

**DIVISION OF WATER
APPROVED MATERIALS LIST (07-27-2026 VERSION)
FOR USE ON NEW CONSTRUCTION OF POTABLE WATER FACILITIES**

This form is part of the Approved Materials List that follows, and is intended for use by developers or contractors constructing potable water facilities within the City of Columbus and surrounding contracted Water Service Areas. An authorized representative of the developer or contractor shall check the box(es) on each item for materials to be used in conjunction with the project, shall fill out this form in its entirety, and shall sign the certification statement below. Please contact the Division of Water if part numbers or models indicated within the Approved Materials List are no longer available. Division of Water personnel will review this form and the Approved Materials List and will separately attach review comments.

Project Name _____

CONTRACTOR INFORMATION

Name of Contractor (Company)

Contact Person

Mailing Address

City, State, Zip

Telephone

Fax

E-Mail Address

SUPPLIER INFORMATION

Name of Supplier (Company)

Contact Person

Mailing Address

City, State, Zip

Telephone

Fax

E-Mail Address

I hereby certify that the specific products indicated within the attached Approved Materials List represent a true list of materials to be used within the project indicated above, and I acknowledge understanding of the requirements that follow. Any and all specific requirements detailed within the current version of the Columbus Construction and Material Specifications (CCMS) shall apply to all materials proposed for use on this project. When the notation "Full Submittal Required" or similar language appears within the Approved Materials List, or when required materials do not appear within this Approved Materials List, complete shop drawing submittals are required in accordance with the procedures detailed in the CCMS. All materials supplied to the job site shall conform in all ways to the requirements of the CCMS.

Signed By Contractor Representative

Printed Name of Contractor Representative

Date

Spec Section	Item	Description	Manufacturer	Size	Product No.	Selection	Comments
801	Pipe, Copper	For water mains 2-inch and smaller. All tubing shall be type K soft temper conforming to ASTM B 88 and in accordance with City of Columbus Construction and Materials Specifications. Material dimensions shall be copper tubing size (CTS).					Refer to approved copper tubing materials listed under Item 805.
801	Pipe, Ductile Iron	For water mains 3-inch and larger, manufactured per AWWA C151, and in accordance with City of Columbus Construction and Materials Specifications.	American Ductile Iron Pipe			☐	Fastite Push-on, Mech. Joint & Flex-Ring restrained joint
			McWane Ductile			☐	Tyton Push-on, Mech. Joint & TR Flex restrained joint
			U.S. Pipe			☐	Tyton Push-on, Mech. Joint & TR Flex or HDSS Restrained Joint Pipe
801	Pipe, Concrete	For water mains 20-inch and larger, manufactured per AWWA C301, in accordance with City of Columbus Construction and Materials Specifications. Full Submittal Required.	Thompson Pipe Group			☐	Snap-Ring type joints to be used for all restrained joints
801	Pipe, Steel	For water mains 20-inch and larger, manufactured per AWWA M11, in accordance with City of Columbus Construction and Materials Specifications. Full Submittal Required.	American Spiral-Weld Steel Pipe			☐	
			Northwest Pipe Co.			☐	
			Thompson Pipe Group			☐	
801	Pipe, PVC	For water mains 6-inch & 8-inch mains only, manufactured per AWWA C900, DR 14, in accordance with City of Columbus Construction and Materials Specifications. Refer to CCMS Item 801 for restrictions on the use of PVC pipe.	Diamond Plastics Corp.			☐	
			JM Eagle			☐	
			National Pipe & Plastics			☐	
			Westlake			☐	
			IPEX			☐	
801	Ductile Iron Fitting (Tee)	Mechanical Joint (M.J) or Push-on Tees, for Water mains 3-inch and Larger, Manufactured per AWWA C110 / C111 / C153 and in accordance with City of Columbus Construction and Materials Specifications.	American Ductile Iron (ACIPCO)			☐	Flex-Ring Fittings for restrained joint pipe
			McWane Ductile			☐	TR Flex Fittings for restrained joint pipe
			Sigma			☐	
			Star Pipe Products			☐	
			Tyler Union			☐	
			United-NAPAC, Inc.			☐	
			NACIP			☐	
			SIP Industries			☐	
			US Pipe			☐	TR Flex Fittings for restrained joint pipe
			US Pipe			☐	Metafit
801	Ductile Iron Fitting (Swivel /Anchoring Tee)	Mechanical joint or push-on swivel & anchoring tees, for water mains 3-inch and larger, manufactured per AWWA C110 / C111 / C153 and in accordance with City of Columbus Construction and Materials Specifications.	American Ductile Iron (ACIPCO)			☐	
			McWane Ductile			☐	
			Sigma			☐	
			Star Pipe Products			☐	
			Tyler Union			☐	
			United-NAPAC, Inc.			☐	
			NACIP			☐	
			SIP Industries			☐	
801	Ductile Iron Fitting (Cross)	Mechanical joint or push-on crosses, for water mains 3-inch and larger, manufactured per AWWA C110 / C111 / C153 and in accordance with City of Columbus Construction and Materials Specifications.	American Ductile Iron (ACIPCO)			☐	Flex-Ring Fittings for restrained joint pipe
			McWane Ductile			☐	TR Flex Fittings for restrained joint pipe
			Sigma			☐	
			Star Pipe Products			☐	
			Tyler Union			☐	
			United-NAPAC, Inc.			☐	
			NACIP			☐	
			SIP Industries			☐	
			US Pipe			☐	TR Flex Fittings for restrained joint pipe
			US Pipe			☐	Metafit
801	Ductile Iron Fitting (11 1/4 Degree Bend)	Mechanical joint or push-on 11 1/4 degree bends, for water mains 3-inch and larger, manufactured per AWWA C110 / C111 / C153 and in accordance with City of Columbus Construction and Materials Specifications.	American Ductile Iron (ACIPCO)			☐	Flex-Ring Fittings for restrained joint pipe
			McWane Ductile			☐	TR Flex Fittings for restrained joint pipe
			Sigma			☐	
			Star Pipe Products			☐	
			Tyler Union			☐	
			United-NAPAC, Inc.			☐	
			NACIP			☐	
			SIP Industries			☐	
			US Pipe			☐	TR Flex Fittings for restrained joint pipe
			US Pipe			☐	Metafit
801	Ductile Iron Fitting (22 1/2 Degree Bend)	Mechanical joint or push-on 22 1/2 degree bends, for water mains 3-inch and larger, manufactured per AWWA C110 / C111 / C153 and in accordance with City of Columbus Construction and Materials Specifications.	American Ductile Iron (ACIPCO)			☐	Flex-Ring Fittings for restrained joint pipe
			McWane Ductile			☐	TR Flex Fittings for restrained joint pipe
			Sigma			☐	
			Star Pipe Products			☐	
			Tyler Union			☐	
			United-NAPAC, Inc.			☐	
			NACIP			☐	
			SIP Industries			☐	
			US Pipe			☐	TR Flex Fittings for restrained joint pipe
			US Pipe			☐	Metafit

			US Pipe			☐	Metalfit
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Spec Section	Item	Description	Manufacturer	Size	Product No.	Selection	Comments
801	Ductile Iron Fitting (45 Degree Bend)	Mechanical joint or push-on 45 degree bends, for water mains 3-inch and larger, manufactured per AWWA C110 / C111 / C153 and in accordance with City of Columbus Construction and Materials Specifications.	American Ductile Iron (ACIPCO)			☐	Flex-Ring Fittings for restrained joint pipe
			McWane Ductile			☐	TR Flex Fittings for restrained joint pipe
			Sigma			☐	
			Star Pipe Products			☐	
			Tyler Union			☐	
			United-NAPAC, Inc.			☐	
			NACIP			☐	
			SIP Industries			☐	
			US Pipe			☐	TR Flex Fittings for restrained joint pipe
			US Pipe			☐	Metafit
801	Ductile Iron Fitting (90 Degree Bend)	Mechanical joint or push-on 90 degree bends, for water mains 3-inch and larger, manufactured per AWWA C110 / C111 / C153 and in accordance with City of Columbus Construction and Materials Specifications.	American Ductile Iron (ACIPCO)			☐	Flex-Ring Fittings for restrained joint pipe
			McWane Ductile			☐	TR Flex Fittings for restrained joint pipe
			Sigma			☐	
			Star Pipe Products			☐	
			Tyler Union			☐	
			United-NAPAC, Inc.			☐	
			NACIP			☐	
			SIP Industries			☐	
			US Pipe			☐	TR Flex Fittings for restrained joint pipe
			US Pipe			☐	Metafit
801	Ductile Iron Fitting (Offset)	Mechanical joint or push-on offset fitting. Permitted for use only on 6-inch diameter fire hydrant leads. Manufactured per AWWA C110 / C111 / C153 and in accordance with City of Columbus Construction and Materials Specifications.	McWane Ductile			☐	
			Sigma			☐	
			Star Pipe Products			☐	
			Tyler Union			☐	
			United-NAPAC, Inc.			☐	
			NACIP			☐	
			SIP Industries			☐	
801	Ductile Iron Fitting (Solid Sleeve - Long)	MJ solid sleeve full body fitting, for water mains 3-inch and larger, in accordance with City of Columbus Construction and Materials Specifications and DOPW Standard Drawing L-7401.	American Ductile Iron (ACIPCO)			☐	
			McWane Ductile			☐	
			Sigma			☐	
			Star Pipe Products			☐	
			Tyler Union			☐	
			United-NAPAC, Inc.			☐	
			NACIP			☐	
			SIP Industries			☐	
			US Pipe			☐	TR Flex Fittings for restrained joint pipe
			US Pipe			☐	Metafit
801	Ductile Iron Fitting (Reducer)	Mechanical joint or push-on concentric reducers, for water mains 3-inch and larger, manufactured per AWWA C110 / C111 / C153 and in accordance with City of Columbus Construction and Materials Specifications.	American Ductile Iron (ACIPCO)			☐	Flex-Ring Fittings for restrained joint pipe
			McWane Ductile			☐	
			Sigma			☐	
			Star Pipe Products			☐	
			Tyler Union			☐	
			United-NAPAC, Inc.			☐	
			NACIP			☐	
			SIP Industries			☐	
			US Pipe			☐	TR Flex Fittings for restrained joint pipe
			US Pipe			☐	Metafit
801	Ductile Iron Fitting (Plug)	Mechanical joint or push-on plugs, for water mains 3-inch and larger, manufactured per AWWA C110 / C111 / C153 and in accordance with City of Columbus Construction and Materials Specifications.	American Ductile Iron (ACIPCO)			☐	Flex-Ring Fittings for restrained joint pipe
			McWane Ductile			☐	TR Flex Fittings for restrained joint pipe
			Sigma			☐	
			Star Pipe Products			☐	
			Tyler Union			☐	
			United-NAPAC, Inc.			☐	
			NACIP			☐	
			SIP Industries			☐	
			US Pipe			☐	TR Flex Fittings for restrained joint pipe
			US Pipe			☐	Metafit

Spec Section	Item	Description	Manufacturer	Size	Product No.	Selection	Comments
801	Ductile Iron Fitting (Cap)	Mechanical joint or push-on caps, for water mains 3-inch and larger, manufactured per AWWA C110 / C111 / C153 and in accordance with City of Columbus Construction and Materials Specifications.	American Ductile Iron (ACIPCO)			☐	Flex-Ring Fittings for restrained joint pipe
			McWane Ductile			☐	TR Flex Fittings for restrained joint pipe
			Sigma			☐	
			Star Pipe Products			☐	
			Tyler Union			☐	
			United-NAPAC, Inc.			☐	
			NACIP			☐	
			SIP Industries			☐	
			US Pipe			☐	TR Flex Fittings for restrained joint pipe
			US Pipe			☐	Metallfit
801	Mechanical Joint Adaptor (Compact)	Compact MJ X MJ adaptor that allows MJ fitting bells (ie. tees & valves) to be restrained to one another with bolts, and in accordance with City of Columbus Construction and Materials Specifications.	Infact Corporation		Foster	☐	
			Star Pipe Products		Series 100	☐	
			US Pipe			☐	Metallfit
801	Mechanical Joint Gland	Standard or compact mechanical joint gland, for water mains 3-inch and larger, manufactured per AWWA C110 / C111 / C153 and in accordance with City of Columbus Construction and Materials Specifications.	McWane Ductile			☐	
			Ferguson/Pro Select			☐	
			Sigma			☐	
			Star Pipe Products			☐	
			Tyler Union			☐	
			United-NAPAC, Inc.			☐	
			NACIP			☐	
			SIP Industries			☐	
			McWane Ductile			☐	
			Ferguson/Pro Select			☐	
801	Gasket	Gaskets used at joints, for water mains 3-inch and larger, manufactured per AWWA C110 / C111 / C153 and in accordance with City of Columbus Construction and Materials Specifications. No asbestos content.	Sigma			☐	
			Star Pipe Products			☐	
			Tyler Union			☐	
			SIP Industries			☐	
			EGW Utilities Inc.		White Rhino	☐	
			EBBA Iron, Inc.		Megalug Series 1100	☐	
			Ford Meter Co.		Uni-Flange Series 1400	☐	
			Romac Ind., Inc.		RomaGrip	☐	
			Sigma		One-Lok Series SLDE	☐	
			Smith-Blair		Cam-Lock Series 111	☐	
801	Joint Restraining Glands (Temporary)	Temporary joint restraint, for water mains 3-inch and larger, manufactured per AWWA C110 / C111 / C153 and C301, and in accordance with City of Columbus Construction and Materials Specifications. Permanent joint restraint for fire hydrant leads.	Star Pipe Products		Stargrip Series 3000	☐	
			Tyler Union		TUFGrip Series 1000	☐	
			SIP Industries		EZ Grip	☐	
			Sigma		TTB	☐	Blue Fluorocarbon Tee Head Bolts and Nuts
			Tyler Union		Cor-Blue T-bolts	☐	Blue Fluorocarbon Tee Head Bolts and Nuts
			Star Pipe Products		Star Blue	☐	Blue Fluoropolymer Tee Head Bolts and Nuts
			Ferguson/Pro Select		Core Blue	☐	Blue Fluoropolymer Tee Head Bolts and Nuts
			Birmingham Fastener, Inc.			☐	Blue Fluoropolymer Tee Head Bolts and Nuts
			SIP Industries			☐	Blue Fluoropolymer Tee Head Bolts and Nuts
			EGW Utilities Inc.		White Rhino	☐	Blue Fluorocarbon Tee Head Bolts and Nuts
801	Coupling	For Connection to cast iron water mains 2-inch and larger, in accordance with City of Columbus Construction and Materials Specifications.	Dresser		Style 38	☐	18" & Larger Water Mains.
			Romac Ind., Inc.		TC400	☐	12" & Larger Water Mains.
			Ford Meter Co.		Ultra Flex	☐	Extended Range (4"-12")
			Power Seal		Power Max	☐	Extended Range (2"-12")
			Romac Ind., Inc.		Style XR 501	☐	4" to 12" Water Mains
			Romac Ind., Inc.		"MACRO"	☐	4" to 12" Water Mains
			Smith Blair		461 Series	☐	2" to 12" Water Mains.
			Smith Blair		441 Series	☐	2" to 16" Water Mains.
			Total Piping Solutions, Inc.		TX3	☐	Extended Range (4"-12")
			Total Piping Solutions, Inc.		Hymax 2000 Series	☐	2" to 12" Water Mains.
			Balcan Plastics Limited/First Film Extruding or Crayex Corporation		V-Bio	☐	
			AA Thread		VB3 Enhanced Polyethylene Encasement	☐	
801	Polyethylene Encasement Tubing	8-mil. thick polyethylene encasement sleeve for ductile iron pipe (DIP) per AWWA C105.				☐	
						☐	

Spec Section	Item	Description	Manufacturer	Size	Product No.	Selection	Comments
801	Polyethylene Encasement Tubing Tape	1 1/2" wide, 6-mil. thick adhesive PVC outer wrap tape for underground applications.	KMA Enterprises			☐	2" Wide Tape
			Sigma			☐	
			T. Christy Enterprises, Inc.			☐	
			AA Thread Seal Tape, Inc.			☐	2" Wide Tape
801	Underground Corrosion Protection-Metal Surfaces	Corrosive protection for underground metal surfaces (bolts, restraint rodding, etc.) For aerosol undercoating products, follow manufacturer temperature restrictions for product application. For Black Gilsonite Asphalt Paint, keep product warm when working in conditions below 32°F. Do not thin product with mineral spirits or other agents.	Denso		"LT" Tape	☐	Low Temperature Petrolatum Tape
			Trenton		#1 Wax Tape	☐	
			3M		08881	☐	Underseal Rubberized Undercoating Black
			Permatex		80072 (117EA)	☐	Undercoating - Aerosol coating
			Carquest		CCM 26903	☐	Undercoating - Aerosol coating
			J.C. Whitlam Mfg. Co.		Black Dragon	☐	Black Gilsonite Asphalt Paint
			Hercules Chemical Company		Black Magic	☐	Black Gilsonite Asphalt Paint
			Larsen Products Corp.		"Weld-Crete"	☐	
801	Concrete Bonding Agent	For cement mortar lining field repair on Steel Pipe, in accordance with City of Columbus Construction and Materials Specifications.					
801	Detectable Underground Tape	6" wide, Warning/Identification (Detectable) Marking Tape for buried facilities, blue in color.	Harris Industries, Inc.			☐	
			Pro-Line			☐	
			ProPak			☐	
			Sigma			☐	
			T. Christy Enterprises, Inc.			☐	
801	Poly Pig (Medium Density)	For use in Cleaning of New Water Mains 12-inch and larger, in accordance with City of Columbus Construction and Materials Specifications.	Pipeline Pigging Products		Model B4	☐	
			Pipeline Pigging Products		Model RX4	☐	
			Girard		Model RCC	☐	
			Knapp		Model 1-C	☐	
801	Chlorination Tap (B.O./Sampling Outlet)	For use in chlorinating newly installed water mains in accordance with AWWAC-651 along with City of Columbus Construction and Materials Specifications. Note that all taps are to be removed once chlorination is complete and shall be plugged with an approved brass plug.					Refer to approved corporation stop valves listed under item 805.
801	Brass Plug	For use in plugging a water main once a corporation stop has been removed. Plug must have AWWA CC style threads.	A.Y. McDonald		73206	☐	3/4" - 2"
			Cambridge Brass		Model 98NL	☐	3/4" - 2"
			Ford Meter Co.		CSP-NL	☐	3/4" - 1"
			Mueller Co.		H-10033N	☐	3/4" - 2"
801	Tracer Wire	12 GA AWG, solid copper or copper-clad steel reinforced tracer wire, for use with PVC pipe.	Copperhead Industries		1230B-HS	☐	
			Pro-Line Safety Products		Pro-Trace HF-CCS PE30	☐	
801	Tracer Wire Grounding Rod	1.5-lb, drive-in, magnesium rod with a minimum 20-feet, 12 AWG red HDPE insulated copper-clad steel wire connected to the rod.	Copperhead Industries		ANO-12	☐	
			Pro-Line Safety Products		Pro-Trace Ground Rod	☐	
801	Tracer Wire Termination Box	Grade level / in-ground tracer wire access box with dual terminal lid.	Copperhead Industries		SnakePit LD14B2T-ADJ	☐	
			KrisTech		Test Station, 2-terminal cover	☐	

Spec Section	Item	Description	Manufacturer	Size	Product No.	Selection	Comments
802	Valve, Butterfly	For water valves 20-inch and larger, manufactured per AWWA C504 and in accordance with City of Columbus Construction and Materials Specifications.	Henry Pratt Co.		Groundhog Series	☐	20" & Larger
			DeZurik		BAW AWWA	☐	20" & Larger
			Mueller		Lineal	☐	20" & Larger
802	Valve, Curb Stop	For valves on water mains 2-inch and smaller					Refer to approved curb stop valves listed under Item 805.
802	Valve, Resilient Seated Gate	For water valves 3-inch to 16-inch, manufactured per AWWA C-500, C509 and C-515 and in accordance with City of Columbus Construction and Materials Specifications.	American Flow Control		Series 2500	☐	
			American Flow Control		Series 2500 - Restrained	☐	Alpha restrained joint ends, For 4" - 12" valves
			American AVK		Series 45	☐	
			Clow Corporation		Model 2639/2640	☐	For 3" - 12" Valves (M.J.) Type F-6100, Type F-6114 for Tapping
			Clow Corporation		Model 2638	☐	For 3" - 16" Valves (M.J.) Type F-6100, Type F-6114 for Tapping
			East Jordan Iron Works		"FlowMaster"	☐	For 4"- 16" Valves.
			Kennedy Valve Company		"KS-FW"	☐	Sizes 3" - 16"
			Kennedy Valve Company		"KS-RW"	☐	Sizes 3" - 12"
			Mueller Co.		Series 2360	☐	For 3"- 16" Valves.
802	Valve Box, ≤ 2" Valve	Screw type valve box for use on water valves 2-inch and smaller, outside traveled areas and in accordance with City of Columbus Construction and Materials Specifications Item 805.					Refer to approved curb boxes listed under Item 805.
802	Valve Box, Standard (Three Piece)	Screw type valve box for use on water valves 3-inch to 16-inch in accordance with City of Columbus Construction and Materials Specifications.	General Foundries Inc.		340C0	☐	
			Bingham & Taylor		I5BC6W	☐	
			Sigma		VB630	☐	
			Star Pipe Products		VB-0005	☐	
			Tyler Union		6860	☐	
			SIP Industries		6000 - 6020	☐	
802	Valve Box, Adjusting Ring	For use on <u>existing</u> heavy duty valve boxes, in accordance with City of Columbus Construction and Materials Specifications DOPW Standard Drawing L-6316B.	American Highway Products, Ltd.		Columbus, Ohio	☐	Pivoted Turnbuckle Expanding Linkage
Spec Section	Item	Description	Manufacturer	Size	Product No.	Selection	Comments
803	Tapping Sleeve for CI, DI, and PVC Pipe (Reduced Size Taps)	Full body iron or fabricated steel tapping sleeve for 3" and larger wet taps on CI or DI pipe in accordance with City of Columbus Construction and Materials Specifications.	American Flow Control		2800-C Series	☐	4"x4" through 16"x12" (Ductile Iron, Cast Iron, or PVC)
			Cascade		CST-EX	☐	(Ductile Iron or PVC)
			Cascade		CFT-ESS	☐	(Ductile Iron or PVC)
			Ford Meter Co.		FTSC	☐	(Ductile Iron or PVC)
			JCM Industries Inc.		JCM 412	☐	6"x3" through 36"x12" (Ductile Iron or PVC)
			JCM Industries Inc.		JCM 432	☐	4"x2" through 24"x8" (Ductile Iron, Cast Iron, or PVC)
			JCM Industries Inc.		JCM 452	☐	(Ductile Iron or PVC)
			Mueller Co.		H-615	☐	4"x4" through 24"x24" (Ductile Iron, Cast Iron, or PVC)
			Mueller Co.		H-616	☐	4"x10" through 24"x24" (Cast Iron Only)
			Powerseal		3490	☐	(Ductile Iron, Cast Iron, or PVC)
			Romac Ind., inc.		FTS420	☐	(Ductile Iron or PVC)
			Romac Ind., inc.		SSTIII	☐	(Ductile Iron, Cast Iron, or PVC)
			Smith-Blair		622	☐	4"x4" through 24"x12" (Ductile Iron or PVC)
			Smith-Blair		665	☐	(Ductile Iron, Cast Iron, or PVC)
			Dresser Water LLC		Triple Tap	☐	4" through 16" (Ductile Iron, Cast Iron, or PVC)
			Tyler Union		25-U	☐	6"x4" through 12"x12" (Ductile Iron, Cast Iron, or PVC)
803	Tapping Sleeve for CI and DI Pipe (Size-on-Size Taps)	Iron tapping sleeve (full body) for 3" and larger wet taps on CI or DI pipe in accordance with City of Columbus Construction and Materials Specifications.	American Flow Control		2800-C Series	☐	4"x4" through 16"x12" (Ductile or Cast Iron)
			Mueller Co.		H-615	☐	4"x4" through 24"x24" (Ductile or Cast Iron)
			Mueller Co.		H-616	☐	4"x10" through 24"x24" (Cast Iron Only)
			Dresser Water LLC		Triple Tap	☐	4"x4" through 16"x16" (Ductile Iron or Cast Iron)
			Tyler Union		25-U	☐	6"x4" through 12"x12" (Ductile or Cast Iron)
803	Tapping Sleeve for Concrete Cylinder Pipe	Fabricated steel tapping sleeve for 3" and larger wet taps on concrete pipe in accordance with City of Columbus Construction and Materials Specifications.	JCM Industries Inc.		415	☐	Sized to fit actual OD of pipe, OD must
			Smith-Blair		625	☐	be field verified prior to order.

Spec Section	Item	Description	Manufacturer	Size	Product No.	Selection	Comments
805	Corporation Stop	For water taps 2-inch and smaller, in accordance with City of Columbus Construction and Materials Specifications. Dimensions shall be copper tubing size (CTS). Compression connection x AWWA taper thread. Pressure rated at 150 psi or higher. Product must be certified to meet the requirements on NSF/ANSI 61. For water taps 3-inch and larger an approved tapping sleeve and valve shall be used for any hot-tap installation in accordance with Item 802.	A.Y. McDonald		74701BT	☐	3/4" thru 2"
			Cambridge Brass		Series 301NL	☐	3/4" thru 2"
			Ford Meter Co.		"FB1000-QNL" Series	☐	3/4" thru 2"
			Mueller Co.		B-25008N	☐	3/4" thru 2"
			Mueller Co.		H-15013N	☐	For 1 1/2" & 2"
805	Curb Stop (Water Tap Valve)	For water taps 2-inch and smaller, in accordance with City of Columbus Construction and Materials Specifications. Dimensions shall be copper tubing size (CTS) with compression connections and pressure rated at 150 psi or higher. Product must be certified to meet the requirements on NSF/ANSI 61. For water taps 3-inch and larger an approved gate valve shall be used in accordance with Item 802.	A.Y. McDonald		76100T	☐	3/4" thru 2" Water Taps
			Cambridge Brass		Series 202NL	☐	3/4" thru 2" Water Taps
			Ford Meter Co.		"B44-NL" Series	☐	3/4" thru 2" Water Taps
			Mueller Co.		B-25209N	☐	3/4" thru 2" Water Taps
			Mueller Co.		H-15209N	☐	3/4" thru 2" Water Taps
805	Curb Box, Standard	For curb stops 2-inch and smaller, in accordance with City of Columbus Construction and Materials Specifications. For water taps 3-inch and larger an approved valve box shall be used in accordance with Item 802.	General Foundries Inc.		37094E	☐	
			General Foundries Inc.		38094E	☐	
			Bingham & Taylor		I2B94EWOS	☐	"New Style" lid acceptable
			Sigma		VB-794E	☐	
			Star Pipe Products		SB94ES	☐	
			SIP Industries		6300 Item #	☐	94E
			Tyler Union		6500 Series	☐	94-E
805	Copper Tubing	For water taps 2-inch and smaller, all tubing shall be type K soft temper conforming to ASTM B 88 and in accordance with City of Columbus Construction and Materials Specifications. Material dimensions shall be Copper Tubing Size (CTS). For water taps 3-inch and larger an approved ductile iron pipe shall be used.	Mueller Industries, Inc.		Type K Soft Copper	☐	
			Cambridge-Lee Industries, Inc.		Type K Soft Copper	☐	
			Cerro Flow Products, Inc.		Type K Soft Copper	☐	
			Great Lakes Copper, Inc.		Type K Soft Copper	☐	
			Kessler		Type K Soft Copper	☐	
			Wieland Copper Products, LLC		Type K Soft Copper	☐	
			Lansdale Valve & Manufacturing		Type K Soft Copper	☐	Domestic LVDCUT 3/4" to 2"
			Bison Metal Technologies		Type K Soft Copper	☐	Model BMT Domestic Type K 3/4" to 2"
805	Water Tap Saddle	For water taps 2-inch and smaller, where a hot tap is required, in accordance with City of Columbus Construction and Materials Specifications. Material dimensions shall be copper tubing size (CTS). Provide single strap water tap saddles for 2-inch and smaller water mains. Provide double strap water tap saddles for 3-inch and larger water mains. For water taps 3-inch and larger, where a hot tap is required, an approved tapping sleeve shall be used in accordance with Item 802.	A.Y. McDonald		3801	☐	For use on ex. IPS OD PVC pipe
			A.Y. McDonald		4835A	☐	Single S.S. Strap
			A.Y. McDonald		4855A	☐	Double S.S. Strap
			Cambridge Brass		Series 822	☐	Single S.S. Strap
			Cambridge Brass		Series 812	☐	Double S.S. Strap
			Ford Meter Co.		Style FC101	☐	Single S.S. Strap
			Ford Meter Co.		Style FCD202,FS313	☐	Double S.S. Strap
			JCM Industries Inc.		418	☐	3/4" thru 1 1/2" Taps on 20" & Larger W.M.'s
			JCM Industries Inc.		425	☐	3/4" thru 2" Taps on Conc. Steel Cylinder Pipe
			Mueller Co.		DR 1 S or BR 1 S	☐	Single S.S. Strap
			Mueller Co.		DR 2 S or BR 2 S	☐	Double S.S. Strap
			Romac Ind., inc.		101S or 101BS	☐	Single S.S. Strap
			Romac Ind., inc.		202S or 202BS	☐	Double S.S. Strap
			Smith-Blair		315 Series	☐	Single S.S. Strap
			Smith-Blair		317 Series	☐	Double S.S. Strap
805	Water Tap Tubing Couplings "Adapter"	For connecting to water tap tubing 2-inch and smaller, in accordance with City of Columbus Construction and Materials Specifications. Product must be certified to meet the requirements on NSF/ANSI 61.	Cambridge Brass		Series 118NL	☐	Copper to Copper (CTS to CTS)
			Ford Meter Co.		Style C44-xx-Q-NL	☐	Copper to Copper (CTS to CTS)
			Mueller Co.		H-15403N	☐	Copper to Copper (CTS to CTS)
			A.Y. McDonald		74758T and 74758Q	☐	Copper to Copper (CTS to CTS)
			A.Y. McDonald		74756-CTS	☐	Copper to Copper (CTS to CTS)
			A.Y. McDonald		Ranger Fittings	☐	3/4" thru 1"
			Smith-Blair		411 w/ Adapter Gasket	☐	Copper to Galvanized (CTS to IPS)
			Smith-Blair		525 w/ Adapter Gasket	☐	Copper to Galvanized (CTS to IPS)
			Ford Meter Co.		C45-xx-G-NL	☐	Copper to Galvanized (CTS to IPS)
805	Copper Disc	For abandoning water taps, placed at outlet of corporation stop in accordance with City of Columbus Construction and Materials Specifications. Material dimensions shall be copper tubing size (CTS).	Ford Meter Co.		Disc-x Style	☐	3/4" thru 2"
			Mueller Co.		H-15535	☐	3/4" thru 2"
			A.Y. McDonald		6125	☐	3/4" thru 1"

Spec Section	Item	Description	Manufacturer	Size	Product No.	Selection	Comments
806	Casing Pipe	Steel casing pipe for protection/installation of water mains 6-inch and larger, manufactured per ASTM A-139 Grade B, in accordance with City of Columbus Construction and Materials Specifications and DOPW standard drawing L-6324.	American Steel Pipe			☐	
			Lally Pipe & Tube			☐	
			Northwest Pipe Co.			☐	
			Arntzen Corporation			☐	
			Pittsburgh			☐	
806	Casing Spacers	Spacers used with casing pipe installations, in accordance with City of Columbus Construction and Materials Specifications and DOPW standard drawing L-6324.	Advanced Product & Systems	SI		☐	
			Pipeline Seal & Insulator, Inc.		C8G-2 or C12G-2	☐	
			CCI		CSC	☐	
806	Casing Pipe End Seals	Synthetic rubber wrap-around end seals used on casing pipe, in accordance with City of Columbus Construction and Materials Specifications and DOPW standard drawing L-6324.	Advanced Product & Systems		Model AW	☐	
			Pipeline Seal & Insulator, Inc.		Model W	☐	
			CCI Piping System		Model ESW	☐	
Spec Section	Item	Description	Manufacturer	Size	Product No.	Selection	Comments
809	Fire Hydrant	For fire hydrant settings in accordance with City of Columbus Construction and Materials Specifications DOPW standard drawings L-6409, L-6637 and L-7601.	American Flow Control		Mark 73 Series	☐	"No Drain" only
			American Flow Control		Mark 73 -5	☐	"No Drain" only. Alpha Joint Hydrant Base for use on Mark 73 Series Hydrants
			Clow Corporation		Eddy F2641	☐	
			Mueller Co.		Centurion	☐	Super 200
Spec Section	Item	Description	Manufacturer	Size	Product No.	Selection	Comments
810	Hydrant Extension Kits	For vertically extending fire hydrant settings in accordance with City of Columbus Construction and Materials Specifications and DOPW standard drawings L-6409, L-6637 and L-7601.	American Flow Control			☐	
			Clow Corporation			☐	
			Mueller Co.			☐	
Spec Section	Item	Description	Manufacturer	Size	Product No.	Selection	Comments
APPROVED POLYETHYLENE TUBING FOR PRIVATE SERVICE LINES (CURB STOP TO METER)	2" and smaller polyethylene 4710 tubing	Approved polyethylene tubing for private service lines (curb stop to meter).	Charter Plastics Inc.		Blue Ice CTS Tubing PE 4710	☐	
			Endot		EndoPure PE 4710	☐	
			Oil Creek		Aqua Blue PE 4710	☐	
			Silver-Line		Ultra-Pure II CTS PE 4710	☐	
			ADS		Polyflex PE 4710	☐	
Spec Section	Item	Description	Manufacturer	Size	Product No.	Selection	Comments
APPROVED YOKES AND METER SETTING	Yokes and Meter Settings	Approved yokes and meter settings or approved equals.	AY McDonald	5/8"	740-1-V-MS 33 (AY#5156-179)	☐	5/8" Setter OR APPROVED EQUAL
			AY McDonald	3/4"	740-3-J-MS 33 (AY#5156-180)	☐	3/4" Setter OR APPROVED EQUAL
			AY McDonald	1"	740-4-V-MS 44 (AY#5149-283)	☐	1" Setter OR APPROVED EQUAL
			AY McDonald	1.5"	720B612VVFF 665	☐	1.5" Setter OR APPROVED EQUAL
Spec Section	Item	Description	Manufacturer	Size	Product No.	Selection	Comments
APPROVED METER BOX MATERIAL	Meter Box	Approved meter box or approved equals	Sigma		RMP2030	☐	Tapered meter box with 20" inside diameter with 30" depth
	Frame	Approved frame or approved equals	AY McDonald		74MWF20	☐	Cast iron frame
	Inner Lid	Approved inner lid or approved equals	AY McDonald		74MPILT	☐	11"80 inner LID w/2" hole & cable tie
	Meter Box Lid	Approved meter box lid or approved equals	Trumbull		367-5815	☐	20K Polymer material with 1 - 2" recessed hole for radio transmitter
	Meter Yokes	Approved yokes or approved equals	AY McDonald	3/4"	714R1-IITT 33	☐	Includes 74642BYHDLBT 3/4x3/4x02 (2ea) Angle Ball Valve with Brass Handle, 14-3P pronged yoke, 714-2EGH Yolk expander
	Meter Yokes	Approved yokes or approved equals	AY McDonald	5/8"	714R1-VVTT 33	☐	Includes 74642BYHDLBT 3/4x5/8x01 (2ea) Angle Ball Valve with Brass Handle, 14-1P pronged yoke, 714-1EHG Yolk expander
	Meter Yokes	Approved yokes or approved equals	AY McDonald	1"	714R4-IITT 44	☐	Includes 74602BYHDLBT 1x1x02 (2ea) Ball Valve with Brass Handle, 14-4P pronged yoke, 714-4EHG Yolk expander