



City of
**Campbell
River**

Development Services

Approved Utility Product List

2024

APPROVED PRODUCT LIST

Utility	Item	Type	Size	Approved Products	Comments	Date Approved
Waterworks	Fire Hydrants	Compression with lugs for tie rods	150mm inlet only	-Terminal City C71P -Canada Valve "Century" -Clow Brigadier M-93	Must come with Stortz nozzle on pumper port, painted black. Factory fit only. Hydrants to be painted Fire Red – Napa Metal Pro (industrial fast dry) #58837.	Updated June 2012
	Pipe	PVC	75mm-300mm DR25/18/14 class 100/150	-IPEX or J-M "Blue Brute"(100mm to 1200mm) -NAPCO Royal Pipe & Fittings (100mm to 450mm) -Rehau Aqualoc -Northern Pipe (100mm to 762mm)	Tracer wire laid in trench must be visible at all exposed points including valve boxes, risers and vaults.	Updated Nov 2019
	Pipe	Ductile Iron				
	Pipe	Steel				
	Water Service Pipe	HDPE Polyethylene	19mm-50mm	-IPEX Gold 901 -ReHau Municipex (PEXa) -PolyTubes "Muni" (PE-3608)	(CTS), Pipe with the stripe	Updated Jan 2020
	Tracer Wire	RWU 90 UL	10 Gauge (AWG)		XLPE insulation for direct burial applications only	January 2019
	Temporary Water Service pipe (Above ground)	Barbed or Compression	19mm-50mm 25mm-100mm	-Kuri Tec Series K6136 -Mandals-Aquaman	Street to Home Potable water hose- bypass applications	January 2017
	Pipe fittings: 90°, 45°, 22.5°, crosses, tees, wyes, reducers, & accessories	Cast Iron Ductile iron Compact ductile iron PVC	to 1035 KPa to 2415 KPa to 2415 KPa	-Terminal City -Sigma Corporation -Star Pipe Products -Blue Brute Moulded PVC	Flanged or push on only. IPEX or Royal Pipe	January 2017
	Flanged Coupling Adapters			-Robar 7404 -Romac FCA 501 -Star Pipe Products: SuperFlange series 7200, StarFlange series 3200, PVC StarFlange series 4200		Updated Dec. 2020

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Waterworks	Restrainers & Retainers	Ductile Iron PVC PVC (bell joint)	100mm-300mm	-Uni Flange series 1300 (PVC), 1350 -Uni Flange 1390, 1400 (DI), 1600 (PVC) -Robar 4400, 4450, 4452 -EBAA IRON Series 3800, 2000PV, 1506 TD, 2100 -Romac "612" -Clow Series 300 -Star Pipe Products Pipe Restrainers series 1000, Stargrip series 3000, PVC Stargrip series 4000	Wedge Action	Updated Dec. 2020
	Abandonment / SS Repair Clamp Sleeves	AC only	150mm to 600mm Mains and 12mm,19mm or 25mm Services	-Robar 6636 AS, 5626 (style 2) -Romac Style SS2 -Canada Pipeline, two section	If direct tap in main. CR-2 Model	Updated Dec. 2016
	Abandonment Compression Nut	PVC only	19mm-50mm	-Cambridge Brass Series # 90NL	To the discretion of the water department. Will be evaluated on a case-by-case basis. Consideration of saddle integrity.	January 2017
	Repair Clamps	Double bolted with or without tapped outlets	100 - 350mm Dia 200 to 600mm lengths	-Robar 5626 -Canpac Style CR2 -Canada Pipeline, two section	CR-2 Model	
	Tapping Sleeves	Ductile/PVC	75mm and larger	-Robar 6606, 6906, 6506 Romac SST, FTS -Smith Blair 622, 662		
	Curb Stops	Compression	19mm to 50mm	-Mueller 110 -Ford BH44-233 -Cambridge series 103		

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Waterworks	Corporation Stops	IP to Compression	19mm to 50mm	-Mueller H-15008 -Ford F-1000 -Cambridge series 103		
	Water Service Couplings	Compression	19mm-50mm	-Ford – Pack joint, Quick joint, Grip joint -Cambridge Brass – Series 105NL-172NL or 202NL-274NL or 301NL-361NL -Mueller 110 Compression Connection H Series	PVC, PEP, CTS	January 2017
	Service Saddles	DI, Iron, Steel, HDPE only	100mm-300mm	-Robar 2408DS -Canpac CD-2 -Robar 2706 -Canpac CDES-2 -Romic Style 202BS -Cambridge Brass-812	Bronze saddle w/ stainless straps Brass Saddles double wide SS Strap	
	Service Saddles	PVC-C900 only	100mm-300mm	-Canada Pipeline SC-2 SS, Double Bolt. -Robar 2706 -Romic Style 202BS -Cambridge Brass-812 -Cambridge Brass Series 8403 -Smith-Blair 372	Bronze / Brass saddle w/ stainless straps	Updated Jun 2024
	Service Saddles	AC	Service to 50mm	-Canada Pipeline, two section -Romic Industries Inc. -Robar 2600 Series Saddle (2616, 2626)	CR-2 Model 12", 16" or 24" length only. SS2, SL2 or CL2 Robar <u>2636 is Not Approved</u>	November 2022
	Couplings	AC / PVC / DI Cast iron		-Robar 1696 Multi Range -Hymax by Krausz -Romic Macro HP -Blue Brute Moulded PVC -Smith Blair 421 Series	All models	November 2022

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Waterworks	Restrained Couplings	PVC / HDPE Ductile Iron Cast Iron		-Alpha Wide Range Restrained Coupling -Multi/Joint 3000 Plus		Updated Nov 2023
	Pipe joint Protection		As Required	-Denso Petrolatum Tape Systems -Wrapid Bond-visco elastic adhesive based -Ship 2 Shore – PLID Wrap Anti-Corrosion Tape -Canus “JointWrap” cold applied pipe joint sleeve or equal -PetroWrap Anti-Corrosion Tape	Or approved equivalent. Note: this item is currently closed, and no new applications will be reviewed at this time.	Updated Nov 2023
	Epoxy Coatings			-Amercoat 395 -Bar-Rust 233H		January 2017
	Gate Valves	Resilient seated wedge gate	100mm – 300mm	-Clow model 2639 -Mueller A-2370 -AVK 03, 25/45 -Terminal City Series 3100-3700	Flanged or push on only	Updated Nov. 2019
	Gate Valves	Resilient seated wedge gate	350mm-600mm	-Terminal City Series 3100-3700	Flanged or push on only	Updated Nov. 2019
	Butterfly Valves			-Mueller Linesal II-XPII -DeZurik -Pratt HP250II & Groundhog	Flanged or push-on only.	January 2017
	Air Valves	Combination	25mm & 50mm only >50mm	-GA Industries – Kinetic Compact -Crispin model AL10, AL20 -H-Tec 986, 992 Set and 992 FP	Inlet & Outlet NPT, Standard Confirm capacity with manufacturer specs.	Updated Nov 2023
	Check Valves	Resilient Seat (Silent)	All Size	-Valmatic Silent Check Valves		
	Valve Boxes	Mainline		-Terminal City “Maple Ridge” MR -Victoria Foundry “Robar”	Use TC “NT” in non-paved areas	

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Waterworks	Service Boxes	Curb Stop		-Terminal City "NCR" Alf's Flat Tops		
	Vaults	Pressure Reducing Valve Chamber		-Lombard Precast -Highland Precast -AE Concrete		Updated June 2013
	Water Meters	pit style or dry installation	Meters are to be sized so that they register all water use, excluding fire flows.	-Neptune T-10 -Neptune Mach 10 -Neptune TRU/FLO Compound -Neptune HP Turbine -Neptune Protectus III	All meters must be 'Neptune CE5320 Data Collector compatible. Pit style must use lid mount pit antennae and compatible lid.	Updated Dec 2020
	Endpoints/MIUs	Water Meter		-E-CODER)R900i -ProCoder)R900i	Antennae to be installed where required.	Updated Dec. 2020
	Setter Idler	Brass or Cambridge P/N	15mm to 25mm	-450 Series (1-4) -Plastic Idlers		Apr. 2011
	Setter Idler	Cambridge	38mm to 50mm	-450 Series (5-6) -Brass Idlers		Apr. 2011
	Setters	Copper setter	15.625 to 25mm	-Mueller -Ford -Cambridge Brass	Full Flow – Dual Check with relief screw (Approved Idler to be used where no meter needed)	
	Meter Boxes	Concrete		-AE Concrete Type # 37, # 66, # 67 -Langley Concrete Group Type # 37, # 66, # 67	Full perimeter recess.	Updated Nov. 2019
	Meter Box Lids	Ductile Iron (Brooks Box)		-Dobney Foundry-No. 37LTROH	Lid must have recess hole and be stamped with Water Meter. Antenna must sit flush with the top of lid.	Updated January 2017

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Waterwork	Back-flow Preventers	Reduced Pressure / Double Check		-Watts -Febco -Wilkins/Zurn	Must be testable and installed according to AWWA Std.	January 2017
	Cathodic Test Point stations	Above Ground				
	Sump Pumps	Electric	19mm-100mm		No venturi type/ hydro power sump pumps permitted.	Updated Nov. 2022
	Health Barriers			Canus Cold Wrap		Updated Jun 2024
Sanitary	Air Release, Air/Vacuum, Combination, Valves	Force Mains		-Valmatic Combination Wastewater Valve	316 Stainless Steel Internal Trim Prefer non-stick fusion bonded Epoxy internal and external coatings	Updated Nov. 2019
	Pipe Gravity Mainline	PVC smooth	100mm to 150mm	-NAPCO Royal Pipe & Fittings -IPEX "Ring-Tite" -Northern Pipe		Updated Nov. 2019
	Pipe Gravity Mainline	PVC smooth	200mm to 1200mm	-NAPCO Royal Pipe & Fittings -IPEX "Ring-Tite" -Northern Pipe		Updated Nov. 2019
	Pipe Gravity Service	PVC smooth	100mm to 150mm	-NAPCO Royal Pipe & Fittings -IPEX "Ring-Tite" -Northern Pipe		Updated Nov. 2019
	Pipe	PVC Ribbed extruded seamless	200mm to 900mm	-NAPCO Royal Pipe & Fittings "Kor Flo" (200mm – 900mm) -IPEX "Ultra-Rib" (200mm-600mm)		Updated Nov. 2019

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Sanitary	Mechanical Couplings	Rubber couplings				Updated Nov. 2019
	Restrained Couplings	PVC / HDPE, Ductile Iron, Cast Iron		-Multi/Joint 3000 Plus		Updated Nov. 2023
	Pipe Fittings: Tees, Wyes, Bends, Reducers	PVC smooth				Updated Nov. 2019
	Pipe Fittings: Tees	Inserta Tee	100mm – 300mm	-NAPCO Royal Pipe Systems -Pro-line Fittings -Galaxy Plastics Ltd. “EZ Tee”	Inserta tees will not be permitted for new construction. Maximum service size to be at least 2 pipe sizes less than main. (see Subdivision & Development design standards Part 3 Sec 3.18)	Updated Nov. 2019
	Pipe Fittings: Wyes, bends, reducers, Tess	PVC ribbed			Inserta tees will not be permitted for new construction. Maximum service size to be at least 2 pipe sizes less than main.	Updated Nov. 2019
	Inspection Chambers & Backflow Preventers	Add A Flap Adapt A Valve	100mm – 150mm 200mm	-NAPCO Royal Pipe Systems -Pro-Line Fittings -Galaxy Plastics	c/w red (colour coded) lid	Updated Nov. 2019
	Manhole	Frame and cover			Designed to withstand H2O loading. Interchangeable with Alberni Foundry	Updated Nov. 2019
	Manhole	Cover Bolts	16mm (5/8 inch) by 75mm (3 inch)	Stainless Steel conforming to ASTM F593 or Hot Dip Galvanized Steel conforming to ASTM A307.	Stainless/Galvanized Steel assembly includes Carriage Bolts, Nuts and Washers.	Updated Jun 2024

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Utility	Item	Type	Size	Approved Products	Comments	Date Approved
San	Manhole	Adjustable Frame and Cover	C-18	-Dobney Foundry Ltd	Designed to withstand H2O loading. Must use never-seize and protective covering on adjustable bolts.	Updated Nov. 2019
	Manhole	Precast Reinforced Concrete Sections		-All precast concrete products that conform to ASTM C478M		Updated Dec. 2020
	Manhole	Adjusting Rings		-All precast concrete products that conform to ASTM C478M -IPEX Life saver Manhole Adjusting Rings	Must use SIKAFLEX adhesive	Updated Dec. 2020
	Manhole Base	Pre-Bench		-All precast concrete products that conform to ASTM C478M -GU Industries Plastic lined manhole base	Installed as per MMCD Specifications Section 33 44 01.22	Updated Dec. 2020
	Pipe	Weholite	>450mm (18")	-KPH	Used in 80" Galerno Culvert, electro fusion	
Storm	Pipe	Concrete	< 675mm			
	Pipe	Concrete	> 675mm			
	Pipe	PVC smooth	200mm to 375mm	-Royal Pipe Systems -IPEX "Ring-Tite" -Rauhau Abondloc -Northern Pipe -J-M Manufacturing		
	Pipe	PVC Ribbed diagonal	750mm and 900mm	-IPEX "Perma-Loc"		
	Pipe	PVC Ribbed extruded seamless	200mm to 900mm	-Kor Flo (200mm-900mm) -IPEX Ultra-Rib(200mm-600mm) -Rehau ArauRib≅(375mm-450mm)		
	Culverts	HDPE	450mm (min)	-Boss 2000 N-12 WT IB		Jan. 2017

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Storm	Tees	Inserta Tee	100 mm – 300mm	-Royal Pipe Systems -Galaxy Plastics Ltd. “EZ Tee”	Maximum service size to be at least 2 pipe sizes less than main. (see Subdivision & Development design standards Part 4 Sec 4.23)	June 2011
	Pipe Fittings: Wyes, bends, reducers	PVC smooth				
	Pipe Fittings: Wyes, bends, reducers	PVC rib to ribbed	375mm plus			
	Inspection Chamber	Add A Flap Adapt A Valve	150mm 200mm	-Royal Pipe Systems -Pro-Line Fittings -Galaxy Plastics	c/w green (colour coded) lid	Updated July 2018
	Manhole	Frame and cover		-Interchangeable with Alberni Foundry,		
	Manhole	Adjustable Frame and Cover	C-18	-Dobney Foundry Ltd	Must use never-seize and protective covering on adjustable bolts	
	Manhole	Pre-Cast sections		-All precast concrete products that conform to ASTM C478M		Updated Dec. 2020
	Manhole	Adjusting Rings		-All precast concrete products that conform to ASTM C478M -IPEX Life saver Manhole Adjusting Rings	Must use SIKAFLEX adhesive	Updated Dec. 2020
	Manhole Base	Pre-Bench		-All precast concrete products that conform to ASTM C478M -GU Industries Plastic lined manhole base	Installed as per MMCD Specifications Section 33 44 01.22	Updated Dec. 2020
	Catch basin	Frame and Grate	Rectangular	-Interchangeable with Dobney Foundry B19A Frame and Grate	Compatible with the Dobney Foundry B-39B side inlet hood. For use on Highways and Arterials roads with curb heights required to be reviewed by City.	Updated Nov 2023

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Storm	Catch basin	Adjustable Curb Inlet, Frame, and Grate		-Interchangeable with Dobney Foundry B-24ADJ / B-23 Grate	Or approved alternate	Updated Dec. 2020
	Catch basin	Precast concrete			As per Standard Detail Drawings	
	Catch basin	Adjusting Rings		-IPEX Life saver Manhole Adjusting Rings	Must use SIKAFLEX adhesive	
	Headwall	Pre-manufactured (Concrete or Composite)	Pipe size of 200mm – 1200mm	-Custom Industrial Fiberglass Ltd. -PRO-ECO-LITE -Lombard Pre Cast Inc. -Flex MSE (height, less than or equal to 600mm)		Updated Nov 2023
	Manufactured Oil/Sediment Trap Unit	In Precast Manhole		-Stormceptor -Contech Vortechs VortSentry	Size in accordance with specifications	Apr. 2011
	Geotextiles	Non-woven polyvalent		TEXEL080C	C Series for aggregate separation / filtration as in French Drain applications. Or approved alternate.	Updated Nov 2023

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Street Lighting	Lamp for Cobra Head lighting	LED		- GE Lighting -6800 Lumens, 3000K, Type II Distribution, Gray Finish, c/w shorting cap - 3900 Lumens, 3000K, Type II Distribution, Gray Finish, c/w shorting cap - Eaton Lighting -7200 Lumens, 3000K, Type II Gray Finish, 4700 Lumens, 3000K Type II Distribution, Gray Finish - Philips Lighting - 8024 Lumens, 3000K, Type II Distribution, Gray Finish - 4310 Lumens, 3000K, Type II Distribution, Gray Finish	Lighting along existing roads subject to approval from City of Campbell River. Must be from a major manufacturer. Alternates will be considered on a case-by-case basis	Jan 2018
	Lamp for typical local road	LED		-LED 'China Hat Style' poet top 3790 Lumens, Rounded Distribution, 3000K, Gray Finish	Must be from a major manufacture	Jan 2017
	Ornamental Street Lighting	Lumec Series Domus Series		-LED supporting lamps		Dec 2013
	Poles and fixtures			-Refer to Development Services and Community Planning	Lighting along existing roads subject to approval from City of Campbell River.	Dec. 2013
Signs	Round Post Break-out Coupler and Anchor Extension (Break Away Base)	To fit Galvanized Round Pole	50mm	-Inprotect - Anchor adapter part # HDAAA and complete top part # BOR 238-1316 Or -Break-out 2-3/8" round post coupler – complete part # BOR 238-1012	To be used when pole is to be placed in a finished concrete or asphalt surface	Apr. 2011
	Post Mounting Hardware	Round	50mm			
	Stop Sign Blades			-600mm x 600 mm stop signs for local roads.	All stop signs to be Diamond Grade	Apr. 2011

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				-750mm x 750mm stop signs for arterial and collector roads (Road classification as per OCP map 9)		
	All Other Sign Blades					Apr. 2011
Landscaping	Sprinkler Systems	Sprinkler heads Check Valves Piping		-Rainbird -Nelson -Toro -Hunter	Or as specified on contract drawings	Apr. 2011
	Sprinkler Systems	Controllers		-Toro		Apr. 2011
	Retaining Walls	Lock + Load		-A.E. Concrete Precast Products Ltd.		Apr. 2011
	Retaining Walls	Allen Block		-Allan Block Corporation		Apr. 2011
	Retaining Walls	Retaining Blocks		-Redi-Rock -Flex MSE		Updated Nov 2023

***Where certification is not available, product acceptance will be viewed on a per case basis by the Approved Utility Product List Review Committee.**

****Where approval from Development Services is required, please contact the department directly at 250-286-5725.**

*****All products must, at a minimum, conform to the most current applicable MMCD Reference Specifications.**