



PRODUCTS APPROVED FOR USE BY THE CITY OF ROCHESTER, NY - WATER BUREAU, 4th Edition - December 2010

All products that come into contact with drinking water shall be certified for conformance with American National Standards Institute/National Sanitation Foundation Standard 61 (ANSI/NSF-61) by an ANSI approved third party certification program or laboratory.

This list will be updated periodically. Materials must be on the current edition of this list at the time of use. Contact the Managing Engineer of the Water Bureau @ (585) 428-7569 for verification of current edition of this list.

PRODUCT	CITY SPEC.	NSF 61 CERT. REQD.?	MANUFACTURER	MODEL/STYLE	NSF 61 CERT. LAB	DESCRIPTION/COMMENTS
Bituminous Coating	S900 S962 S966 S968	No	Polyguard	CA-9 Corrosion Control Coating, single component, cold applied, solvent release bitumen coating	N/A	
Restraint Devices (Ductile Iron Pipe)	S900	No	EBAA	Megalug Series 1100 (MJ Fitting to DI Pipe), Megalug Series 1700 (D.I. Push-On Pipe Harness)	N/A	Fusion bonded epoxy coated body and glands, fluorocarbon coated hardware.
		No	Ford Meter Box Co.	Uniflange Series 1400 (MJ Fitting to D.I. Pipe), Uniflange Series 1450 (D.I. Push-on Pipe Harness)	N/A	Fusion bonded epoxy coated body and glands, fluorocarbon coated hardware.
Restraint Devices (PVC Pipe)	S900	No	EBAA	Megalug Series 2000PV (MJ Fitting to PVC Pipe), Series 2500 (PVC Pipe to PVC Fitting), Series 1500 (PVC Push-On)	N/A	Fusion bonded epoxy coated body and glands, fluorocarbon coated hardware.
		No	Ford Meter Box Co.	Uniflange Series 1500 (MJ Fitting to PVC Pipe), Series 1360 (PVC Pipe to PVC Fitting), Series 1390 (PVC Push-On)	N/A	Fusion bonded epoxy coated body and glands, fluorocarbon coated hardware.
Restraint Devices (PVCO Pipe)	S900	No	EBAA	Megalug Series 2000PV (MJ Fitting to PVCO), Series 2500 (PVCO to PVC Fitting), Series 1500 (PVCO Push-on)	N/A	Fusion bonded epoxy coated body and glands, fluorocarbon coated hardware. See PVCO pipe M.J. torque recommendations
		No	Ford Meter Box Co.	Uniflange Series 1500 (MJ Fitting to PVCO Pipe), Ser. 1360 (PVCO Pipe to PVC Fitting), Ser. 1390 (PVCO Push-On)	N/A	Fusion bonded epoxy coated body and glands, fluorocarbon coated hardware. See PVCO pipe M.J. torque recommendations
T-Bolts and Nuts	S900	No	Birmingham Fastener Manufacturing	Fluorocarbon Coated T-Head Bolts and Nuts, Blue	N/A	
		No	NSS Industries	Cor-Blue T-Bolts and Nuts	N/A	

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Warning Tape	S900	No	Presco	3" Wide Detectable Underground Warning Tape	N/A	Blue, imprinted with "CAUTION WATER LINE BURIED BELOW".
		No	Pro-Line	3" Wide Detectable Underground Warning Tape	N/A	Blue, imprinted with "CAUTION WATER LINE BURIED BELOW".
		No	Terra Tape	3" Wide Sentry Line Detectable	N/A	Blue, imprinted with "CAUTION WATER LINE BURIED BELOW".
Fittings - Ductile Iron	S901	Yes	Clow Water Systems Co.	M.J. Full Body (AWWA C110) or Compact (AWWA C153), SBR gaskets. Nitrile gaskets to be used in potential petroleum contaminated soils.	UL	Double thickness cement mortar lining w/ asphalt coating.
		Yes	Tyler Union	M.J. Full Body (AWWA C110) or Compact (AWWA C153), SBR gaskets. Nitrile gaskets to be used in potential petroleum contaminated soils.	UL	Epoxy coated or double thickness cement mortar lining w/ asphalt coating.
Fittings - PVC	S901	Yes	Harrington Corporation - HARCO	PVC C907 Pressure Fittings, Injection Molded, 4"-8"	NSF	
		Yes	IPEX	Blue Brute AWWA C907 PVC Injection Molded, 4"-8"	NSF	
Petrolatum/Petroleum Wax Tape System	S901	No	Petro Coating Systems (PCS)	Primer Paste, Petro Mastic, Standard PT Tape	N/A	
		No	The Trenton Corporation	Wax Tape Primer, Fill-Putty, #1 Wax Tape	N/A	
Pipe - Anchor Pipe	S901	Yes	Tyler Union	Swivel x Swivel or Swivel x Solid -Full body or compact styles	UL	Tees, ells and adapters epoxy coated or cement mortar lining w/ asphalt coating.

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Pipe - Ductile Iron	S901	Yes	Clow Water Systems Co.	Tyton Joint Pipe, 4"-24", SBR gaskets. Nitrile gaskets to be used in potential petroleum contaminated soils.	UL	Class 52 (domestic system) and Class 56 (Holly system), double thickness cement lined asphalt coated.
		Yes	Griffin Pipe Products	Tyton Joint Pipe, 4"-24", SBR gaskets. Nitrile gaskets to be used in potential petroleum contaminated soils.	NSF	Class 52 (domestic system) and Class 56 (Holly system), double thickness cement lined asphalt coated.
		Yes	U.S. Pipe & Foundry	Tyton Joint Pipe, 4"-24", SBR gaskets. Nitrile gaskets to be used in potential petroleum contaminated soils.	NSF	Class 52 (domestic system) and Class 56 (Holly system), double thickness cement lined asphalt coated.
Pipe - PVC	S901	Yes	IPEX	Blue Brute, 4"-12"	NSF	AWWA C900, DR 14, Pressure Class 305, SBR gaskets unless otherwise noted
		Yes	JM Eagle	Blue Brute C900, 4"-12"	NSF	AWWA C900, DR 14, Pressure Class 305, SBR gaskets unless otherwise noted
Pipe - PVCO	S901	Yes	IPEX	Bionax CIOD Gasketed PVCO Pressure Pipe, 4"-12"	NSF	AWWA C909, Pressure Class 235, SBR gaskets unless otherwise noted.
		Yes	JM Eagle	Ultra-Blue C909, 6"-12"	NSF	AWWA C909, Pressure Classes 235 and 305, SBR gaskets unless otherwise noted. Note recommended bolt torque for M.J. fittings
Polyethylene Tube Encasement	S901	No	All American Poly		N/A	
		No	Repcor, Inc.		N/A	
Tracer Wire (Open Cut)	S901	No	Pro-Line Safety Products	PE 30 Tracer Wire, #12 AWG solid, 30 mil blue HMWPE insulation	N/A	
		No	Kris-Tech Wire Company	#12 AWG solid, 30 mil blue HMWPE insulation	N/A	

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Tracer Wire (Trenchless)	S901	No	Copperhead Industries LLC	#12 AWG solid, steel core, copper clad, 45 mil blue HDPE insulation.	N/A	
Tracer Wire Splices (Connection of Service Wire to Main Wire)	S901	No	King Innovation	Dryconn Direct Bury Splice Lug	N/A	For use in connecting service tracer wire with main tracer wire without cutting main wire.
		No	Blackburn	Bronze Split Bolt Connector, Range for Equal Main and Tap Conductor = #10 Str. - #12 Solid, Model No. E9H25	N/A	
Tracer Wire Splices (Single Wire Continuation)	S901	No	King Innovation	Dryconn DBSR Aqua	N/A	For use in connecting adjacent single wire along main run
Tracer Wire Termination Boxes	S901	No	Bingham & Taylor	Style P445 DT for unpaved surfaces, w/"Water Test" cover,	N/A	Furnish with terminal board having min. of 2 stainless steel terminal connections.
Gate Valves (16"-24")	S903	Yes	Clow Valve Company	AWWA C515 Resilient Wedge, MJxMJ, Model 2638, 16"-24"	NSF	Open right, stainless steel bonnet bolts & nuts. Gland hardware to be fluorocarbon coated.
Gate Valves (4"-12")	S903	Yes	Clow Valve Company	AWWA C509 Resilient Wedge, MJxMJ, Model 2639, 4"-12"	NSF	Open right, stainless steel bonnet bolts & nuts. Gland hardware to be fluorocarbon coated.
		Yes	Kennedy Valve	AWWA C509 Resilient Wedge, MJxMJ, Model KS-FW, 4"-12"	NSF	Open right, stainless steel bonnet bolts & nuts. Gland hardware to be fluorocarbon coated.
		Yes	Mueller Company	AWWA C509 Resilient Wedge, MJxMJ, Model A-2360	NSF	Open right, stainless steel bonnet bolts & nuts. Gland hardware to be fluorocarbon coated.
		Yes	U.S. Pipe Valve & Hydrant Division	AWWA C509 Resilient Wedge, MJxMJ, Model A-USPO	NSF	Open right, stainless steel bonnet bolts & nuts. Gland hardware to be fluorocarbon coated.

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Tapping Sleeves (Ductile or Cast Iron)	S904	Yes	Mueller Company	H615/H616 (≤ 24"); T-9 (30", 36"). Sleeve shall be ordered to fit outside diameter (O.D.) of pipe being tapped.	NSF	Pipe O.D. measurements are recommended when tapping pit cast iron pipe (Classes A thru D). Hardware to be fluorocarbon coated.
		Yes	Tyler Union	Tyler Mechanical Joint Tapping Sleeve. Sleeve shall be ordered to fit outside diameter (O.D.) of pipe being tapped.	NSF	Pipe O.D. measurements are recommended when tapping pit cast iron pipe (Classes A thru D). Hardware to be fluorocarbon coated.
		Yes	U.S. Pipe Valve & Hydrant Division	H615/H616 ≤ 24". Sleeve shall be ordered to fit outside diameter (O.D.) of pipe being tapped.	NSF	Pipe O.D. measurements are recommended when tapping pit cast iron pipe (Classes A thru D). Hardware to be fluorocarbon coated.
Tapping Sleeves (Stainless Steel)	S904	Yes	Mueller Company	Model H-304SS Stainless Steel Tapping Sleeve (main sizes ≤ 24" with outlet sizes ≤ 12"). Stainless steel test plug, flange and hardware. Furnish with coated stainless steel nuts to prevent seizing and galling.	NSF	Not to be used when nominal size of tap is equal to nominal size of main. Pipe O.D. measurements are recommended when tapping pit cast iron pipe (Classes A thru D).
		Yes	PowerSeal Pipeline Products Corporation	Model 3490AS Stainless Steel Tapping Sleeve (main sizes ≤ 24" with outlet sizes ≤ 8"). Stainless steel test plug, flange and hardware. Stainless steel nuts to have fusion bonded coating to prevent seizing and galling.	Water Quality Association	Not to be used when nominal size of tap is equal to nominal size of main. Pipe O.D. measurements are recommended when tapping pit cast iron pipe (Classes A thru D).
		Yes	U.S. Pipe Valve & Hydrant Division	Model H-304SS Stainless Steel Tapping Sleeve (main sizes ≤ 24" with outlet sizes ≤ 12"). Stainless steel test plug, flange and hardware. Furnish with coated stainless steel nuts to prevent seizing and galling.	NSF	Not to be used when nominal size of tap is equal to nominal size of main. Pipe O.D. measurements are recommended when tapping pit cast iron pipe (Classes A thru D).

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Tapping Valves	S904	Yes	Clow Valve Co.	AWWA C509, Model 2639, Figure F6114, MJ x Tapping Flange, Resilient Wedge Tapping Valve, 4"-12"	NSF	Open right, stainless steel bonnet bolts & nuts. Gland hardware to be fluorocarbon coated.
		Yes	Kennedy Valve	AWWA C509, KS-FW, MJ x Tapping Flange, Resilient Wedge Tapping Valve, 4"-12"	NSF	Open right, stainless steel bonnet bolts & nuts. Gland hardware to be fluorocarbon coated.
		Yes	Mueller Company	AWWA C509, Model T-2360, MJ x Tapping Flange Resilient Wedge Tapping Valve	NSF	Open right, stainless steel bonnet bolts & nuts. Gland hardware to be fluorocarbon coated.
		Yes	U.S. Pipe Valve & Hydrant Division	AWWA C509, Model T-USPO, MJ x Tapping Flange Resilient Wedge Tapping Valve	NSF	Open right, stainless steel bonnet bolts & nuts. Gland hardware to be fluorocarbon coated.
Cutting - In Valves	S905	Yes	Clow Valve Company	AWWA C509, Model 2639, Figure F-6111 Cutting-in Resilient Wedge Gate Valve, 4"-12"	NSF	Open right, stainless steel bonnet bolts & nuts. Gaskets for std. & oversized pipe. Gland hardware to be fluorocarbon coated.
		Yes	Kennedy Valve	AWWA C509, Model KS-FW, 8576SS Std. Resilient Wedge Gate Valve, 4"-12"	NSF	Open right, stainless steel bonnet bolts & nuts. Gaskets for std. & oversized pipe. Gland hardware to be fluorocarbon coated.
		Yes	Mueller Company	AWWA C509, C-2360 Resilient Wedge Cut-In Valve, 4"-8"	NSF	Open right, stainless steel bonnet bolts & nuts. Gaskets for std. & oversized pipe. Gland hardware to be fluorocarbon coated.
		Yes	U.S. Pipe Valve & Hydrant Division	AWWA C509, C-USPO Resilient Wedge Cut-In Valve, 4"-8"	NSF	Open right, stainless steel bonnet bolts & nuts. Gaskets for std. & oversized pipe. Gland hardware to be fluorocarbon coated.
Cutting -In Sleeves	S905	Yes	Clow Water Systems Co.	MJxPE Dual Purpose Cutting-in Sleeve	UL	Furnish with appropriate gaskets to connect to standard and oversized iron pipe. Hardware to be fluorocarbon coated
		Yes	Mueller Company	H-842/H-841 Cutting-in Sleeve	NSF	Furnish with appropriate gaskets to connect to standard and oversized iron pipe. Hardware to be fluorocarbon coated
		Yes	Tyler Union	MJxPE Dual Purpose Cutting-in Sleeve (Tyler Pattern)	UL	Furnish with appropriate gaskets to connect to standard and oversized iron pipe. Hardware to be fluorocarbon coated

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Insertion Coupling - PVC	S906	Yes	Harrington Corporation - HARCO	Injection Molded Repair Coupling, 4"-8"	NSF	
		Yes	IPEX	Injection Molded Repair Coupling, 4"-8"	NSF	
Insertion Sleeve - Ductile Iron Mechanical Joint (Less Than 24" Diameter)	S906	Yes	Clow Water Systems Co.	MJ Dual Purpose Solid Sleeve, Long Body, less than 24" diameter.	UL	Double thickness cement mortar lining w/ asphalt coating. Hardware to be fluorocarbon coated.
		Yes	Tyler Union	MJ Dual Purpose Solid Sleeve, Long Body, less than 24" diameter.	UL	Epoxy coated or double thickness cement mortar lining w/ asphalt coating. Hardware to be fluorocarbon coated
Insertion Sleeve - Bolted Sleeve Type Coupling (24" Diameter and Larger)	S906	Yes	Smith Blair, Inc.	Style 411 (Straight), Style 413 (Transition), Style 415 (Reducing), length of center sleeve to be $\geq 10"$	NSF	Epoxy coated. Hardware to be fluorocarbon coated
Valve Box	S909	No	Bibby Ste-Croix, USA	5 $\frac{1}{4}"$, 2 Piece Slide Style, flange on top section approximately 2" to 3" below top of top section.	N/A	"Water" Cover
		No	Bingham & Taylor	5 $\frac{1}{4}"$, Buffalo Style Slip Type, 2 Piece, Fig. No. 4908, flange on top section approximately 2" to 3" below top of top section.	N/A	"Water" Cover
Pitometer Ball Valve (for Ductile Iron or Cast Iron Pipe)	S911	No	Ford Meter Box Co.	B11-455, 1" valve with 1 $\frac{1}{4}"$ FIP inlet and outlet and HP-4 brass angled handle, cotter pin & stainless steel operating rod.	N/A	
Pitometer Ball Valve (for PVC/PVCO Pipe)	S911	No	Ford Meter Box Co.	B81-455, 1" valve with 1 $\frac{1}{4}"$ MIP inlet x 1 $\frac{1}{4}"$ FIP outlet and HP-4 brass angled handle, cotter pin & stainless steel operating rod.	N/A	Provide brass bushing on outlet, 1 $\frac{1}{2}"$ MIP x 1 $\frac{1}{4}"$ FIP (Ford C18-56).
Pitometer Corporation Stop (Ductile Iron or Cast Iron Pipe)	S911	No	Ford Meter Box Co.	F800-4-REAM-1-015" - CIDS# 11433, plug style, 1" AWWA inlet x 1 $\frac{1}{4}"$ MIP outlet	N/A	Must use 1" drill bit when installing in service saddle.
		No	Mueller Company	H-9992, plug style, 1" AWWA inlet x 1 $\frac{1}{4}"$ MIP outlet	N/A	Must use 1" drill bit when installing in service saddle.

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Pitometer Corporation Stop (for PVC/PVCO Pipe)	S911	No	A.Y. McDonald	3148B, ball style, 1½" AWWA inlet x 1½" FIP outlet.	N/A	Must be installed in service saddle. Use 1¾" min. dia. shell cutter.
		No	Cambridge Brass	301-A6F6, Ball Style, 1½" AWWA inlet x 1½" FIP outlet	N/A	Must be installed in service saddle. Use 1¾" min. dia. shell cutter.
		No	Ford Meter Box Co.	FB1600-6 Ball Style, 1½" AWWA inlet x 1½" FIP outlet	N/A	Must be installed in service saddle. Use 1¾" min. dia. shell cutter.
		No	Mueller Company	B-20045 Ball Style, 1½" AWWA inlet x 1½" FIP outlet	N/A	Must be installed in service saddle. Use 1¾" min. dia. shell cutter.
Pitometer Tap Valve Box	S911	No	Bibby Ste-Croix, USA	7" Valve Box, 3 Piece Screw Type	N/A	"Water" Cover, #6 Base
		No	Bingham & Taylor	7" Shaft, 3 Piece Screw Type, Fig. No. 5001	N/A	"Water" Cover, No. 6 Round Base.
Corporation Stop (AWWA x Copper Flare) for Copper Services	S912	Yes	A.Y. McDonald	4701B, Ball Style, ¾", 1"; 74701B Ball Style, 1½", 2"	Truesdail	No Lead Brass required for products larger than 1"
		Yes	Cambridge Brass	301, Ball Style, ¾", 1", 1½": 301NL, Ball Style, 2"	CSA	Non-Lead Brass required for products larger than 1½"
		Yes	Ford Meter Box Co.	FB600, Ball Style, ¾", 1"; FB600-K or No Lead, 1½", 2"	UL	Kunkel Process or No Lead Brass required for products larger than 1"
		Yes	Mueller Company	B-25000, Ball Style, ¾", 1"; B-25000N Ball Style, 1½", 2"	UL	Low Lead Brass required for products larger than 1".

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Corporation Stop (AWWA x PE Compression) for Polyethylene Services	S912	Yes	A.Y. McDonald	4701BQ, Ball Style, 1", 1" (w/1" inlet x 1¼ outlet) ; 74701BQ, Ball Style, 2"	Truesdail	No Lead Brass required for products larger than 1". Stainless steel insert reqd. for all sizes.
		Yes	Cambridge Brass	301 CB Comp. Ball Style, 1"; 301NL CB Comp. Ball Style, 2"	CSA	Non-Lead Brass required for products larger than 1½". No 1"x1¼" ball corp. Stainless steel insert reqd. for all sizes.
		Yes	Ford Meter Box Co.	FB1000-Q Ball Style, 1", 1" (w/1" inlet x 1¼" outlet); FB1000-Q-K or No Lead Ball Style for 2"	UL	Kunkel Process or No Lead Brass required for products larger than 1". Stainless steel insert reqd. for all sizes.
		Yes	Mueller Company	B25008 110 Comp. Ball Style, 1" B25008N 110 Comp. Ball Style, 2"	UL	Low Lead Brass required for products larger than 1". No 1"x1¼" corp. Stainless steel insert reqd. for all sizes.
Drilling Machines & Shell Cutters for Small Service/Pito Tap Connections to PVC/PVCO Pipe	S912	No	Ford Meter Box Co.	Model 77 Drilling Machine w/PVC shell cutters: 7⁄8" cutter for 1" saddle, 1¾" cutter for 1½" saddle (pito tap), 1⅞" cutter for 2" saddle.	N/A	PVC Shell cutters to have 2 slots min. and shall be capable of retaining the cut coupon
		No	Mueller Company	E-5 Drilling Machine w/PVC shell cutters: 7⁄8" cutter for 1" saddle, 1-7/16" cutter for 1½" saddle (pito taps), 1¾" cutter for 2" saddle.	N/A	PVC Shell cutters to have 2 slots min. and shall be capable of retaining the cut coupon
		No	Reed Manufacturing	CDTM2100 Series Drilling Machine w/PVC shell cutters: 7⁄8" cutter for 1" saddle, 1-7/16" cutter for 1½" saddle (pito tap), 1¾" for 2" saddle.	N/A	PVC Shell cutters to have 2 slots min. and shall be capable of retaining the cut coupon

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Service Saddle (Ductile Iron/Cast Iron Pipe)	S912	Yes	A.Y. McDonald	Model 3825 double bronze strap, AWWA taper threads, EPDM gasket. Not for use in potential petroleum contaminated soils.	Truesdail	Standard brass NSF 61 certified for all sizes. See specification/detail for table showing when saddles are required.
		Yes	Cambridge Brass	Series 810 double bronze strap, AWWA taper threads, Nitrile gasket. For use in both potential petroleum contaminated soils and non-petroleum contaminated soils.	CSA	Standard brass NSF 61 certified for all sizes. See specification/detail for table showing when saddles are required.
		Yes	Ford Meter Box Co.	Style 202B double bronze strap, AWWA taper threads, EPDM gasket. Not for use in potential petroleum contaminated soils.	UL	Standard brass NSF 61 certified for all sizes. See specification/detail for table showing when saddles are required.
		Yes	Mueller Company	BR2B Series double bronze strap, AWWA taper threads, Nitrile gasket. For use in both potential petroleum contaminated soils and non-petroleum contaminated soils.	NSF	Standard brass NSF 61 certified for all sizes. See specification/detail for table showing when saddles are required.
Service Saddle (PVC/PVCO Main)	S912	Yes	A.Y. McDonald	Model 3895 brass hinged/Model 3805 brass bolted, for C900 PVC, AWWA taper thread outlet, EPDM gasket	Truesdail	Standard brass NSF 61 certified for all sizes. Service saddles required for all taps on PVC/PVCO pipe.
		Yes	Cambridge Brass	Series 800 brass hinged for C900, AWWA taper thread outlet, Nitrile gasket	CSA	Standard brass NSF 61 certified for all sizes. Service saddles required for all taps on PVC/PVCO pipe.
		Yes	Ford Meter Box Co.	Style S90 Design A brass hinged or bolted for C900 PVC, AWWA taper thread outlet, EPDM gasket	UL	Standard brass NSF 61 certified for all sizes. Service saddles required for all taps on PVC/PVCO pipe.
		Yes	Mueller Company	S-13000/H13000 Series hinged or bolted for C900 PVC, AWWA taper thread outlet, Nitrile gasket	NSF	Standard brass NSF 61 certified for all sizes. Service saddles required for all taps on PVC/PVCO pipe.

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Service Tubing - Copper	S913	Yes	Cambridge-Lee Industries, LLC	Copper Water Tube, Type K, ASTM B88, ¾", 1", 1½", 2"	NSF	
		Yes	Cerro Flow Products, Inc.	Copper Water Tube, Type K, ASTM B88, ¾", 1", 1½", 2"	NSF	
		Yes	KobeWieland Copper Products, Inc.	Copper Water Tube, Type K, ASTM B88, ¾", 1", 1½", 2"	UL	
		Yes	Mueller Industries	Streamline Copper Water Tube, Type K, ASTM B88, ¾", 1", 1½", 2".	NSF	
Service Tubing - Polyethylene	S913	Yes	Charter Plastics	SDR-9 CTS O.D., 200 psi, Blue Ice tubing, 1", 1¼", 2", blue outer layer	NSF	
		Yes	Endot Industries	SDR-9 CTS O.D., 200 psi, EndoPure Tubing, 1", 1¼", 2", blue outer layer	NSF	Listed under NSF-14
		Yes	Oil Creek Plastics	SDR-9 CTS O.D., 200 psi, Aqua-Blue Tubing, 1", 1¼", 2", blue outer layer	NSF	Listed under NSF-14

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Service Tubing/Pipe Couplings to Connect New Copper Water Service to Existing Service	S913	Yes	A.Y. McDonald	4758 series (3 part - flare copper x flare copper), 4758C-55 series (flare copper x pack joint iron), 4758C-66,67,68 series (flare copper x pack joint lead).	Truesdail	No Lead Brass required for products larger than 1"
		Yes	Ford Meter Box Co.	C22-series (3 part - flare copper x flare copper), C25 series (flare copper x pack joint iron through 1"), C45-series (pack joint copper x pack joint iron for 1½" and 2"), Lead-Pak series (flare copper x pack joint lead, through 1" and pack joint copper x pack joint lead for 1½" & 2").	UL	Kunkel Process or No Lead Brass required for products larger than 1"
		Yes	A.Y. McDonald	4758Q series (McQuick Compression CTS PE x McQuick Compression CTS PE, McQuick Compression CTS PE x McQuick Compression flare copper, McQuick Compression CTS PE x pack joint iron or 4758 series pack joint CTS PE x pack joint iron), Mac-Pak series (pack joint CTS PE x pack joint lead).	Truesdail	No Lead Brass required for products larger than 1". Stainless steel inserts reqd. for all sizes.
		Yes	Ford Meter Box Co.	C44-Q series (Quick Joint CTS PE x Quick Joint CTS PE and Quick Joint CTS PE x Quick Joint copper), C45 series (pack joint CTS PE x pack joint iron), Lead-Pak series (pack joint CTS PE x pack joint lead).	UL	Kunkel Process or No Lead Brass required for products larger than 1". Stainless Stl inserts reqd. for all sizes.

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Curb Box	S914	No	Bibby Ste-Croix, USA	2½" Service Box, Screw Type with H.D. screw top, Fig. 95E, complete.	N/A	"Water" Cover, extends to 66 inches. Furnish enlarged base for use with 1½" & 2" curb stop.
		No	Bingham & Taylor	2½" Cast Iron Top/ABS Plastic Bottom Combination Curb Box, Screw Type, Fig. No. 7000, Size No. CIP 94F, complete.	N/A	"Water" Cover, extends to 64 inches. Furnish enlarged base for use with 1½" & 2" curb stop.
		No	Bingham & Taylor	2½" Cast Iron Curb Box, Screw Type, Fig. No. 4901-B, Size No. 94F, complete.	N/A	"Water" Cover, extends to 66 inches. Furnish enlarged base for use with 1½" & 2" curb stop.
Curb Stop (Copper Flare x Copper Flare) for Copper Services	S914	Yes	A.Y. McDonald	6100, ¾", 1"; 76100, 1½", 2" Furnish w/dielectric insulator on outlet	Truesdail	No Lead Brass required for products larger than 1".
		Yes	Cambridge Brass	202, ¾", 1", 1½"; 202NL, 2". Furnish w/dielectric insulator on outlet	CSA	Non-Lead Brass required for products larger than 1½".
		Yes	Ford Meter Box Co.	B22-SI, ¾", 1"; B22-SI-K or No Lead for 1½", 2". Furnish w/dielectric insulator on outlet	UL	Kunkel Process or No Lead Brass required for products larger than 1".
		Yes	Mueller Company	B-25204, ¾", 1"; B-25204N, 1½", 2". Furnish w/dielectric insulator on outlet	UL	Low Lead Brass required for products larger than 1".
Curb Stop (PE Compression x PE Compression) for Polyethylene Services	S914	Yes	A.Y. McDonald	6100Q, 1"; 76100Q, 1¼", 2"	Truesdail	No Lead Brass required for products larger than 1". Stainless steel inserts reqd. for all sizes.
		Yes	Cambridge Brass	202 CB Comp., 1", 1¼" 202NL CB Comp., 2"	CSA	Non-Lead Brass required for products larger than 1½". Stainless steel inserts reqd. for all sizes.
		Yes	Ford Meter Box Co.	B44-Q, 1"; B44-Q-K or No Lead for 1¼", 2"	UL	Kunkel Process or No Lead Brass required for products larger than 1". Stainless steel inserts reqd. for all sizes.
		Yes	Mueller Company	B-25209 110 Comp., 1"; B-25209N, 2"	UL	Low Lead Brass required for products larger than 1". No 1¼" curb stop. Stainless steel inserts reqd. for all sizes.
Inside Meter Setter (for relocating water meter on existing service)	S915	No	Ford Meter Box Co.	Handyhorn (HH Series) or Pretzelhorn (PH Series) setters w/ inlet-outlet pack joint connections	N/A	Handyhorns (5/8", 5/8"x3/4" and 3/4" meter sizes); Pretzlehorns (5/8", 5/8"x3/4", 3/4" and 1" meter sizes)

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PRODUCT	CITY SPEC.	NSF 61 CERT. REQD.?	MANUFACTURER	MODEL/STYLE	NSF 61 CERT. LAB	DESCRIPTION/COMMENTS
Temporary Bypass Pipe	S916	Yes	CertainTeed Corporation	Certa-Lok Yelomine Pipe; 2" through 6", restrained joint PVC Pressure Piping System, min. pressure class = 200 psi (SDR 21)	NSF	
Hydrants	S917	No	American AVK Co.	Series 2780 - Nostalgic Style Dry Barrel	N/A	5-6" min. bury depth for dom. system and 6'-0" min. for Holly system. One 4½" pumper con. & two 2½" hose con.
		No	Kennedy Valve	Guardian K81D	N/A	5-6" min. bury depth for dom. system and 6'-0" min. for Holly system. One 4½" pumper con. & two 2½" hose con.
		No	U.S. Pipe Valve & Hydrant	Metropolitan M-94	N/A	5-6" min. bury depth for dom. system and 6'-0" min. for Holly system. One 4½" pumper con. & two 2½" hose con.
Water Meter Vault - Precast Concrete	S920	No	Kistner Concrete Products, Inc.	Precast concrete, design loading: A.A.S.H.T.O. HS-20-44 with 30% impact and equivalent soil pressure of 130 psf. Bituminous coated exterior.	N/A	Furnish with galvanized ladder, "Ladder-Up" safety post, sump, access and pipe openings, aluminum hatch or cast iron manhole frame and cover.
		No	Lakelands Concrete Products, Inc.	Precast concrete, design loading: A.A.S.H.T.O. HS-20-44 with 30% impact and equivalent soil pressure of 130 psf. Bituminous coated exterior.	N/A	Furnish with galvanized ladder, "Ladder-Up" safety post, sump, access and pipe openings, aluminum hatch or cast iron manhole frame and cover.
Water Meter Vault - Aluminum Hatch for Lawn Areas	S920	No	Bilco	Aluminum hatch, Model J-2AL (30"), J-4AL (36"), J-5AL (42") and JD-2AL (48")	N/A	Reinforced for 300 lb./ft². Stainless steel hardware.
Water Meter Vault - Cast Iron Manhole Frame and Cover	S920	No	Neenah Foundry	Model R-1740-B (30" clear), R-1740-D (36" clear), R-1741-E (42" clear), R-1741-F (48" clear)	N/A	Heavy duty cast iron frame and cover. 42" and 48" clear sizes furnished with removable offset inner lid.
		No	Syracuse Castings	Pattern #1107 (30" clear), #1108A (36" clear), #4455 (42" clear)	N/A	Heavy duty cast iron frame and cover. 42" and 48" clear sizes furnished with removable offset inner lid.
Water Meter Vault - Interior Rising Stem Gate Valves	S920	Yes	Clow Valve Company	AWWA C509, Model 2639, Figure F-6136 OS&Y, flanged ends, Resilient Wedge Gate Valve, 4"-12"	NSF	Open left, stainless steel bonnet bolts & nuts. Furnish with handwheel.
		Yes	Kennedy Valve	AWWA C509, Model KS-FW, Fig. No. 8068A OS&Y, flanged ends, Resilient Wedge Gate Valve, 4"-12"	NSF	Open left, stainless steel bonnet bolts & nuts. Furnish with handwheel.

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Water Meter Plate Strainer	S920	Yes	Badger Meter, Inc.	Badger Bronze Plate Strainers, flanged ends, cast bronze (B81-NS) 4" & 6" or low lead alloy (LL-NS) 3", 4" and 6".	NSF	
		Yes	Neptune Technology Group	Neptune Plate Strainers 3"-10", flanged ends, No lead high copper alloy body	NSF	
		Yes	Sensus Metering Systems	Sensus Plate Strainers 3"-6", flanged ends, cast bronze body	NSF	
Water Meters (3" to 10") Compound, Turbo and Fire Service	S920	Yes	Varies	Varies	Varies	Meters are to be purchased from and picked up at the Water Bureau. Up to 6 week lead time for large meters.
Water Meter Vault - Locking Bleed Valve Assembly	S920	Yes	Ford Meter Box Co.	3/4" tapping saddle w/F.I.P outlet threads (Cat. #202B-IP3); 3/4" curb stop w/M.I.P. ends & padlock wings (Cat. #B88-333W)	N/A	
Water Meter Vault - Modular Seal for Pipe Openings in Vault Walls	S920	No	Pipeline Seal & Insulator, Inc.	Link-Seal Modular Seals, Model S-316 with EPDM seal elements and 316 Stainless Steel hardware.	N/A	
Bell Joint Clamp	S923	No	Dresser	Style 60	N/A	Furnish with fluorocarbon coated or stainless steel bolts & nuts.
		No	Smith Blair	Model 274	N/A	Furnish with fluorocarbon coated or stainless steel bolts & nuts.
Water Meter Pit (1" & Smaller) for Lawn Areas	S924	No	Ford Meter Box Co.	Plastic Pit Setter, tile diameter as required for meter size. 54" minimum service line depth.	N/A	Furnish with Ford Wabash Double Lid Covers, Model W32-T for 18" tile I.D., W3-T for 20" tile I.D. and W4-T for 21" tile I.D.
		No	A.Y. McDonald	Plastic Pit Setter, tile diameter as required for meter size. 54" minimum service line depth.	N/A	Furnish with A.Y. McDonald recessed cover with plastic inner lid, riser and frame, Model 74M32WTP for 18" tile I.D. and 74M4WTP for 21" tile I.D. For 24" tile, use A.Y. McDonald Monitor cover with inner frost lid, Model 74M24TP

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PRODUCT	CITY SPEC.	NSF 61 CERT. REQD.?	MANUFACTURER	MODEL/STYLE	NSF 61 CERT. LAB	DESCRIPTION/COMMENTS
Water Meter Pit (1½" & 2") for Lawn Areas	S924	No	Ford Meter Box Co.	Plastic Pit Setter, 36" diameter, 54" min. service line depth.	N/A	Furnish with Ford Monitor Cover with inner frost lid, Model MC-36-MB-T
		No	A.Y. McDonald	Plastic Pit Setter, 36" diameter, 54" min. service line depth.	N/A	Furnish with A.Y. McDonald Monitor Cover with inner frost lid, Model 74M36TP
Water Meters (5/8" - 2")	S924 S915	Yes	Varies	Varies	Varies	Meters are to be purchased from and picked up at the Water Bureau.
Thermite Weld Equipment/Mold	S962	No	Erico	Cadweld Weld Molds, CAHBA1L-PS - #4 AWG to iron pipe, CAHBA1G-PS - #8 thru #12 AWG to iron pipe	N/A	For attaching wire to ductile or cast iron pipe and fittings ≤ 24" dia. Use adapter sleeve (CAB-133-1H) for wire sizes 10 AWG and 12 AWG.
		No	Thermoweld	Thermo Mold CS-33 M159-PS - #4 AWG to iron pipe, CS-33 M156-PS - #8 thru #12 AWG to iron pipe	N/A	For attaching wire to ductile or cast iron pipe and fittings ≤ 24" dia. Use adapter sleeve (#38-0200-00) for wire sizes 10 AWG and 12 AWG
Thermite Weld Metal	S962	No	Erico	Cadweld CA25XF19 or CA25PLUSXF19 for #8 thru #12 AWG and CA45XF19 or CA45PLUSXF19 for #4 AWG	N/A	For attaching wire to ductile or cast iron pipe and fittings ≤ 24" dia. Use adapter sleeve (CAB-133-1H) for wire sizes 10 AWG and 12 AWG.
		No	Thermoweld	Thermoweld cartridge size 25CI for #8 thru #12 AWG and 45CI for #4 AWG	N/A	For attaching wire to ductile or cast iron pipe and fittings ≤ 24" dia. Use adapter sleeve (#38-0200-00) for wire sizes 10 AWG and 12 AWG
Joint Bond Wire	S962	No	Kalas Manufacturing	Cathodic Protection Cable, #4 AWG stranded copper wire with 0.110" thick HMWPE insulation.	N/A	
Ground Clamps - Bronze (for attaching anode lead wire to copper tube)	S966	No	Galvan Electrical	GC2, 1¼" to 2" copper tube	N/A	All bronze body and screws, UL rated for direct burial
		No	Garvin Industries	GCB8125200, 1¼" to 2" copper tube	N/A	All bronze body and screws, UL rated for direct burial
Wire Connection Copper Tube Nuts (for attaching anode lead wire to copper tube)	S966	Yes	A.Y. McDonald	4700A Flare Nut with Anode (¾", 1")	Truesdail	No Lead Brass required for products larger than 1"
		Yes	Ford Meter Box Co.	CTN-3-TW (¾") and CTN-4-TW (1")	UL	Kunkel Process or No Lead Brass required for products larger than 1"

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PRODUCT	CITY SPEC.	NSF 61 CERT. REQD.?	MANUFACTURER	MODEL/STYLE	NSF 61 CERT. LAB	DESCRIPTION/COMMENTS
Magnesium Anodes (High Potential)	S966	No	Galvotec Alloys, Inc.	SuperMAG High Potential Anode in prepackaged bags w/backfill and #12 AWG solid wire /THWN/THHN jacket	N/A	Min. open circuit voltage potential = -1.77 volts, CU/CUSO4, Backfill 75% Gypsum, 20% Bentonite, 5% Sodium Sulfate
		No	WINCA	High Potential Anode in prepackaged bags w/backfill and #12 AWG solid wire /THWN/THHN jacket	N/A	Min. open circuit voltage potential = -1.77 volts, CU/CUSO4, Backfill 75% Gypsum, 20% Bentonite, 5% Sodium Sulfate
Cathodic Protection Test Station (Paved Surface)	S968	No	Bingham & Taylor	7" Shaft, 3 Piece Screw Type, Fig. No. 5001	N/A	"Water" Cover, No. 6 Round Base. Furnish with terminal board with min. of 5 stainless steel terminal connections.
Cathodic Protection Test Station (Unpaved Surface)	S968	No	Bingham & Taylor	Style P445 DT for unpaved surfaces, w/"Water Test" cover,	N/A	Furnish with terminal board having min. of 5 stainless steel terminal connections.
Reference Electrodes (Copper-Copper Sulfate)	S968	No	Electrochemical Devices, Inc.	Model UL, Longlife Underground Reference Cu/CuSO4 Electrode, w/50' #14 AWG HMWPE, 30 yr. design life	N/A	Stability = +/- 5 mV, current drain of 0.01 microAmps continuous, gelled element and backfill in cotton bag, 25 lbs.
Reference Electrodes (Silver-Silver Chloride)	S968	No	Electrochemical Devices, Inc.	Model UL, Longlife Underground Reference Ag/AgCl Electrode, w/50' #14 AWG HMWPE, 30 yr. design life	N/A	Stability = +/- 5 mV, current drain of 0.01 microAmps continuous, gelled element and backfill in cotton bag, 25 lbs.
Large Diameter Butterfly Valves (24" - 36")	Misc.	Yes	Henry Pratt Company	Groundhog Buried Service Butterfly Valve, 24" - 36", AWWA C504, Pressure Class 150B, mechanical joint, with Pratt MDT operator (MDT-4S for 24", MDT-5 for 30" and MDT-5S for 36")	UL	Epoxy coated. Open right. Gland hardware to be fluorocarbon coated. Furnish with Torque Guard Limiter with shear pin near road surface set to 200 ft.-lbs and 10 ft. extension rod that can be cut in the field.