

**APPROVED PRODUCTS LIST
CITY OF BEAVERTON**

Material Manual No.	CATEGORY	TYPE	PRODUCT NAME	LOCAL REP AND/OR MFG	EFFECTIVE DATE	CITY PRODUCT NUMBER	ODOT PRODUCT NUMBER	LIST	REMARK
630.2.1	Ductile Iron Pipe	Class 52	Tyton - DOMESTIC	Pacific States Cast Iron Pipe Co.					
630.2.1	Ductile Iron Pipe	Class 52	Tyton - DOMESTIC	U.S. Pipe					
630.2.2	Push-on Joint Restraints (Gaskets)		Sure Stop 350	McWane, Inc.					
630.2.2	Push-on Joint Restraints (Gaskets)		Field Lok 350	U.S. Pipe					
630.2.4	Mechanical Joint Restraints		MegaLug Series 1100	EBAA Iron, Inc.					
630.2.4	Mechanical Joint Restraints		MJ Field Lok	U.S. Pipe					
630.2.4	Mechanical Joint Restraints		Uniflange Series 1400	Ford Meter Box Co.					
630.2.4	Mechanical Joint Restraints		TuFGrip	Tyler Union					
630.2.4	Mechanical Joint Restraints		One Lok Series D-SLDE	Sigma Corp.					
630.2.3	Ductile Iron Fittings (ANSI/AWWA C110 & C153)	DOMESTIC ONLY		American Cast Iron Pipe Co.					
630.2.3	Ductile Iron Fittings (ANSI/AWWA C110 & C153)	DOMESTIC ONLY		Sigma Corp.					
630.2.3	Ductile Iron Fittings (ANSI/AWWA C110 & C153)	DOMESTIC ONLY		Tyler Union					
630.2.3	Ductile Iron Fittings (ANSI/AWWA C110 & C153)	DOMESTIC ONLY		U.S. Pipe					
630.2.6	Restrained Flange Coupling Adapter		Megaflange Series 2100	EBAA Iron, Inc.					
630.2.6	Adapter Flange		Field Flange	Romac Industries, Inc					
630.2.6	Adapter Flange		Uni-Flange Series 400	Ford Meter Box Co.					
630.2.6	Dismantling Joint		Style DJ405	Romac Industries, Inc					
630.2.6	Dismantling Joint		Style 973	Smith-Blair Inc.					
630.2.7	Tapping Sleeves		432	JCM Industries (4" through 12" diameter sleeve)					
630.2.7	Tapping Sleeves		452	JCM Industries (18" and 24" diameter sleeve)					
640.2.2	Butterfly Valves	10"-24"	Line seal	Mueller					
640.2.2	Butterfly Valves	10"-24"	Groundhog	Pratt					
640.2.1	Gate Valves	2" - 8"	Series 2500	American Flow Control					
640.2.1	Gate Valves	2" - 8"	Model 2638, 2639, 2640	Clow					
640.2.1	Gate Valves	2" - 8"	Model KS - RW; Model 8571	Kennedy					
640.2.1	Gate Valves	2" - 8"	Style 4067; Style 7000	M & H					
640.2.1	Gate Valves	2" - 8"	Series 2360	Mueller					
640.2.1	Gate Valves	2" - 8"		East Jordan Iron Works					
640.2.4	Valve Boxes	STANDARD BOX	VBST910	Star pipe products					

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640.2.4	Valve Boxes		Vancouver Design #00363912; Cover #3639A1	EJ Foundry					
650.2	Fire Hydrants		Water Master 5CD250	East Jordan Iron Works					
650.2	Fire Hydrants		Super Centurion 250	Mueller					
630.1.3	Air Release Valves (ARV)		S-050 V	ARI Flow Control					
630.1.3	Combination Air Vacuum Valves (CARV)		D-040-P	ARI Flow Control					
630.2.9	Blow-off Assemblies		TF500 (2")	The Kupferle Foundry Co.					
660.2.2	Copper Tubing	Type K Soft Copper	3/4" - 1"						
660.2.2	Copper Tubing	Type K Rigid Copper	1-1/2" - 2"						
660.2.3	Corporation Stops	1" CC x CTS	B-25008	Mueller					
660.2.3	Corporation Stops	1 1/2" MIPT x CTS	B-25028	Mueller					
660.2.3	Corporation Stops	2" MIPT x CTS	B-25028	Mueller					
660.2.4	Copper Meter Setters	3/4" CTS (5/8" X 3/4" MTR)	203B2474-01	Mueller					
660.2.4	Copper Meter Setters	1" CTS (5/8" X 3/4" MTR)	203B2440-04	Mueller					
660.2.4	Copper Meter Setters	1" CTS (1" MTR)	391B2478-08	Mueller					
660.2.4	Copper Meter Setters	1-1/2" MTR w/Bypass	695B2428-01	Mueller					
660.2.4	Copper Meter Setters	2" MTR w/Bypass	105B2428-01	Mueller					
660.2.4	Copper Meter Setters	3/4" CTS (5/8" X 3/4" MTR)	VBB82W-44-33Q-NL	Ford Meter Box Co.					
660.2.4	Copper Meter Setters	1" CTS (5/8" X 3/4" MTR)	VBB82W-44-44-FP-AWT-Q-NL	Ford Meter Box Co.					
660.2.4	Copper Meter Setters	1" CTS (1" MTR)	VBB74-84-15W-44-44-FP-Q-NL	Ford Meter Box Co.					
660.2.4	Copper Meter Setters	1-1/2" MTR w/Bypass	VBB76-86-C13628-001-NL	Ford Meter Box Co.					
660.2.4	Copper Meter Setters	2" MTR w/Bypass	VBB77-87-C13628-002-NL	Ford Meter Box Co.					
660.2.5	Tapping Saddles	2"	406	JCM INDUSTRIES					
660.2.5	Tapping Saddles	(1-1/2" & 2")	2025	Romac Industries, Inc					
660.2.5	Tapping Saddles	(1-1/2" & 2")	317	Smith-Blair Inc.					
660.2.10	Meter Valves	3/4" thru 2"							
660.2.10	Angled Meter Valves (Ball Valve)	1" CTS x 1" MTR	B-24258	Mueller					
660.2.10	Angled Meter Valves (Ball Valve)	2" FIPT x 1 1/2" or 2" MTR Flange	B-24286	Mueller					
660.2.10	Angled Meter Valves (Ball Valve)	2" CTS x 1 1/2" or 2" MTR Flange	B-24276	Mueller					
660.2.10	Curb Stops (Ball Valve)	3/4" CTS x CTS	B-25209	Mueller					
660.2.10	Curb Stops (Ball Valve)	1" CTS x CTS	B-25209	Mueller					
660.2.10	Curb Stops (Ball Valve)	3/4" FIPT x FIPT	B-20283	Mueller					
660.2.10	Curb Stops (Ball Valve)	1" FIPT x FIPT	B-20283	Mueller					
660.1	Water Meters*								*All meters are provided by operations

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660.2.9	Water Meter Boxes	3/4" and 1" Services	(13"x24"x12")						Polymer Concrete, 20Kload rating, AMR recessed hole in lid (Quazite Not Accepted); DPW OF SAME LOAD RATING & LID DESIGN
660.2.9	Water Meter Boxes	1-1/2" and 2" Services	(17" x 30" x 18")						Polymer Concrete, 20Kload rating, AMR recessed hole in lid (Quazite Not Accepted); DPW OF SAME LOAD RATING & LID DESIGN
640.2.5	ARV's and CARV's - Cover	10" x 15" x 12"	A6001922T-HILLSBORO	Armorcast					Traffic-rated Solid Cover; Polymer Concrete Equivalent Allowed
640.2.5	ARV's and CARV's - Box	10" x 15" x 12"	P6001921X12	Armorcast					
640.2.5	ARV's and CARV's - Cover	12" x 20" x 12"	A6000484T-HILLSBORO	Armorcast					Traffic-rated Solid Cover; Polymer Concrete Equivalent Allowed
640.2.5	ARV's and CARV's - Box	12" x 20" x 12"	P6000485	Armorcast					
640.2.5	ARV's and CARV's		DFW486C-4M	DFW					Traffic-rated Solid Cover; Polymer Concrete Equivalent Allowed
640.2.5	ARV's and CARV's		DFW486WBCNP4-12	DFW					
680.2.1	CP Test Stations - Cover	10" x 15" x 12"	A6001922T-HILLSBORO	Armorcast					Traffic-rated Solid Cover; Polymer Concrete Equivalent Allowed
680.2.1	CP Test Stations - Box	10" x 15" x 12"	P6001921X12	Armorcast					
660.2.6	Couplings	1" FIPT x CTS	H-15451	Mueller					
660.2.6	Couplings	1" MIPT x CTS	H-15428	Mueller					
660.2.6	Couplings	1" CTS x CTS	H-15403	Mueller					
660.2.6	Couplings	1-1/2" FIPT x CTS	H-15451	Mueller					
660.2.6	Couplings	1-1/2" MIPT x CTS	H-15428	Mueller					
660.2.6	Couplings	1-1/2" CTS x CTS	H-15403	Mueller					
660.2.6	Couplings	2" FIPT x CTS	H-15451	Mueller					
660.2.6	Couplings	2" MIPT x CTS	H-15428	Mueller					
660.2.6	Couplings	2" CTS x CTS	H-15403	Mueller					
660.2.6	Brass Elbows	1" FIPT x CTS	H-15533	Mueller					
660.2.6	Brass Elbows	1-1/2" CTS x CTS	H-15526	Mueller					
660.2.6	Brass Elbows	2" CTS x CTS	H-15526	Mueller					
660.2.6	Brass Plugs	3/4" CC	H-10033 3/4"	Mueller					
660.2.6	Brass Plugs	1" CC	H-10033 1"	Mueller					
660.2.6	Brass Plugs	3/4" MIPT	H-10035 3/4"	Mueller					
660.2.6	Brass Plugs	1" MIPT	H-10035 1"	Mueller					
660.2.6	Brass Plugs	3/4" CC	CSP-3	Ford Meter Box					
660.2.6	Brass Plugs	1" CC	CSP-4	Ford Meter Box					
660.2.6	Brass Plugs	3/4" MIPT	CSP-3-1	Ford Meter Box					
660.2.6	Brass Plugs	1" MIPT	CSP-4-1	Ford Meter Box					
660.2.6	Brass Plugs	3/4" CC	3206 3/4"	AY McDonald					
660.2.6	Brass Plugs	1" CC	3206 1"	AY McDonald					
660.2.6	Brass Plugs	3/4" MIPT	3208 3/4"	AY McDonald					
660.2.6	Brass Plugs	1" MIPT	3208 1"	AY McDonald					
660.2.7	Repair Bands	2" - 12"	CL1	Romac					
660.2.7	Repair Bands	14" and larger	CL2, CL3	Romac					
660.2.7	Repair Bands	2" - 12"	Full circle stackable	Mueller					

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660.2.7	Repair Bands	14" and larger	Full circle stackable	Mueller					
660.2.7	Repair Bands	2" - 12"	226 Full Circle	Smith-Blair					
660.2.7	Repair Bands	14" and larger	227 Full Circle	Smith-Blair					
660.2.7	Repair Bands								
660.2.8	Sample Stations		Eclipse 88ss w/optional 1/4" ball valve	The Kupferle Foundry Co.					
670.2 & 670.2.4	Water Meter Vault Base	3" - 4" Meter	575-LA base	Oldcastle					4'-4" standard ladder w/brackets Alum.Ladder extension-49 1/2";
670.2 & 670.2.4	Water Meter Vault Lid	3" - 4" Meter	575 LA w/57-2-332P top	Oldcastle					Aluminum Bilco hatches in all non-traffic areas
670.2 & 670.2.4	Water Meter Vault Base - NON-TRAFFIC RATED	3" - 4" Meter	A6001506 TAx36	Armorcast					4'-4" standard ladder w/brackets Alum.Ladder extension-49 1/2"; Aluminum Bilco hatches in all non-traffic areas; Torsion Assist. Vault, 20K rated with recessed AMR radio hole in lid
670.2 & 670.2.4	Water Meter Vault Base - NON-TRAFFIC RATED	3" - 4" Meter	48" MT-H7	Armorcast					4'-4" standard ladder w/brackets Alum.Ladder extension-49 1/2"; Aluminum Bilco hatches in all non-traffic areas; Torsion Assist. Vault, 20K rated with recessed AMR radio hole in lid
670.2 & 670.2.4	Water Meter Vault Base	6" Meter	687-2-LA base	Oldcastle					6'-4" standard ladder w/brackets Alum.Ladder extension-49 1/2";
670.2 & 670.2.4	Water Meter Vault Lid	6" Meter	687-T-2-332P top	Oldcastle					Aluminum Bilco hatches in all non-traffic areas
670.2 & 670.2.4	Water Meter Vault Base	8" Meter	5106-1-LA base	Oldcastle					5'-4" standard ladder w/brackets Alum.Ladder extension-49 1/2";
670.2 & 670.2.4	Water Meter Vault Lid	8" Meter	5106-3-T-3-332P top	Oldcastle					Aluminum Bilco hatches in all non-traffic areas
670.2 & 670.2.4	Water Meter Vault Access Hatch		JD3AL*	The Bilco Company					*w/drain channel & coupler (Aluminum Pedestrian Rated)
670.2 & 670.2.4	Water Meter Vault Access Hatch		CHD-11AL*	Syracuse Castings					*w/drain channel & coupler (Aluminum Pedestrian Rated)
670.2 & 670.2.4	Backflow Vaults		3" - 4" Backflow	577-LA					48"X72" Access Hatch
670.2 & 670.2.4	Backflow Vaults		3" - 4" Backflow	676-LA w/FDC					48"X72" Access Hatch
670.2 & 670.2.4	Backflow Vaults		6" Backflow	676-WA					48"X72" Access Hatch
670.2 & 670.2.4	Backflow Vaults		6" Backflow	687-WA					48"X72" Access Hatch
670.2 & 670.2.4	Backflow Vaults		8" Backflow	687-WA w/FDC					48"X72" Access Hatch
670.2 & 670.2.4	Backflow Vaults		8" Backflow	5106-WA w/FDC					48"X72" Access Hatch
670.2 & 670.2.4	Backflow Vaults		10" Backflow	5106-WA					48"X72" Access Hatch
670.2 & 670.2.4	Backflow Vaults		10" Backflow	5106-WA w/FDC					48"X72" Access Hatch
670.2 & 670.2.4	Backflow Vault Access Hatch		JD3AL-H20	The Bilco Company					(Galv. Steel - H-20 rated)
670.2 & 670.2.4	Backflow Vault Access Hatch		2-332P	Oldcastle Precast					(Galv. Steel - H-20 rated)
670.2.4	Vault Lid Coating (Slip-Resistant)		-NS (Non-Slip)	Oldcastle Precast					Pedestrian Walkway
670.2.4	Vault Lid Coating (Slip-Resistant)		(Slip-Not)	Syracuse Castings					Slip-Resistant Coating
670.2.3	Sump Pumps		Optima EPPD-3AS1	Ebara					
670.2.3	Sump Pumps		WSP33K1AA	Honda					
670.2.6	Pipe Supports		Standon S89	Material Resources, Inc.					

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670.2.6	Pipe Supports		Standon S92 (used on 3" meter bypass)	Material Resources, Inc.					
Cathodic Protection									
680.2.7	Flange Insulating Kits		Style IC501	Romac					
680.2.1	Test Stations - Post Mount	Transmission Pipeline	Testox 700	Gerome Electric Supply Co.					Or approved equal
680.2.1	Test Stations - Flush Mount	Transmission Pipeline		Armorcast					Or approved equal
680.2.1	Test Stations - Post Mount	Distribution Pipeline	Little FINK	Cott Mfg.					Or approved equal
680.2.1	Test Stations - Flush Mount	Distribution Pipeline	Terminal Box #NM	CP Test Services					Or approved equal
680.2.2	Exothermic Welding		Cadweld F-33	Erico International Corp Inc. "Cadweld"					
680.2.2	Exothermic Welding		Cadweld XF-19	Erico International Corp Inc. "Cadweld"					
680.2.3	Exothermic Caps		"Royston Handy Cap"	Chase Corp.					
680.2.3	Exothermic Caps		"Tapecoat Gray Pad"	Chase Corp.					
680.2.9	Wire Connectors		C10-14	Thomas and Bretts					
680.2.9	Splice Connections	AWG 10 and larger wire	KS	Burndy					Or approved equal
680.2.9	Splice Connections	AWG 12 and smaller wire	C10-14	Thomas and Bretts					Or approved equal
680.2.9	Electrical Tape		Scotch Super +33	3M Company					
680.2.9	Electrical Tape		Super 88 vinyl	3M Company					
680.2.9	Insulating Putty		Sctochfil Electrical Insulating Putty	3M Company					
680.2.9	Corrosion Prevention Tape		Tapecoat H50	Chase Corp					
680.2.9	Mastic Coatings		Tapecoat TC Mastic	Chase Corp					
680.2.9	Mastic Coatings		Roskote R28 Rubberized Mastic	Chase Corp					
680.2.9	Mastic Coatings		Bitumastic 50	Pretecto Wrap Co.					
680.2.9	Rubber Splicing Tape		Scotch 130C	3M Company					
680.2.9	Corrosion Protection Tape		Scotchrap 50 and 51 All-weather Corrosion Protection Tape and Pipe Primer	3M Company					
	Backflow Preventer Boxes		14192011	Carson (Oldcastle)					Body
	Backflow Preventer Boxes		14194001	Carson (Oldcastle)					Cover
	Backflow Preventer Boxes		14193002	Carson (Oldcastle)					Extension
	Backflow Preventer Boxes		13242004	Carson (Oldcastle)					Body

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	Backflow Preventer Boxes		13244001	Carson (Oldcastle)					Cover
630.2.8	Casing Seal		Model "C" or "W"	Calprico Seal					