

WSSC WATER PIPELINE CONSTRUCTION DIVISION MATERIALS CHECKLIST

Contract No.:

Job Name:

Contractor:

CM:

WATER MATERIALS

BOXES

Spec 02510-31 & 33

Approved Manufacturers:

Curb-Pg.02510-33

1-Geneco 1101-2-39

2-Bingham & Taylor Corporation: ROD-39-WSSC-9010.

Valve-Pg. 02510-31

1-Bingham and Taylor Corporation

2-Bibby Ste Croix Foundries, Inc.

3-Capitol Foundry of Virginia, Inc.

4-Sigma Corporation

Manufacturer	Quantity

BRASS NIPPLES

Spec 02510-17

Approved Manufacturers:

(Standard seamless threaded, reamed, and chamfered, of size required):

1-A.Y. McDonald Manufacturing Company.

2-Lee Brass Co.

3-Merit Brass Company

Fitting Type	Manufacturer	Size	Quantity

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COPPER PIPE & FITTINGS

Spec 02510-17

Approved Manufacturers:

(Pipe: Seamless, type K, and following ASTM B88):

- 1-Cambridge-Lee Industries
- 2-Cerro Flow Products
- 3-Howell Metal
- 4-Mueller Industries
- 5-Wieland Copper Products

(Fittings: Copper following high pressure requirements of AWWA C800):

- 1-A.Y. McDonald Manufacturing Company.
- 2-Cambridge Brass.
- 3-Ford Meter Box Company.
- 4-Mueller Company

Manufacturer	Size	Quantity

DUCTILE IRON PIPE - ZINC COATED

Spec 02510-5

Approved Manufacturers:

(Mechanical or Push on Joints: AWWA C150 and C151)

- 1-American Cast Iron Pipe Co.
- 2-United States Pipe and Foundry Co. (U.S. Pipe)
- 3-McWane Cast Iron Pipe Company

Manufacturer	Size	Class	Quantity

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FITTINGS

Spec 02510-11

Approved Manufacturers:

(For use on ductile iron bell, mechanical, or push on joint, unless shown otherwise on Drawings or Standard Details. Size, dimensions, and tolerances: AWWA C110 or AWWA C153 and AWWA C111. Mechanical joint solid sleeves: AWWA C110 or AWWA C153 and AWWA C111).

- 1-American Cast Iron Pipe Co.
- 2-Clow Water Systems Company, (Division of McWane Incorporated).
- 3-Tyler Union (Division of McWane, Incorporated)
- 4-United States Pipe and Foundry Company
- 5-SIGMA Corporation.
- 6-Star Pipe Products.
- 7-North American Cast Iron Products, Inc. (NACIP, Inc)
- 8-SIP Industries (excluding products manufactured in the Mexico facility).

Fitting Type	Manufacturer	Size	Quantity

FIRE HYDRANTS

Spec 02510-33

Approved Manufacturers:

(Follow AWWA C502 for requirements not included on WSSC approved manufacturer's drawings):

- 1-Kennedy Valve (Division of McWane, Incorporated), Guardian K 81D, following Kennedy Drawing No. 80783 20781, Rev. 18, dated 3/08.
- 2-Mueller Company, Super Centurion 250, following Mueller Drawing No. FH 237, Rev. F, dated 1/14/11.
- 3-United States Pipe Valve and Hydrant Division (Division of Mueller Company), Sentinel 250, following USPV&HD Drawing No. FH 288, Rev. D, dated 1/14/11.
- 4-Clow Valve (Division of McWane, Inc.), Medallion, following Clow Drawing No. D-22742, Rev. B, dated 12/10.
- 5-American Flow Control (Division of American Cast Iron Pipe Company). Model B-62-B-5 following American Flow Control Drawing No. 94-21085, Rev C dated 2/20/15

Manufacturer	Size	Quantity

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METER HOUSINGS

Spec 02510-35

Approved Manufacturers:

Polyethylene Meter Boxes and Extensions

1-Oldcastle Precast, Inc.

- a) 24" x 20" Top, Model No. 202001
- b) 30" Dia. x 30" H, Model No. 302003

2-DFW Plastics, Inc.

- a) 24" x 20" Top, Model No. DFW242030TP
- b) 30" Dia. x 30" H, Model No. DFW3030

3-Bingham & Taylor

- a) 20" x 24" x 30", Model No. MMP202430
- b) 30" x 30", Model No. PMP3030

3-Or equal.

Manufacturer	Size	Quantity

RESTRAINER GLANDS

Spec 02510-20

Approved Manufacturers:

Wedge Action

- 1-EBAA Iron, Inc., MEGALUG Series 11XX-DEC (with Mega-bond) MEGALUG Series 1100SD (with Mega-bond), for use with existing Mechanical Joints.
- 2-Ford Meter Box Company, Inc., UNI-FLANGE Series UFR1400-DA-XX- (I or U) (with E-Coat)
- 3-Romac Industries, Inc., ROMAGRIP Series XX-RAP (with E-Coat)
- 4-SIGMA Corporation, ONE LOK Series SLDE-XPXX (with Corrsafe Coating System)
- 5-Star Pipe Products, STARGRIP, Series 3000-XX with accessories, (with Starbond Coating System).
- 6-Tyler Union, Tuf Grip Series TLD-XX-FBE with accessories (with E-coat).
- 7-Smith-Blair, Inc, 111 Cam-Lock with accessories (fusion bonded Flex-Coat)
- 8-SIP Industries, EZ Grip Series joint restraint with fusion bonded epoxy coating and blue fluoropolymer coated accessories.

Manufacturer	Size	Quantity

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WATER SERVICE SADDLES

Spec 02510-19

Saddles for Cast Iron or DIP

Approved Manufacturers and Models for 3 inch:

- 1-Ford Meter Box Co., Inc., Style No. FC202.
- 2-JCM Industries, Inc., Model No. 406-0413.
- 3-Mueller Company, Catalog No. DR 2S0356.
- 4-Smith-Blair, Inc., Model Nos. 317-000-41309-000, 317-000-41313-000, and 317-000-41315-000, all Double Strap.
- 5-PowerSeal Pipeline products corporation, Model 3417DI.

Approved Manufacturers and Models for 4 inch and above:

- 1-Ford Meter Box Co., Inc., Style No. FC202.
- 2-Mueller Company, Catalog No. DR2S.
- 3-A.Y. McDonald Manufacturing Company Catalog No. 4855A.
- 4-Smith-Blair, Inc., Model No. 317.
- 5-JCM Industries, Inc., Model No. 406.
- 6-PowerSeal Pipeline products corporation, Model 3417DI.

Saddles for PVC AWWA C900 and C905 Pipe

Use tapping saddle manufactured specifically for AWWA C900 and C905 PVC pipe with stainless steel wide band straps, nuts and washers.

Approved Manufacturers and Models:

- 1-Ford Meter Box Co., Inc. FC202.
- 2-Smith Blair, Inc., 317.
- 3-Mueller Company, Series DR2S.
- 4-A.Y. McDonald Manufacturing Company, Model 4855A.
- 5-PowerSeal Pipeline products corporation, Model 3417DI.

Manufacturer	Model	Size	Quantity

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SLEEVES, TAPPING, MJ

Spec 02510-13

Approved Manufacturers and Models:

- 1-American Flow Control, Series 2800C and 1004
- 2-Clow Valve Company (A Division of McWane Inc.), Figure FS5205.
- 3-M&H Valve Company (A Division of McWane Inc.), Style 1574 and 1674.
- 4-Mueller Company, Style H-615-24.
- 5-Tyler Pipe/Utilities Division
- 6-United States Pipe and Foundry Co., Ductile Iron T-9.
- 7-JCM Industries, Inc., Nash, Texas, Number JCM 412 Fabricated Steel Tapping Sleeves with 150 LB ANSI outlet flange.

Manufacturer	Model	Size	Quantity

STOPS, CORPORATION

Spec 02510-32

Approved Manufacturers and Models:

- 1-A.Y. McDonald Manufacturing Company, 4701B series (flare style) and 4701BQ series (compression style).
- 2-Ford Meter Box Co., Inc. FB600 series (flare style) and FB1000-XQ Series (compression style)
- 3-Mueller Co., B-25000 series (flare style) and B25008 series (compression style).

Manufacturer	Model	Size	Quantity

STOPS, CURB

Spec 02510-31

Approved Manufacturers and Models:

- 1-A.Y. McDonald Manufacturing Company, 6100 series (flare style) and 6100Q series (compression style).
- 2-Ford Meter Box Co., Inc. B22 (flare style) and B44-Q (compression style)
- 3-Mueller Co., B-25204 series (flare style) and Model No. B25209 series (compression style)
- 4-Cambridge Brass, 202-C (flare style) and 202-H (compression style) series.

Manufacturer	Model	Size	Quantity

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Contractor:

CM:

TAPE, DETECTABLE (Earthwork for Pipeline Construction)

Spec 02315-5

Approved Manufacturers:

- 1-Pro-Line Safety Products (A Division of Pro-Pak Ind., Inc.); Product Nos. 103141251WSSC (blue), 103143191WSSC (green), and 103128013WSSC (yellow)
- 2-Reef Industries, Terra Tape Sentry Line Detectable
- 3-Empire Level Manufacturing Corporation, Magnatec

Manufacturer

Quantity

Manufacturer	Quantity

TAPE, RESTRAINED

Spec 023515-6

Approved Manufacturers:

- 1-Blackburn Manufacturing Co., Inc., Non-Detectable Underground Utility Warning Tape
- 2-Empire Level Utility Products Division, Shieldtec Underground Warning Tape
- 3-In Stock Now! Inc., Non-Detectable Warning Tape, Product No. Nd6rdci
- 4-Mutual Industries, Non-Detectable Underground Marking Tape, Product No. 17783
- 5-Pro-Line Safety Products (A division of Pro-Pak Ind., Inc.), Standard 4 mil Non-Detectable, Product No. 104346283WSSC
- 6-Reef Industries, Inc. Terratape Standard Non-Detectable
- 7-Safety Sign Company, Warnoline Underground Utility Warning Tape
- 8-Or equal.

Manufacturer:

Manufacturer:	

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Contractor:

CM:

VALVES

Spec 02510-23 & 24

Approved Manufacturers:

Gate Valves - sizes 3 inch through 14 inch: (Designed, built and tested following AWWA C509 or AWWA C515 except as modified herein)

Direct Buried Valves-02510-23:

- 1-American Flow Control Series 2500 (with factory provided round yellow "NDZ" tag under operating nut).
- 2-Clow Valve Co. Model 2638...74XX, Figure No. F-6100 or Model 2639...74XX, Figure 6100.
- 3-Kennedy Valve Co. Figure No. 8571YSS or 7571YSS (YST for Type 316 SS Bolting with protective coating to prevent galling)
- 4-M & H Valve Co. Style XX4067014002 (W/SS BOLTING with protective coating to prevent galling) or XX7571011002 (W/SS BOLTING with protective coating to prevent galling).
- 5-Mueller Company Catalog No. A2361LN-23.
- 6-U.S. Pipe, Valve and Hydrant Division Catalog No. AUSP1LN-23.

Non-Direct Buried Valves-02510-23:

- 1-American Flow Control Series 2500 (with factory provided round yellow "NDZ" tag under operating nut).
- 2-Clow Valve Co. Model 2638*...74XX, Figure No. F-6102* or Model 2639*...74XX, Figure No. F-6102
- 3-Kennedy Valve Co. Figure No. 8561ANYSS* or 7561ANYSS* (YST for Type 316 SS Bolting with protective coating to prevent galling)
- 4-M & H Valve Co. Style XX4067024002* (W/SS BOLTING with protective coating to prevent galling) or XX7561021002* (W/SS BOLTING with protective coating to prevent galling).
- 5-Mueller Company Catalog No. A2361LN-06 (with factory provided rectangular yellow "WSSC" tag under operating nut).
- 6-U.S. Pipe, Valve and Hydrant Division Catalog No. AUSP1LN-06 (with factory provided rectangular yellow "WSSC" tag under operating nut).

Tapping Valves:

Direct Buried-02510-24:

- 1-American Flow Control Series 2500 (with factory provided round yellow "NDZ" tag under operating nut)
- 2-Clow Valve Co. Model 2638...74XX, Figure No. F-6114 or Model 2639...74XX, Figure No. F-6114
- 3-Kennedy Valve Co. Figure No. 8590YSS or Figure 7590YSS (YST for type 316 SS BOLTING with protective coating to prevent galling)
- 4-M & H Valve Co. Style XX4751014026 (W/SS BOLTING with protective coating to prevent galling) or XX795001002 (W/SS BOLTING with protective coating to prevent galling)
- 5-Mueller Company Catalog No. T2361LN-19
- 6-U.S. Pipe, Valve and Hydrant Division Catalog No. TUSP1LN-19)

Manufacturer	Size	Quantity

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VAULTS, PRECAST CONCRETE

Spec 03400-7

Approved Manufacturers:

- 1-A. C. Miller, Spring City, PA plant only.
- 2-Smith Midland Corp., Midland, VA plant only.
- 3-Oldcastle Precast Inc., Fredericksburg, VA and Edgewood, MD plants only
- 4-Gillespie Precast, LLC., Chestertown, MD

Manufacturer	Size	Quantity

V-Bio Polyethylene Encasement: AWWA C105 – Pg. 02510-38

Spec 02510-38

- 1. V-Bio polywrap linear low-density polyethylene film (minimum 8 mil).
- 2. V-Bio polywrap flat tube: Meet appropriate minimum width for size of pipe installed following AWWA C105, Method A, secured with polyethylene compatible adhesive tape
- 3. Flat sheet V-Bio polywrap: Used for wrapping odd shaped appurtenances following AWWA C105, secured with polyethylene compatible adhesive tape.

Approved Suppliers:

- a. American Cast Iron Pipe Company.
- b. United States Pipe and Foundry Co. (U.S. Pipe)
- c. McWane Cast Iron Pipe Company

Manufacturer

END OF MATERIALS ON THE WATER SECTION

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SEWER MATERIALS

BENTONITE

Spec 02315-6

Approved Manufacturers:

- 1-American Colloid
- 2- Bentonite Performance Minerals LLC
- 3-Wyo-Ben, Inc.

Manufacturer	Quantity

CLEANOUT BOXES

Spec 02530-8

Approved Manufacturers:

4-inch Cleanout

- 1-Bingham & Taylor Corporation; Approved Foundry: Culpeper Virginia.
 - a.) Frame and Cover SN 4881-9006-7 Model No. I5TL54SSWSSC.
- 2-Capital Foundry Inc.; Approved Foundry: UMA Iron and Steel, Calcutta, India
- 3-Chesapeake Foundries, Inc.; Approved Foundry: Carnation Industries, Ltd. Calcutta, India. (Imported by Creswell Trading Co.)
 - a.) Cover: Part No. CLTS-1.
 - b.) Frame: Part No. CLF-2, per approved drawings.
- 4-Or equal.

6-inch Cleanout:

- 1-Bingham & Taylor Corporation; Approved Foundry: UMA Iron and Steel Calcutta, India
 - a.) Cover: Model No. INDMLAMPLID
 - b.) Frame: Model No. INDMLAMPBOX
- 2-Capital Foundry, Inc.; Approved Foundry: UMA Iron and Steel, Calcutta, India.
- 3-Chesapeake Foundries, Inc.; Approved Foundry: Cresmac Foundry, Kolkata, India.
- 4-East Jordan Iron Works, Inc., Catalog No. 1565.
- 5-Or equal.

Manufacturer	Size	Quantity

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PIPE & FITTINGS

Spec 02530-3, 02530-5

Approved Manufacturers:

Concrete 02530-5:

- 1-Concrete Pipe & Precast
- 2-Rinker Materials, Hydro Conduit Division

PVC - ASTM D3034, 4"-15" 02530-3:

- 1-GPK Products, Inc
- 2-JM™ Eagle.
- 3-Multifittings, Ltd./IPEX, Inc.
- 4-The Harrington Corporation (HARCO)
- 5-Vassallo Industries.
- 6-Colonial Engineering, Inc.
- 7-Plastic Trends, Inc.
- 8-Tigre Ads (Sewer) PVC Fittings

Manufacturer	Size	Quantity

FLEXIBLE PVC COUPLINGS/ADAPTORS

Spec 02530-6

Approved Manufacturers:

- 1-FERNCO Joint Sealer Co. with shear ring.
- 2-DFW by NDS non-shear.
- 3-Mission Rubber Company with shear ring.
- 4-Indiana Seal with shear ring.
- 5-Or equal.

Manufacturer	Size	Quantity

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FLEXIBLE GASKETS, PIPE TO MANHOLE CONNECTORS

Spec 03400-4

Approved Manufacturers:

- 1-A-LOK Products Inc., A-LOK or A-LOK X-CEL.
- 2-Chardon Rubber Company, Lock Joint Flexible Manhole Sleeve.
- 3-Hail Mary Rubber Co., Star Seal.
- 4-Press Seal Gasket Corporation, Press Boot, PSX Series, Econoseal, CASTA-SEAL® 12-08 Cast in Boot or equal.
- 5-Trelleborg Pipe Seals Milford, Inc, KOR-N-SEAL I Toggle Korband with Series 106 or 406 Rubber boot.
- 6-International Precast Supply, Cobra Style, Toggle Style, and Adjustment Style.

Manufacturer	Size	Quantity

FRAMES & COVERS

Spec 02530-9

Approved Manufacturers:

Manhole

- 1-East Jordan Iron Works P.O. Box 439 301 Spring Street East Jordan, MI).
- 2-Neenah Foundry (Neenah frame and platen lid bolted, watertight manhole, Drawing No. NF-0785 015C P.O. Box 729 Neenah, WI (WSSC P&M 10.7)).
- 3-Capital Foundry (22-inch, 30 inch, and 36 inches; Approved Plant: NIF Iron and Steel, Calcutta, India).
- 4-Chesapeake Foundry Inc. (22 inch only; Approved Plant: Cresmac Foundry, Kolkata, India).
- 5-US Foundry and Manufacturing Corp. 8351 NW 93rd Street Medley, FL.

Manufacturer	Size	Quantity

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GRADE RINGS

Spec 03400-6

Approved Manufacturers:

- 1) Atlantic Concrete Products Company.
- 2) Concrete Pipe and Precast
- 3) Contractors Precast Corporation.
- 4) Gillespie Precast, LLC.
- 5) A.C. Miller.
- 6) Smith Midland Corporation.
- 7) Oldcastle Precast

Manufacturer	Size	Quantity

MANHOLES

Spec 03400-6

Approved Manufacturers:

- 1) Concrete Pipe and Precast, Martinsburg, WV.
- 2) Atlantic Concrete Products Company, Cockeysville, MD plant only.
- 3) Gillespie Precast, LLC, Chestertown, MD.
- 4) Oldcastle Precast, Fredericksburg, VA and Edgewood, MD plants only.
- 5) Contractors Precast Corporation, Davidsonville, MD plant only.

Manufacturer	Size	Quantity

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PIPE

Spec 02530-4, 02530-6

PVC Sanitary Sewer, Gravity

- a) PVC pipe and fittings 4-inch and 6-inch diameter: ASTM D3034, wall thickness classification SDR 35 or SDR 26.
- b) PVC pipe and fittings 8-inch through 15-inch diameter: ASTM D3034, wall thickness classification SDR 35.
- c) PVC pipe and fittings 18-inch through 27-inch diameter: ASTM F679, wall thickness T-1.
- d) Closed profile PVC pipe 21-inch through 48-inch diameter: ASTM F1803.

Approved PVC Pipe Manufacturers:

- a) Charlotte Pipe and Foundry Co., 4 inch through 15 inch.
- b) CONTECH Engineered Solutions LLC, open profile, 18 inch through 36 inch.
- c) Diamond Plastics Corporation, 4 inch through 27 inch; closed profile 30 inch through 48 inch; open profile 18 inch through 48 inch.
- d) IPEX, Inc., 4 inch through 27 inch, Ultra Rib open pipe, 18 inch through 24 inch.
- e) Prime Conduit Inc., Vylon Pipe, closed profile, 21 inch through 54 inch.
- f) National Pipe and Plastics, Inc., 4 inch through 24 inch.
- g) North American Pipe Corporation, 4 inch through 24 inch.
- h) JM™ Eagle, 4 inch through 15 inch, open profile, 18 inch through 30 inch.

Approved DIP Pipe Manufacturers:

- (1) American Cast Iron Pipe Co.
- (2) United States Pipe and Foundry Co.
- (3) Tyler Pipe Industries, Inc.
- (4) SIGMA Corporation
- (5) Star Pipe Products

Approved RCP Pipe Manufacturers:

- * Unless shown otherwise on Drawings, do not use RCP in 30 inch diameter and smaller sizes.
- a) Concrete Pipe and Precast.
 - b) Rinker Materials, Hydro Conduit Division

Manufacturer	Size	Quantity

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