

THE METROPOLITAN DISTRICT APPROVED MATERIALS FOR WATER MAIN INSTALLATIONS (12/31/2011)

Updates and revisions during the previous quarter are shown in yellow highlight.

PRODUCT	MANUFACTURER	SPEC/CLASS/MODEL	COMPANY ORIGIN (STATE)	ORIGIN OF PARTS/MANUFACTURING LOCATION
DUCTILE IRON PIPE	ACIPCO	AWWA C151, Class 54, Push On/MJ PIPE	USA (Alabama)	Manufacturing location: Alabama
	Atlantic States Pipe (McWane)	AWWA C151, Class 54, Push On/MJ PIPE	USA (New Jersey)	Manufacturing location: New Jersey
	Clow Corporation (McWane)	AWWA C151, Class 54, Push On/MJ PIPE	USA (Iowa)	Manufacturing location: Iowa
	Griffin Pipe Products, Inc.	AWWA C151, Class 54, Push On/MJ PIPE	USA (Illinois)	Manufacturing locations: Virginia, Iowa
	U.S. Pipe & Foundry Co.	AWWA C151, Class 54, Push On/MJ PIPE	USA (Alabama)	Location of general office: Alabama
RESTRAINED JOINT PIPE	ACIPCO	AWWA C151, Class 54	USA (Alabama)	Manufacturing location: Alabama
	Clow Corp (McWane)	AWWA C151, Class 54, Superlock	USA (Iowa)	Manufacturing location: Iowa
	U.S. Pipe & Foundry Co.	AWWA C151, Class 54, TR-Flex	USA (Alabama)	Manufacturing location: Alabama
	Griffin Pipe Products, Inc.	AWWA C151, Class 54, Snap-Lok	USA (Illinois)	Manufacturing locations: Virginia, Iowa
PRESTRESSED CONCRETE CYLINDER PRESSURE PIPE	Hanson Pipe (Price Brothers)	AWWA C-301	USA (Ohio)	Manufacturing location: Ohio
	Vianini	AWWA C-301	USA (New Jersey)	Manufacturing location: New Jersey
DUCTILE IRON MJ FITTINGS	ACIPCO	AWWA C153, CL350, AWWA C110, CL250	USA (Alabama)	Manufacturing location: Alabama
	Clow Corp (McWane)	AWWA C153, CL350, AWWA C110, CL250	USA (Iowa)	Manufacturing location: Iowa
	Metalfit	AWWA C153, CL350, AWWA C110, CL250	USA (Colorado)	Manufacturing location: Mexico
	Star Pipe Products	AWWA C153, CL350, AWWA C110, CL250	USA (Texas)	Manufacturing locations: Indiana and Texas
	Tyler Pipe Industries (McWane)	AWWA C153, CL350, AWWA C110, CL250	USA (Texas)	Manufacturing location: Texas
	U.S. Pipe & Foundry Co. Infact Corporation	AWWA C153, CL350, AWWA C110, CL250 Foster Adapter	USA (Alabama) USA (Tennessee)	Manufacturing location: Alabama Manufacturing location: Tennessee
BOLTED COUPLINGS	JCM Industries	No. 210 and No. 212	USA (Texas)	Manufacturing location: Nash, Texas
	Smith Blair - USA Only	No. 441 (2"-16"); No. 411 (18" and larger); No. 413 (transition)	USA (Arkansas)	Manufacturing location: Arkansas only; not China
	Dresser Pipe Specialties	Style 253 (2"-16"), Style 38 (18" and larger)	USA (Texas)	Manufacturing location: Pennsylvania
	Ford	Style FC Series	USA (Indiana)	Manufactured in the USA
	Mueller	Viking Johnson bolt on couplings	USA (Illinois)	Manufacturing location: Tennessee
	Powerseal Pipeline Products	Model 3501	USA (Texas)	Manufacturing location: Texas
	Romac	Model 501	USA (Washington)	Manufacturing location: USA (ARRA statement of compliance)
	JOINT RESTRAINT	EBBA Iron Sales, Inc.	Series 1100 Megalug for MJ fitting restraint	USA (Texas)
EBBA Iron Sales, Inc.		Series 1700 Megalug for push on pipe restraint	USA (Texas)	Parts and products manufactured in USA
Ford Meter Box Co.		Series 1400 Uni-Flange for MJ fitting restraint	USA (Indiana)	Some parts/product imported, didn't specify
Ford Meter Box Co.		Series 1450 Uni-Flange for push on pipe joint	USA (Indiana)	Some parts/product imported, didn't specify
Romac		Style 612 for MJ fitting restraint	USA (Washington)	Manufacturing location: USA (ARRA statement of compliance)
Romac		Style 611 for push on pipe restraint	USA (Washington)	Manufacturing location: USA (ARRA statement of compliance)
Star Pipe Products Star Pipe Products		Stargrip Series 3000 for MJ fitting restraint Stargrip Series 3100P for push on pipe restraint	USA (Texas) USA (Texas)	Manufacturing locations: Indiana and Texas Manufacturing locations: Indiana and Texas

TAPPING SLEEVES	Ford JCM Industries Powerseal Pipeline Products Romac Smith Blair - USA Only	“FTSS, FAST” style, all stainless steel incl. flange Model 432 and 452 all stainless steel incl. flange Models 3480 or 3490, stainless steel incl. flange All stainless steel Models 663 or 665, all stainless steel incl. flange	USA (Indiana) USA (Texas) USA (Texas) USA (Washington) USA (Arkansas)	Manufactured in the USA Headquarters location Manufacturing Location: Texas Corporate Office Location: Washington Manufacturing location: Arkansas only; not China
TAPPING GATE VALVES Resilient Seat	Clow Corp. (McWane) Kennedy Valve Mfg. Co. (McWane) Mueller Co. Mueller Co. U.S. Pipe & Foundry Co. American Flow Control AVK Valves	AWWA C509, C-950, F-6114 AWWA C509, No. 8950 AWWA C515, No. 7950 (Typo in Brochure) AWWA C509, T-2360 - Cast Iron AWWA C509, T-2362 - Full Wall Ductile Iron AWWA C509, Metroseal No. 5860 AWWA C509, Series 2500 AWWA C509, Series 45	USA (Iowa) USA (New York) USA (New York) USA (Illinois) USA (Illinois) USA (Alabama) USA (Minnesota) USA (Nevada)	Manufacturing location: Iowa Manufacturing location: New York Manufacturing location: New York Manufacturing location: Tennessee Manufacturing location: Tennessee Manufacturing location: Alabama Manufacturing locations: Minnesota and Texas Manufacturing location: Nevada
GATE VALVES Resilient Seat	American Flow Control Clow Corp (McWane) Kennedy Valve (McWane) Mueller U.S. Pipe & Foundry AVK Valves	AWWA C515, Series 2500 – Reduced Wall D.I. AWWA C509, Series 2633/2640 – C.I. or Full D.I. AWWA C515, Series 2638 – Reduced Wall D.I. AWWA C509, Series 8571 AWWA C515, Series 7571 – Reduced Wall D.I. AWWA C509, Series 2360 – Cast Iron AWWA C515, Series 2361 – Reduced Wall D.I. AWWA C509, Series 2362 – Ductile Iron AWWA C509, Series A-USPO – Cast Iron AWWA C515, Series A-USPI – Red. Wall D.I. AWWA C509, Series 45 – Full Wall Ductile Iron	USA (Minnesota) USA (Iowa) USA (New York) USA (Illinois) USA (Alabama) USA (Nevada)	Manufacturing locations: Minnesota and Texas Manufacturing location: Iowa Manufacturing location: New York Manufacturing location: Tennessee Manufacturing location: Alabama Manufacturing location: Nevada
BUTTERFLY VALVES	Pratt Co. Clow Corp. (McWane) Kennedy (McWane) Mueller Co.	AWWA C504, Groundhog AWWA C504, Style 4500 AWWA C504, Model 4500 AWWA C504, Linseal III 150B, Linseal XPII 250B	USA USA (Iowa) USA (New York) USA (Illinois)	Manufacturing locations: Illinois and Indiana Manufacturing location: Iowa Manufacturing location: New York Manufacturing location: Tennessee
GATE BOXES	Bibby Ste. Croix East Jordan Iron Works (LeBaron Foundry)	ASTM A48, MDC “Dwyer” Style, Domestic, cover 8-3/8” or 6-3/8” and must read “water” ASTM A48, MDC “Dwyer” Style, Domestic, cover 8-3/8” or 6-3/8” and must read “water”	USA based company USA (Michigan)	Manufacturing location: Canada Manufacturing locations: Michigan and Massachusetts
GATEBOX EXTENSIONS	Bibby Ste. Croix Bingham & Taylor East Jordan Iron Works (LeBaron Foundry) Turner - Not for New Construction	ASTM A48, MDC “Dwyer” Style, Domestic ASTM A48, MDC “Dwyer” Style, Domestic ASTM A48, MDC “Dwyer” Style, Domestic Polyethylene	USA based company USA (Virginia) USA (Massachusetts) USA (Texas)	Manufacturing location: Canada Manufacturing location: USA Manufacturing location: Massachusetts Manufacturing location: Texas

REPAIR CLAMPS & COUPLINGS	Dresser Pipe Specialties	Style 360 wrap around repair clamp	USA (Texas)	Manufacturing location: Bradford, Pennsylvania
	Ford	Style FS Series	USA (Indiana)	Manufactured in the USA
	Powerseal Pipeline Products	Model 3122AS HP	USA (Texas)	Manufacturing location: Wichita Falls, Texas
	Romac	Model SS1, SS2	USA (Washington)	Manufacturing location: Bothel, Washington
	Smith Blair - USA Only	No.'s 226, 227, 228 wrap around repair clamp	USA (Arkansas)	Manufacturing location: Arkansas only; not China
	JCM Industries Mueller	JCM 101 Model 500 - 540	USA (Texas) USA (Tennessee)	Manufacturing location: Nash, Texas Manufacturing location: Cleveland, Tennessee
HYDRANTS	American Darling Valve (American Flow)	AWWA C502 and ULFM C550, B-84-B5, open left, red with yellow bonnet, 3-way nst	USA (Alabama)	Manufactured location: Texas
	Kennedy (McWane)	AWWA C502 and ULFM C550, K-81-A,D Guardian, open left, red with yellow bonnet, 3-way nst	USA (New York)	Manufacturing location: New York
	Mueller	AWWA C502 and ULFM C550, A-423, Super Centurian 250, open left, red with yellow bonnet, 3-way nst	USA (Alabama)	Manufacturing location: Tennessee
CORPORATION	Ford (Domestic) McDonald (Domestic) Mueller (Domestic)	AWWA C800 and ASTM B-62, Outlet Ball Type AWWA C800 and ASTM B-62, Outlet Ball Type AWWA C800 and ASTM B-62, Outlet Ball Type, No. B25008 or H15008	USA (Indiana) USA (Iowa) USA (Illinois)	Manufactured in the USA Manufacturing location: Iowa Manufacturing location: Tennessee
	<i>Corporations for Air Valves to be rated 250 psi minimum.</i>			
CURB STOP	Ford (Domestic) McDonald (Domestic) Mueller (Domestic)	AWWA C800 and ASTM B-62, Compression-Ball AWWA C800 and ASTM B-62, Compression-Ball AWWA C800 and ASTM B-62, Compression-Ball Type; B25209 or H15209	USA (Indiana) USA (Iowa) USA (Illinois)	Manufactured in the USA Manufacturing location: Iowa Manufacturing location: Tennessee
	CURB BOX or SERVICE BOX and ROD	Bibby Ste. Croix Clow (Canada) Ford (Domestic) Mueller (Domestic)	USA based company	Manufacturing location: Canada
			CANADA (New Brunswick)	Manufacturing location: Canada
USA (Indiana) USA (Illinois)			Manufactured in the USA Manufacturing location: Tennessee	
COPPER TUBING	Cambridge Lee Industries	ASTM B 88-96, Type "K" soft	USA (Massachusetts)	Manufacturing location: Massachusetts
	Cerro	ASTM B 88-96, Type "K" soft	USA (Missouri)	Manufacturing location: Missouri
	Weiland Werke (Halstead)	ASTM B 88-96, Type "K" soft	USA (North Carolina)	Facility/Manufacturing: North Carolina
	Howell Metal Company	ASTM B 88-96, Type "K" soft	USA (Virginia)	Manufacturing location: Virginia
	Mueller	ASTM B 88-96, Type "K" soft	USA (Illinois)	Manufacturing location: Tennessee
BRASS SERVICE FITTINGS	Ford (Domestic) McDonald (Domestic) Mueller (Domestic)	AWWA C800 and ASTM B-62 Compression AWWA C800 and ASTM B-62 Compression AWWA C800 and ASTM B-62 Compression	USA (Indiana) USA (Iowa) USA (Illinois)	Manufactured in the USA Manufacturing location: Iowa Manufacturing location: Tennessee

BACKFLOW PREVENTERS	Conbraco Febco Flowmatic Watts Wilkins	AWWA C510, C511 and ASSE AWWA C510, C511 and ASSE AWWA C510, C511 and ASSE AWWA C510, C511 and ASSE AWWA C510, C511 and ASSE	USA (South Carolina) USA (California) USA (New York) USA (Massachusetts) USA (California)	Manufacturing location: South Carolina Headquarters location Manufacturing location: New York Manufacturing location: Massachusetts Manufacturing location: California
DETECTOR CHECK VALVES	Hersey	Model EDC III (operated by a weighted lever)	USA (North Carolina)	Manufacturing location: North Carolina
METER BOXES (5/8" – 2" meters)	Ford QWP (Quality Water Products)		USA (Indiana) USA (Massachusetts)	Manufactured in the USA Manufacturing location: Massachusetts
MANHOLE FRAME, COVER and RISER RINGS	Bibby Ste Croix LeBaron Foundry Co. Neenah Foundry Co. Turner - Not for New Construction	ASTM A48/A48M, AASHTO M-105-96, Domestic, 24-1/4" cover opening with standard 36" frame and old style 24" frame Polyethylene Manhole Riser	USA based company USA (Massachusetts) USA (Wisconsin) USA (Texas)	Manufacturing location: Canada Manufacturing location: Massachusetts Manufacturing location Manufacturing location: Texas
GEOTEXTILE for EROSION CONTROL Woven Filter Fabric	Mirafi, Inc. (TenCate) Contech (Propex; Synthetic Ind.) Thrace-LINQ Thrace-LINQ Carthage Mills Mutual Industries, Inc. US Fabrics	FW500 or FW700 104F GTF 180SF GTF 190SF FX-11 or FX-11M MISF 180 Spec. US 670 or US 830	USA (Georgia) USA (Connecticut) USA (South Carolina) USA (South Carolina) USA (Ohio) USA (Pennsylvania) USA (Ohio)	Manufacturing location: Georgia Manufacturing location: Massachusetts Manufacturing location: South Carolina Manufacturing location: South Carolina Manufacturing location: Ohio Manufacturing location: Pennsylvania Manufacturing location: Ohio