16":</b> Smith Blair Epoxy Coated Stainless Bands A-range - 366 W/Special Strap 304SS JCM Ductile Iron Double Strap Saddle A-range 406. Total Piping Solutions -T3 Wide Range Service Saddle. <b>HDPE, Cast Iron, Ductile, C900 PVC, IPS PVC, AC) (4"-16")</b> Ford Meter Box - FS323-474-561-TAP, FS323-655-742-TAP, FS323-765-TAP, FS323-854-944-TAP, FS323-899-984-TAP, FS323-1064-1146-TAP, FS323-1134-1216-TAP, FS323-1262-1356-TAP, FS323-1442-TAP, FS323-1842-1923-TAP, FS323-1725-1818-TAP.
		(100-35) Fitting Tapping Sleeve	<b>(4"-12"):</b> JCM Industries - #432. PowerSeal - #3490AS or 3490MJSS. Ford Meter Box - FTSS. Romac Industries - SST III. Total Piping Solutions, Inc.- Triple Tap Tapping Sleeve. <b>(16" and larger):</b> Smith-Blair - #622. JCM Industries - #412. Romac Industries - SST III. Ford Meter Box - FTS. PowerSeal - 3490MJSS
		(15-40) Water Service Brass Fittings	<b>Angle Curb Stop:</b> AY McDonald - 74612BQ, 74652BQ. Ford Meter Box Co. - BA43-232WRQ-NL, BA43-344WRQ-NL, BFA43-666WRQ-NL, BFA43-777WRQ-NL. James Jones Co. - E-1963WSG-N, E-1975WSGLS-N. Mueller - B24258R-3N, B24276-3N. <b>Straight Curb Stop:</b> AY McDonald - 76111W. Ford Meter Box Co. - B11-777WR-NL. James Jones Co. - J1900-RN. Mueller - B-20200-3N. <b>Corporation Valve:</b> AY McDonald - 74701BQ, 74704 BQ. Ford Meter Box Co. - FB-1000Q-NL, FB-1100Q-NL. James Jones Co. - E-1935 SG-N, E-1937 SG-N. Mueller - B25008N, B-25028N. <b>Swivel Nut/Coupling:</b> AY McDonald - 74654B. Ford Meter Box Co. - BA13-232WR-NL. James Jones Co. - E-1966WLS-N. Mueller - B24265-3N.
		(100-32) Standard/Wide range repair and tap clamps	<b>Standard:</b> Dresser Piping Specialties repair clamp 360. JCM Industries, Inc. repair clamps 101,102 and tap clamps 103,133. Romac Industries Repair Clamp CL1, CL2, CL3 and Tap Clamp CL1, CL2, CL3. Smith-Blair Repair Clamp 226,227, 228 and tap clamp 228, 239. The Ford Meter Box Co., Inc. Repair Clamp F1, F2, F3 and Tap Clamps F1, F2, F3. PowerSeal Products Corp. Repair Clamp 3121, 3122, 3123 and Tap Clamp 3131, 3132. Cascade Waterworks Manufacturing CDR1 Ductile Lug Only (4"-24"). <b>Wide Range Repair Clamps:</b> Total Piping Solutions Quick Cam Rapid Seal Repair Clamp Series QCRS-SS (water main) 4" thru 12" single panel, 16" thru 24" two panel.

W A T E R	M I S C		
		(21-30) Dry-Barrel Fire Hydrants	Clow Valve Company - Medallion. Kennedy Valve Company - Guardian. M & H Valve Company - Reliant Model 129S. Mueller Company - Super Centurion A473. American AVK Company - Model 2780 Dry. EJ - Water Master Water Hydrant Model #5CD250. American Darling - B84B 5-1/4" (w / metal weather cap).
		(10-30) Meter Boxes	DFW Plastics, Inc. Box: DFW1218-11-BODY, Lid: DFW1218-1MWF_500_SAWS-LID, Combo: DFW1218-11-1MWF_500_SAWS. Sigma Corporation: Box: RMB1218-SAWS, Lid: N1117BLKSAWS-UM)
S E W E R		Sewer Pipe-Fiberglass	HOBAS - FRP Pipe
		Sewer Pipe-PVC	Pending Product Applications (must meet SAWS construction spec No. 848 requirements)
		Sewer Pipe-HDPE	Pending Product Applications (must meet SAWS material spec "Pipe and Fittings High Density Polyethylene" requirements). Product must meet construction spec 848 "sanitary sewer" requirements.
		Sewer Laterals	Pending Product Applications (must meet SAWS construction spec No. 848 and 1109 requirements)
		Sewer Manholes-Concrete	Capital Concrete Products. Old Castle. Capital Precast Inc. Turner Company. AmeriTex Pipe and Products.
		Sewer Manholes-Fiberglass	NOV
		Sewer Manholes & Structures - Polymer Concrete	US Composite Pipe Inc.
		Manhole Ring and Covers	SIP Industries (30" Opening), ERGO Assembly (24" Opening), ERGO XL Assembly (30" Opening), Neenah Foundry (Lift Mate R-1650-LM (24") and Lift Mate R-1743-LM (30") Opening), Cap One-30 - 30" Composite Polymer Manhole Cover
		Sewer Manhole Coatings	<b>Stand Alone Coating:</b> Kerneos - SewperCoat 2000 HS & PG. Raven - 405 Series High Build Epoxy Liner. <b>Approved only with Additional Epoxy Top coat:</b> Permaform - CR-9000. Strong-Seal - MS-2C. Standard Cement Material Inc. - Reliner. Quadex - Aluminaliner. Sprayroq - Spraywall (only on manholes in rock or karst areas certified to be free of any groundwater)
		Sewer Main Repair Couplings	Gripper Gasket LLC - Maxadapter One and Done Universal Repair Coupling 4",5",6",8",12".
		Manhole Adjustment Rings	Ladtech Inc.
		Sewer Manhole Rubber Joint Seal	Sealing Systems Inc. - Gator Wrap
		Sewer manhole I&I Barrier	Strike Tool Products