



CITY OF KELOWNA

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COUNCIL POLICY MANUAL

APPROVAL DATE: 2002/07/29
RESOLUTION #: R650/02/07/29
REPLACING #: R59/99/01/25; R651/00/07/24
DATE OF LAST REVIEW: April 2006

SUBJECT: SUBDIVISION, DEVELOPMENT & SERVICING – APPROVED PRODUCTS LIST

This policy specifies the approved products to be used in the construction of Works and Services in the City of Kelowna. This list will be expanded and amended from time to time.

The list is to:

- (a) Standardize the products used between Water Improvement Districts and the City.
- (b) To limit the number of certain products that can be used within the City, to ensure that staff is trained to maintain those items, and to limit the inventory necessary for maintenance.
- (c) Make it easier for contractors and to minimize errors.

The City, subject to recommendation by the City Engineer, may approve products that satisfy the requirements of the respective Works & Utilities Divisions. For "Water" products, the Kelowna Joint Water Committee establishes the requirements. The respective Works & Utilities Managers will review Water, Wastewater, Drainage, Electrical, Parks, and Road and Transportation Products. Requests for product inclusion may be made to the respective Works & Utilities Manager.

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Waterworks

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2. Fittings & Appurtenances
3. Valves
4. Hydrants
5. Brass Service Fittings

Misc. Metals

Landscape Products

WATERWORKS DIVISION:

Legend:

- @ Subject to Engineers Design and Approval
- # Complete with Stainless Steel or Plated side bolts.

<u>Manufacturer</u>	<u>Make/Model</u>	<u>Size Range</u>	<u>Comments/Conditions</u>
1. Pipe			
<u>Water main</u>			
Ipex, Rehau, Flex-loc	PVC to C900	100 to 300mm	Only DR 18, class 150 or better as required.
	PVC to C905	100 to 900mm	
Canada Pipe	Ductile C151	250 to 900mm	Must be installed with Polyethylene encasement, and be cement mortar lined to AWWA C-104.



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<u>Manufacturer</u>	<u>Make/Model</u>	<u>Size Range</u>	<u>Comments/Conditions</u>
<u>Service Pipe</u>			
Noranda, Wolverine	Type k Copper	min. 20mm (3/4") max. 50mm (2")	Must conform to CSA HC.7.6 & ASTM B88
All Suppliers	Polyethylene	min. 25mm (1") max. 50mm (2")	Only Series 160 conforming to CAN/CSA-B137.1-M

2. Fittings & Appurtenances

Fittings

Terminal City	Iron	100 – 600 mm	C-153 Fittings only
Norwood Foundry	Iron	100 – 600 mm	C-153 Fittings only
Sigma Corporation	Iron	100 – 600 mm	C-153 Fittings only
Alf's Castings	C-153	100 – 300 mm	C-153 Fittings only
Ipex	PVC	150 – 200 mm	PVC

Restraining Joints

Ford Meter Box Co.	1300C, 1350C & 1390C	100 – 600 mm	# @
Smith Blair	Model 982	100 – 600 mm	# @
Sigma	PV – LOC Series	100 – 600 mm	# @
EBAA Iron	Series 1500 PVC	100 – 600 mm	# @
Canada Pipe	Thrust Loc Series	100 – 600 mm	# @



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WATERWORKS DIVISION:

<u>Manufacturer</u>	<u>Make/Model</u>	<u>Size Range</u>	<u>Comments/Conditions</u>
<u>Service/Tapping Saddles</u>			
Robar	2616DB	100 – 600 mm	Up to 25mm boss
	2506DS	100 – 600 mm	With stainless steel straps
	2706DS	100 – 600 mm	With stainless steel straps
Smith Blair	Type 357	100 – 600 mm	With stainless steel straps
Canada Pipe	SC-2	100 – 600 mm	Up to 25mm boss with
	CD-2	100 – 600 mm	stainless steel straps
Ford	FS303	100 – 600 mm	With Stainless steel band & bolts
	202 BS	100 – 600 mm	

Clamps & Couplers

Ford	FC1 & FC2A	100 – 600 mm	#
Robar	1406 & 1406R	100 – 600 mm	#
Smith Blair	411, 413, 415, 441, 611, 913 & 914	100 – 600 mm	#
Canada Pipe	Style CDB	100 – 600 mm	#
Sigma	Zip Flange	100 – 600 mm	#
Viking Johnson	Maxi-Fit & Maxi-Step	All sizes	#

3. Valves

Gate Valves

Terminal City	TC/Clow resilient	50 – 300 mm
Clow	Clow Resilient	50 – 300 mm
Mueller	Super-Seal	50 – 300 mm
Bibby St. Croix	Polyurethane	50 – 300 mm
	Wedge	
Mueller	C-151 A2361	350 – 400mm



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<u>Manufacturer</u>	<u>Make/Model</u>	<u>Size Range</u>	<u>Comments/Conditions</u>
<u>Butterfly Valves</u>			
Centerline	Series 200	350 mm +	
Pratt	Groundhog	350 mm +	
Mueller	Lineseal III	350 mm +	
Keystone	Type AR1 & AR2	350 mm +	
<u>Air Valves</u>			
Apco	143C, 145C, 147C 149C & 150C	25 – 150 mm	Internally Coated
Valmatic	201C, 202C, 203C & 204C	25 – 150 mm	Internally Coated
Crispin	All Models	25 – 150 mm	Internally Coated
Cla-Val	All Models	25 – 150 mm	Internally Coated
<u>Service Boxes</u>			
Meuller	A-726	20 – 25 mm	c/w Stainless Steel Rods & SS-RHD or MD-RHD Clevis Ends
	A-728	37 – 50 mm	
Trojan	VSB1	20 – 25 mm	c/w Stainless Steel Rods & SS-RHD or MD-RHD Clevis Ends
	VSB2	37 – 50 mm	
<u>Main Valve Boxes</u>			
Terminal City			Nelson Type
Alf's Casting			Nelson Type
Norwood Foundry			Nelson Type
Victoria Foundry			Nelson Type
Dobney Foundry	D-5		Nelson Type



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4. Hydrants

Hydrants

Terminal City	C-71-P		TCH1A only c/w Storz Fitting
Clow	Brigadier		c/w Storz Fitting
Canada Valve	Century		c/w Storz Fitting

5. Brass Service Fittings

Corporation Stops

Mueller	B-25008	20 – 50 mm	Full port only
A.Y. McDonald	4701BT	20 – 50 mm	Full port only
Ford	FB 1000	20 – 50 mm	Full port only
Cambridge Brass	Series 201	20 – 50 mm	Full port c/w new mueller gasket

Curb Stops

Mueller	B-25209	20 – 50 mm	Full port only
A.Y. McDonald	6100t	20 – 50 mm	Full port only
Ford	B44 Series	20 – 50 mm	Only full port models 333, 444, 555, 666 & 777
Cambridge Brass	Series 202	20 – 50 mm	

Service Line Couplers

Ford	C44 Series	20 – 50 mm	Models C44-1 to C44-88
Mueller	H-15403	20 – 50 mm	H15403, H15404 & H12940
Cambridge Brass	Series 118 & 119	20 – 50 mm	



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MISCELLANEOUS METALS DIVISION:

Landscape Products

Dobney Foundry Surrey, BC (604) 596-7407	Tree Grates SP48 Model Grate Colour: Black
Dobney Foundry Surrey, BC (604) 596-7407	Tree Guards Type 'B' Colour: Black
Dobney Foundry Surrey, BC (604) 596-7407	Bollards Style 'B' Colour: Black
Frances Andrews Surrey, BC (800) 656-6579	Bench Model #G24-311M Colour: RAL 5011
Frances Andrews Surrey, BC (800) 656-6579	Garbage Receptacle Model # R-31-1 Colour: RAL 5011

REASON FOR POLICY: To standardize products used for City infrastructure.

LEGISLATIVE AUTHORITY: *Local Government Act*, Sec. 938 "subdivision servicing requirements"; Subdivision, Development & Servicing Bylaw, Schedule 5, Sec. SO2666, 2.1.2; MMCD Volume III

PROCEDURE FOR IMPLEMENTATION: Policy and products referred to in contracts and engineering drawings.