

CITY OF WINTER GARDEN

APPENDIX A
LIST OF MATERIALS AND APPROVED MANUFACTURERS
(Revised June 2014)

City of Winter Garden
Appendix "A"
List of Materials
and
Approved Manufacturers
Revised June, 2014



300 West Plant Street, Winter Garden, FL 34787 • (407) 656-4111 • www.wintergarden-fl.gov

CITY OF WINTER GARDEN
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LIST OF MATERIALS AND APPROVED MANUFACTURERS
(Revised June 2014)

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(Revised June 2014)

Water Distribution

Please indicate your selection by writing an "x"
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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	Lineal 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
		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
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>		JM Eagle	C-900, DR-18
		National Pipe & Plastics	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

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TAPPING VALVES	X	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
RESTRAINING DEVICES FOR MJ		Manufacturer	Part Number
<i>PVC pipe Or City-approved equal</i>		Tyler/Union	TufGrip 2000 Series
		EBAA	2000 PV Series
<i>Ductile iron pipe Or City-approved equal</i>		Tyler/Union	TufGrip 1000 Series
		EBAA	1100 Series
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
<i>Ductile iron pipe</i>		EBAA	1700 Series and 1100 HD Series
		Tyler/Union	
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

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

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SERVICE SADDLES	X	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		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)
VALVE BOX LIDS, NO POP BLUE		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		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		Manufacturer	Part Number
<i>Factory-applied yellow. If touch-up paint is required, see manufacturer for paint code!</i>		Sherwin-Williams	
CASING SPACERS		Manufacturer	Part Number
<i>Or City-approved equal</i>		CCI	CSS-8, CSS-12
		PSI	Stainless Steel CSS
WATER METER BOXES		Manufacturer	Part Number
<i>Single meter box, 11" x 18", straight wall</i>		CDR	B031118502
		Highline	CHB111812HW1
		Glasmasters	S111812S2N08-1

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WATER METER BOXES CONT.	X	Manufacturer	Part Number
<i>Single meter box lids, 11" x 18"</i> <i>All meter box lids must be blue and have one (1)</i> <i>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"</i> <i>All meter box lids must be blue and have one (1)</i> <i>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"</i> <i>All meter box lids must be blue and have one (1)</i> <i>AMR hole for radio-read meters</i>		CDR	C00173002P
		Highline	175073
		Glasmasters	S1730SN08-1-WA
BACKFLOW ASSEMBLY RPZ		Manufacturer	Part Number
<i>Or City-approved equal</i>		Zurn-Wilkins	Model 350
		Ames	
DOUBLE CHECK ASSEMBLIES		Manufacturer	Part Number
		Ames	9100 Series
		Zurn	Model 350 ADA
		Watts	LF007
BALL CHECK VALVES		Manufacturer	Part Number
<i>Or City-approved equal</i>		Flomatic	208, 408, 508 Series

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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	
		Flowmatic	Model 90 and 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	RGX Series
		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

RESTRAINING DEVICES		Manufacturer	Part Number
<i>PVC Or City-approved equal</i>		EBAA	2000PV Series
		Tyler/Union	TufGrip 2000 Series
<i>Ductile iron pipe Or City-approved equal</i>		EBAA	1100 Series
		Tyler/Union	TufGrip 1000 Series

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

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MANHOLE FRAMES AND COVERS	X	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
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>		JM Eagle	C900, C905
		National Pipe & Plastics	C900, C905
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)
VALVE BOX LIDS, NO POP GREEN		Manufacturer	Part Number
<i>Valve box lids, no pop green</i>		SW Services	NP 600 Green

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SERVICE SADDLES	✕	Manufacturer	Part Number
<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
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	X	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

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 & 745

Reclaimed Water Distribution

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AIR RELEASE VALVES	X	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/
		ARI	D-040P, D-040SS
GATE VALVES		Manufacturer	Part Number
<i>2 inch (threaded)</i>		Mueller – AVR Resilient	A2360 & 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	Lineal 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
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>		JM Eagle
		National Pipe & Plastics	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

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TAPPING VALVES	X	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

<i>Ductile iron pipe Or City-approved equal</i>		EBAA	1100 Series
		Tyler/Union	TufGrip 1000 Series

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

<i>Ductile iron pipe</i>		EBAA	1700 Series and 1100 HD Series
		Tyler/Union	

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

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

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SERVICE SADDLES	X	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
<i>Valve box lid must be stamped "reclaimed water" or "reuse water" Round or square (heavy duty) lids are acceptable Or City-approved equal</i>		Tyler/Union	HD 461-S (18 to 24 inches)
			HD 562-S (24 to 36 inches)
GATE VALVES		Manufacturer	Part Number
<i>4 to 12 inches (mechanical joint)</i>		Mueller	A-2360-20 & 2361
		Kennedy/Clow/M&H	1571-A
		American Flow	2500
		Flowmatic	115 Series
<i>12 inches and larger (geared actuated, mechanical joint)</i>		Mueller	A-2361-20
		Kennedy/Clow/M&H	2639
		American Flow	2500
RECLAIMED WATER METER BOX		Manufacturer	Part Number
<i>Single meters, 11" x 18", straight wall</i>		CDR	B001118502
		Highline	CHB111812HW1
		Glasmasters	S111812S2N08-2
<i>Single meter box lids, 11" x 18" All meter box lids must be purple and have one (1) AMR hole for radio-read meters.</i>		CDR	C00111802PP
		Highline	CHC1118HR
		Glasmasters	S1118SN08-2-RW

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RECLAIMED WATER METER BOX CONT.	✕	Manufacturer	Part Number
<i>Double meter boxes, 15" x 17", straight wall</i>		CDR	B001517502
		Highline	
		Glasmasters	S151712S2N08-2
<i>Double meter box lids, 15" x 17"</i> <i>All meter box lids must be purple and have one (1) AMR hole for radio-read meters</i>		CDR	C00151702PP
		Highline	
		Glasmasters	S1517SN08-2-RW
<i>2 inch meter boxes, 17" x 30", straight wall</i>		CDR	B00173012M
		Highline	CHB173012HW1
		Glasmasters	S173012S2N08-2
<i>2 inch meter box lids, 17" x 30"</i> <i>All meter box lids must be purple and have one (1) AMR hole for radio-read meters</i>		CDR	C00173002PP
		Highline	CHC1730HR
		Glasmasters	S1730SN08-2-RW