

D. List of Approved Products					
Last Updated July 2021					
<u>Water Line Pipe, Fittings and Appurtenances</u>		Other materials proposed for use must receive approval from the Augusta County Service Authority. It shall be the Developer's responsibility to provide documentation which demonstrates an alternate item is "equal" to the item found on the Approved Products List			
	<u>Manufacturer</u>	<u>Model/Series</u>			
<u>Ductile Iron Pipe & Fittings</u>					
<u>Pipe (Class 52)</u>					
	American (ACIPCO)				
	McWane Ductile (Includes Atlantic States Cast Iron Pipe Co., Clow)				
	US Pipe (Includes Griffin)	TR Flex Restrained Joint Pipe allowed			
<u>Fittings</u>					
	McWane Ductile (Includes Atlantic States Cast Iron Pipe Co., Clow)				
	Sigma	(Includes D.I. Mech. Joint Connector)			
	Star Pipe Products	(Includes MJ x MJ Adapter Series 100)			
	Tyler Union				
	US Pipe (Includes Griffin)				
	NACIP				
	In Fact	(Foster Adapter only)			
<u>Joint Restraint</u>					
<u>Mechanical Joint Restraint</u>					
	EBAA Iron Inc.	Mega-Lug Series 1100			
	Ford	Series 1300			
	Romac Industries	Grip Ring, Roma-Grip			
	Sigma Co.	One-Lok - D-SLDE			
	Tyler Union	TUF-Grip			
	Star Pipe Products	Stargrip Series 3000, 3000S, Starlug			
<u>Push-On Joint Restraint</u>					
	EBAA Iron Co.	Mega-Lug Series 1700			
	Ford	Series 1390			
	Romac Industries	611			
	Sigma	SSLDH			
	Star Pipe Products	Stargrip Series 3100P, 3100S	Series 1100 For Ductile Iron Pipe		
<u>Internal Restraining Gasket*</u>					
	US Pipe	Field Lok 350			
	Or as required by pipe manufacturer & approved by ACSA				
	*All joints containing these gaskets must be marked with warning tape approved by ACSA to indicate their presence				
<u>Casing Pipe End Seals</u>					
	Cascade	Style CCES			
	APS	Models AM, AC, AW			
	CCI-Pipeline Systems Inc.	Models ESW, ESC			
	Spider Manufacturing	N Seal Pull On End Seal			
	BWM	Models BWM-PO, BWM-WR			
<u>Gate Valves</u>					
	American Flow Control (American Darling)	2500			
	AVK	65, 45			
	Clow	2639			
	Kennedy	KS-RW			
	Mueller	2361 & 2362			
	1.5" AVK	03-050-TTN			
	2" AVK	03-063-TTN			
	Mueller	A2362 W/Thread Connections			
<u>Butterfly Valves</u>					
	Bray				
	DeZurik				
	Kennedy				
	M&H				
	Val -Matic	2000 Series			
<u>Valve Boxes & Lids (2 piece boxes slip/sliding type)</u>					
	Bingham & Taylor	Fig. 4908			
	Capitol Foundry	Standard 2 pc Slide Type			
	Tyler Union	Series 6855			
	East Jordan Iron Works	Series 8555-85552737			
	"Heavy-duty" lids required in pavement areas or as designated by ACSA				

	<u>Manufacturer</u>	<u>Model/Series</u>		
<u>Fire Hydrants</u>				
	American Flow Control (American Darling)	B-84-B-5		
	AVK	Model 27		
	Clow	Medallion F2545 - 5.25		
	Kennedy Valve Co.	K-81 D - 5.25		
	Mueller	A-423		
<u>Air Release Valves</u>				
	Cla-Val	Series 34		
	Crispin Valve	M10		
	Val-Matic	15A		
<u>Combination Air Valve</u>				
	Cla-Val	Series 36		
	Val-Matic	201C		
<u>Blow Off Assembly 2"</u>				
	Kupferle	Mainguard 78		
	Mueller	A-412		
<u>Water Metering Equipment</u>				
<u>Small Valves 1/2" - 2-1/2"</u>				
	AY McDonald	2035 Series		
	Kennedy	Bronze		
	Milwaukee	1151		
	Nibco	T-113		
	Stockham (Crane Energy)	B-100		
<u>Small Ductile Iron Pipe & Fittings - 1-1/2" - 3"</u>				
	Harco	(Internal and external epoxy coating required)		
<u>Copper Fittings & Adaptors - 3/4" x 1"</u>				
	AY McDonald	(compression fittings only)		
	Mueller	Ranger Fitting Allowed		
<u>Corporation Stop - 3/4" - 2"</u>				
	Ford	FB1000-Q NL Series		
	Mueller	B-25008N		
	AY McDonald	74701BQ		
<u>Meter Setter</u>				
5/8", 3/4", 1"	AY McDonald	Standard Yoke Bar		
	Ford	500 Series		
	Mueller	8B		
	AY McDonald	708UQM (U-Branch for dual connections in single box)		
1-1/2"	Ford 70 Series	VBB76-18HB-11-66-NL		
	AY McDonald	720-R618WWFF 665		
2"	Ford 70 Series	VBB77-18HB-11-77-NL		
	AY McDonald	720-R718WWFF 775		
<u>Fire Meter Setter</u>				
1-1/2"	Ford 70 Series	76-18-11-66-NL		
	AY McDonald	720-618NNFF 660		
2"	Ford 70 Series	77-18-11-77-NL		
	AY McDonald	720-718NNFF 770		
<u>Box & Covers</u>				
5/8" - 1" meters & Dual 5/8" meters	<u>Box Manufacturer</u>	<u>Cover Manufacturer</u>	<u>Model/Series</u>	
	Carson/MidStates		MS182420-NK (SKU No. 00182038)	
	DFW		DFW-182424FTP	
	Sigma		RMP182224SFB-W	
		Nicor (Polymer Lid)	A-32 Augusta	
			<i>(Nicor 12.25PWATHO Type A)</i>	
		AY McDonald (Frame Only)	74MAF18	
		Ford (Frame Only)	FA32	
1 1/2"-2" meter	Carson/MidStates		MS3630B-NK	
	DFW		DFW-3630	
		Nicor (Polymer Lid)	21.25PWATO	
			<i>(Water logo, two threaded bosses and metal location disk)</i>	
		AY McDonald (Frame Only)	74MF1020 flange with 74MR1000 riser	
		Ford (Frame Only)	FL-36 flange with PR riser	

	<u>Manufacturer</u>	<u>Model/Series</u>		<u>Frame</u>	<u>Cover</u>
<u>Large Meter Frame & Cover</u>					
	East Jordan Iron Works, Inc	Durowalk-COM7026028A01			
	East Jordan Iron Works, Inc	Durostreet-COM260334A01		COM260210	COM260334
<u>Meters</u>					
	5/8"-10"	(ACSA to install)			
<u>Expander Wheel</u>					
	AY McDonald	4139 Series (hard fiber gasket)			
	Ford	EC Series (must specify fiber gasket)			
<u>Angle Valve</u>					
	5/8", 3/4", 1"	AY McDonald	74642BYQ		
	Ford	BA94-xxxW-Q-NL			
<u>Type K Copper Tubing</u>					
	3/4" - 1"	Mueller Industries			
		Howell Metal			
		Cambridge-Lee (IUSA)			
<u>Plastic Water Service Tubing (PEX 3/4" - 2")</u>					
	Rehau	Municipex			
<u>PVC Pipe, Fittings, Valves</u>					
<u>PVC Schedule 80 - 1/2" - 16"</u>					
	Charlotte Pipe & Foundry				
	Harco				
	Harvel Plastics				
	National Pipe & Plastics				
	Spears				
<u>Pressure Reducing Valves (PRVs) and Control Valves</u>					
	Cla-Val				
	Watts	(sizes 3" and smaller, lead free only)			
<u>Pipe Spacers in Casing (304 SS or HDPE)</u>					
	Cascade Waterworks Manufacturin	CCS, CCS-ER			
	CCI-Pipeline Systems Inc.	CSS			
	RACI				
	BWM	SS, Spyder			
	Spider Manufacturing	Stainless w/ Poly Skids, Stainless w/SS Skids, Black Widow 4 Legs w/Poly Skids			
	APS	SSI, SI w/Thermoplastic Powder Coating			
<u>Repair Clamps and Dresser Couplings</u>					
	Ford				
	Romac				
	Smith Blair				
	Hymax (by TPS)				
<u>Tapping Saddle (* double strap)</u>					
	Ford	FS 202*			
	Mueller	DR2S*			
	Romac	202S*			
	Smith Blair	317*			
	2" Municipex Romac	306-H Stainless Steel Service Saddle			
	2" Municipex Ford	FS313W Stainless Steel Saddle			
<u>Tapping Sleeve (all stainless steel)</u>					
	Ford	FAST, FTSS			
	Mueller	H-304SS			
	Romac	SST, STS420			
	Power Seal	3490			
	JCM	432			
<u>Tapping Valves</u>					
	American Flow Control	2500 series			
	AVK	65 or 45 series			
	Clow	2639 series/model F-6114			
	Kennedy	KS-RW			
	Mueller	T-2361			
<u>Underground Pipe Insulation</u>					
	Pittsburgh Corning	FOAMGLAS Insulation			

<u>Above Ground Pipe Insulation</u>	<u>Manufacturer</u>	<u>Model/Series</u>	<u>Tape</u>	<u>Adhesive</u>
	Aeroflex	906A-ACS1043 With Aluminum Jacketing	Protape	Aeroflex
<u>Water Sampling Station</u>	Kupferle	Eclipse #88 or MainGuard #94WM		
<u>Sanitary Frostproof Yard Hydrants</u>	Freeze Flow by Hoepfner	Executive Hydrant		
<u>Sanitary Sewer Pipe and Fitting Materials</u>				
<u>PVC Pipe & Fittings (Non Pressure)</u>				
<u>PVC SDR 35 - 4"-15"</u>	Certainteed Pipe			
	Diamond Plastics Corp.			
	National Pipe & Plastics			
	North American Pipe Corporation - NAPCO			
<u>PVC C900 Water Pipe - (can be used through casing with joint restraint for sanitary sewer)</u>	Ipex			
	Diamond Plastics Corp.			
	National Pipe & Plastics			
	North American Pipe Corporation - NAPCO			
<u>PVC Joint Restraint (for use with C900 through casing as non-pressure sanitary sewer)</u>	EBAA Iron Inc.	Series 1500		
	Ford	Series 1390-C		
	Romac Industries	611 - Black		
	Sigma	PV LOK Series P-PWP		
	Star Pipe Products	Series 1100C		
	Tyler Union	32U Series 3000PP Black		
<u>HDPE</u>	National Pipe & Plastics			
	Ipex			
<u>PVC Fittings</u>	Harco Fittings			
	Multi Fitting			
	GPK Fittings			
<u>Repair Fittings and Clean-outs</u>	Fernco			
	Geneco (clean-outs)			
	Maxadaptor			
<u>Ductile Iron Pipe and Fittings (Force main, deep installation, other special conditions - Class 50)</u>				
<u>Pipe</u>	American (ACIPCO)			
	Atlantic States Cast Iron Pipe Co.			
	Clow			
	Griffin Pipe Products Co.			
	US Pipe			
<u>Fittings</u>	Clow			
	Griffin			
	Sigma			
	Star Pipe Products			
	Tyler Union			
	US Pipe			
<u>Gauges</u>	WIKA	113.13.15.30V.B	Vacuum Testing	
	WIKA	113.13.20.15.L	Sanitary Sewer Pressure Testing	
	WIKA	113.13.25.300.B	Waterline Testing/Fire Line Vaults	

	<u>Manufacturer</u>	<u>Model/Series</u>		
<u>Sewer Connection Saddle</u>				
	Romac	CB (ACSA approved for use only on 4-6" connections)		
	Inserta Fittings Co.	Inserta Tee		
<u>Manholes and Appurtenances</u>				
<u>Pre-Cast Reinforced Concrete Manholes</u>				
	Concrete Pipe & Precast (CP&P) (formerly Hanson Pipe / Americast)			
	Winchester Building Supply (WBS)			
	Tindall Corporation			
<u>Exterior Joint Wrap 6" Minimum Width</u>				
	ConSeal	ConWrap CS-212	With CS-75 Primer/Adhesive	
	Sealing Systems, Inc.	Infi-Shield Gator Wrap		
	Adaptor, Inc.	Adaptor Seal Barrel Wrap		
<u>Frame and Cover, Riser Rings</u>			<u>Cover</u>	<u>Frame</u>
	East Jordan Iron Works, Inc.	1040C-1040354/104193 (Standard)	1040AGS-103971 (Watertight)	1045Z-104511
	East Jordan Iron Works, Inc.	2600 Composite Assembly COM260304A01	COM260304	COM260210
	U. S. Foundry & Mfg. Corp.	CMH1313AUGUSTA	SP-CMH1313CLWT (Watertight)	USF 755
<u>Riser Rings</u>				
	East Jordan Iron Works, Inc.	Infrariser	IR-C	
	Cretex	Pro-Ring	M1 Adhesive/Sealant	
<u>Cleanout Frame and Cover</u>				
	East Jordan Iron Works, Inc.		1566A-156622	1566Z-156611
	Capitol Foundry	PCO-1*MOD (non-traffic areas only)		
<u>Concrete Manhole Connectors (flexible boot)</u>				
	A-LOK Products, Inc.	Z-LOK Connector		
	NPC, Inc.	Kor-N-Seal		
	Press-Seal Gasket Cor.	Press-Boot		
		PSX Direct Drive		
<u>Grout</u>				
	Preco Industries, LTD	Preco-Patch		
	Master-Flow	713 Grout		
<u>Butyl Resin Sealers</u>				
	Concrete Products Supply Co.	CPS-210		
	Concrete Sealants, Inc.			
<u>Sewer Combination Air Valves</u>				
	Cla-Val	36-WW		
	Crispin Valve	US Series		
	Val-Matic	801A		
<u>Plug Valves</u>				
	DeZurik			
	Kennedy			
	M&H			
	Val-Matic	5600 & 5800 Series		
<u>Sewer Backflow Preventer Valves (for vented manholes only)</u>				
	Josam	67100A		
		(or approved equal to the above)		
<u>Pump Stations (water and sewer)</u>				
<u>Sewer Pumps</u>				
	Flygt Submersible			
	Gorman-Rupp			
	EBARA			
	Wilo			
	Fairbanks			

	<u>Manufacturer</u>	<u>Model/Series</u>			
<u>Flow Meters (magnetic)</u>					
	Toshiba				
	McCrometer				
<u>Float Switches (all mercury free)</u>					
	Flygt ENM				
	Conery Mfg., Inc.				
<u>Controls & Electrical</u>					
	SquareD				
	Cutler-Hammer				
	Allan-Bradley				
<u>Variable Frequency Drive's (VFD'S)</u>					
	SquareD				
	Cutler-Hammer				
	Siemens				
	Benshaw				
	Allan-Bradley				
<u>Hydro-Tanks</u>					
	Highland Tank				
	Adamson Global Technology Corporation				
<u>Pre-Fab Buildings</u>					
	Clear Flow Co.	Stonewall			
<u>Access Hatches (Load rating shall be H20 unless otherwise approved)</u>					
	Bilco Type K or KD				
	Halliday				
	E-Z Set Hatch Co.				
<u>Chlorine Feed Equipment</u>					
	Regal Gas				
<u>Chemical Feed Pumps</u>					
	LMI				
	Blue-White				
<u>Water Booster Pumps</u>					
	AMT (Gorman Rupp)				
	Goulds				
	Grundfos				
	Fairbanks Morse				
<u>Well Pumps</u>					
	Goulds				
	Grundfos				
<u>Vertical Turbine Pumps</u>					
	Fairbanks Morse				
	Goulds				
<u>Pump Motors</u>					
	Baldor				
	Franklin				
	Lincoln Electric				
	US Motor				
<u>Diesel Generators</u>					
	Caterpillar				
	Kohler Power Generation				
<u>*SCADA EQUIPMENT UNIQUELY QUALIFIED*</u>					
Radios	Landis+Gyr	Most Current Series or As Approved			
SCADA Pack	Schneider Electric	Typical Water Tank - TBUP100-1A20-AA10 (Alternate Codes As Approved)			
		Typical Booster Station - TBUP334-1A20-AB10S (Alternate Codes As Approved)			
		Larger Projects - TBUP357-1A20-AB10S (Alternate Codes As Approved)			

	<u>Manufacturer</u>	<u>Model/Series</u>		
<u>Pressure, Level and Temperature Transmitters</u>				
	Rosemount			
	Kobold			
	USA Blue Book			
<u>SCADA Accessories</u>				
1 - Surge Protective Device	Square D or Approved Equal	SurgeLogic or Approved Equal		
1 - 41003 Surge Protector				
1 - NEMA 3R Box Size TBD				
1 - 24" x 30" NEMA 4 Box				
1/2" Coaxial Cable		EC4-50		
1 - 150-15 Power Supply	Mean Well or Approved Equal			
1 - Telephone Pole for Antenna		Height to be determined by ACSA		
1 - 12V 12AH Sealed Lead Acid Battery				
1 - Omni Directional Antenna	PCTEL Maxrad or Approved Equal	MFB9157NF or Approved Equal-N Style Connection	806-960 MHz 7 DB gain	
1/2" Coaxial Cable Ends	CommScope or Approved Equal	N Style Connectors		
<u>Safety Equipment</u>				
<u>Full Body Harness</u>				
	DBI Sala/Capital Safety	Exofit Nex		
	3M	Evolution		
<u>Double-leg lanyard</u>				
	DBI Sala/Capital Safety	none at this time		
	3M	209550-0241		
<u>Single-leg Lanyard</u>				
	DBI Sala/Capital Safety	1246318		
	DBI Sala/Capital Safety	1246306		
	3M Protecta	1341001		
<u>Self Retracting Lanyard</u>				
	DBI Sala/Capital Safety	none at this time		
	3M	MS-16		
<u>Self Retracting Lanyard/Bucket Truck</u>				
	DBI Sala/Capital Safety	3101575		
<u>SRL for Tri-pod & Davit Arm</u>				
	DBI Sala/Capital Safety			
<u>Climbing Helmet</u>				
	Kask	Super Plasma		
<u>Cross Arm Strap</u>				
	3M	4550-3		
	3M Protecta	AJ450A		
<u>High Visibility Safety Vest</u>				
	3M	Class 3		
<u>High Visibility Jacket</u>				
	Majestic	Style 75-1301		
<u>Hard Hat</u>				
	Fibre Metal by Honeywell	Model 3R Full Brim (1E)		
<u>Electrical Gloves</u>				
	Salisbury	D120 type 1		
<u>Gas Meter</u>				
	MSA	ALTAIR 4XR		
<u>Temporary/Portable Guardrail</u>				
	DBI Sala/ Capital Safety	7900060, 7900061		
<u>Tri-Pod</u>				
	DBI Sala/ Capital Safety			
<u>Parapet Wall</u>				
	Gaurdain Fall Protection	15170		
<u>Ventilator/Blower</u>				
	To Be Determined By ACSA As Needed			
	Allegro	Com-PAX-ial Blower		
<u>Rescue Davit</u>				
	DBI Sala/Capital Safety	Upper Davit Mast - 8518006		
		Lower Mast Ext. - 8518002		
<u>Self Retracting Lifeline</u>				
	DBI Sala/Capital Safety	3400853		
<u>Fixed Ladder Climbing System</u>				
	DBI Sala/Capital Safety	DBI-Sala Lad-Saf Cable Vertical Safety System		
<u>Asbestos Removal Suit</u>				
	DuPont	Tyvek Suit w/ hood		
<u>Asbestos Removal Respirator</u>				
	To Be Determined By ACSA As Needed			
<u>Asbestos Disposal Bags</u>				
	To Be Determined By ACSA As Needed			
<u>Paint</u>				
Fire Hydrant	Rustoleum	V2115838	Silver Aluminum	
Fire Hydrant	Rustoleum	V216383	Safety Red	
Bollard	Rustoleum	V2143838	Safety Yellow	