



Making a difference...together

**REQUEST FOR MASTER
STANDING OFFER
NO. 2018-369**

**SUPPLY AND DELIVERY OF
WATERWORKS FITTINGS**

Capital Regional District Integrated Water Services
479 Island Highway
Victoria, BC V9B 1H7
Tel: 250.474.9600
Fax: 250.474.4012

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1. REQUEST FOR QUOTE

Capital Regional District (CRD) Integrated Water Services invites quotes from qualified bidders for supply and delivery of waterworks fittings. Purchase and delivery will be on a “more or less, as and when required” basis. Sealed bids clearly marked “RFQ NO. 2018-369, SUPPLY AND DELIVERY OF WATERWORKS FITTINGS” will be accepted at the CRD Integrated Water Services offices, 479 Island Highway, Victoria, BC, V9B 1H7 until 3:00:00 p.m. local time, Thursday, March 15, 2018 at which time they will be opened in public.

All bids must be submitted on the form provided. Quotation documents are enclosed or may be obtained from the offices of CRD Integrated Water Services. All enquiries should be directed to Kevin Evans, Purchaser by Tel: 250.474.9674, Fax: 250.474.9659, or Email: iwspurchaser@crd.bc.ca.

The lowest or any bid will not necessarily be accepted.

Kevin Evans, Purchaser
CRD Integrated Water Services
479 Island Highway
VICTORIA, BC V9B 1H7

2. INSTRUCTIONS TO BIDDERS

2.1 General Conditions

Bidders are directed to carefully examine the enclosed information. Failure to follow the instructions may result in disqualification of the quote.

2.2 Preparation of Quote

A copy of the Form of Quote is enclosed and the quote must be submitted on this form. The completed quote shall be clearly marked "REQUEST FOR QUOTE NO. 2018-369, SUPPLY AND DELIVERY OF WATERWORKS FITTINGS" and addressed to CRD Integrated Water Services, 479 Island Highway, Victoria, BC, V9B 1H7, Attention: Kevin Evans, Purchaser.

Sealed quotes shall be delivered to the above address, not later than 3:00:00 p.m. Local Time, Thursday, March 15, 2018 at which time they will be opened in public. Quotes received after the appointed time will be rejected and returned to the Bidder unopened.

The quote form must be submitted on the printed form provided. The form must be manually signed by a duly authorized representative of the supplier. If erasures or other changes appear on the quote form, each must be initialed by the person signing the quote.

2.3 Explanation and Modifications

The bidder may not claim, after submission of a quote, that there was a misunderstanding with respect to the conditions imposed by the documents. No verbal agreement made or conversation at any time with any officer or employee of the CRD Integrated Water Services shall effect or modify any of the terms or obligations herein stated, nor be any representation or warranty.

2.4 Withdrawal of and/or Changes to Quotes

Quotes may be withdrawn or amended if notice is received by letter or fax, prior to the tender opening.

2.5 Pricing and Taxes

The prices quoted shall exclude GST & PST but include all other applicable taxes, plus duties on materials and goods purchased for and built into the item(s) quoted and shall represent the entire cost to the CRD Integrated Water Services for item(s) tendered. Prices shall be in Canadian dollars.

The bidder must show unit costs, extend all prices, taxes, discounts, etc. In the event of extension errors, unit prices will prevail.

The bidder shall list on a separate sheet of paper, any or all variations from, or exceptions to, the conditions and specifications of this bid. This sheet shall be titled as "Variations or Exceptions to Bid Conditions or Specifications" and shall be attached to the quote.

2.6 Duration of Quote

The contract will be in effect until March 31, 2019, except as noted.

At their sole discretion, the CRD Integrated Water Services reserves the right to extend this period for a further 12 months provided there is an agreement in place between the CRD Integrated Water Services and the supplier no less than 30 days prior to the expiration of this term. Extensions are exercised one time only. Items marked with "Tender Extended" in Section 2.9 have had the extension exercised for this term and bids will not be accepted for that section.

2.7 Award

Successful bidders will be notified in writing.

The lowest of any quotation will not necessarily be accepted.

2.8 Enquiries

General enquiries may be directed to Kevin Evans at 250.474.9674.

2.9 Schedule of Quantities and Prices

Prices are F.O.B. prepaid at CRD Integrated Water Services' yard at 479 Island Highway, Victoria, BC.

Award will be made based on an evaluation of prior approval, price, warranty, lead time, delivery, specifications, etc. so as to provide the best value and not necessarily the lowest price.

Section I	Municipex Polyethylene Service Tubing
Section II	Corporation Brass Fittings
Section III	Valve Boxes and Meter Boxes
Section IV	Gate Valves and Air Valves
Section V	Repair Clamps Service Saddles
Section VI	Restrainers
Section VII	Ductile Pipe
Section VIII	Flexible Joint Couplings
Section IX	Ductile Fittings
Section X	Brass Fittings and Valves
Section XI	Fire Hydrants
Section XII	PVC Pipe

- Items above marked (if any) "Tender Extended" have had the existing quote extension option exercised for this term and bids will not be accepted for that section.

- 2.9.1 Product specifications are attached. Any and all revisions or discrepancies to these specifications must be detailed separately and enclosed when returning this tender. In the event that participants have different specifications, the CRD Integrated Water Services reserves the right to award individual products to specific participants.

- 2.9.2 For all Sections, I through XIII, the CRD Integrated Water Services will only accept products previously field tested and approved. Upon request, the Supplier will provide certificates of compliance ensuring products comply with the appropriate AWWA/ANSI specifications.

- 2.9.3 For all Sections, answering “yes” to normal stock indicates that the specified product(s) are stocked at the Tenderer’s location in quantities sufficient to substantially complete the normal requirements for this tender, which is delivery in less than two (2) working days after the order is placed. At the sole discretion of the CRD Integrated Water Services, any product(s), so indicated, which cannot be supplied within two (2) working days may be subject to cancellation. Repeated cancellations will become a performance review consideration.

3. GENERAL CONDITIONS

- 3.1 The successful bidder is referred to as the supplier.
- 3.2 All invoices paid as a result of this request for quote will be paid as per the CRD Integrated Water Services standard payment terms.
- 3.3 If accepted by the CRD Integrated Water Services, early payment discount is to be calculated from the date of acceptance of the items by the CRD Integrated Water Services, or receipt of invoice(s) by the Accounts Payable Department, whichever is later.
- 3.4 The CRD Integrated Water Services is subject to the *Freedom of Information and Protection of Privacy Act*. As a result, while Section 21 of the Act does offer some protection for third party business interests, the CRD Integrated Water Services cannot guarantee that any information provided to the CRD can be held in confidence.
- 3.5 All quotes, after closing time and date, become the property of the CRD Integrated Water Services.
- 3.6 Bidders are responsible for all costs relating to the preparation and submission of tenders.
- 3.7 All material will be on a “more or less, as and when required” basis. Quantities set forth in the attached material list will be used for comparing quotations only.
- 3.8 Any agreement(s) entered into as a result of this quote shall be for the period of the tender, commencing upon award. **Prices tendered must remain unchanged for that period.**
- 3.9 The CRD Integrated Water Services will only accept products previously field tested and approved. Upon request, the Supplier will provide certificates of compliance ensuring products comply with the appropriate AWWA/ANSI specifications.
- 3.10 Bidders may bid on one or more sections and the right is reserved to award the quotation in this manner, if desired. Each item on the quotation form should be extended, totaled and the brand stated.
- 3.11 The CRD Integrated Water Services reserves the right to award each item separately if it is found to be in the CRD Integrated Water Services’ best interest to do so.
- 3.12 All goods and services are subject to inspection and/or approval by the CRD Integrated Water Services before they will be considered accepted, regardless of delivery date. The CRD Integrated Water Services shall have the right to reject and return at the Seller’s risk and expense any goods which, in the CRD Integrated Water Services’ sole opinion, are defective or not conforming to order, quality or performance specifications.

In the event of cancellation(s) the supplier will have no right of action against the CRD Integrated Water Services for damages. Cancellation would not, in any manner whatsoever, limit the CRD Integrated Water Services’ right to bring action against the supplier for damages.

- The CRD Integrated Water Services shall have the right to reject and/or require any deficiencies or defects in the performance of services to be remedied within (30) thirty days of delivery. The Seller shall process refund or credit for returned material or non-approved services within 30 days.
- 3.13 Any manufacturer's name and part number to not indicate a preference. They are used only to indicate type and quality required, with the exception of items marked "NO SUBSTITUTES". These items must be as specified.
- 3.14 In the Form of Quote response, words will govern numbers and unit prices will govern extensions.
- 3.15 All prices are quoted F.O.B. prepaid to the CRD Integrated Water Services' yard at 479 Island Highway, Victoria, BC or as indicated for a specific shipment.
- 3.16 Award will be made based on an evaluation of prior approval, price, warranty, lead time, delivery, specifications, etc. so as to provide the best value and not necessarily the lowest price.
- 3.17 Bid results will be available 48 hours after the public opening.
- 3.18 All electrical equipment and/or components purchased by the CRD Integrated Water Services must be C.S.A. approved or an equivalent approval accepted by the BC Safety Authority. The supplier assumes all responsibility for testing and certification.
- 3.19 The price quoted must represent the total cost to the CRD Integrated Water Services including all fees, levies, duties, et al, but excluding PST & GST, unless stipulated.
- 3.20 Quoted prices shall be in Canadian dollars.
- 3.21 The Contractor shall indemnify and save harmless the District from and against all losses and all claims, demands, payments, suits, actions, recoveries and judgment of every nature and description brought or recovered against him/her and/or the District, by reason of any act or omission or alleged act or omission of the contractor, his agents, employees or Subcontractors in the execution of the work or service.
- 3.22 Each bidder shall state, in the space provided on the Form of Quote, the receipt and inclusion of Addenda issued prior to the Request for Quote closing. Failure to include all addenda may render the quote invalid.
- 3.23 It is the responsibility of each bidder to check for and include all applicable addenda. To view this Addenda go to, www.crd.bc.ca/business or pick up a copy at CRD Integrated Water Services, 479 Island Highway, Victoria, BC, V9B 1H7.
- 3.24 Full compliance for all labeling and information requirements of the *Hazardous Products Act* for controlled products is required. Successful suppliers are to supply MSDS's for all controlled items prior to, or with, the first delivery.
- 3.25 Any alteration, change, erasure, addition or deletion; electronic or manual, to the original document content will result in the immediate rejection of the bid.

4. SPECIFICATIONS

4.1 Approved Manufacturers and Models are listed at the start of each section.

5. FORM OF QUOTE

5.1 Declaration of Bidder

It is understood that this quotation constitutes a firm offer which is open for acceptance within 30 days of the date hereof and shall not be withdrawn during that period of time.

We agree that the Capital Regional District is not bound to accept the lowest of any quotation.

We certify that we are familiar with this Request for Quotation Document and that we have received and are familiar with the following Notices / Addenda:

Notices / Addenda:

Dated: _____

Dated: _____

Dated: _____

Company: _____

Signature: _____

Name and Title: _____

Witness: _____

Dated at _____ this _____ day of _____, 2018.

TERMS: _____ [] Included in tendered price
[] Discount off of tendered price.

**FORM OF QUOTE
 SECTION I**

COPPER SERVICE TUBING

Approved Materials:

Cross-linked Polyethylene Pipe – Municipex

- AWWA C904 CSA B137.5 or Approved Equal

WATER SERVICE PIPING

ITEM	QTY	UNIT	DESCRIPTION	UNIT COST	TOTAL
1.	4000	Feet	¾" Municipex Crosslinked Poly Pipe x 100' Coil		
2.	4000	Feet	1" Municipex Crosslinked Poly Pipe x 100' Coil		
3.	500	Feet	2" Municipex Crosslinked Poly Pipe x 100' Coil		
				TOTAL	

State Brand(s) _____

Normal Stock _____ Yes _____ No

If No, Delivery _____ Days

**FORM OF QUOTE
SECTION II**

Corporation Brass Fittings

CORPORATION STOPS

Corporation stops must be rated for minimum 150 psi working pressure and have N.P.T. threads.

Approved manufacturers and Models:

CORPORATION STOPS (BALL STYLE)

Size	Mueller	McDonald	Cambridge	Ford
19 mm (3/4")				
MIP X Comp	B-25028-N	7-4704BQ	201-NL-M3H3	FB1100-3-Q-NL
MIP X FIP	B-20046-N	7-2149B	201-NL-M3H3	FB1700-3-NL
MIP X MIP	Ball not available	7-3131B	201-NL-M3H3	FB500-3-NL
24 mm (1")				
MIP X Comp	B-25028-N	7-4704BQ	201-NL-M4H4	FB1100-4-Q-NL
MIP X FIP	B-20046-N	7-2149B	201-NL-M4H4	FB1700-4-NL
MIP X MIP	Ball not available	7-3131B	201-NL-M4H4	FB500-4-NL
50 mm (2")				
MIP X Comp	B-25028-N	7-4704BT	201-NL-M7H7	FB1100-7-Q
MIP X FIP	Not available	7-3149B	201-NL-M7H7	FB1700-7
MIP X MIP	Not available	7-3131B	201-NL-M7H7	FB500-7

DUAL CHECK VALVES

Must meet or exceed ANSI/AWWA Spec C510-97.
Must meet or exceed NSF 61 Annex F & G for lead content
Must be rated for a minimum 150 psi working pressure.
Must have F.I.P. thread by meter nut.

Approved Manufacturers:

- Ford
- Mueller
- A.Y. McDonald
- Cambridge

Must meet or exceed ANSI/AWWA Spec C510-97.
Must meet or exceed NSF 61 Annex F & G for lead content

STRAIGHT DUAL CHECK VALVES

A2.14.1 Must be rated for minimum 150 psi working pressure.

A2.14.2 Must meet or exceed NSF 61 Annex F & G for lead content

A2.14.3 Approved manufacturers and models:

Size	Mueller	Ford	McDonald
¾"	H14242-N	HHS31-323-NL	7-113JF-43
1"	H14242-N	HH31-344-NL	7-113JF-54

ANGLE DUAL CHECK VALVES

A2.13.1 Must be rated for minimum 150 psi working pressure

A2.13.2 Must meet or exceed NSF 61 Annex F & G for lead content

A2.13.3 Approved manufacturers and models:

Size	Mueller	Ford	McDonald
5/8"	H14244 -N	HHA31-313 -NL	7-12-3HE-33
¾"	H14244 -N	HHA31-323 -NL	7-12-3HE-43
1"	H14244 -N	HHA31-344 -NL	7-12-3HE-54
2"	H14244 -N	HHFA31-777 -NL	N/A

COPPER PIPE CONNECTORS

Note: All threads to be NPT, not CC thread.

Must meet or exceed NSF 61 Annex F & G for lead content

Approved Manufacturers and Models:

	Mueller	McDonald	Cambridge	Ford
Couplings C X C 19 mm (3/4") 25 mm (1") 50 mm (2")	H-15403-N H-15403-N H-15403-N	7-4758T 7-4758Q 7-4758T	118-NL-H3H3 118-NL-H4H4 118-NL-H7H7	C44-33-Q-NL C44-44-Q-NL C44-77-Q-NL
Male Adaptor C X MIP 19 mm (3/4") 25 mm (1") 50 mm (2")	H-15428-N H-15428-N H-15428-N	7-4735Q 7-4735Q 7-4735Q	117-NL-H3M3 117-NL-H4M4 117-NL-H7M7	THRU C84-77-Q-NL
Female Adapter C X FIP 12mm (5/8") 19 mm (3/4") 25 mm (1") 50 mm (2")	H15451-N H15451-N H15451-N H15451-N	7-4754T 7-4754Q 7-4754Q 7-4754T	117-NL-H2F2 117-NL-H3F3 117-NL-H4M4 117-NL-H7F7	C14-33-1-NL THRU C14-77-Q-NL
Tee C X C < CX IP 19 mm X 19 mm (3/4") 25 mm (1")	H-12941-N H-12941-N	7-4760Q 7-4760Q	150-H3H3 150-H4H4	THRU T884-444-NL

CURB VALVES AND STOPS

	Mueller	McDonald	Cambridge	Ford
19 mm (3/4") C X C 25 mm (1")	B-25209-N B-25209-N	7-6100Q 7-6100Q	202-H3H3 202-H4H4	B44-333-Q-NL B44-444-Q-NL

METER STOPS

Must meet or exceed NSF 61 Annex F & G for lead content

Approved Manufacturers and Models:

ANGLE METER STOPS (Ball Style) WITH LOCKWING

	Mueller	McDonald	Cambridge	Ford
¾" comp x ¾" swivel	B-24258-N	7-4642BQ	210-NL-H3T3	BA43-331W-Q-NL
¾" comp x 1" swivel	B-24258-N	7-4642BQ	210-NL-H3T4	BA43-444W-Q-NL
1" comp x 1" swivel	B-24258-N	7-4642BQ	210-NL-H4T4	BA43-444W-Q-NL
2" comp x Mtr Flange	B-24276-N	7-4602BT	Not available	BFA13-777W-Q-NL
2" FIPT X Mtr Flange	B-24286-N	7-4604B	Not available	BFA13-777W-NL

STRAIGHT METER STOPS (Ball Style) WITH LOCKWING

Must meet or exceed NSF 61 Annex F & G for lead content

	Mueller	McDonald	Cambridge	Ford
¾" comp x ¾" swivel	B-24350-N	7-6100MWQ	212-NL-H3T3	B43-331W-Q-NL
¾" comp x 1" swivel	B-24350-N	7-6100MWQ	212-NL-H3T4	B43-332W-Q-NL
1" comp x 1 ¼" swivel	B-24350-N	7-6100MWT	212-NL-H4T5	B43-344W-Q-NL

BRASS "Y" CONNECTORS 25 mm X 19 mm X 19 mm

Must meet or exceed NSF 61 Annex F & G for lead content

Approved Manufacturers and Models:

- Mueller Part #H-15343
- McDonald Part #08Y-SQQ 1 X ¾
- Cambridge Part #E17160
- Ford "Q" style. Y44-243-Q

METER SETTERS

Approved manufacturers:

- Mueller
- Ford
- Cambridge Brass

ITEM	QTY.	UNIT	DESCRIPTION	REFERENCE	UNIT COST	TOTAL
1.	50	Each	Straight Dual Check 5/8" x ¾" Meter, ¾" Meter Nut x ¾" F.I.P.T.	H14242-N		
2.	10	Each	1" Straight Dual Check 1" Meter Nut x 1" F.I.P.T.	H14242-N		
3.	20	Each	2" Straight Dual Check 2" Meter Nut X 2" F.I.P.T.	H14242 -N		
4.	200	Each	Angle Dual Check 5/8" x ¾" Meter, ¾" Meter Nut x ¾" F.I.P.T.	H14244-N		

ITEM	QTY.	UNIT	DESCRIPTION	REFERENCE	UNIT COST	TOTAL
5.	30	Each	1" Angle Dual Check 1" Meter Nut x 1" F.I.P.T.	H14244-N		
6.	10	Each	2" Angle Dual Check Meter Flange x 2" F.I.P.T.	H14244-N		
7.	20	Each	¾" Straight Meter Stop (Ball Style)	B24350-N		
8.	10	Each	1" Straight Meter Stop (Ball Style)	B24350 -N		
9.	25	Each	¾" Curb Stop	B25209-N		
10.	15	Each	1" Curb Stop	B25209 -N		
11.	100	Each	¾" Comp. Coupling	H15403 -N		
12.	30	Each	1" Comp. Coupling	H15403 -N		
13.	20	Each	1" x ¾" Comp. Coupling	H15403 -N		
14.	5	Each	2" Comp. Coupling	H15403 -N		
15.	200	Each	¾" Comp. x M.I.P.T.	H15428 -N		
16.	20	Each	¾" x 1" Comp. x M.I.P.T.	H15428-N		
17.	100	Each	1" Comp. x M.I.P.T.	H15428 -N		
18.	20	Each	1" x ¾" Comp. x M.I.P.T.	H15428 -N		
19.	50	Each	2" Comp. x M.I.P.T.	H15428 -N		
20.	20	Each	¾" Comp. x F.I.P.T.	H15451 -N		
21.	20	Each	1" Comp. x F.I.P.T.	H15451-N		
22.	10	Each	2" Comp. x F.I.P.T.	H15451 -N		
23.	100	Each	¾" Comp. x M.I.P. Ball Style Corp. Stop	B25028 -N		
24.	50	Each	1" Comp. x M.I.P. Ball Style Corp. Stop	B25028 -N		
25.	20	Each	2" Comp. x M.I.P. Ball Style Corp. Stop	B25028 -N		
26.	20	Each	¾" MIP x ¾" MIP Ball Style Corp. Stop	7-3131B McDonald		
27.	20	Each	1" MIP x 1" MIP Ball Style Corp. Stop	7-3131B McDonald		
28.	150	Each	Ball Style Angle Meter Stop 5/8 x ¾" Meter, ¾ Comp x ¾" Meter Nut	B24258-N		
29.	20	Each	1" Ball Style Angle Meter Stop 1" Meter, 1" Comp x 1" Meter Nut	B24258 -N		
30.	10	Each	2" F.I.P.T. x Meter Flange Ball Style Angle Meter Stop	B24286 -N		
31.	20	Each	1" x ¾" x ¾" All Comp. 2 Branch, Short Body Y Style	H15343 -N		
32.	5	Each	2" M.I.P.T.> x F.I.P.T. Ball Valve	B20046 -N		
33.	100	Each	¾" Stainless Steel Inserts for Poly E Tubing			
34.	100	Each	1" Stainless Steel Inserts for Poly E Tubing			
35.	10	Each	2" Meter Riser (Resetter) 12" Rise	VHH77-12B- 1177-NL Ford		
				TOTAL		

State Brand(s) _____

Normal Stock _____ Yes _____ No

If No, Delivery _____ Days

**FORM OF QUOTE
 SECTION III**

VALVE BOXES AND LIDS

Valve boxes must have square, flat top, with direction of flow clearly shown.
 Approved manufacturers and models:

- Alf's castings, catalogue #0-9.
- Robar type D-9A

METER BOXES

- DFW Plastic Polymer (DFW 48WBC4-12-AF4M)
- DFW Plastic Polymer (DFWA4C4-24-AF4FM)

ITEM	QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL
1.	100	Each	Valve Boxes with Lid as per Specification		
2.	300	Each	DFW Polymer Box and Lid (DFW 48WBC4-12-AF4M)		
3.	20	Each	DFW Polymer Box and Lid (DFWA4C4-24-AF4FM)		
				TOTAL	

Valve Boxes and Meter Boxes

State Brand(s) _____

Normal Stock _____ Yes _____ No

If No, Delivery _____ Days

**FORM OF QUOTE
SECTION IV**

GATE VALVES – 75 mm – 300 mm Class 150 MUST CONFORM TO THE LATEST VERSION OF ANSI/AWWA C509

- Must be resilient wedge design, Hub X Hub, Hub X Flange, Flange X Flange, J.J. X Flange or M.J. X M.J.
- Valves must be coated internally and externally in accordance with AWWA C550-90 and certified to NSF61.
- Valves intended for use in Integrated Water Services **Distribution System must be Right hand opening (RHO)** or clockwise opening and have a 31mm (1 ¼”) square operating nut for buried applications.

Approved Gate Valves:

- Mueller Super Seal Part # A-2360-XX
- Clow
- AVK Series #25
- Terminal City
- Tapping Gate Valves – Mueller T-2360-19 or equal

ITEM	QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL
1.	5	Each	4” H x F RHO, 1 ¼ OP NUT		
2.	40	Each	6” H x F RHO, 1 ¼ OP NUT		
3.	40	Each	8” H x F RHO, 1 ¼ OP NUT		
4.	15	Each	10” H x F RHO, 1 ¼OP NUT		
5.	6	Each	12” H x F RHO, 1 ¼OP NUT		
6.	10	Each	6” H X H RHO, 1 ¼ OP NUT		
7.	10	Each	8” H x H RHO, 1 ¼ OP NUT		
8.	3	Each	10” H x H RHO, 1 ¼ OP NUT		
9.	3	Each	12” MJ x MJ RHO, 1 ¼ OP NUT		
10.	5	Each	6” F x F RHO, 1 ¼ OP NUT		
11.	3	Each	8” F x F RHO, 1 ¼ OP NUT		
12.	4	Each	10” F x F RHO, 1 ¼ OP NUT		
13.	3	Each	12” F x F RHO, 1 ¼ OP NUT		
				Gate Valve TOTAL	
18.	10	Each	ARI D040 1” Combination Air Valve		
19.	10	Each	GA945E 1” Low Profile Golden Anderson, Epoxy Coated Inside and Out		
20.	5	Each	ARI D040 2” Combo Air Valve		
21.	5	Each	GA945 2” Low Profile Golden Anderson Epoxy Coated Inside and Out		
				Air Valve TOTAL	

State Brand(s) _____
 Normal Stock _____ Yes _____ No
 If No, Delivery _____ Days

**FORM OF QUOTE
SECTION V**

SERVICE SADDLES

- All service saddles for pipe larger than 100mm must be minimum 18 gauge fully passivated 304 stainless steel full circle. **Outlets to be FIPT, or CC thread as indicated.**
- Saddles for 100mm pipe may be 20 gauge fully passivated 304 stainless steel. **Outlets to be FIPT, or CC thread as indicated.**

Approved Manufacturers and Models:

- Robar
- Canada Pipeline Accessories
- Ford
- Mueller
- Cambridge Brass – Model 840S SS DB w/rubber pad

STAINLESS STEEL TAPPING REPAIR CLAMPS

- Must be fully passivated 304 stainless steel shell.
- Bolts must be 18-8 stainless steel with rolled NC thread with nylon and stainless steel washers.
- Gaskets shall have tapered ends, gridded surface, and stainless steel armours.

Approved Manufacturers:

- Robar 5626
- Canada Pipeline Accessories (1986) Corp. CR2
- Mueller 510
- Ford F52
- Romac 552

Repair Clamps, Service Saddles & Tapping Sleeves

ITEM	QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL
1.	5	Each	4" x 16" X 1" F.P.T Tapping Repair Clamp Minimum Range 4.74 – 5.54		
2.	5	Each	6" x 16" x 1" F.P.T. Tapping Repair Clamp Minimum Range 6.85 – 7.65		
3.	5	Each	8" x 16" x 1" F.P.T. Tapping Repair Clamp Minimum Range 9.00 – 9.80		
4.	2	Each	10" x 16" x 1" F.P.T. Tapping Repair Clamp Minimum Range 11.05 – 12.25		
5.	2	Each	12" x 16" x 1" F.P.T. Tapping Repair Clamp Minimum Range 13.10 – 14.30		
6.	10	Each	4" x 1" F.P.T. Service Saddle Robar 2616DB Style – Double bolt C-900 PVC - DI C150		

7.	10	Each	4" x 2" F.P.T. Service Saddle Robar 2616DB Style – 2 bolt C-900 PVC - DI C150		
8.	50	Each	6" x 1" F.P.T. Service Saddle Robar 2616DB Style – Double Bolt C-900 PVC - DI C150		
9.	25	Each	6" x 2" F.P.T. Service Saddle Robar 2616DB Style – 2 bolt C-900PVC - DI C150		
10.	50	Each	8" x 1" F.P.T. Service Saddle Robar 2616DB Style – Double Bolt C-900 PVC - DI C150		
11.	5	Each	8" x 2" F.P.T. Service Saddle Robar 2616DB Style – 2 Bolt C-900 PVC - DI C150		
12.	4	Each	10" x 2" F.P.T. Service Saddle Robar 2616DB Style – 2 bolt C-900 PVC - DI C150		
13.	2	Each	12" x 2" F.P.T. Service Saddle Robar 2616DB Style – 2 bolt C-900 PVC – DI C150		
14.	10	Each	12" x 1" F.P.T. Service Saddle Robar 2616DB Style – 2 bolt C-900 PVC – DI C150		
15.	10	Each	6" x 1" F.P.T. Service Saddle Robar 2626 Style -4 bolt C-900 PVC – DI C150		
16.	10	Each	8" x 1" F.P.T. Service Saddle Robar 2626 Style -4 bolt C-900 PVC – DI C150		
17.	10	Each	10" x 1" F.P.T. Service Saddle Robar 2626 Style -4 bolt - C-900 PVC – DI C150		
18.	10	Each	12" x 1" F.P.T. Service Saddle Robar 2626 Style -4 bolt - C-900 PVC – DI C150		
19.	20	Each	10" x 1" F.P.T. Service Saddle Robar 2616 Style 2-Bolt C-900 PVC – DI C150		
				Total	

State Brand(s) _____
 Normal Stock _____ Yes _____ No
 If No, Delivery _____ Days

Manufacturers and ranges listed are for comparison only. Ranges may vary slightly by manufacturer and are acceptable. State ranges offered.

**FORM OF QUOTE
 SECTION VI**

RESTRAINERS

- Must have UL and FM approval.

Approved Manufacturers and Models:

- *Uniflange 1300-C Series
- EBBA
- Sigma- One-LOK and PV-LOK

RESTRAINING RODS AND NUTS- must be included:

- Must be high strength, low alloy, and corrosion resistant material. i.e. "Corten", or stainless steel.

Restrainers

ITEM	QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL
1.	20	Each	4" 1360C Uniflange Restrainers		
2.	20	Each	6" 1360C Uniflange Restrainers		
3.	20	Each	8" 1360C Uniflange Restrainers		
4.	10	Each	10" 1360C Uniflange Restrainers		
5.	10	Each	12" 1360C Uniflange Restrainers		
6.	20	Each	4" 1390C Uniflange Restrainers		
7.	100	Each	6 " 1390C Uniflange Restrainers		
8.	100	Each	8" 1390C Uniflange Restrainers		
9.	10	Each	10" 1390C Uniflange Restrainers		
10.	10	Each	12" 1390C Uniflange Restrainers		
11.	20	Each	6" 1350 Solid Bell Restrainers		
12.	20	Each	8" 1350 Solid Bell Restrainers		
13.	20	Each	10" 1350 Solid Bell Restrainers		
14.	20	Each	12" 1350 Solid Bell Restrainers		
15.	100	Each	17" Restrainer Rods c/w nuts		
16.	100	Each	24" Restrainer Rods c/w nuts		
17.	50	Each	36" Restrainer Rods c/w nuts		
				TOTAL	

State Brand: Items 1 – 9 must be Uniflange _____

Normal Stock _____ Yes _____ No

If No, Delivery _____ Days

**FORM OF QUOTE
 SECTION VII**

DUCTILE PIPE

Pressure Class (Ductile Iron)

- All pipe shall be to the latest revisions of AWWA C150 in **pressure class 350** for 100 mm through 250 mm, complete with a Tyton style push on joint to AWWA c111. Pipe shall be cement mortar lined to AWWA C104.
- The pipe shall have a ball impact test or equivalent.

ITEM	QTY.	DIAMETER	COST / METER	EXT.
1.	100 meters	100 mm		
2.	1000 meters	150 mm		
3.	2000 meters	200 mm		
4.	2000 meters	250 mm		
6.	1000 meters	300 mm		
			TOTAL	

State Manufacturer _____

Country of Origin _____

Warranty _____

Lead Time on LTL Shipment _____

Freight Rates

SHIPMENTS for orders of 40,000 lbs. or more (truckload) shall be shipped f.o.b. destination, prepaid.
 Unloading is the responsibility of the supplier.

Freight Rates for LTL shipments

CRD Integrated Water Services, 479 Island Highway \$_____ / del. (or jobsite as directed)

Storage:

Vendors must have storage facilities for pipe that is accessible to CRD IWS staff from 7:00am to 4:30 pm Monday to Friday, within 10 km radius of CRD IWS head office at 479 Island Highway, Victoria, B.C.

The CRD may choose to store “project quantities” of pipe at the vendor’s site due to restricted room at IWS yard at 479 Island Highway. The CRD reserves the right to assess and/or reject unsuitable proposed storage facilities.

**FORM OF QUOTE
SECTION VIII**

BOLTED, SLEEVE-TYPE COUPLINGS FOR PLAIN-END PIPE ANSI/AWWA C219-91

MULTI BOLT COUPLINGS

Approved Manufacturers and Models:

- *Robar Catalogue #1506, 1728
- Smith Blair
- Romac

ITEM	QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL
1.	10	Each	4" "Multi-fit" Coupling Range: 4.20 – 5.33		
2.	20	Each	6" "Multi-fit" Coupling Range: 6.25 – 7.45		
3.	20	Each	8" "Multi-fit" Coupling Range: 8.40 – 9.79		
4.	10	Each	10" "Multi-fit" Coupling Range: 10.70 – 12.12		
5.	10	Each	12" "Multi-fit" Coupling Range: 12.75 – 14.38		
				TOTAL	

TWO BOLT COUPLINGS

Approved Manufacturers and Models:

- Hymax Model 2000
- Smith Blair 421 Series

ITEM	QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL
1.	40	Each	6" "Two Bolt" Coupling Range: 6.25 – 7.45		
2.	40	Each	8" "Two Bolt" Coupling Range: 8.40 – 9.79		
3.	10	Each	10" "Two Bolt" Coupling Range: 10.70 – 12.12		
				TOTAL	

TWO BOLT RESTRAINED COUPLINGS

Approved Manufacturers and Models:

- Hymax GRIP
- Romac ALPHA

ITEM	QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL
1.	40	Each	6" Two Bolt Restrained Coupling Range: 6.25 – 7.45		
2.	40	Each	8" Two Bolt Restrained Coupling Range: 8.40 – 9.79		
3.	6	Each	10" Two Bolt Restrained Coupling 10.70-12.12		
4.	6	Each	12" Two Bolt Restrained Coupling 12.75-14.38		
				TOTAL	

State Brand _____

Normal Stock as Quoted _____ Yes _____ No

If No, Delivery _____ Days

**FORM OF QUOTE
SECTION IX**

- **DUCTILE IRON FITTINGS – BENDS, TEES, REDUCERS, CAPS MUST CONFORM TO THE LATEST VERSION OF ANSI/AWWA C110/A21. COMPACT DUCTILE IRON FITTINGS MUST CONFORM TO THE LATEST VERSION OF ANSI/AWWA C153/A21.53.**
- **FLANGED FITTINGS 3” – 48” MUST CONFORM TO THE LATEST VERSION OF ANSI/AWWA C110/A21.**
- May be Hub X Hub, Hub X Flange, M.J. X M.J., M.J. X Flange, or F X F. Hub ends must have ear lugs with holes suitable for restraint rods.
- Hub (Tyton) Fittings are to be supplied with rubbers.

Approved Manufacturers

- Sigma
- Clow
- Star – NGH style only Sigma
- T.C.I.W.
- ACS (Alf's Castings)
- Tyler Union

Ductile Fittings

ITEM	QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL
1.	6	Each	6" Cap x 2" IPT Cap		
2.	6	Each	8" Cap x 2" IPT Cap		
3.	6	Each	10" Cap x 2" IPT Cap		
4.	10	Each	6" H x F Adapter		
5.	5	Each	8" H x F Adapter		
6.	5	Each	10" H x F Adapter		
7.	5	Each	12" MJ x F Adapter		
8.	5	Each	6" x 11 ¼° H x H Bend		
9.	5	Each	6" x 22° H x H Bend		
10.	5	Each	6" x 45° H x H Bend		
11.	5	Each	6" x 90° H x H Bend		
12.	5	Each	8" x 11 H x H Bend		
13.	5	Each	8" x 22 H x H Elbow		
14.	5	Each	8" x 45 H x H Bend		
15.	5	Each	8" x 90° H x H Bend		
16.	5	Each	10" H x H 11° Bend		
17.	5	Each	10" H x H 22° Bend		
18.	5	Each	10" H x H 45° Bend		
19.	5	Each	10" H x H 90° Bend		
20.	5	Each	12" MJ x MJ 11° Bend C/W Acc. Rest.		
21.	5	Each	12" MJ X MJ 22° Bend C/W Acc. Rest.		
22.	5	Each	12" MJ x MJ 45° Bend C/W Acc. Rest.		
23.	5	Each	6" H x 6" F 45° Bend		
24.	5	Each	6" H x 6" F 90° Bend		
25.	2	Each	8" F x 6" F Reducer		

ITEM	QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL
26.	5	Each	6" F x 4" F Reducer		
27.	5	Each	6" H x 4" H Reducer		
28.	5	Each	8" H x 6" H Reducer		
29.	5	Each	8" H x 6" H Tee		
30.	5	Each	6" H x F x F Tee		
31.	5	Each	8" H x F x F Tee		
32.	5	Each	8" H x F x 6" F Tee		
33.	5	Each	6" H x H x F Tee		
34.	5	Each	8" H x H x 6" F Tee		
35.	4	Each	8" F x 8 F x 8 F Tee		
36.	5	Each	8" x 8" x 6" Flange		
37.	5	Each	10" x 10" x 6" Flange		
38.	4	Each	10" F x F x F Tee		
39.	10	Each	12" x 12" x 6" Flange		
40.	3	Each	12" F x F x F Tee		
41.	3	Each	12" MJ x MJ x F Tee C/W Acc. Rest.		
42.	3	Each	12" MJ x 12" MJ x 6" F Tee C/W Acc. Rest.		
43.	3	Each	12" MJ x 12" MJ x 8" F Tee C/W Acc. Rest.		
				Total	

MJ Accessory Kits are not required with any fittings.

State Brand _____

Normal Stock _____ Yes _____ No

If No, Delivery _____ Days

**FORM OF QUOTE
SECTION X**

BRASS FITTINGS

MUST MEET ANSI STANDARD B16.15

BRONZE GATE VALVES 12mm -75mm Class 125

- Must be left hand opening, screwed ends.

Approved manufacturers and models:

- Red and White Figure #206-A

Brass Fittings and Valves

ITEM	QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL
1.	20	Each	¾" x 90° Elbow		
2.	10	Each	1" x 90° Elbow		
3.	15	Each	2" x 90° Elbow		
4.	10	Each	¼" x 45° Elbow		
5.	10	Each	¾" x 45° Elbow		
6.	20	Each	¾" x 45° Street Elbow		
7.	10	Each	2" x 45° Elbow		
8.	20	Each	½" x 90° Street Elbow		
9.	50	Each	¾" x 90° Street Elbow		
10.	10	Each	1" x 90° Street Elbow		
11.	50	Each	2" x 90° Street Elbow		
12.	20	Each	¾" x ½" Bushing		
13.	200	Each	1" x ¾" Bushing		
14.	5	Each	2" x ¾" Bushing		
15.	10	Each	2" x 1" Bushing		
16.	10	Each	¼" x Close Nipple		
17.	10	Each	¼" x 1 ½" Nipple		
18.	5	Each	½" x Close Nipple		
19.	15	Each	¾" x Close Nipple		
20.	5	Each	1" x Close Nipple		
21.	5	Each	2" x Close Nipple		
22.	5	Each	2" x 3" Nipple		
23.	5	Each	2" x 4" Nipple		
24.	10	Each	2" x 6" Nipple		
25.	5	Each	¾" Coupling		
26.	5	Each	1" Coupling		
27.	5	Each	2" Coupling		
28.	20	Each	¾" Female Tee		
29.	20	Each	1" Female Tee		
30.	10	Each	2" Female Tee		
31.	10	Each	2" x 2" x 1" Female Tee		
32.	20	Each	¾" Hose Bibb		
33.	10	Each	¼" Brass Ball Valve		
34.	10	Each	3/8" Brass Ball Valve		

ITEM	QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL
35.	5	Each	½" Brass Ball Valve		
36.	10	Each	¾" Brass Ball Valve		
37.	5	Each	1" Brass Ball Valve		
38.	5	Each	2" Brass Ball Valve		
39.	10	Each	½" Gate Valve		
40.	20	Each	¾" Gate Valve		
41.	15	Each	1" Gate Valve		
42.	25	Each	2" Gate Valve		
				TOTAL	

State Brand _____

Normal Stock _____ Yes _____ No

If No, Delivery _____ Days

**FORM OF QUOTE
SECTION XI**

**CAPITAL REGIONAL DISTRICT FIRE HYDRANTS
ANSI/AWWA C502-94**

Must be compression style, right hand opening (CW), 1219 mm (4') bury depth, with two 62 mm (2 1/2") hose nozzles BC Std fire thread and one 100 mm (4") Storz pumper port. Inlet must be 150 mm hub (Tyton) with lugs. Operating nut must be 41.28 mm (1 9/16") pentagon. Inlet must be 150 mm Hub (Tyton) with lugs. Hydrants must be rated for working pressure of 175 psi. Red Body, Hose Caps and Bonnet. Black Storz Pumper Cap with 41.28 mm 1 9/16" Pentagon nut.

Approved Manufacturers and Models:

- Mueller Modern Centurion Catalogue #A442
- Terminal City Iron works Model C-71P
- AVK Model 2780
- Clow -M93 – Brigadeer

Fire Hydrants

As specified	3 ft bury	3 X _____	each = _____
As specified	4 ft bury	25 X _____	each = _____
		TOTAL	_____

State Brand _____

Normal Stock Available _____

Normal Lead Time _____

**FORM OF QUOTE
SECTION XII**

Approved Materials:

BRANDS with joint defection allowed: Ipex, Royal Plastics

- C900 PVC ANSI/AWWA C900-89 (except item 6 & 7)
- All C900 pipe must be supplied with factory installed dust caps on both ends.
- Pipe must be clean and free from ultra violet degradation

C900 PVC PIPE AND FITTINGS

ITEM	QTY	UNIT	DESCRIPTION	UNIT COST	TOTAL
1.	100	Meters	150 mm C900 DR 18 PVC Pipe		
2.	500	Meters	200 mm C900 DR 18 PVC Pipe		
3.	500	Meters	250 mm C900 Blue Brute PVC Pipe		
4.	30	Meters	300 mm C900 Blue Brute PVC Pipe		
5.	60	Meters	150 mm SDR35 Sewer Pipe		
6.	10	Each	150 mm C900 Hub x Spigot Bend Long Radius		
7.	10	Each	200 mm x 5° C900 Hub x Spigot Bend Long Radius		
				TOTAL	

State Brand(s) _____

Normal Stock _____ Yes _____ No

If No, Delivery _____ Days

Storage:

Vendors must have storage facilities for pipe that is accessible to CRD IWS staff from 7:00am to 4:30 pm Monday to Friday, within 10 km radius of CRD IWS head office at 479 Island Highway, Victoria, B.C.

The CRD may choose to store “project quantities” of pipe at the vendor’s site due to restricted room at IWS yard at 479 Island Highway. The CRD reserves the right to assess and/or reject unsuitable proposed storage facilities.