

D. List of Approved Products

1. Water Line Pipe, Fittings and Appurtenances
 - a) Ductile Iron Pipe
 - American Cast Iron Pipe Co.
 - Atlantic States Cast Iron Pipe Co.
 - Griffin Pipe Products Co.
 - U.S. Pipe & Foundry Co.
 - b) Pipe Fittings (Mechanical Joint)
 - Sigma Co.
 - Tyler/Union Pipe
 - c) Joint Restraint
 - Retainer Glands
 - EBAA Iron Co. Mega-Lug Series 1100
 - Romac Industries Grip Ring (not for use on C909)
 - Sigma Co. One-Lok
 - Tyler Corp.
 - Mechanical Joint Restraint
 - Astral Corporation Duc-Lug
 - Push-On Joints
 - EBAA Iron Co. Mega-Lug Series 1700
 - Romac Industries 611 (not for use on C909)
 - Sigma SLDH
 - d) Gate Valves
 - American Flow Control 2500
 (American Darling)
 - AVK 45
 - Clow 2639
 - Kennedy 4571
 - Mueller A-2360-20
 - e) Butterfly Valves
 - DeZurik
 - Kennedy
 - M&H
 - f) Plug Valves
 - DeZurik
 - Kennedy
 - M&H

- g) Valve Boxes
- Bingham & Taylor
 - Capitol Foundry
 - Tyler Pipe 6855
 - East Jordan Iron Works
- h) Fire Hydrants
- American Flow Control (American Darling) Mark 73
 - AVK 27
 - Clow Medallion
 - Kennedy Valve Co. K-81 D
 - Mueller A-421
 - U.S. Pipe M-94
- i) Air Release Valves
- Cla-Val Series 34
 - Crispin Valve PL Series
 - Val-Matic 15A
- j) Blow Off Assembly 2"
- Kupferle Mainguard 78
 - Mueller A-412
- k) Water Metering Equipment

Small Valves	½" – 2"	Stockham Nibco Milwaukee	B-100 T-113 1151, 1161
Copper Compression Fitting (male & female adapters)	¾"x1"	AY McDonald Ford Mueller	110
Corporation Stop	¾" – 2"	AY McDonald Ford Mueller	F600 H15000
Meter Setter	5/8", ¾", 1"	AY McDonald Ford Mueller	Standard 500 Series 8B
Meter Box	5/8"-1" meter 1 ½"-2" meter	Mid-States Mid-States	MS182420-NK MS3630B-NK
Meter Box Frame & Cover		Ford Ford Ford	A-32-T A-32HH-T EXT-3
Meter	5/8"-1" 1 ½" – 10"	Invensys SR II Invensys	with Touch Read "W" Series Turbo with Touch Read
Type K Copper Tubing	¾" – 1"	Mueller Brass Howell Metal	

- l) Backflow Preventer
- Wilkins 975XL
 - Josam 67100
- Others in accordance with the Cross-Connection Control Program
- m) Pressure Reducing Valves (PRVs) and Control Valves
- Cla-Val
- n) Pipe Spacers in Casing
- Cascade CCS
 - RACI
- o) Repair Clamps and Dresser Couplings
- | | |
|-------------------|---------------|
| Repair Clamps | • Smith Blair |
| Dresser Couplings | • Ford |
| | • AY McDonald |
| | • Romac |
- p) Tapping Saddle
- | | |
|---------|----------|
| Ford | • FS 202 |
| Mueller | • DE2S |
| Romac | • 202S |
- q) Underground Pipe Insulation
- | | |
|--------------------|-----------------------|
| Pittsburgh Corning | • FOAMGLAS Insulation |
|--------------------|-----------------------|
- r) Other materials proposed for use must receive prior 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 in the Approved Products List.

3. Manholes and Appurtenances

a) Pre-Cast Reinforced Concrete Manholes

- Hanson Pipe & Products, Inc.
- Americast

b) Frame and Cover

	Cover		
	Standard	Watertight	Frame
• East Jordon Iron Works, Inc.	1040C	1040ACLS with cam locks	1045Z

Or approved equal with matching dimensions

c) Concrete Manhole Connectors (flexible boot)

- A-LOK Products, Inc. Z-LOK Connector
- NPC, Inc. Kor-N-Seal®

d) Grout

- Preco Industries, LTD Preco-Patch
- Master-Flow 713 Grout

e) Butyl Resin Sealers

- Concrete Products Supply Co. CPS-210
- Concrete Sealants, Inc.

f) Other materials proposed for use must receive prior 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 in the Approved Products List.

4. Pump Stations
 - a) Pumps
 - Flygt Submersible
 - Gorman-Rupp (considered on a case-by-case basis)
 -
 - b) Float Switches
 - Flygt ENM No mercury
 - c) Controls & Electrical
 - SquareD
 - Cutler-Hammer
 - d) Variable Frequency Drive's (VFD'S)
 - SquareD
 - Cutler-Hammer
 - Seiman
 - e) Hydro-Tanks
 - Highland Tank
 - Adamson Global Technology Corporation
 -
 - f) Pre-Fab Buildings
 - Clear Flow Co. Stonewall
 - g) Access Hatches
 - Bilco Type K or KD
 - Halliday
 - h) Chlorine Feed Equipment
 - Regal Gas
 - i) Chemical Feed Pumps
 - LMI
 - j) Water Booster Pumps
 - Goulds
 - Grunfos
 - k) Well Pumps
 - Goulds with
 Franklin Motor
 - l) Vertical Turbine Pumps
 - Fairbanks Morse
 - m) SCADA – Pressure, Level and Temperature Transmitters

- Rosemount
- n) I/O Boards and Processors
- As supplied by Westerman Companies or approved equal
- o) Radios and Antenna
- As supplied by Westerman Companies or approved equal
- p) Antenna Pole/Tower
- As supplied by Shenandoah Tower or approved equal
- q) All Sewer Pump Stations Shall be Equipped With the Following and Purchased from Westerman Companies:
- 1 - CT4000 Front End Processor
 - 1 - CA1511 Modem
 - 1 - I/O-4480 Status Card
 - 1 - I/O 4240 Analog Input Card
 - 1 - 10-AH Battery
 - 1 - 150-15 Power Supply
 - 1 - Metrocom Radio
 - 1 - MFB-9157 Antenna
 - 1 - 102A Phase Monitor
 - 7 - AC Input Relays
 - 2 - DC Input Relays
 - 1 - 41003 Surge Protector
 - 1 - 24"x30" NEMA 4 Box
 - 1 - 25' Telephone Pole for Antenna
 - 7/8" Coaxial Cable to Reach from the Control Panel to the Antenna