

APPENDIX A

List of Materials and Approved Manufacturers

Revised July 2018

Water Distribution

Please indicate your selection by writing an “x”
in the box alongside the item of your choice.

A cut sheet is required for any item not listed.

GATE VALVES	✘	Manufacturer	Part Number
<i>2 inch (threaded)</i>		Mueller – AVR Resilient	A-2360-8 and 2361
		Clow	F6103
		American Flow Control	2500
		Kennedy	4507
<i>4 to 12 inches (mechanical joint)</i>		Mueller	A-2360-20 and 2361
		Flomatic	115 Series
		American Flow Control	2500
		Clow	F6100
<i>16 to 24 inches (gear actuated, mechanical joint)</i>		Mueller	A-2361-20
		American Flow Control	2500
		Clow	2639
BUTTERFLY VALVES	✘	Manufacturer	Part Number
<i>Larger than 24 inches (mechanical joint)</i>		Mueller/Pratt	Lineseal III
		Kennedy/M&H/Clow	BFV, fig. 30
		Flomatic	Model 45
AIR RELEASE VALVES	✘	Manufacturer	Part Number
<i>Stainless steel 316 for underground assemblies ONLY. Above ground can use reinforced nylon assemblies or City-approved equal.</i>		Vent-o-Mat	RBX Series
		International Valve	Vent-tech Series WTR/ D-040P, D-040SS
		ARI	D-040P, D-040SS
FITTINGS	✘	Manufacturer	Part Number
<i>Ductile iron, C153 SSB/C110 FLG, cement lined</i>		Tyler/Union	All
		Clow/McWane	All
		American	24 inch and larger
		Sigma	All
		SIP Industries	All
		Star	All
PIPE	✘	Manufacturer	Part Number
<i>1 and 2 inch HDPE service pipe, SODR 9 CTS blue, with 10-gauge wire</i>		Endot	EndoTrace 4710
<i>4 to 12 inches (PVC) blue</i>		Diamond Plastics	C-900, DR-18
		JM Eagle	C-900, DR-18
		National Pipe & Plastics	C-900, DR-18
		North American Pipe	C-900, DR-18
<i>4 to 54 inches (ductile iron) Cement lined</i>		American	Pressure Class 250
		US Pipe	Pressure Class 250
		Clow	Pressure Class 250
		McWane	Pressure Class 250
TAPPING VALVES	✘	Manufacturer	Part Number
		Mueller	T-2360-16 & 2361
		American Flow	AFC 2500
		Kennedy/Clow	F6114

TAPPING SLEEVES	✘	Manufacturer	Part Number
<i>Stainless steel, full wrap-around seal</i>		Ford	FTSS
		Smith-Blair	663, 665
		JCM	432
		Total Piping Solutions	TPS Triple Tap

RESTRAINING DEVICES FOR MJ	✘	Manufacturer	Part Number
<i>PVC pipe Or City-approved equal</i>		Tyler/Union	TufGrip 2000 Series
		EBAA	2000 PV Series
		Sigma	Model SLCE
		SIP Industries	E-Z Grips for PVC
		Star	Stargrip 4000G2

<i>Ductile iron pipe Or City-approved equal</i>		Tyler/Union	TufGrip 1000 Series
		EBAA	1100 Series
		Sigma	Model SLDE
		SIP Industries	E-Z Grips for DIP
		Star	Stargrip 3000

RESTRAINING DEVICES FOR BELLS	✘	Manufacturer	Part Number
<i>PVC pipe</i>		EBAA	2800 Series (C-905) 1500 Series (C-900)
		Tyler/Union	3000 PP Series
		Sigma	PV-Lok Model PWP
		SIP Industries	E-Z Grips PTP for PVC
		Star	Stargrip 4100P

<i>Ductile iron pipe</i>		EBAA	1700 Series and 1100 HD Series
		Tyler/Union	
		Sigma	PV-Lok Model SLDEH & SSLDH
		SIP Industries	E-Z Grips PTP for DIP
		Star	Stargrip 3100P

CORPORATION STOPS	✘	Manufacturer	Part Number
<i>1 inch, CC thread, non-lead</i>		Ford	FB-1000-NL
		Mueller	B-25008-N
		McDonald	4846A

<i>2 inch, IP thread, non-lead</i>		Ford	FB-1100-NL
		Mueller	B-25008-N
		McDonald	4846A

CURB STOPS	✘	Manufacturer	Part Number
<i>3/4 inch, FIP X FIP, non-lead</i>		Ford	B-11-333-W-NL
		Mueller	B-20200-N
		McDonald	

CURB STOPS CONT.	✘	Manufacturer	Part Number
<i>3/4 inch angle, FIP X FIP, non-lead</i>		Ford	AV11-333W-NL
		Mueller	H-14285-N
		McDonald	4604BF

<i>1 inch, CTS X FIP, non-lead</i>		Ford	B41-444-W-NL
		Mueller	B-24275-N
		McDonald	6102W22

<i>1 inch angle, CTS X FIP, non-lead</i>		Ford	BA41-444-W-NL
		Mueller	B-24274-B
		McDonald	4606B22

CURB STOPS	✘	Manufacturer	Part Number
<i>2 inch, non-lead</i>		Ford	BF43-777W-NL
		Mueller	P-24335-N
		McDonald	76100M-22
<i>2 inch angle, non-lead</i>		Ford	FV43-777W-NL
		Mueller	P-24276-N
		McDonald	74602B-22
U-BRANCHES	✘	Manufacturer	Part Number
<i>1 inch x 3/4 inch x 7 inch – 1/2 inch, non-lead</i>		Ford	U-48-43-NL
		Mueller	H-15363
		McDonald	708U2M
STRAIGHT METER COUPLINGS	✘	Manufacturer	Part Number
<i>3/4 inch, MIP X meter, non-lead</i>		Ford	C38-23-2.5-NL
		Mueller	H-14223-N
		McDonald	74620
<i>1 inch, MIP X meter, non-lead</i>		Ford	C38-44-2.625-NL
		Mueller	H-14223-N
		McDonald	74620
SERVICE SADDLES	✘	Manufacturer	Part Number
<i>1 inch, CC thread outlet – epoxy coated, double strap SS</i>		Mueller	DR-2S
		Ford	FC-202
		Smith-Blair	317 Series
		Romac	202-N-H
<i>2 inch, IP thread outlet – epoxy coated, double strap SS</i>		Mueller	DR-2S
		Ford	FC-202
		Smith-Blair	317 Series
		Romac	202-N-H

VALVE BOXES	X	Manufacturer	Part Number
<i>With heavy duty lid, 6850 series Or City-approved equal</i>		Tyler/Union	461-S (18 to 24 inches)
			562-S (24 to 36 inches)
		SIP Industries	6000 HD Series Pt. No. 6004
VALVE BOX LIDS, NO POP BLUE	X	Manufacturer	Part Number
<i>No pop red used for fire hydrant valve boxes</i>		SW Services	NP 600 Blue
		SW Services	NP 600 Red
FIRE HYDRANTS	X	Manufacturer	Part Number
<i>5 1/4 inch barrel with factory-applied yellow paint</i>		Mueller	A-423
		American Flow	B-84-B
		Clow	Medallion
FIRE HYDRANT PAINT	X	Manufacturer	Part Number
<i>Factory-applied yellow. If touch-up paint is required, see manufacturer for paint code!</i>		Sherwin-Williams	
CASING SPACERS	X	Manufacturer	Part Number
<i>Or City-approved equal</i>		CCI	CSS-8, CSS-12
		PSI	Stainless Steel CSS
WATER METER BOXES	X	Manufacturer	Part Number
<i>Single meter box, 11" x 18", straight wall</i>		CDR	B031118502
		Highline	CHB111812HW1
		Glasmasters	S111812S2N08-1
<i>Single meter box lids, 11" x 18" All meter box lids must be blue and have one (1) AMR hole for radio-read meters</i>		CDR	C00111802P
		Highline	175053
		Glasmasters	S1118SN08-1-WA
<i>Double meter boxes, 15" x 17", straight wall</i>		CDR	B031517502
		Highline	
		Glasmasters	S151712S2N08-1
<i>Double meter box lids, 15" x 17" All meter box lids must be blue and have one (1) AMR hole for radio-read meters</i>		CDR	C00151702P
		Highline	175047
		Glasmasters	S1517SN08-1-WA
<i>2 inch meter box, 17" x 30", straight wall</i>		CDR	B03173012M
		Highline	CHB173012HW1
		Glasmasters	S173012S2N08-1
<i>2 inch meter box lids, 17" x 30" All meter box lids must be blue and have one (1) AMR hole for radio-read meters</i>		CDR	C00173002P
		Highline	175073
		Glasmasters	S1730SN08-1-WA

BACKFLOW ASSEMBLY RPZ	✘	Manufacturer	Part Number
<i>All Manufacturers that meet the requirements of AWWA M14 Backflow Prevention and Cross Connection Control: Recommended Practices, Latest Edition.</i>			

DOUBLE CHECK ASSEMBLIES	✘	Manufacturer	Part Number
<i>All Manufacturers that meet the requirements of AWWA M14 Backflow Prevention and Cross Connection Control: Recommended Practices, Latest Edition.</i>			

BALL CHECK VALVES	✘	Manufacturer	Part Number
<i>Or City-approved equal</i>		Flomatic	208, 408, 508 Series

Tracer Wire	✘	Manufacturer	Part Number
<i>Open Cut Installation</i>		Cooperhead	1030 HS
<i>Horizontal Directional Drill</i>		Cooperhead	1045 EHS
<i>Service Connection for Tracer Wires</i>		Tracer-Lock	DB Connector

Wastewater Collection / Transmission

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PLUG VALVES	✘	Manufacturer	Part Number
		Mueller/Pratt	Ballcentric
		Clow/Kennedy	5400 Series
		Dezurik	Series 118

CHECK VALVES	✘	Manufacturer	Part Number
		American Flow Control	Series 600
		Flowmatic	Model 92, 745
		Mueller	A-2604-6-01-Air Cushion

AIR RELEASE VALVES	✘	Manufacturer	Part Number
<i>Stainless steel 316 ONLY! Or City-approved equal</i>		Vent-o-Mat	Series RGX II
		International Valve	Vent-tech Series SWG/
		ARI	D-025-SS

FITTINGS	✘	Manufacturer	Part Number
<i>Ductile iron, C153 SSB/C110, FLG and MJ Protecto 401 lining Or City-approved equal</i>		Tyler/Union	All
		Clow/McWane	All
		American	24 in. and larger
		Sigma	All
		SIP Industries	All
		Star	All

RESTRAINING DEVICES	✘	Manufacturer	Part Number
<i>PVC Or City-approved equal</i>		EBAA	2000PV Series
		Tyler/Union	TufGrip 2000 Series
		Sigma	PV-Lok Model PWP
		SIP Industries	E-Z Grip for PVC
		Star	Stargrip 4100P

<i>Ductile iron pipe Or City-approved equal</i>		EBAA	1100 Series
		Tyler/Union	TufGrip 1000 Series
		Sigma	One-Lok Models SLDEH & SSLDH
		SIP Industries	E-Z Grip for DIP
		Star	Stargrip 3100P

GRAVITY SEWER PIPE	✘	Manufacturer	Part Number
<i>PVC green Or City-approved equal</i>		Diamond Plastics	SDR 26
		JM Eagle	SDR 26
		National Pipe & Plastics	SDR 26
		North American Pipe	SDR 26

GRAVITY SEWER FITTINGS	✘	Manufacturer	Part Number
<i>PVC Or City-approved equal</i>		Multi Fittings	Trench Tough SDR 26
		GPK PVC Fittings	SDR 26 Gasketed PVC

CASING SPACERS	✘	Manufacturer	Part Number
<i>Or City-approved equal</i>		CCI	CSS-8, CSS-12
		PSI	Stainless Steel CSS

MANHOLE FRAMES AND COVERS	✘	Manufacturer	Part Number
<i>Or City-approved equal</i>		US Foundry	USF #225 AS

MANHOLE RISER RINGS	✘	Manufacturer	Part Number
<i>Or City-approved equal</i>		Ladtech, Inc.	2400 Series

MANHOLE JOINT SEALANT	✘	Manufacturer	Part Number
<i>Or City-approved equal</i>		Canusa – Wrapid Seal	WS-12, CL-12

MANHOLE PIPE CONNECTORS	✘	Manufacturer	Part Number
<i>Or City-approved equal</i>		Trelleburg	Kor-N-Seal
MANHOLE JOINT MATERIAL	✘	Manufacturer	Part Number
<i>Or City-approved equal</i>		KT Snyder Co.	Ram-Nek
		Conseal	CS102
MANHOLE SURFACE COATINGS	✘	Manufacturer	Part Number
<i>Exterior and interior Or City-approved equal</i>		Koppers/Carboline	Bitumastic 300M
		Refratta	HAC 100
		SewperCoat	
CLEAN OUT COVERS	✘	Manufacturer	Part Number
<i>Cast iron Or City-approved equal</i>		US Foundry	7621
FORCE MAIN PIPE	✘	Manufacturer	Part Number
<i>Green PVC pipe 4 inches and above Or City-approved equal</i>		Diamond Plastics	C900, DR18
		JM Eagle	C900, DR18
		National Pipe & Plastics	C900, DR18
		North American Pipe	C900, DR18
HDPE FORCE MAIN PIPE	✘	Manufacturer	Part Number
<i>2 inch SODR 9 green, with 10-gauge wire Or City-approved equal</i>		ENDOT	EndoSewerTrace – 4710
VALVE BOXES	✘	Manufacturer	Part Number
<i>With heavy-duty lid Or City-approved equal</i>		Tyler/Union	461-S (18 to 24 inches)
			562-S (24 to 36 inches)
		SIP Industries	6000 HD Series, Pt. No. 6004
VALVE BOX LIDS, NO POP GREEN	✘	Manufacturer	Part Number
<i>Valve box lids, no pop green</i>		SW Services	NP 600 Green
TAPPING SLEEVES	✘	Manufacturer	Part Number
<i>Stainless steel, full wrap-around seal</i>		Ford	FTSS
		Smith-Blair	663, 665
		JCM	432
		Total Piping Solutions	TPS Triple Tap
CORPORATION STOPS	✘	Manufacturer	Part Number
<i>2 inch, IP thread, non-lead</i>		Ford	FB-1100-NL
		Mueller	B-25008-N
		McDonald	4846A

Wastewater Pumping Station

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DUCTILE IRON PIPE	✘	Manufacturer	Part Number
<i>4 to 54 inches (ductile iron) Protecto 401 lined</i>		American	Pressure Class 250
		US Pipe	Pressure Class 250
		Clow	Pressure Class 250
		McWane	Pressure Class 250

FITTINGS	✘	Manufacturer	Part Number
<i>Ductile iron, C153 SSB/C110, FLG and MJ Protecto 401 lining Or City-approved equal</i>		Tyler/Union	All
		Clow/McWane	All
		American	24 inch and larger
		Sigma	All
		SIP Industries	All

EXTERIOR PIPE PROTECTION	✘	Manufacturer	Part Number
		CCI Wrapid Seal	LPB Pipe Sleeves
			LFL Flange Sleeves
			LFT Tape

LIFT STATIONS (WET WELLS) COATINGS	✘	Manufacturer	Part Number
<i>Interior coating Or City-approved equal</i>		Raven 405	
		Aquadex	

<i>Exterior coating</i>		Koppers/Carboline	Bitumatic 300M
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SUBMERSIBLE PUMPS	✘	Manufacturer	Part Number
		Flygt	"N" Pumps

ARVs	✘	Manufacturer	Part Number
<i>Stainless steel 316 ONLY! Or City-approved equal</i>		ARI	D-025SS
		Vent-o-Mat	RGX Series
		International Valve	Vent-tech Series SWG/

CHECK VALVES	✘	Manufacturer	Part Number
		American Flow	52SC
		Mueller	MA-2600-6-01-LW
		Flomatic	90/92 and 745

TRACER WIRE	✘	Manufacturer	Part Number
<i>Open Cut Installation</i>		Cooperhead	1030 HS
<i>Horizontal Directional Drill</i>		Cooperhead	1045 EHS

Reclaimed Water Distribution

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AIR RELEASE VALVES	✘	Manufacturer	Part Number
<i>Stainless steel 316 for underground assemblies ONLY Above ground can use reinforced nylon assemblies Or City-approved equal</i>		Vent-o-Mat	Series RBX II
		International Valve	Vent-tech Series WTR/
		ARI	D-040P, D-040SS
GATE VALVES	✘	Manufacturer	Part Number
<i>2 inch (threaded)</i>		Mueller – AVR Resilient	A2360 and 2361
		Clow	2639
		American Flow Control	2500
		McWane/Clow/Kennedy	F6103
<i>4 to 12 inches (mechanical joint)</i>		Mueller	A-2360-20 and 2361
		American Flow Control	2500
		Clow	F6100
		Flowmatic	115 Series
<i>16 to 24 inches (gear actuated, mechanical joint)</i>		Mueller	A2361-20
		American Flow Control	2500
		Clow	2639
BUTTERFLY VALVES	✘	Manufacturer	Part Number
<i>Larger than 24 inches (mechanical joint)</i>		Mueller	Lineasal III MJ
		Kennedy	Style 1450, 4500
		Flomatic	Model 45
FITTINGS	✘	Manufacturer	Part Number
<i>Ductile iron (C153 SSB/C110 FLG & MJ), cement lined</i>		Tyler/Union	All
		Clow/McWane	All
		American	24 inch and larger
		Sigma	All
		SIP Industries	All
		Star	All
PIPE	✘	Manufacturer	Part Number
<i>1 and 2 inch HDPE pipe, CTS – SODR9 purple, with 10-gauge wire</i>		ENDOT	EndoCoreTrace 4710
<i>4 to 24 inches – PVC purple Or City-approved equal</i>		Diamond Plastics	C-900, DR-18
		JM Eagle	C-900, DR-18
		National Pipe & Plastics	C-900, DR-18
		North American Pipe	C-900, DR-18
<i>4 to 54 inches – ductile iron pipe, cement lined</i>		US Pipe	Pressure Class 250
		American	Pressure Class 250
		Clow	Pressure Class 250
		McWane	Pressure Class 250

TAPPING VALVES	✘	Manufacturer	Part Number
		Mueller	T-2360-16 and 2361
		American Flow	AFC 2500
		Kennedy	7950
TAPPING SLEEVES	✘	Manufacturer	Part Number
<i>Stainless steel, full wrap-around seal</i>		Ford	FTSS
		Smith-Blair	663, 665
		JCM	432
RESTRAINING DEVICES FOR MJ	✘	Manufacturer	Part Number
<i>PVC pipe Or City-approved equal</i>		EBAA	2000 PV Series
		Tyler/Union	TufGrip 2000 Series
		Sigma	Model SLCE
		SIP Industries	E-Z Grip for PVC
		Star	Stargrip 4000G2
<i>Ductile iron pipe Or City-approved equal</i>		EBAA	1100 Series
		Tyler/Union	TufGrip 1000 Series
		Sigma	Model SLDE
		SIP Industries	E-Z Grip for DIP
		Star	Stargrip 3000
RESTRAINING DEVICES FOR BELLS	✘	Manufacturer	Part Number
<i>PVC pipe</i>		EBAA	2800 Series (C-905) 1500 Series (C-900)
		Tyler/Union	3000 PP Series
		Sigma	PV-Lok Model PWP
		SIP Industries	E-Z Grip for PTP for PVC
		Star	Stargrip 4100P
<i>Ductile iron pipe</i>		EBAA	1700 Series and 1100 HD Series
		Tyler/Union	
		Sigma	One-Lok SLDEH & SSLDH
		SIP Industries	E-Z Grip for PTP for DIP
		Star	Stargrip 3100P
CORPORATION STOPS	✘	Manufacturer	Part Number
<i>1 inch, CC thread, non-lead</i>		Ford	FB-1000-NL
		Mueller	B-25008-N
		McDonald	4845A
<i>2 inch, IP thread, non-lead</i>		Ford	FB-1100-NL
		Mueller	B-25008-N
		McDonald	4846A
CURB STOPS	✘	Manufacturer	Part Number
<i>3/4 inch, FIP X FIP, non-lead</i>		Ford	B-11-333-W-NL
		Mueller	B-20200-N
		McDonald	

CURB STOPS CONT.	✘	Manufacturer	Part Number
<i>3/4 inch angle, FIP X FIP, non-lead</i>		Ford	AV11-333W-NL
		Mueller	H-14285-N
		McDonald	4604BF
<i>1 inch, CTS X FIP, non-lead</i>		Ford	B41-444-W-NL
		Mueller	B-25170
		McDonald	6102W22
<i>1 inch angle, CTS X FIP, non-lead</i>		Ford	BA41-444-W-NL
		Mueller	B-24274
		McDonald	4606B22
<i>2 inch, non-lead</i>		Ford	BF43-777W-NL
		Mueller	P-24335-N
		McDonald	76100M-22
<i>2 inch angle, non-lead</i>		Ford	V43-777W-NL
		Mueller	P-24276-N
		McDonald	74602B-22
U-BRANCHES	✘	Manufacturer	Part Number
<i>1 inch x 3/4 inch x 7 inch – 1/2 inch, non-lead</i>		Ford	U-48-43-NL
		Mueller	H-15363
		McDonald	708U2M
STRAIGHT METER COUPLINGS	✘	Manufacturer	Part Number
<i>3/4 inch, MIP X Meter, non-lead</i>		Ford	C38-23-2.5-NL
		Mueller	H-14223-N
		McDonald	74620
<i>1 inch, MIP X Meter, non-lead</i>		Ford	C38-44-2.625-NL
		Mueller	H-14223-N
		McDonald	74620
SERVICE SADDLES	✘	Manufacturer	Part Number
<i>1 inch, CC thread outlet, epoxy coated-double strap SS</i>		Ford	FC-202
		Mueller	DR-2S
		Romac	202-N-H
		Smith-Blair	317 Series
<i>2 inch, IP thread, epoxy coated-double strap SS</i>		Ford	FC-202
		Mueller	DR-2S
		Romac	202-N-H
		Smith-Blair	317 Series

VALVE BOXES	✘	Manufacturer	Part Number
Valve box lid must be stamped "reclaimed water" or "reuse water" Round or square (heavy duty) lids are acceptable Or City-approved equal		Tyler/Union	HD 461-S (18 to 24 inches)
			HD 562-S (24 to 36 inches)
		SIP Industries	6000 HD Series Part No. 6004/6007 Reuse

GATE VALVES	✘	Manufacturer	Part Number
4 to 12 inches (mechanical joint)		Mueller	A-2360-20 and 2361
		Kennedy/Clow/M&H	1571-A
		American Flow	2500
		Flowmatic	115 Series

12 inches and larger (geared actuated, mechanical joint)		Mueller	A-2361-20
		Kennedy/Clow/M&H	2639
		American Flow	2500

RECLAIMED WATER METER BOX	✘	Manufacturer	Part Number
Single meters, 11" x 18", straight wall		CDR	B001118502
		Highline	CHB111812HW1
		Glasmasters	S111812S2N08-2

Single meter box lids, 11" x 18" All meter box lids must be purple and have one (1) AMR hole for radio-read meters		CDR	C00111802PP
		Highline	CHC1118HR
		Glasmasters	S1118SN08-2-RW

Double meter boxes, 15" x 17", straight wall		CDR	B001517502
		Highline	
		Glasmasters	S151712S2N08-2

Double meter box lids, 15" x 17" All meter box lids must be purple and have one (1) AMR hole for radio-read meters		CDR	C00151702PP
		Highline	
		Glasmasters	S1517SN08-2-RW

2 inch meter boxes, 17" x 30", straight wall		CDR	B00173012M
		Highline	CHB173012HW1
		Glasmasters	S173012S2N08-2

2 inch meter box lids, 17" x 30" All meter box lids must be purple and have one (1) AMR hole for radio-read meters		CDR	C00173002PP
		Highline	CHC1730HR
		Glasmasters	S1730SN08-2-RW

Tracer Wire	✘	Manufacturer	Part Number
Open Cut Installation		Cooperhead	1030 HS
Horizontal Directional Drill		Cooperhead	1045 EHS
Service Connection for Tracer Wires		Tracer-Lock	DB Connector