



City of  
**Campbell  
River**

**Development Services and Community Planning**

**Approved Utility Product List**

**December 2020**

---

**APPROVED PRODUCT LIST**

Utility	Item	Type	Size	Approved Products	Comments	Date Approved
<b>Waterworks</b>	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

**APPROVED PRODUCT LIST**

Utility	Item	Type	Size	Approved Products	Comments	Date Approved
<b>Waterworks</b>	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		

APPROVED PRODUCT LIST

Utility	Item	Type	Size	Approved Products	Comments	Date Approved
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	Bronze / Brass saddle w/ stainless straps	January 2017
	Service Saddles	AC	Service to 50mm	-Canada Pipeline, two section -Romic Industries Inc.	CR-2 Model 12", 16" or 24" length only SS2, SL2 or CL2	January 2017
	Couplings	AC / PVC / DI Cast iron		-Robar 1408, 1506 -Robar 1726 Multi Range -Hymax by Krausz -Romic Macro HP -Romic series 501 -Blue Brute Moulded PVC -Smith Blair 421 Series	All models	January 2018

APPROVED PRODUCT LIST

Utility	Item	Type	Size	Approved Products	Comments	Date Approved
Waterworks	Restrained Couplings	PVC / HDPE Ductile Iron Cast Iron		-Alpha Wide Range Restrained Coupling		Oct. 2016
	Pipe joint Protection		As Required	-Canus "JointWrap" cold applied pipe joint sleeve or equal -PetroWrap Anti-Corrosion Tape -Denso Petrolatum Tape Systems -Wrapid Bond-visco elastic adhesive based		Nov. 2011  January 2017
	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	-GA Industries – Kinetic Compact  -Crispin model AL10, AL20	Inlet & Outlet NPT, Standard	January 2017
	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	
	Service Boxes	Curb Stop		-Terminal City "NCR" Alf's Flat Tops		

APPROVED PRODUCT LIST

Utility	Item	Type	Size	Approved Products	Comments	Date Approved
Waterworks	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

**APPROVED PRODUCT LIST**

Utility	Item	Type	Size	Approved Products	Comments	Date Approved
<b>Waterworks</b>	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	Water Powered & Electric	19mm-100mm	Cla-Val model 124-01, 624-01		January 2019
<b>Sanitary</b>	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
	Mechanical Couplings	Rubber couplings				Updated Nov. 2019

**APPROVED PRODUCT LIST**

Utility	Item	Type	Size	Approved Products	Comments	Date Approved
<b>Sanitary</b>	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	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



**APPROVED PRODUCT LIST**

Utility	Item	Type	Size	Approved Products	Comments	Date Approved
<b>San</b>	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
<b>Storm</b>	Pipe	Weholite	>450mm (18")	-KPH	Used in 80" Galerno Culvert, electro fusion	
	Pipe	Concrete	< 675mm			
	Pipe	Concrete	> 675mm			
	Pipe	PVC smooth	200mm to 375mm	-Royal Pipe Systems -Iplex "Ring-Tite" -Rauhau Abondloc -Northern Pipe -J-M Manufacturing		
	Pipe	PVC Ribbed diagonal	750mm and 900mm	-Iplex "Perma-Loc"		
	Pipe	PVC Ribbed extruded seamless	200mm to 900mm	-Kor Flo (200mm-900mm) -Iplex Ultra-Rib(200mm-600mm) -Rehau ArauRib≅(375mm-450mm)		
	Culverts	HDPE	450mm (min)	-Boss 2000 N-12 WT IB		Jan. 2017
	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			

**APPROVED PRODUCT LIST**

Utility	Item	Type	Size	Approved Products	Comments	Date Approved
<b>Storm</b>	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 Albarni 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 -Iplex 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	Updated Dec. 2020
	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		-Iplex 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.			

APPROVED PRODUCT LIST

Utility	Item	Type	Size	Approved Products	Comments	Date Approved
Storm	Manufactured Oil/Sediment Trap Unit	In Precast Manhole		-Stormceptor -Contech Vortechs VortSentry	Size in accordance with specifications	Apr. 2011
	Open Drain	PVC	100-200mm	-NDS Pro Series	PVC grate in Blvd application H-20 loading grate in road application **Specific approval from Land Use Services is required.	
Street Lighting	Lamp for cobrahead lighting	LED		- <b>GE Lighting</b> -6800 Lumens, 3000K, Type II Distribution, Gray Finish, c/w shorting cap - 3900 Lumens, 3000K, Type II Distribution, Gray Finish, c/w shorting cap - <b>Eaton Lighting</b> -7200 Lumens, 3000K, Type II Gray Finish, 4700 Lumens, 3000K Type II Distribution, Gray Finish - <b>Philips Lighting</b> - 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

**APPROVED PRODUCT LIST**

Utility	Item	Type	Size	Approved Products	Comments	Date Approved
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. -750mm x 750mm stop signs for arterial and collector roads (Road classification as per OCP map 9)	All stop signs to be Diamond Grade	Apr. 2011
	All Other Sign Blades					Apr. 2011
Landscaping	Sprinkler Systems	Sprinkler heads Check Valves Piping		-Rainbird -Nelson -Toro -Hunter	Or as specified on contract dwgs	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		Jan 2020

**\*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 and Community Planning is required, please contact the department at 250-286-5725.**

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