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.
   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)
      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

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)
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
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 Coppersetters
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
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. NAPPCO: Flange adaptors for ductile iron and steel pipe 2"-48" (for use in meter vaults only)
I. Sanitary Sewer Pipe & Fittings
   
   A. Ductile Iron Pipe & Fittings
      1. Griffin Pipe Products Co.
      2. U.S. Pipe & Foundry 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.)
      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 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. 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