

**DIVISION OF WATER
APPROVED MATERIALS LIST (6/14/2024 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

SUPPLIER INFORMATION

Name of Contractor (Company)

Name of Supplier (Company)

Contact Person

Contact Person

Mailing Address

Mailing Address

City, State, Zip

City, State, Zip

Telephone

Telephone

Fax

Fax

E-Mail Address

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 McWane Ductile U.S. Pipe			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Fastite Push-on, Mech. Joint & Flex-Ring restrained joint Tyton Push-on, Mech. Joint & TR Flex restrained joint 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			<input type="checkbox"/>	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			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
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			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
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) McWane Ductile Sigma Star Pipe Products Tyler Union United-NAPAC, Inc. NACIP SIP Industries US Pipe US Pipe			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Flex-Ring Fittings for restrained joint pipe TR Flex Fittings for restrained joint pipe TR Flex Fittings for restrained joint pipe Metalfit
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			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
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) McWane Ductile Sigma Star Pipe Products Tyler Union United-NAPAC, Inc. NACIP SIP Industries US Pipe US Pipe			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Flex-Ring Fittings for restrained joint pipe TR Flex Fittings for restrained joint pipe TR Flex Fittings for restrained joint pipe Metalfit
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) McWane Ductile Sigma Star Pipe Products Tyler Union United-NAPAC, Inc. NACIP SIP Industries US Pipe US Pipe			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Flex-Ring Fittings for restrained joint pipe TR Flex Fittings for restrained joint pipe TR Flex Fittings for restrained joint pipe Metalfit
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) McWane Ductile Sigma Star Pipe Products Tyler Union United-NAPAC, Inc. NACIP SIP Industries US Pipe US Pipe			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Flex-Ring Fittings for restrained joint pipe TR Flex Fittings for restrained joint pipe TR Flex Fittings for restrained joint pipe Metalfit

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)			<input type="checkbox"/>	Flex-Ring Fittings for restrained joint pipe
			McWane Ductile			<input type="checkbox"/>	TR Flex Fittings for restrained joint pipe
			Sigma			<input type="checkbox"/>	
			Star Pipe Products			<input type="checkbox"/>	
			Tyler Union			<input type="checkbox"/>	
			United-NAPAC, Inc.			<input type="checkbox"/>	
			NACIP			<input type="checkbox"/>	
			SIP Industries			<input type="checkbox"/>	
			US Pipe			<input type="checkbox"/>	TR Flex Fittings for restrained joint pipe
			US Pipe			<input type="checkbox"/>	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)	
McWane Ductile						<input type="checkbox"/>	TR Flex Fittings for restrained joint pipe
Sigma						<input type="checkbox"/>	
Star Pipe Products						<input type="checkbox"/>	
Tyler Union						<input type="checkbox"/>	
United-NAPAC, Inc.						<input type="checkbox"/>	
NACIP						<input type="checkbox"/>	
SIP Industries						<input type="checkbox"/>	
US Pipe						<input type="checkbox"/>	TR Flex Fittings for restrained joint pipe
US Pipe						<input type="checkbox"/>	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			<input type="checkbox"/>	
			Star Pipe Products			<input type="checkbox"/>	
			Tyler Union			<input type="checkbox"/>	
			United-NAPAC, Inc.			<input type="checkbox"/>	
			NACIP			<input type="checkbox"/>	
			SIP Industries			<input type="checkbox"/>	
			American Ductile Iron (ACIPCO)			<input type="checkbox"/>	
			McWane Ductile			<input type="checkbox"/>	
			Sigma			<input type="checkbox"/>	
			Star Pipe Products			<input type="checkbox"/>	
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)			<input type="checkbox"/>	
			McWane Ductile			<input type="checkbox"/>	
			Sigma			<input type="checkbox"/>	
			Star Pipe Products			<input type="checkbox"/>	
			Tyler Union			<input type="checkbox"/>	
			United-NAPAC, Inc.			<input type="checkbox"/>	
			NACIP			<input type="checkbox"/>	
			SIP Industries			<input type="checkbox"/>	
			US Pipe			<input type="checkbox"/>	TR Flex Fittings for restrained joint pipe
			US Pipe			<input type="checkbox"/>	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)	
McWane Ductile						<input type="checkbox"/>	
Sigma						<input type="checkbox"/>	
Star Pipe Products						<input type="checkbox"/>	
Tyler Union						<input type="checkbox"/>	
United-NAPAC, Inc.						<input type="checkbox"/>	
NACIP						<input type="checkbox"/>	
SIP Industries						<input type="checkbox"/>	
US Pipe						<input type="checkbox"/>	TR Flex Fittings for restrained joint pipe
US Pipe						<input type="checkbox"/>	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)	
			McWane Ductile			<input type="checkbox"/>	TR Flex Fittings for restrained joint pipe
			Sigma			<input type="checkbox"/>	
			Star Pipe Products			<input type="checkbox"/>	
			Tyler Union			<input type="checkbox"/>	
			United-NAPAC, Inc.			<input type="checkbox"/>	
			NACIP			<input type="checkbox"/>	
			SIP Industries			<input type="checkbox"/>	
			US Pipe			<input type="checkbox"/>	TR Flex Fittings for restrained joint pipe
			US Pipe			<input type="checkbox"/>	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)			<input type="checkbox"/>	Flex-Ring Fittings for restrained joint pipe
			McWane Ductile			<input type="checkbox"/>	TR Flex Fittings for restrained joint pipe
			Sigma			<input type="checkbox"/>	
			Star Pipe Products			<input type="checkbox"/>	
			Tyler Union			<input type="checkbox"/>	
			United-NAPAC, Inc.			<input type="checkbox"/>	
			NACIP			<input type="checkbox"/>	
			SIP Industries			<input type="checkbox"/>	
			US Pipe			<input type="checkbox"/>	TR Flex Fittings for restrained joint pipe
			US Pipe			<input type="checkbox"/>	Metalfit
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	<input type="checkbox"/>	
			Star Pipe Products		Series 100	<input type="checkbox"/>	
			US Pipe			<input type="checkbox"/>	Metalfit
						<input type="checkbox"/>	
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			<input type="checkbox"/>	
			Ferguson/Pro Select			<input type="checkbox"/>	
			Sigma			<input type="checkbox"/>	
			Star Pipe Products			<input type="checkbox"/>	
			Tyler Union			<input type="checkbox"/>	
			United-NAPAC, Inc.			<input type="checkbox"/>	
			NACIP			<input type="checkbox"/>	
			SIP Industries			<input type="checkbox"/>	
						<input type="checkbox"/>	
						<input type="checkbox"/>	
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.	McWane Ductile			<input type="checkbox"/>	
			Ferguson/Pro Select			<input type="checkbox"/>	
			Sigma			<input type="checkbox"/>	
			Star Pipe Products			<input type="checkbox"/>	
			Tyler Union			<input type="checkbox"/>	
			SIP Industries			<input type="checkbox"/>	
			EGW Utilities Inc.		White Rhino	<input type="checkbox"/>	
						<input type="checkbox"/>	
						<input type="checkbox"/>	
						<input type="checkbox"/>	
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.	EBBA Iron, Inc.		Megalug Series 1100	<input type="checkbox"/>	
			Ford Meter Co.		Uni-Flange Series 1400	<input type="checkbox"/>	
			Romac Ind., Inc.		RomaGrip	<input type="checkbox"/>	
			Sigma		One-Lok Series SLDE	<input type="checkbox"/>	
			Smith-Blair		Carn-Lock Series 111	<input type="checkbox"/>	
			Star Pipe Products		Stargrip Series 3000	<input type="checkbox"/>	
			Tyler Union		TUFGrip Series 1000	<input type="checkbox"/>	
			SIP Industries		EZ Grip	<input type="checkbox"/>	
						<input type="checkbox"/>	
						<input type="checkbox"/>	
801	Factory-Coated Carbon Steel nuts & bolts	Nuts and bolts for installation of, fittings, mechanical joints, pipe restraint products, etc.	Sigma		TTB	<input type="checkbox"/>	Blue Fluorocarbon Tee Head Bolts and Nuts
			Tyler Union		Cor-Blue T-bolts	<input type="checkbox"/>	Blue Fluorocarbon Tee Head Bolts and Nuts
			Star Pipe Products		Star Blue	<input type="checkbox"/>	Blue Fluoropolymer Tee Head Bolts and Nuts
			Ferguson/Pro Select		Core Blue	<input type="checkbox"/>	Blue Fluoropolymer Tee Head Bolts and Nuts
			Birmingham Fastener, Inc.			<input type="checkbox"/>	Blue Fluoropolymer Tee Head Bolts and Nuts
			SIP Industries			<input type="checkbox"/>	Blue Fluoropolymer Tee Head Bolts and Nuts
			EGW Utilities Inc.		White Rhino	<input type="checkbox"/>	Blue Fluorocarbon Tee Head Bolts and Nuts
						<input type="checkbox"/>	
						<input type="checkbox"/>	
						<input type="checkbox"/>	
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	<input type="checkbox"/>	18" & Larger Water Mains.
			Romac Ind., Inc.		TC400	<input type="checkbox"/>	12" & Larger Water Mains.
			Ford Meter Co.		Ultra Flex	<input type="checkbox"/>	Extended Range (4"-12")
			Power Seal		Power Max	<input type="checkbox"/>	Extended Range (2"-12")
			Romac Ind., Inc.		Style XR 501	<input type="checkbox"/>	4" to 12" Water Mains
			Romac Ind., Inc.		"MACRO"	<input type="checkbox"/>	4" to 12" Water Mains
			Smith Blair		461 Series	<input type="checkbox"/>	2" to 12" Water Mains.
			Smith Blair		441 Series	<input type="checkbox"/>	2" to 16" Water Mains.
			Total Piping Solutions, Inc.		TX3	<input type="checkbox"/>	Extended Range (4"-12")
			Total Piping Solutions, Inc.		Hymax 2000 Series	<input type="checkbox"/>	2" to 12" Water Mains.
			KMA Enterprises		"PET" Series	<input type="checkbox"/>	
			Balcan Plastics Limited/First Film Extruding or Crayex Corporation		V-Bio	<input type="checkbox"/>	
			Sigma			<input type="checkbox"/>	
			T. Christy Enterprises, Inc.			<input type="checkbox"/>	
AA Thread Seal Tape, Inc.			<input type="checkbox"/>				

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			<input type="checkbox"/>	2" Wide Tape		
			Sigma			<input type="checkbox"/>			
			T. Christy Enterprises, Inc.			<input type="checkbox"/>			
			AA Thread Seal Tape, Inc.			<input type="checkbox"/>			
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 Gilonite 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	<input type="checkbox"/>	Low Temperature Petrolatum Tape		
			Trenton		#1 Wax Tape	<input type="checkbox"/>			
			3M		08881	<input type="checkbox"/>		Underseal Rubberized Undercoating Black	
			Permatex		80072 (117EA)	<input type="checkbox"/>		Undercoating - Aerosol coating	
			Carquest		CCM 26903	<input type="checkbox"/>		Undercoating - Aerosol coating	
			J.C. Whitlam Mfg. Co.		Black Dragon	<input type="checkbox"/>		Black Gilonite Asphalt Paint	
			Hercules Chemical Company		Black Magic	<input type="checkbox"/>		Black Gilonite Asphalt Paint	
			Larsen Products Corp.		"Weld-Crete"	<input type="checkbox"/>			
801	Detectable Underground Tape	6" wide, Warning/Identification (Detectable) Marking Tape for buried facilities, blue in color.	Harris Industries, Inc.			<input type="checkbox"/>			
			Pro-Line			<input type="checkbox"/>			
			ProPak			<input type="checkbox"/>			
			Sigma			<input type="checkbox"/>			
			T. Christy Enterprises, Inc.			<input type="checkbox"/>			
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	<input type="checkbox"/>			
			Pipeline Pigging Products		Model RX4	<input type="checkbox"/>			
			Girard		Model RCC	<input type="checkbox"/>			
			Knapp		Model 1-C	<input type="checkbox"/>			
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.				<input type="checkbox"/>	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	<input type="checkbox"/>	3/4" - 2"		
			Cambridge Brass		Model 98NL	<input type="checkbox"/>	3/4" - 2"		
			Ford Meter Co.		CSP-NL	<input type="checkbox"/>	3/4" - 1"		
			Mueller Co.		H-10033N	<input type="checkbox"/>	3/4" - 2"		
801	Tracer Wire	12 GA AWG, solid copper HDPE jacket, or high strength HDPE jacket copper-clad steel reinforced tracer wire, for use with PVC pipe.	Copperhead Industries		1230B-HS	<input type="checkbox"/>			
			Pro-Line Safety Products		Pro-Trace HF-CCS PE30	<input type="checkbox"/>			
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	<input type="checkbox"/>			
			Pro-Line Safety Products		Pro-Trace Ground Rod	<input type="checkbox"/>			
801	Tracer Wire Termination Box	Grade level / in-ground tracer wire access box with dual terminal lid.	Copperhead Industries		SnakePit LD14B2T-ADJ	<input type="checkbox"/>			
			KrisTech		Test Station, 2-terminal cov	<input type="checkbox"/>			

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	<input type="checkbox"/>	3/4" thru 2"
			Cambridge Brass		Series 301NL	<input type="checkbox"/>	3/4" thru 2"
			Ford Meter Co.		"FB1000-QNL" Series	<input type="checkbox"/>	3/4" thru 2"
			Mueller Co.		B-25008N	<input type="checkbox"/>	3/4" thru 2"
			Mueller Co.		H-15013N	<input type="checkbox"/>	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	<input type="checkbox"/>	3/4" thru 2" Water Taps
			Cambridge Brass		Series 202NL	<input type="checkbox"/>	3/4" thru 2" Water Taps
			Ford Meter Co.		"B44-NL" Series	<input type="checkbox"/>	3/4" thru 2" Water Taps
			Mueller Co.		B-25209N	<input type="checkbox"/>	3/4" thru 2" Water Taps
			Mueller Co.		H-15209N	<input type="checkbox"/>	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	<input type="checkbox"/>	
			General Foundries Inc.		38094E	<input type="checkbox"/>	
			Bingham & Taylor		I2B94EWOS	<input type="checkbox"/>	"New Style" lid acceptable
			Sigma		VB-794E	<input type="checkbox"/>	
			Star Pipe Products		SB94ES	<input type="checkbox"/>	
			SIP Industries		6300 Item #	<input type="checkbox"/>	94E
			Tyler Union		6500 Series	<input type="checkbox"/>	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	<input type="checkbox"/>	
			Cambridge-Lee Industries, Inc.		Type K Soft Copper	<input type="checkbox"/>	
			Cerro Flow Products, Inc.		Type K Soft Copper	<input type="checkbox"/>	
			Great Lakes Copper, Inc.		Type K Soft Copper	<input type="checkbox"/>	
			Kessler		Type K Soft Copper	<input type="checkbox"/>	
Wieland Copper Products, LLC		Type K Soft Copper	<input type="checkbox"/>				
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	<input type="checkbox"/>	For use on ex. IPS OD PVC pipe
			A.Y. McDonald		4835A	<input type="checkbox"/>	Single S.S. Strap
			A.Y. McDonald		4855A	<input type="checkbox"/>	Double S.S. Strap
			Cambridge Brass		Series 822	<input type="checkbox"/>	Single S.S. Strap
			Cambridge Brass		Series 812	<input type="checkbox"/>	Double S.S. Strap
			Ford Meter Co.		Style FC101	<input type="checkbox"/>	Single S.S. Strap
			Ford Meter Co.		Style FCD202	<input type="checkbox"/>	Double S.S. Strap
			JCM Industries Inc.		418	<input type="checkbox"/>	3/4" thru 1 1/2" Taps on 20" & Larger W.M.'s
			JCM Industries Inc.		425	<input type="checkbox"/>	3/4" thru 2" Taps on Conc. Steel Cylinder Pipe
			Mueller Co.		DR 1 S or BR 1 S	<input type="checkbox"/>	Single S.S. Strap
			Mueller Co.		DR 2 S or BR 2 S	<input type="checkbox"/>	Double S.S. Strap
			Romac Ind., inc.		101S or 101BS	<input type="checkbox"/>	Single S.S. Strap
			Romac Ind., inc.		202S or 202BS	<input type="checkbox"/>	Double S.S. Strap
			Smith-Blair		315 Series	<input type="checkbox"/>	Single S.S. Strap
			Smith-Blair		317 Series	<input type="checkbox"/>	Double S.S. Strap
805	Water Tap Tubing Couplings	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	<input type="checkbox"/>	Copper to Copper (CTS to CTS)
			Ford Meter Co.		Style C44-xx-Q-NL	<input type="checkbox"/>	Copper to Copper (CTS to CTS)
			Mueller Co.		H-15403N	<input type="checkbox"/>	Copper to Copper (CTS to CTS)
			A.Y. McDonald		74758T and 74758Q	<input type="checkbox"/>	Copper to Copper (CTS to CTS)
			A.Y. McDonald		74756-CTS	<input type="checkbox"/>	Copper to Copper (CTS to CTS)
			A.Y. McDonald		Ranger Fittings	<input type="checkbox"/>	3/4" thru 1"
			Smith-Blair		411 w/ Adapter Gasket	<input type="checkbox"/>	Copper to Galvanized (CTS to IPS)
			Smith-Blair		525 w/ Adapter Gasket	<input type="checkbox"/>	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	<input type="checkbox"/>	3/4" thru 2"
			Mueller Co.		H-15535	<input type="checkbox"/>	3/4" thru 2"
			A.Y. McDonald		6125	<input type="checkbox"/>	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			<input type="checkbox"/>	
			Lally Pipe & Tube			<input type="checkbox"/>	
			Northwest Pipe Co.			<input type="checkbox"/>	
			Arntzen Corporation			<input type="checkbox"/>	
			Pittsburgh			<input type="checkbox"/>	
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		<input type="checkbox"/>	
			Pipeline Seal & Insulator, Inc.	C8G-2 or C12G-2		<input type="checkbox"/>	
			CCI	CSC		<input type="checkbox"/>	
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		<input type="checkbox"/>	
			Pipeline Seal & Insulator, Inc.	Model W		<input type="checkbox"/>	
			CCI Piping System	Model ESW		<input type="checkbox"/>	
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	<input type="checkbox"/>	"No Drain" only
			American Flow Control		Mark 73 -5	<input type="checkbox"/>	"No Drain" only. Alpha Joint Hydrant Base for use on Mark 73 Series f
			Clow Corporation		Eddy F2641	<input type="checkbox"/>	
			Mueller Co.		Centurion	<input type="checkbox"/>	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			<input type="checkbox"/>	
			Clow Corporation			<input type="checkbox"/>	
			Mueller Co.			<input type="checkbox"/>	