

D. List of Approved Products			
Last Updated March 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	
	"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>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		
	CCI-Pipeline Systems Inc.	CSS		
	RACI			
	BWM	SS		
	Spider Manufacturing	Stainless w/ Polymer Skids		
	APS	Stainless Steel (SS)		
<u>Repair Clamps and Dresser Couplings</u>				
	Ford			
	Romac			
	Smith Blair			
	Hymax (by TPS)			
<u>Tapping Saddle (all double strap)</u>				
	Ford	FS 202		
	Mueller	DR2S		
	Romac	202S		
	Smith Blair	317		
<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>Manufacturer</u>	<u>Model/Series</u>			
<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>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>Frame and Cover, Riser Rings</u>			<u>Cover</u>		<u>Frame</u>
	East Jordan Iron Works, Inc.	1040C (Standard)	1040ACLGS with cam locks (Watertight)		1045Z
	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			
	Cretex	Pro-Ring	M1 Adhesive/Sealant		
<u>Cleanout Frame and Cover</u>					
	East Jordan Iron Works, Inc.	1566A			1566Z
	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 SRL for Tri-pod & Davit Arm</u>				
	DBI Sala/Capital Safety	3101575		
	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	