

**ALBEMARLE COUNTY SERVICE AUTHORITY**  
**WATER APPROVED PRODUCTS LIST**  
**Effective Date: April 12, 2024**

**I. Water Pipe, Fittings & Appurtenances**

- A. Ductile Iron Pipe & C.I. or D.I. Fittings
  1. Griffin Pipe Products, Inc.
  2. U.S. Pipe & Foundry Co.
  3. Atlantic States Cast Iron Pipe Co.
  4. American Cast Iron Pipe Co. (also known as McWane Ductile)
  
- B. Fittings
  1. Tyler: with D.I. T-bolts or Corten steel bolts
  2. Standard International: with Corten steel bolts
  3. Union Foundry Co.
  4. Star Pipe Products
  5. Sigma Corporation
  
- C. Brass Pipe & Fittings
  1. Must conform to ASME B-687, or current revision.
  
- D. Copper Pipe
  1. Must be soft Type "K" copper.
  
- E. Pipe Insulation
  1. Johns-Manville Corp.: Micro-Lok fiberglass with a ML metal jacket (for non-buried pipe)
  2. Nomaco: Therma-Cell (1/2" min. thickness)
  
- F. Marking Tape
  1. Allen Systems: min. 3" wide, stamped "water" (blue)
  2. Harris Industries, Inc.: min. 3" wide, stamped "water" (blue)
  3. Damage Prevention Solutions SignalTape: stamped "water" (blue)
  
- G. Conductive Wire
  1. Must be 14-gauge or larger, insulated copper wire.
  
- H. Fire Hydrants
  1. M&H: Model 129 (Color - Safety Red)
  2. Kennedy: Guardian Model No. K-81A or K-81D (Color - Safety Red)
  3. Clow Medallion (Color - Safety Red)
  4. Mueller: Super Centurion 250 (Color - Mueller Red)
  5. American Darling: B-84-B-5 (Color - Safety Red)
  6. Paint: Devoe DP 58106 (Safety Red BAR-OX Alkyd Industrial Gloss Enamel)
  7. Paint for Caps: Axon Products, Inc. Silver-White 1440 Alert

- I. Hydrant Oil/Grease
  - 1. USABlueBook: Fire Hydrant Oil (USDA H-1 food grade)
  - 2. Citgo Petroleum Corporation: Mystik FG-2 (food grade)
  - 3. USABlueBook: Food Grade Anti-Seize (thread lubricant)
  
- J. Repair Clamps
  - 1. Romac: SS Series repair clamp
  - 2. Hymax: EZ-Max Plus repair clamp
  - 3. Ford: FS2 Series repair clamp (must be wide range)
  
- K. Transition/Repair Couplings
  - 1. Hymax: 2000 Series
  - 2. Romac: 501 Series
  - 3. Romac: XR 501 Series
  - 4. MJ Repair Sleeves by Tyler, Standard International, Union Foundry, and Star Pipe Products.
  
- L. Restrained Joints
  - 1. EBAA Iron, Inc.: Megalug Series 1100
  - 2. Sigma Corporation: Series D-SLDE
  - 3. Star Pipe Products: Series 3000P
  - 4. Romac: RomaGrip
  - 5. Ford: Series 1400
  
- M. Casing Spacers
  - 1. Advance Product Systems, Inc.: Model SS1, S1
  - 2. Cascade: Model #CCS-905
  - 3. BWM Company: Model BWM-SS (8" and 12" width)
  
- N. Casing End Seal:
  - 1. Advance Product Systems, Inc.: Model AC
  
- O. Polyethylene Encasement
  - 1. V-Bio Enhanced Polyethylene Encasement

## **II. Valves & Appurtenances**

- A. Gate Valves
  - 1. U.S. Pipe: Metroseal 250 resilient seated gate valve (4" and larger)
  - 2. American Flow Control: Series 2500 resilient wedge valve (2" and larger)
  - 3. Kennedy: Ken-Seal II resilient wedge gate valve (4" and larger)
  - 4. Mueller: Series 2360 resilient wedge gate valve
  - 5. American AVK: Series 45 resilient wedge gate valve
  
- B. Butterfly Valves
  - 1. Groundhog: buried service (4"-20")

2. M&H: Model #4500 (4"-24")
  3. Val-Matic: 4"-24" (Stainless Steel Disc)
- C. Tapping Valves
1. American Flow Control: Series 2500
  2. Kennedy: Ken-Seal II resilient wedge gate valve (4" and larger)
  3. Mueller: Series T-2360 resilient wedge gate valve
  4. Clow
- D. Tapping Sleeves
1. Mueller: Catalog No. H-615
  2. American Flow Control: mechanical joint tapping sleeve
  3. Clow
  4. Romac: Model SST, or SST III (stainless steel)
  5. Ford: Model FAST (stainless steel)
  6. PowerSeal Pipeline Products Corp.: Powersleeve Model 3490, or PowerMJ Model 3490MJ
  7. Smith-Blair, Inc.: Model 663 (all stainless steel; mechanical joint outlet option is also approved).
  8. Cascade: Model CST-EX
- E. Air Release Valves
1. APCO: Model No. 143C(1"), 145C(2")-combination air release valve
  2. CLA-VAL: Model No. 361-CAV(1"), 362-CAV(2")-combination air release valve
  3. Crispin: Model No. UL10(1"), Model No. UL20(2")-universal air release valve
  4. ARI Valve: Model D-040 (1"; 2") combination air release valve
  5. Val-Matic: Models 15A.3 and 22.3(1"), 102S(2")-combination air release valve
- F. Valve Boxes
1. Bingham & Taylor: I5B18W or I5B20WCL35 with GRE5LWRD lid
  2. Capitol Foundry: cast iron screw type Part No. 562S\*ST; standard cover with 1-1/2" lip
  3. East Jordan Iron Works: 8550 Series, Two Piece Screw Type with 6800 Valve Box Drop Lids.
- G. Valve Box Risers
1. East Jordan Iron Works: 8500, lock-in set screw required.
  2. Bingham and Taylor: 6016-B, lock-in set screw required.

### **III. Service Laterals (No-Lead Brass Fittings per Senate Bill 3874, amending the SDWA)**

- A. Corporation Stops
1. Mueller: Catalog No. B-25000

2. Ford: Model No. FB600-4
  3. McDonald: Model 4701B
- B. Service Saddles
1. Romac: Style 202NS or 202BS with stainless steel straps
  2. Ford: Coated FS202 or 202BS with wide stainless steel band (4 bolts)
  3. Smith-Blair, Inc. Coated Model 317 or Model 325 with stainless steel straps
  4. Hymax DR or BR 2S Series with stainless steel straps
- C. Quarter-Bend Couplings
1. Mueller: Catalog No. H-15069 (3/4", 1")
  2. Mueller: Catalog No. H-15068 (1-1/2", 2")
  3. Ford: Model No. L02-33 (3/4")
  4. Ford: Model No. L02-44 (1")
  5. Ford: Model No. L02-66 (1-1/2")
  6. Ford: Model No. L02-77 (2")
  7. McDonald 4776S
- D. Meter Coppersettters
1. Ford: Model No. VBB 72 (5/8"x3/4")
  2. Ford: Model No. VBB 74 (1")
  3. McDonald: Model No. 20-209 WWDD33, 20-412 WWDD44
  4. Ford: Model No. VBB77-12B-11-77
  5. Mueller: Model No. B-2423 (1-1/2", 2"). Laying length for meter varies with specific meter size – coordinate with ACSA prior to installation.
  6. McDonald: Series 20, horizontal style (1", 5/8"x3/4"), low bypass (1-1/2" & 2")
- E. Compression/Flared Fittings
1. Ford: Grip Joint
  2. Mueller: Model 110
  3. McDonald: "T" Series
- F. Miscellaneous Fittings
1. Mueller: brass cap for plugging flared copper, Catalog No. H-15540
- G. Meter Boxes (5/8" and 1")
1. Carson: 2200 Series (plastic)
  2. Oldcastle FL30 (for paved areas): Lid – Water Logo, 2-inch recess probe; Box – FL30T 18" meter box (02006045); Extension – 02001090
- H. Meter Vaults (1-1/2" and larger)
1. OldCastle FRP 3048-36 Box with 2-Piece Lid
  2. The Clear Flow Co.: Precast concrete meter vaults; Type 3652 1-1/2" and 2"); Type TJ-2000 (3" and 4") (available with H-20 load rating)
  3. Oldcastle FRP 3048 Flared with Half Lid Cover (for 1.5" and 2" meters only)
  4. NAPPCCO: Flange adaptors for ductile iron and steel pipe 2"-48" (for use in meter vaults only)

**ALBEMARLE COUNTY SERVICE AUTHORITY**  
**SEWER APPROVED PRODUCTS LIST**  
**Effective Date: April 12, 2024**

**I. Sanitary Sewer Pipe & Fittings**

- A. Ductile Iron Pipe & Fittings
  - 1. Griffin Pipe Products Co.
  - 2. U.S. Pipe & Foundry Co.
  - 3. Atlantic States Cast Iron Pipe Co.
  - 4. American Cast Iron Pipe Co.
  - 5. Sigma Corporation
  
- B. Plug Valves
  - 1. Mueller
  - 2. Kennedy
  - 3. Clow
  - 4. DeZurik
  - 5. Val-Matic
  
- C. PVC (Polyvinyl Chloride) Non-Pressure Pipe and Fittings
  - 1. Johns-Manville Corp.
  - 2. CertainTeed
  - 3. P. W. Eagle (formerly Extrusion Technologies, Inc.)
  - 4. Charlotte Pipe & Foundry Co.
  - 5. National Pipe Co.
  - 6. North American Pipe Corporation
  - 7. Diamond Plastics Corporation
  - 8. Multi Fittings
  - 9. Sanderson Pipe
  
- D. PVC (Polyvinyl Chloride) Non-Pressure Fittings
  - 1. Harco
  - 2. GPK Products, Inc.
  
- E. Sewer Lateral Saddles
  - 1. Romac (branch material type specific, universal not allowed)
  
- F. Flexible Couplings
  - 1. Fernco: series number determined by types of pipe to be connected, must be Strong Back RC Series
  - 2. DFW flexible couplings

- G. Marking Tape
  - 1. Allen Systems: min. 3" wide, stamped "sewer" (green)
  - 2. Harris Industries, Inc.: min. 3" wide, stamped "sewer" (green)
  - 3. Damage Prevention Solutions SignalTape: stamped "sewer" (green)
  
- H. Air & Vacuum Valves (force mains only)
  - 1. APCO: Model No. 401/402 (combination sewage air valve with backwash kit)
  - 2. CLA-VAL: Model No. 36-WW21BW (combination air valve with backwash kit)
  - 3. Crispin: Model No. US10SB or USL20B (universal sewer air release valve with backflush)
  - 4. Val-Matic: Models 301A-308 (combination air valve with backwash kit)
  
- I. Casing Spacers
  - 1. Advance Product Systems, Inc.: Model SS1, S1
  - 2. Cascade: Model #CCS-905
  - 3. BWM Company: Model BWM-SS (8" and 12" width)
  
- J. Casing End Seal:
  - 1. Advance Product Systems, Inc.: Model AC

## II. **Manholes & Appurtenances**

- A. Standard Frames & Covers
  - 1. Capital Foundry: Model No. 1383
  - 2. East Jordan Iron Works: Model No. 00104316
  
- B. Watertight Frames & Covers
  - 1. Capital Foundry: Model No. 1678 CL-WT
  - 2. East Jordan Iron Works: Model No. 00103971
  
- C. Metal Manhole Riser Rings
  - 1. East Jordan Iron Works
  - 2. Andrews Metal Products, Inc.: Type 2
  
- D. Bituminous Seal
  - 1. Overall Paint, Inc.: #301 Pipe Joint Filler
  - 2. Ram-Neck
  
- E. Pre-Cast Concrete Manholes
  - 1. Americast
  - 2. Concrete Pipe Products
  - 3. Winchester Building Supply Co., Inc.
  - 4. Hanson
  
- F. Manhole Steps

1. Delta Pipe Products: Wedg-Lok Type
2. M.A. Industries: Model No. PS1-PF

G. Flexible Pipe Connection Boots

1. Press Seal Gasket Corp.: PS-10, Press Wedge II, or PSX (coring)
2. NPC Inc.: Kor-N-Seal
3. IPS: Flexible manhole connectors

H. Grouting

1. Concrete Products Supply Co.: Blendcrete patching compound

I. Waterproofing Sealers

1. Standard Dry Wall Products: Thoroseal and Waterplug
2. Concrete Products Supply Co.: Blendplug