

VERIFIED TECHNOLOGIES FOR DRINKING WATER SYSTEMS
JULY 2024

W500D

For all inquiries and verification requests please email Infrastructure.Standards@Barrie.ca

		VERIFICATION CRITERIA				
PRODUCT	MATERIAL TYPE	INDUSTRY STANDARD(S)*	CITY OF BARRIE REQUIREMENTS	MANUFACTURER	CATALOGUE #/IDENTIFIER	COMMENTS
PIPE						
Watermain up to and including 300mm diameter	Ductile Iron with Polyethylene Encasement	Class 52 AWWA C104 AWWA C111/A21.11 AWWA C150 AWWA C151 AWWA C105 ANSI A21.5	6 metres in length, Push-on Joint Pipe rounding per manufacturers specifications	U.S. Pipe	Tyton® Joint Pipe	
				Canada Pipe Company ULC	Tyton® Joint Pipe	
				Atlantic States	Tyton® Joint Pipe	
				Clow Water Systems	Tyton® Joint Pipe	
				Pacific States	Tyton® Joint Pipe	
				Griffin Pipe Products	Tyton® Joint Pipe	
				McWane Ductile/Canada Pipe	TR Flex	
	Ductile Iron with Zinc/Epoxy & Polyethylene Encasement	Class 52 AWWA C104 AWWA C111/A21.11 AWWA C150 AWWA C151 AWWA C105 ANSI A21.5	6 metres in length, Push-on Joint Pipe rounding per manufacturers specifications	Electrosteel USA	Nublu	Exterior coating to be 200g/m2 + epoxy top coat coloured to match intended use.
	Polyvinyl Chloride (PVC)	Class 150, SDR 18 AWWA C900 CSA B137.3	Push-on Joint, Colour Coded "blue", 6.1 metres in length	IPEX	Blue Brute	Factory Capped
				Westlake Pipe & Fittings	CIOD PVC P.P.	
				JM Eagle	Blue Brute CSA	
Diamond Plastics Corp.				C900CSA		
National Pipe Inc.				Dura-Blue		
NEXT Polymers				AQUALOC		
Molecularly Oriented Polyvinyl Chloride (PVCo)	AWWA C909 CSA B137.3.1	Push-on Joint, Colour Coded "blue", 6.1 metres in length	IPEX	Bionax	Factory Capped	
			Westlake Pipe & Fittings	Aquamax		
Watermain 400mm Diameter	Polyvinyl Chloride (PVC), DR18	Class 150, SDR 18 AWWA C905 CSA B137.3	Push-on Joint, Colour Coded "blue", 6.1 metres in length	IPEC	Centurion	
				Westlake Pipe & Fittings	CIOD PVC P.P.	
				Diamond Plastics Corp.	C900	
				NEXT Polymers	AQUALOC	
Watermain 400mm diameter and larger	Fibreglass Reinforced Pipe	AWWA C950 NSF-61 AWWA M45 Manual		Thompson Pipe Group/Corix Water Products	Flowtite FRP Pipe	
	Prestressed Concrete Pressure Pipe 500mm and larger	AWWA C301 AWWA C304	Push-on Joints (deep joints)	Decast	E-301, L-301	Mortar Collar Diaper required at all joints, performance bedding required
				Forterra		
	Ductile Iron with Polyethylene Encasement	AWWA C104 AWWA C115 AWWA C150 AWWA C151	6 metres in length, Push-on Joint Pipe rounding per manufacturers specifications	U.S. Pipe	Tyton® Joint Pipe	
				Canada Pipe Company ULC	Tyton® Joint Pipe	
				Atlantic States	Tyton® Joint Pipe	
Clow Water Systems				Tyton® Joint Pipe		
Pacific States				Tyton® Joint Pipe		
Griffin Pipe Products				Tyton® Joint Pipe		
McWane Ductile/Canada Pipe	TR Flex					

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	Ductile Iron with Zinc/Epoxy & Polyethylene Encasement	CLASS 250 AWWA C105 AWWA C111/A21.11 AWWA C150 AWWA C151 AWWA C105 ANSI A21.5	6 metres in length, Push-on Joint Pipe rounding per manufacturers specifications	Electrosteel USA	Nublu	Exterior coating to be 200g/m2 + epoxy top coat coloured to match intended use.
SERVICES						
Water Services	Copper - 25mm to 50mm	AWA C800 ASTM B88	Type "k", 3rd Party (W.H.) soft copper		as per manufacturer	
	Cross-linked Polyethylene - 25mm to 50mm	AWWA C904 ASTM F876/F877 ASTM F2080 CSA B137.5 NSF-14 NSF-61	Cross-linked polyethylene (PEX) Tubing	Rehau	Municipex, Blue 904	Municipex valves and fittings conform with AWWA C800. C800 applies to "Underground Service Line Valves and Fittings" Appropriate Standard C904 "Cross Linked Poly Services" Suggest NSF Standard 14 and 61
				IPEX		
				CB Supplies Limited	CANPEX Ultra (Without Tracerwire)	
				CB Supplies Limited	CANPEX UV PLUS (Without Tracerwire)	
			CB Supplies Limited	LYNX-PEX Water Service Tubing		
Corporation (Main) Stop	No Lead Alloy - 25mm to 50mm	AWWA C800 NSF-61 ASTM B-62 ASTM B-584 NSF-372	Ball Valve, Compression Joint	Cambridge Brass	301NL-A4HE4 301NL-A6HE6 301NL-A7HE7	Stainless Steel Saddles to be used on all PVC Pipe. Rockwell Type Double Solid Band Saddles for 38mm and up on DI or Cast Main. Must have a set screw for accepting tracer wire when connecting to Cross-linked Polyethylene piping.
			Ford Meter Box Company	FB1000-4-TW-Q-NL FB1000-6-TW-Q-NL FB1000-7-TW-Q-NL		
Curb Stop	No Lead Alloy - 25mm to 50mm	AWWA C800 NSF-61 ASTM B-62 ASTM B-584 NSF-372	Ball Valve, Compression Joint, Non-Draining	Mueller Canada	B-25209N	Set screw for accepting tracer wire on one nut (road side) required when connecting to Cross-linked Polyethylene Service Piping
				Cambridge Brass	202NL-H4HE4 202NL-H6HE6 202NL-H7HE7	
				Ford Meter Box Company	B44-444-TW-Q-NL B44-666-TW-Q-NL B44-777-TW-Q-NL	
Service Boxes	Epoxy Coating Cast Iron	N/A	Epoxy Coated Lid	Mueller Canada	A724/A728 A800	Extension required if special depths are encountered (as per manufacturers recommendations)
				Clow Canada	D1 D3	
				Bibby Ste Croix	VSB1 VSB2	
				Cedar Infrastructure Products LP	N3909-NOSSRMSP60 N0909-NOSSRMSP66	
				DomCast Metals	DF900 Series DF900LB	
Service Box Rods	Stainless Steel	N/A	36" Stainless Steel, Self Centering, Brass Cotter Pin	Mueller Canada	88036	Longer stainless steel rod required if special depths are encountered. (as per manufacturers recommendations)
				Clow Canada	T4-36	
				Cedar Infrastructure Products LP	N3909-SSR	
				DomCast Metals	DF936B	

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SERVICES CONTINUED						
Service Saddles	Ductile Iron Watermain (38mm to 50mm)	AWWA C800 AWWA C213 ASTM A536 ASTM D2000 ASTM A240 NSF-61	Ductile Iron, Double Strap, AWWA Tapered Threads	Smith-Blair	313	(Service Saddles are mandatory on all watermains)
				Ford Meter Box Company	F202	
				Robar	2408	
				Cascade	CSC2	
	PVC Watermain (25mm to 50mm)	NSF-61	Type 304 Stainless Steel including hardware, Double Bolt, Broad Band, AWWA Tapered Thread	Smith-Blair	373	(Service Saddles are mandatory on all watermains)
					3742	
				Ford Meter Box Company	FS303DB, FS313	
				Cambridge Brass (Teck Saddle)	Up to 400 mm Series 403DB	
				Robar	Up to 300mm 2616DB Up to 400mm 2626DB	
		Cascade	CSC2			
Integral one piece service saddle and corporation stop	PVC Watermain (25mm)		Type 304 Stainless Steel including hardware, Double Bolt, Broad Band, Integral Valve with Compression Fitting	Cambridge Brass (Teck Saddle)	8413NL Series	(Service Saddles are mandatory on all watermains)
Tapping Sleeves	Ductile Iron	ASTM D2000 ASTM A3 AWWA C223 NSF-61	Order with Stainless Steel Bolts; MJ Outlet; Epoxy Coating	Ford Meter Box Company	FTSS	
					FTSC	
				Robar	6906	
				Smith-Blair	622	
	PVC	AWWA C223 AWWA C207 NSF-61 ASTM D2000	Stainless Steel; MJ Outlet; Full Surround Girded Gasket	Mueller Canada	H-621	
				Smith-Blair	663	
				Robar	6606	
				Ford Meter Box Company	Fast Tap	
Couplings	No Lead Variety - 25mm to 50mm	AWWA C800 NSF-61 NSF-372 ASTM B584 ASTM B62		Mueller Canada	H-15403	No Lead Variety
				Ford Meter Box Company	C44-77	
				Cambridge Brass	119NL-B4B4	
					119NL-B6B6	
				McDonald Brass	4758T	
Angle Meter Stops	25mm	AWWA C800 AWWA C700 ASTM B62 ASTM B584 NSF-61 NSF-372	Full Port, No Handle	Ford Meter Box Company	BA43-444W-NL	No Lead Variety
				McDonald Brass	74602B-22	
				Cambridge Brass	210NL-B4T4	
	25mm x 19mm	AWWA C800 AWWA C700 ASTM B62 ASTM B584 NSF-61 NSF-372	Full Port, No Handle	Ford Meter Box Company	BA43-342W	No Lead Variety
				McDonald Brass	4182-059	
				Cambridge Brass	210NL-B4T3	

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FITTINGS						
Fittings	Ductile Iron + PVC	AWWA C110/A21.10	Mechanical Joint, Ductile Iron Body and Glands cement lined seal coat to AWWA C104/A21.4	TylerUnion/Biddy	as per manufacturer	
		AWWA C153/A21.53		Sigma		
		AWWA C111/A21.11		Star		
		ASTM A536				
		NSF-61				
		NSF-372				
	Polyvinyl Chloride (PVC)	AWWA C900	Push-on Joint CSA B137.2 (100mm to 200mm only). Must have integral joint restraint or be external mechanical restraint capable.	IPEX	Blue Brute	
		AWWA C907		Westlake Pipe & Fittings	CIOD PVC P.P.	
		AWWA C905		Harrington Corp	HARCO C907	
		NSF-61		Utility Supply Corporation	RCT Flex-tite Fitting	
		CSA 137.2 & 137.3				
		ASTM D1784				
All Pipe Material	AWWA C219	Multi/Joint to connect different pipe materials together with similar OD ranges.	George Fischer	Multi/Joint 3000 Plus		
	AWWA C111/A21.11					
	AWWA C153/A21.53					
	ASTM F1476					
Couplings	Ductile Iron/PVC	AWWA C110/A21.10	Mechanical Joint, Ductile Iron Body and Glands cement lined seal coat to AWWA C104/A21.4	Sigma	as per manufacturer	
		AWWA C153/A21.53				
		AWWA C111/A21.11				
		ASTM A536				
		AWWA C115/A21.15				
		CSA B16.1				
	Dresser Type for DI, CI, PVC and HDPE (Use Hymax Only)		Epoxy Coated	Robar	as per manufacturer	
				Smith-Blair	as per manufacturer	
				TPS	HYMAX	
				EBBA	3800 Mega Coupling	
	Cast Iron/Oversized Main	AWA C219	DI Bodies, Stainless Steel Nuts and Bolts	Robar	1406	
		ASTM A536		Smith-Blair	441	
ASTM D2000		Dresser		as per manufacturer		
AWWA C111		TPS		HYMAX 2000		
	NSF-61					

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FITTINGS CONTINUED						
Restraining Glands	Ductile Iron Watermain	ASTM A536 AWWA C111/A21.11 AWWA C153/A21.53 AWWA C110/A21.10 AWWA C104/A21.4 AWWA C150/A21.50	Colour Code "black" for Ductile Iron Use. Tie Rods stainless steel.	Smith-Blair	Cam-Lock 111	
				Star	Stargrip	
				Ford Meter Box Company	Uni-Flange Series 1400	
				Sigma	One-Lok	
				Clow	TUFGrip-TGP	
	PVC Watermain	AWWA C110/A21.10 ASTM A536 AWWA C151/A21.51 AWWA C150/A21.50 AWWA C111/A21.11 AWWA C153/A21.53 AWWA C909	Tie Rods Stainless Steel. The split ring restraint design shall incorporate a series of non-directional machined serrations (not "as cast") on the inside diameter to provide positive restraint, exact fit, 360 degree contact and support of the pipe wall. *If machined serrations are directional, additional safeguards must be built into casting.	Star	Stargrip	
				Ford Meter Box Company	Uni-Flange Series 1400	
				Sigma	One-Lok, PV-Lock	
				Clow	TUFGrip-TGP	
				Smith-Blair	Cam-Lock 120	
	PVCo Watermain	AWWA C110/A21.10 ASTM A536 AWWA C151/A21.51 AWWA C150/A21.50 AWWA C111/A21.11 AWWA C153/A21.53 AWWA C909	Tie Rods Stainless Steel. The split ring restraint design shall incorporate a series of non-directional machined serrations (not "as cast") on the inside diameter to provide positive restraint, exact fit, 360 degree contact and support of the pipe wall. *If machined serrations are directional, additional safeguards must be built into casting.	Sigma	PV-LokPWPF	PVCo to PVC Fitting
					PV-LokPWPF	PVCo to PVCo
					One-Lok SLC	PVCo to Mech-Joint Fitting
				Clow	TUFGrip	PVCo to Mech-Joint Fitting
				Star	StargripPVCo	PVCo to PVCo
Repair Clamps	Stainless Steel		All repair clamps to be supplied with stainless steel (passive 304) nuts and bolts. Tapered Gaskets.	Total Piping Solutions	EZ-Maxplus	Excluding (100mm x 19mm AWWA)
				Cambridge Brass	as per manufacturer	
				Clow Canada	Series 200	
VALVES						
Gate Valve	Resilient Seated Gate Valve M.J. x M.J.	AWWA C509 ASTM A536 AWWA C515 AWWA C550 ASTM A126 NSF-61	52mm Square Nut, M.J. x M.J. (100mm - 600mm) open counter clockwise, Resilient Seated Gate, Epoxy Coating	Mueller Canada	A2361-23	
				Clow	F-6100 (A2369/2340)	
				Avk	Series 25/00	
				Bibby Ste Croix	as per manufacturer	
Tapping Valve	Resilient Seated Valves Tapping	C509 ASTM A536	Flange x M.J. 150mm to 300mm, Open Counter clockwise, 52mm Square Nut, Epoxy Coated	Mueller Canada	H-687	
				Clow	F-6114	
				Bibby Ste Croix	as per manufacturer	
				Avk	25/30081	
Butterfly Valve		AWWA C504 AWWA C516 NSF-61 NSF-372	Greater Than or Equal To 750mm Only	Pratt	Groundhog	
				Crispin Valve	F47 Series	

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Air Release	Air Release Valve Combination/Direct Bury	AWWA C512 ASTM A126 Class B ASTM D429 AWWA C515 AWWA C550 ASTM A126 AWWA C606	I.P. Thread x I.P. Thread (Ball Type) 150mm Cover	A.R.I	D-090-P	
					D-040-C	
					S-050-C	
				APCO	Model #65	
				Clayton Valve	34AR-332-3/4"	
				Bibby Ste Croix	VB800	
VALVES CONTINUED						
Pressure Reducing	Pressure Reducing and Check Valve	AWWA C510 ASTM A216 ASTM A536 ASTM B148 ASTM B62 NSF-61	Flange x Flange (Note: City of Barrie to supply contractor with the appropriate pressure range)	Clayton Valve	90-01	
Check Valve	Flexible Disc Check Valve	AWWA C508 ASTM A536, Grade 65-45-12 ANSI B16.1, Class 125 NSF-61 NSF-372	Position Indicator, Backflow Actuator, Surge Inhibitor, Limit Switch	Henry Pratt Company	RD Series Flexible Disc Check Valve	
Valve Box	Grey Cast Iron	N/A	Slide Type	Bibby Ste Croix	VB875	Verified components of valve box systems include upper and lower section, extensions, lid and guide plate.
					VB700	
					VB705	
					VB710	
				Sigma	VB4500	
					VB4253	
					VB4401	
					VB4400	
					VB4512	
					VB4518	
				Cedar Infrastructure Products LP	VB4524	
					VBPR4400	
					N3907	
					N3908	
DomCast Metals	DF64 Series					
Valve Stem Extension		N/A	Required for additional depth over 1.7 metres; 52mm top operation c/w set screw; *contractor to supply required length	Bibby Ste Croix	VB950	
					VB959	
				Concord/Daigle	as per manufacturer	
				Mueller Canada	218/758 (Nut)	
Backflow	Reduced Pressure Principal Back Flow Preventer	AWWA C511 CSA B64.4		Watts	#909 Series	c/w Mechanical Indicator
				Val-Matic	Swingflex 500	

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HYDRANTS						
Hydrant		AWWA C502 ASME B16.1 OPSS 441 Can/ULC-S520-07	1.98 Metres (6'6") Barrel Length Chrome Yellow; Post type dry barrel compression shutoff with ball valve closing with flow; M.J. Elbow, 5" Valve Ball, 2 CSA Standard Hose Connections (2½" Nominal), 4" Storz threadless pumper connection as per NFPA 1963 and AWWA C502, Breakaway Flange, Self Draining	Clow	D67M Premier	Storz connections must be supplied by manufacturer specific to the Hydrant. Bibby hydrants may be installed in Private Applications Only .
				Canada Valve	Century	
				AVK	2780	
				Bibby Ste Croix	Sentinel	
Post/Yard Hydrant				Kupferle	Mainguard Model #77	
				Mueller Canada	A-410	
CHAMBERS						
Pressure Reducing Chamber Station	Steel - Fusion Bonded Epoxy	ASTM A36 ASTM A500 CSA C22.1/C22.2 no. 108 National Electrical Code	Minimum plate thickness 6mm	Engineered Fluid Inc.	as per manufacturer	H-20 Vehicle Loading
Water Chambers	Watertight Precast Concrete	OPSD 1108.010	2 Piece Monolithic Construction		as per manufacturer	H-20 Vehicle Loading
CORROSION PROTECTION						
Anodes	High Potential Magnesium Anode	ASTM B843 OPSS 442	Grade M1C Magnesium Anodes: 14.5kg	Interprovincial Corrosion Control Company	MAXMAG 17D3GG	
Reference Electrode	Zinc	ASTM B418 - Type 2		Bren Technologies	Magnesium Anode	
Test Station				Pro-Mark	PM-TS5	H-20 Vehicle Loading, Secure - Flush Mount
Sacrificial Caps	Cathodic Protection (Nuts and Caps)	ASTM B418 - Type 2	99.9% High Grade Zinc, Steel Core, Coated with Low Resistant Depolarizing Material: 175 grams	Maple Agencies - Exothermal Industries	Protecto Caps 175P190	
				Duratron	DSN0750	
				Bren Technologies	SAP CAP	
				Integrity Pipeline Ltd.	Integrity Cap	
Protective Coatings	Petrolatum tape system comprised of primer, mastic, and cold applied tape	AWWA C217 NACE RP0375 CSA Z245.30		Interprovincial Corrosion Control Company	PetroWrap	
				Denso North America	Denso Wrap	
				Chase Protective Coatings	Long Wrap	
Protective Overwrap	Polyethylene	AWWA C105		Bren Technologies / PCS	PCS Petro Coating Systems	
METERING						
Water Meter 19mm - 50mm		C700-2.3m ³ /hr - 18.0m ³ /hr	Encoder Register	Sensus	Model ECR, DR	SRII, Omni (38mm, 50mm), Accustream
Water Meter 75mm		AWWA C702 ANSI Class 125 NSF-61 NSF-372	5m ³ c/w Touch Pad Compound Meter Operating Range 1 1/2 to 320 GPM (0.11 to 72.6m ³ /h), Accuracy of 100% +/- 1.5% of Actual Thruput Flanged 3" Round Single Register to Read High and Low Flows	Sensus	3" OMNI C2	
Water Meter 100mm		AWWA C702 ANSI Class 125 NSF-61 NSF-372	5m ³ c/w Touch Pad Compound Meter Operating Range 1 1/2 to 320 GPM (0.11 to 72.6m ³ /h), Accuracy of 100% +/- 1.5% of Actual Thruput Flanged 3" Round Single Register to Read High and Low Flows	Sensus	4" OMNI C2	
Water Meter 150mm		AWWA C702 ANSI Class 125 NSF-61 NSF-372	5m ³ c/w Touch Pad Compound Meter Operating Range 1 1/2 to 320 GPM (0.11 to 72.6m ³ /h), Accuracy of 100% +/- 1.5% of Actual Thruput Flanged 3" Round Single Register to Read High and Low Flows	Sensus	6" OMNI C2	

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Meter Wire		CSA Type CMG, LL3996	22 Gauge 3 Conductor, Metgrey, Temperature: 60°C, Flame Rating - FT4			
Pit Setter	Plastic		Lockable Lid	Ford Meter Box Company	PTMBB-788-36-xx-NL MC-36HH-MB-T	Minimum Depth 1.5m
Splice Kits				3M Scotchlok	UY2 (For Meter Wire)	
AUTOMATIC FLUSHING STATIONS						
Automatic Flushing Station			Lockable, with dechlorination, sampling point, 50 mm (2 inch) inlet, PVC pipe, 1.8 m (6 feet) bury depth	Mueller Canada	Hydro-Guard HG-4 cold climate model	
Automatic Flushing Station			Lockable, with siphon dechlor system and dechlor basket, sampling point, 50 mm (2 inch) inlet, 1.8 m (6 feet) bury depth	Kupferle	Eclipse 9800 cold climate model	
TRACER WIRE SYSTEMS						
Tracer Wire (Open Cut Installations)			#12 AWG (0.0808" diameter) high strength copper clad steel conductor (HS-CCS) insulated with a 30mm, high density polyethylene (HDPE) insulation, rated for direct burial use at 30 volts	Electrical Suppliers	HF-CCS PE45	Wire to be Colour Coded Blue = Water Green = Sanitary
				Canada Wire	as per manufacturer	
				Phillips	as per manufacturer	
				Maple	as per manufacturer	
				Pirrelli	as per manufacturer	
				Copperhead	as per manufacturer	
				Pro-Line	as per manufacturer	
#12 AWG (0.808" diameter)	DomTech	260TWU121BL/260TWU121GR				
	DomTech	260RWU121BL/260RWU121GR				
Tracer Wire (Directional Drilling and Jack & Bore Installations)			Directional Drilling/Jack & Bore Installation	Copperhead	845x-EHS	For Water x=B, For Sanitary x=G Minimum of 4 wires to be pulled
				Copperhead	1045B-EHS/1045G-EHS	
				Copperhead	1245B-EHS/1245G-EHS	
Tracer Wire Connectors		ASTM D1248 ASTM B910/B910M	Water Proof Connector	Copperhead	Low Voltage Ace Connectors (SC-PB-01)	To be used for all Tracer Wire Connections.
Test Station (above grade)				Rhino	72" RhinoDome Test Station RDR72UU-TS9125-WPCLK	Post to be Colour Coded Blue = Water Green = Sanitary Purple = Low Impact Developments Post to contain warning sticker Water = "Warning Water Pipeline" Sanitary = "Warning Sanitary Pipe Line"
Test Station Locking Lid				Rhino	DOME-TS-LOCK	
Hydrant Three Terminal Test Station			5/8", Blue in Colour	Copperhead	Cobra T3 Hydrant Flange Package	
Flushmount Test Station			Pro-Line Tracer Pit with ISO-SWITCH5 Terminal	Pro-Line	PROTP5	
			RB14B2TSW , Blue	Copperhead	Snake Pit Switchable Access Box, Roadway	
Anodes	Magnesium		ANO-12, Anode, Magnesium Drive	Copperhead	Ground Rod 12-AWG	42.5 cm (17") length and equipped with a 12AWG tail

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MISCELLANEOUS						
Insulation	Extruded Polystyrene	ASTM C578CAN ULC S701 Type 4	Styrofoam Highload 40	Dow Chemical Canada	as per manufacturer	Minimum Strength 275kPa
Casing Spacers	Casing End Seals		Seal-Virgin SBR & Bands, T-304 Stainless Steel	Cascade	as per manufacturer	
				PSI	as per manufacturer	
				Advance (APS)	as per manufacturer	
	Casing Spacers		Fusion Coated Steel Casing Insulators	Cascade	as per manufacturer	
				PSI	as per manufacturer	
				Advance (APS)	Model SI & SSI	
Metallic Caution Tape			Mylar Marking Tape c/w Metallic Backing; Lineguard Type 2 max bury of 150mm. "Caution Watermain" colour code "Orange"	Lineguard Maintenance Systems	as per manufacturer	
				Health Survey Consultants	as per manufacturer	

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