

PORTLAND WATER BUREAU

MATERIALS LIST

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This list is published as part of the Material Manual and is available online.

MATERIAL MANUAL INTERNET ADDRESS:

[Portland Water Bureau manuals and design standards | Portland.gov](http://Portland.gov)

Web links last updated: November 20, 2014, links may be expired

Special Notices

Remarks should be treated as informational and not a guarantee of current status of any product.

Products identified as Qualifies for Buy America indicate the availability of the product as manufactured in the USA at the time of review.

Web links are provided as a convenience only and are not guaranteed to be exact or up to date.

Portland Water Bureau complies with the Safe Drinking Water Act. NSF certification required on each purchase.

Recent updates

DFWBP4-AF1PT lid – AMI version of the BP4AF4C accepted.

DFW 38C box & lid, and AMI version accepted.

DFW 486C-4MPT lid – AMI version of the DFW486C-4MPP

GripperGasket Gripper™ Restraining Gaskets accepted.

Specification Rubber Products, Inc. Barracuda® Restrained Joint (RJ) Gaskets accepted.

Star Pipe Products MJ & Flanged Fittings accepted.

Star Pipe Products Stargrip® Series 3000 accepted.

Material Manual NO. (COP SCS)	CATEGORY	PRODUCT NAME	LOCAL REPRESENTATIVE AND/OR MANUFACTURER	EFFECTIVE DATE	ODOT PRODUCT NUMBER	CITY PRODUCT NUMBER	LIST	REMARK
501.2	DUCTILE IRON PIPE	FASTITE JOINT	AMERICAN CAST IRON PIPE Co, ACIPCO				Q	
501.2	DUCTILE IRON PIPE	FLEX RING	AMERICAN DUCTILE IRON PIPE Co, ACIPCO				Q	SPECIAL APPLICATION, DIRECTIONAL DRILLING AND BRIDGE CROSSINGS.
501.2	DUCTILE IRON PIPE	TYTON JOINT, 4" DI	McWANE DUCTILE				Q	ALLOWABLE SUBSTITUTE FOR PACIFIC STATES PIPE ORDERS FOR 4" DI PIPE.
501.2	DUCTILE IRON PIPE	TYTON JOINT	McWANE DUCTILE				Q	PREVIOUSLY KNOWN AS PACIFIC STATES PIPE
501.2	DUCTILE IRON PIPE	THRUST LOCK	McWANE DUCTILE				Q	PREVIOUSLY KNOWN AS PACIFIC STATES PIPE
501.2	DUCTILE IRON PIPE	TYTON JOINT	US PIPE AND FOUNDRY COMPANY, LLC				Q	
501.2	DUCTILE IRON PIPE	TR FLEX	US PIPE AND FOUNDRY COMPANY, LLC				Q	
501.2.6	GASKETS		VARIES					GASKETS SHALL BE TYPE AS APPROVED BY THE MANUFACTURER FOR USE WITH THEIR PIPE. GASKETS SHALL BE APPROVED PER PROJECT FOR PRESSURE AND POTENTIAL CONTAMINANT REQUIREMENTS.
501.4 (02475)	DUCTILE IRON FITTINGS	MJ & FLANGED	AMERICAN CAST IRON PIPE Co, ACIPCO					
501.4 (02475)	DUCTILE IRON FITTINGS	MJ & FLANGED	SIGMA					
501.4 (02475)	DUCTILE IRON FITTINGS	MJ & FLANGED	STAR PIPE PRODUCTS	4/26/2022				
501.4 (02475)	DUCTILE IRON FITTINGS	MJ & FLANGED	TYLER PIPE/UNION FOUNDRY COMPANY (TYLER UNION)					BEIJING CHENGHONG FOUNDRY ALSO ACCEPTED UNLESS "BUY AMERICA" APPLIES
501.4 (02475)	DUCTILE IRON FITTINGS	MJ & FLANGED	US PIPE AND FOUNDRY COMPANY, LLC					
501.4 (02475)	DUCTILE IRON FITTINGS	MJ FOSTER ADAPTOR, (SIZES 3" THROUGH 16")	INFACOT CORPORATION	5/8/12				SPECIAL APPLICATION ONLY.
501.6	TAPPING SLEEVES	MJ – SERIES 2800	AMERICAN FLOW CONTROL, AMERICAN CAST IRON PIPE Co, ACIPCO					
501.6	TAPPING SLEEVES	MJ	CLOW					
501.6	TAPPING SLEEVES	MJ – H-615	MUELLER					
501.6	TAPPING SLEEVES	MJ	TYLER UNION					
501.6	TAPPING SLEEVES	FLANGED	DRESSER PIPELINE SOLUTIONS, GE OIL & GAS					
501.6	TAPPING SLEEVES	FLANGED – FTSC	FORD					
501.6	TAPPING SLEEVES	FLANGED – 412, 432	JCM					
501.6	TAPPING SLEEVES	FLANGED – FTS-420	ROMAC					
501.6	TAPPING SLEEVES	FLANGED - 622	SMITH-BLAIR					NSF-61-G
501.8	RESTRAINT SYSTEMS							

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501.8.1	FLEXIBLE RETAINER GLANDS	SERIES 1100 MEGALUG	EBAA IRON					QUALIFIES FOR BUY AMERICA
501.8.1	FLEXIBLE RETAINER GLANDS	WEDGE ACTION MJ RETAINER GLAND - UNIFLANGE – UFR 1400 SERIES	FORD					
501.8.1	FLEXIBLE RETAINER GLANDS	LUG STYLE MJ PIPE RESTRAINT GLAND - ROMAGRIP	ROMAC					
501.8.1	FLEXIBLE RETAINER GLANDS	WEDGE ACTION MJ RETAINER GLAND - ONE LOK –D-SLDE	SIGMA					CERTIFICATION WITH MANUFACTURING ORIGIN REQUIRED WITH EACH SHIPMENT.
501.8.1	FLEXIBLE RETAINER GLANDS	STARGRIP® - SERIES 3000 MJ WEDGE ACTION RESTRAINT	STAR PIPE PRODUCTS	4/26/2022				
501.8.1	FLEXIBLE RETAINER GLANDS	MJ FIELD LOK (4" THROUGH 12")	TYLER UNION/US PIPE AND FOUNDRY Co, LLC					PRODUCT IS PRIMARILY UNDER US PIPE HOWEVER IT'S OFFERED UNDER SEVERAL OF THE MCWANE INC COMPANIES AS WELL. ALLOWABLE ONLY WITH ACIPCO PIPE.
501.8.2	RESTRAINING GASKETS	FAST GRIP	AMERICAN CAST IRON PIPE Co, ACIPCO					USE ALLOWED WITH US PIPE, PAC STATES PIPE AND MCWANE PIPE.
501.8.2	RESTRAINING GASKETS	GRIPPER™RESTRAINING GASKETS	GRIPPERGASKET	8/28/2024				USE ALLOWED WITH US PIPE, PAC STATES PIPE AND MCWANE PIPE.
501.8.2	RESTRAINING GASKETS	SURESTOP 350 (SIZES UP THROUGH 24")	MCWANE, INC					USE ALLOWED WITH US PIPE, PAC STATES PIPE AND MCWANE PIPE.
501.8.2	RESTRAINING GASKETS	BARRACUDA® RESTRAINED JOINT (RJ) GASKETS	SPECIFICATION RUBBER PRODUCTS, INC.	2/13/2025				
501.8.2	RESTRAINING GASKETS	FIELD LOK 350 (SIZES UP THROUGH 24")	US PIPE AND FOUNDRY Co, LLC					USE ALLOWED WITH US PIPE, PAC STATES PIPE AND MCWANE PIPE.
501.8.3	RESTRAINING SLEEVES	SLEEVE COUPLING – 3800 SERIES MEGACOUPLING (SIZES 4" THROUGH 12")	EBAA IRON					QUALIFIES FOR BUY AMERICA
501.8.4	RESTRAINING FLANGES	SERIES 2100 MEGAFLANGE	EBAA IRON					QUALIFIES FOR BUY AMERICA
501.8.5	RESTRAINING COUPLINGS							
501.10	COUPLINGS AND CLAMPS							
501.10.1	EMERGENCY LEAK REPAIR CLAMP (1 1/2 INCH AND UNDER)	STYLE 360 REPAIR CLAMP	DRESSER PIPELINE SOLUTIONS, GE OIL & GAS					
501.10.1	EMERGENCY LEAK REPAIR CLAMP (1 1/2 INCH AND UNDER)	REPAIR CLAMP	FORD					
501.10.1	EMERGENCY LEAK REPAIR CLAMP (1 1/2 INCH AND UNDER)	REPAIR CLAMP	JCM					
501.10.1	EMERGENCY LEAK REPAIR CLAMP (1 1/2 INCH AND UNDER)	REPAIR CLAMP	MUELLER					
501.10.1	EMERGENCY LEAK REPAIR CLAMP (1 1/2 INCH AND UNDER)	3121AS	POWERSEAL					

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501.10.1	EMERGENCY LEAK REPAIR CLAMP (1 1/2 INCH AND UNDER)	REPAIR CLAMP	ROMAC					QUALIFIES FOR BUY AMERICA
501.10.1	EMERGENCY LEAK REPAIR CLAMP (1 1/2 INCH AND UNDER)	REPAIR CLAMP	SMITH-BLAIR					NSF-61-G
501.10.2	FULL CIRCLE REPAIR CLAMP (2 INCH AND ABOVE)	FULL CIRCLE REPAIR CLAMP	GLOW	10/22/2014				PRODUCT AVAILABLE UNDER McWANE?
501.10.2	FULL CIRCLE REPAIR CLAMP (2 INCH AND ABOVE)	FULL CIRCLE REPAIR CLAMP	DRESSER PIPELINE SOLUTIONS, GE OIL & GAS					
501.10.2	FULL CIRCLE REPAIR CLAMP (2 INCH AND ABOVE)	FULL CIRCLE REPAIR CLAMP	FORD					
501.10.2	FULL CIRCLE REPAIR CLAMP (2 INCH AND ABOVE)	FULL CIRCLE REPAIR CLAMP	JCM					
501.10.2	FULL CIRCLE REPAIR CLAMP (2 INCH AND ABOVE)	FULL CIRCLE REPAIR CLAMP	MUELLER					
501.10.2	FULL CIRCLE REPAIR CLAMP (2 INCH AND ABOVE)	FULL CIRCLE REPAIR CLAMP – 3121AS	POWERSEAL					
501.10.2	FULL CIRCLE REPAIR CLAMP (2 INCH AND ABOVE)	FULL CIRCLE REPAIR CLAMP	ROMAC					
501.10.2	FULL CIRCLE REPAIR CLAMP (2 INCH AND ABOVE)	FULL CIRCLE REPAIR CLAMP	SMITH-BLAIR					NSF-61-G
501.10.3	SERVICE SADDLE	SERVICE SADDLE – 3825, 3826	AY McDONALD					QUALIFIES FOR BUY AMERICA
501.10.3	SERVICE SADDLE	SERVICE SADDLE – 101B, 202B	FORD					
501.10.3	SERVICE SADDLE	SERVICE SADDLE – J979, J975	JONES, JAMES JONES CO					
501.10.3	SERVICE SADDLE	SERVICE SADDLE – BR1B, BR2B	MUELLER					
501.10.3	SERVICE SADDLE	SERVICE SADDLE – 325 SERIES 103 ONLY	SMITH-BLAIR					
501.10.4	FLEX (BOLTED) COUPLINGS	FLEX COUPLING	DRESSER PIPELINE SOLUTIONS, GE OIL & GAS					
501.10.4	FLEX (BOLTED) COUPLINGS	FLEX COUPLING – FC1, FC2, FC3	FORD					FC3 NOT FOUND... CHECK THIS PAGE
501.10.4	FLEX (BOLTED) COUPLINGS	FLEX COUPLING – 210	JCM					
501.10.4	FLEX (BOLTED) COUPLINGS	FLEX COUPLING	ROMAC					
501.10.4	FLEX (BOLTED) COUPLINGS	FLEX COUPLING	SMITH-BLAIR					
502	CONCRETE CYLINDER PIPE AND FITTINGS							

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503	STEEL PIPE AND FITTINGS							
504	COPPER AND BRASS PIPE AND FITTINGS							
504.2	COPPER PIPE	TYPE K SEAMLESS AND ANNEALED. LARGER THAN 1-INCH SHALL BE HARD DRAWN DESIGN. 1-INCH AND SMALLER SHALL BE SOFT DRAWN DESIGN.						
504.6	BRASS SERVICE FITTINGS	CORP STOPS, ANGLE METER STOPS, COUPLINGS, ANGLE METER VALVES	AY McDONALD					NSF 61-G, QUALIFIES FOR BUY AMERICA
		CORP STOPS, ANGLE METER STOPS, COUPLINGS, ANGLE METER VALVES	CAMBRIDGE BRASS					
		CORP STOPS, ANGLE METER STOPS, COUPLINGS, ANGLE METER VALVES	FORD					NSF 61-G
		CORP STOPS, ANGLE METER STOPS, COUPLINGS, ANGLE METER VALVES	JONES, JAMES JONES CO					UPDATE PARTS LINKS WHEN NSF 61-G INCORPORATED.
		CORP STOPS, ANGLE METER STOPS, COUPLINGS, ANGLE METER VALVES	MUELLER					
504.10	METER SETTERS/RESETTERS	METER SETTERS 70-80 SERIES (DRAWING B95035-04)	FORD					
		METER SETTERS DRAWING B2423-2-17, JULY 2000	MUELLER					
		METER SETTERS 105B2427-28N 105B2423-107N 107B2423-107N 095B2423-107N 695B2423-107N	MUELLER	04/17/2020				2" STANDARD SIZE, 1.5" ONLY ALLOWED ON AN EXCEPTION BASIS WITH PWB APPROVAL PER SETTER.
		METER RESETTERS	AY McDONALD					NSF 61-G, QUALIFIES FOR BUY AMERICA
		METER RESETTERS	FORD					
		METER RESETTERS	MUELLER					
505A	VALVES	GATE VALVES (IRON BODY) MJ EXCEPT FLG X MJ FOR HYDRANTS, 150 PSI FLG VALVES ALLOWED WHEN SPECIFIED BY PROJECT ONLY						SEE ALSO SCS SECTION 02480.
505.2	GATE VALVES – RESILIENT SEATED AWWA C509	GATE VALVE, BRONZE STEM – SERIES 25	AMERICAN AVK					
		GATE VALVE, STAINLESS STEEL STEM – SERIES 25	AMERICAN AVK					SPECIAL APPLICATION ONLY
		GATE VALVE – 2500 (2"-12" GATE VALVE – 2500 (14"-24"	AMERICAN FLOW CONTROL, AMERICAN CAST IRON PIPE Co, ACIPCO					NSF 61-G 4" THROUGH 66", NOT FOUND FOR 2". UL (MECHANICAL TESTING) ONLY FOUND THROUGH 24". NEED UPDATED CERTS FOR MISSING SIZES.
		GATE VALVE – RESILIENT WEDGE	CLOW					
		GATE VALVE – C509	KENNEDY VALVE					NSF 61-G
		GATE VALVE – 4067	M&H VALVE					NSF 61-G(DOES NOT INCLUDE 2")
		GATE VALVE – A2362	MUELLER	12/18/2019				
505.4	BUTTERFLY VALVES	BUTTERFLY VALVES	DEZURIK					

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		BUTTERFLY VALVES – MODEL 4500 (3" TO 24")	KENNEDY VALVE					
		BUTTERFLY VALVES – MODEL 4500 (3" TO 24")	M&H VALVE					CHECK MODEL NUMBER
		BUTTERFLY VALVES – MODEL 1450 (30" TO 48")	KENNEDY VALVE					
		BUTTERFLY VALVES – MODEL 1450 (30" TO 48")	M&H VALVE					
		BUTTERFLY VALVES – LINESEAL III	MUELLER					
		BUTTERFLY VALVES – GROUNDHOG, TRITON	PRATT, HENRY PRATT COMPANY					NSF 61-G
505.10	AIR RELEASE VALVE	AIR RELEASE VALVE – 050-RBX-2511	VENT-O-MAT					
505.11	SILENT CHECK VALVE	SILENT CHECK VALVE	DEZURIK/APCO WILLAMETTE					NOTE MANUFACTURER NAME CHANGE.
505.12	PRESSURE REDUCING VALVE	PRESSURE REDUCING VALVE – PILOT OPERATING (2-1/2-INCH AND UNDER)	CLA-VAL					
		PRESSURE REDUCING VALVE – 90G-01 (3-INCH AND ABOVE)	CLA-VAL					
		PRESSURE REDUCING VALVE – DIRECT ACTING (2-1/2-INCH AND UNDER)	WATTS					
505.14	PRESSURE RELIEVE VALVE	PRESSURE RELIEF VALVE – TYPE 1982	DRESSER PIPELINE SOLUTIONS, GE OIL & GAS					
505.15	BLOWOFF	BLOWOFF/AIR RELEASE TF-500	KUPFERLE FOUNDRY COMPANY					NOT TO BE USED AT THE END OF WATER MAINS
505B	METERS							
505.6	SMALL DOMESTIC METER	SMALL METER – RECORDALL 25, 35, 55, 70	BADGER METER	11/01/2012				NSF 61-G
		SMALL METER – 400 IIS	HERSEY METERS, MUELLER SYSTEMS					
		SMALL METER – T-10	NEPTUNE TECHNOLOGY GROUP					
505.8	LARGE METERS							
505.8.1	POSITIVE DISPLACEMENT METER	METER – T-10 (1-1/2-INCH AND 2-INCH) WITH AUTO READ REGISTER & TP	NEPTUNE TECHNOLOGY GROUP					
505.8.2	COMPOUND METERS	METER – TRU-FLO 2", 3", 4", 6" WITH AUTO READ REGISTER & TP	NEPTUNE TECHNOLOGY GROUP					
		METER – OMNI C2	SENSUS	09/13/2012				
505.8.3	DETECTOR DOUBLE CHECK	SECTION ELIMINATED. USE STATE OF OREGON LISTINGS AND REQUIREMENTS.						
505.8.4	TURBINE METERS	METER – HPT (HIGH PERFORMANCE TURBINE METER)	NEPTUNE TECHNOLOGY GROUP	09/13/2012				
		METER – W SERIES WITH INTEGRAL STRAINER WITH ICE REGISTER & TP	SENSUS					

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		METER – W SERIES WITH SEPARATE STRAINER WITH ICE REGISTER & TP	SENSUS					
		METER – OMNI T2	SENSUS	09/13/2012				
505.8.5	COMBINATION FIRE-DOMESTIC METER	METER – HP (HIGH PERFORMANCE) PROTECTUS III FIRE SERVICE METER	NEPTUNE TECHNOLOGY GROUP					
505C	BOXES, FRAMES AND COVERS							
505.16	CAST IRON VALVE BOX & CAST IRON METER BOXES							
505.18	METER BOXES, COVERS AND LIDS							COORDINATE ALL METER BOX PURCHASES WITH METER SHOP TO CONFIRM MOST CURRENT BOX NUMBERS AND DESIGNS.
		METER BOX, LID, AMI LID – DFW38C	DFW PLASTICS, INC.	7/13/2022				
		METER BOX, LID, AMI LID - DFW486	DFW PLASTICS, INC.	7/16/2019				
		METER BOX, LID, AMI LID - DFW1640	DFW PLASTICS, INC.	7/13/2022				
		METER BOX, LID, AMI LID - DFW1730	DFW PLASTICS, INC.	7/13/2022				
		METER BOX, LID, AMI LID - DFWBP4	DFW PLASTICS, INC.	7/13/2022				
505.20	24-INCH BY 36-INCH FRAME AND COVER	FRAME AND COVER EC-3-HD-PORT	SYRACUSE CASTINGS					OTHER SIZES IN THIS SERIES ACCEPTABLE FOR USE AS SPECIFIED
		FRAME AND COVER VSH-H20DP-A-24-36-S-GS-S	VERSAHATCH OF VERSASTEEL	4/12/12				OTHER SIZES IN THIS SERIES ACCEPTABLE FOR USE AS SPECIFIED
506	FIRE HYDRANTS	FIRE HYDRANT – MEDALLION 2545	CLOW					SEE ALSO SCS SECTION 02485
		FIRE HYDRANT – GUARDIAN K-81A 1546340615132POR	KENNEDY VALVE					MUST BE PORTLAND SPECIFIC MODIFIED HYDRANT AND INCLUDE STEEL ID TAG.
		FIRE HYDRANT – CENTURION A-423	MUELLER					
507	FIELD TESTING AND DISINFECTION							
507.2	SAMPLING STATIONS	SAMPLING STATION – ECLIPSE MODEL #88	KUPFERLE FOUNDRY COMPANY					
508	CORROSION							SEE CITY OF PORTLAND STANDARD CONSTRUCTION SPECIFICATIONS (SCS) SECTION 01180
509	VAULTS	VAULTS- SIZE VARIES	OLDCASTLE PRECAST (UTILITY VAULT)					

