

ALBEMARLE COUNTY SERVICE AUTHORITY
WATER APPROVED PRODUCTS LIST
Effective Date: January 11, 2018

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.

- 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. Galvanized Steel Pipe & Fittings
 1. Must conform to ASTM A 102-77, or current revision, for Schedule 40 or 80.

- 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. Excavation Alert Systems 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: Fig. No. 4906 (genuine Buffalo style) with standard cover; extensions - Fig. No. 4905-X
 2. Capitol Foundry: cast iron screw type Part No. 461S, 562S, 564S, 664S; 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. Acheson: valve box adjusting rings, AVAR-10 through AVAR-40

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 202S Painted Saddle with stainless steel straps
 2. Ford: Style FS202 with wide stainless steel band (4 bolts)
 3. Smith-Blair, Inc. Model 317 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. VV 72 (5/8"x3/4")
 2. Ford: Model No. VV 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. 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)
 2. NAPPSCO: 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: December 18, 2017

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. Sealtite
 - 2. Romac

- F. Flexible Couplings
 - 1. Fernco: series number determined by types of pipe to be connected, must be Stong 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. Excavation Alert Systems 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
 - 5. Rockingham Precast

- 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