

City of Saint John

TENDER

Tender # 2024-471001T

Spruce Lake Screen Building Bypass Piping

Sealed tenders, hand delivered or couriered, addressed to Monic MacVicar, CCLP, CPPB, Supply Chain Management, 1st Floor – 175 Rothesay Avenue, Saint John, NB, E2J 2B4, OR emailed to <u>supplychainmanagement@saintjohn.ca</u> and marked on the envelope or in subject line of email:

"Tender # 2024-471001T Spruce Lake Screen Building Bypass Piping"

will be received until 2:30:00 pm, Tuesday, April 2nd, 2024 for the supply of Screen Building Bypass Piping, in accordance with the enclosed specifications, terms and conditions.

Tenders will be opened by the Tender Opening Committee, in the second-floor boardroom, 175 Rothesay Avenue, Municipal Operations Complex, immediately following the tender closing time. <u>Registered</u> bidders may attend remotely via Teams invitation.

The lowest or any tender not necessarily accepted.

Monic MacVicar, CCLP, CPPB Supply Chain Management

Issued: Thursday, March 14th, 2024

TENDER 2024-471001T Spruce Lake Screen Building Bypass Piping

SCOPE OF WORK:

The City of Saint John is requesting pricing on the supply of Screen Building Bypass Piping, in accordance with the enclosed specifications, terms and conditions.

SPECIFICATIONS AND DRAWINGS:

See Appendix A.

TERMS AND CONDITIONS

Governing Law, Trade Treaties and Policies

This procurement will be in accordance with the laws of the province of New Brunswick and the federal laws of Canada.

This procurement is also subject to the following Policies, Legislation and Internal Trade Agreement(s) including:

- Canadian Free Trade Agreement (CFTA)
- New Brunswick Procurement Act and Regulation 2014-93
- City of Saint John Strategic Procurement Policy

Submission Instructions

Sealed tenders, hand delivered or couriered, addressed to Monic MacVicar, CCLP, CPPB, Supply Chain Management, 1st Floor – 175 Rothesay Avenue, Saint John, NB, E2J 2B4, OR emailed to <u>supplychainmanagement@saintjohn.ca</u> and marked on the envelope or in subject line of email:

"2024-471001T Spruce Lake Screen Building Bypass Piping"

will be received until 2:30:00 pm, Tuesday, April 2nd, 2024, for the goods contemplated in this document and in accordance with the enclosed specifications, terms, and conditions.

Enquiries

Bidders shall promptly examine the bid documents and report any errors, omissions or ambiguities and may direct enquiries or seek additional information in writing by email before the deadline for enquiries to the Authorized Enquiries Contact as set out below. No such communications are to be directed to anyone other than the Authorized Enquiries Contact.

Authorized Enquiries Contact

Monic MacVicar, CCLP, CPPB Supply Chain Management City of Saint John Email: <u>supplychainmanagement@saintjohn.ca</u>

It is the Bidder's responsibility to seek clarification from the City on any matter it considers unclear. The City shall not be responsible for any misunderstanding on the part of the Bidder concerning this bid document or its process.

The City intends to confirm receipt of a bidder's communication by way of an email or facsimile in reply. If a bidder has not received a reply, the bidder may wish to resend its communication as the lack of reply may have resulted from a technical problem. The City is under no obligation to respond to enquiries or provide additional information but may do so at its sole discretion.

Responses to inquiries may be distributed to all bidders on the invitation list as having received the bid documents as of the date the response is prepared. The source of the question will not be identified in the response. Verbal information shall not be binding upon the City. Inquiries received after the deadline for enquiries will not receive a response.

Tender to be Submitted on Prescribed Form

Bidders are to submit their tender on the prescribed form contained in this document. Failure to submit on this form may result in the disqualification of the bid.

<u>Taxes</u>

The bid price shall be all taxes extra. The City of Saint John shall be invoiced for and pay all applicable taxes related to this bid.

Schedule for the Bid Process

Issue Date	Thursday, March 14 th , 2024
Deadline for Enquiries	Monday, March 25 th , 2024, 4:00:00 pm, Atlantic Time
Deadline for Issuing Addenda	Tuesday, March 26 th , 2024, 4:00:00 pm, Atlantic Time
Submission Deadline	Tuesday, April 2 nd , 2024, 2:30:00 pm, Atlantic Time
Date of Award	TBD

The Schedule for the bid process is tentative only and may be changed by the City in its sole discretion.

Advisory Notice(s)

Periodically, the City of Saint John is required to issue clarification notices to a bid document in the form of Advisory Notices. Normally these notifications will not have a direct bearing on the cost of a project and will not influence bidding.

Bidders are responsible for obtaining all advisory notice(s) issued by the City. Advisory Notice(s) may be obtained from the City's website (<u>www.saintjohn.ca</u>) under the Menu option, City Hall header, then "Tender and Proposals".

Bidders are instructed to sign the Advisory Notice and return it either by fax to (506) 658-4742 or email to <u>supplychainmanagement@saintjohn.ca</u> prior to the closing date. Failure to comply with the instructions on an advisory may result in rejection of the bid.

Addenda

Periodically, the City of Saint John is required to issue notification of changes or corrections to a bid document by way of addenda. Normally these notifications will have direct bearing on the cost of a project and will influence bidding. Therefore, it is important that the City have assurances that bidders have in-fact received the notification(s).

Bidders are responsible for obtaining all addenda issued by the City. Addenda may be obtained from the City's website (<u>www.saintjohn.ca</u>) under the Menu option, City Hall header, then "Tender and Proposals".

Bidders are required to sign and include all addenda with their bid submission.

Failure to include a copy of all signed addenda with the bid submission may result in rejection of the bid regardless of whether or not the changes noted in the addendum are included in the bid submission.

Mandatory Requirements

Each submission will be evaluated to ensure that it complies with the mandatory requirements and may be rejected if it does not comply. The evaluation of mandatory requirements will confirm that:

- the submission was received prior to the applicable Submission Deadline;
- the bid submission is signed;
- the bid submission is legible;
- the bid submission must contain pricing for all items described on the Form of Tender;
- the bid submission does not contain a substantive qualification or conditions that are contrary to the terms of the bid document;
- the bid submission does not contain a change in price that was not initialled by the person who signed the submission; and
- the bid submission is in English;

Payment **Payment**

Payment shall be based on Net 45 Days from date of invoice or receipt of goods/services, whichever is later. Invoices can either be mailed to: City of Saint John, Accounts Payable Department, P.O. Box 1971,

Saint John, NB, E2L 4L1, or by email to the Accounts Payable department (accountspayable@saintjohn.ca). Vendors are to ensure invoices are not sent both ways. **Pricing**

The tender prices shall include the units, insurance, transportation, delivery, duty, and any other charges incurred in order to provide required goods on site.

Delivery / Freight

The net price on each of the commodity(s) and/or service(s) is to be quoted as F.O.B. delivered to Saint John, NB, prepaid.

Substitutes

Substitute products will not be considered.

Verbal Agreement

No verbal agreement or conversation with any officer, agent or employee of the owner either before or after execution of the contract shall effect or modify any of the terms or obligations contained in any of the documents comprising the said contract.

Fax Tenders

Tenders received by fax WILL NOT be accepted. Emailed tenders to supplychainmanagement@saintjohn.ca will be accepted.

Late Bids

Bids received after the time and date as shown in this document shall not be considered.

Cancelation Clause

In the event that the successful bidder does not comply with the specifications and terms and conditions of this tender, at any time throughout the duration of the contract, the City of Saint John reserves the right to cancel the contract in its entirety.

Basis for Award

A The city does not limit itself to accepting the lowest, or any tender submitted, but reserves the right to award the tender in any manner deemed to be in the City's best interest. It is the City of Saint John's intention to award this agreement to one Vendor.

No guarantee

The City makes no guarantee as to the volume of the Deliverables.

Acceptance, Revocation and Rejection Of Tenders

The bidder agrees that his tender is a firm offer to supply the goods and/or services specified herein at the quoted price, and in accordance with the terms and conditions herein contained. The bidder may revoke his tender at any time prior to the time fixed for tender opening by delivering, or causing to be delivered, written notice of revocation to the designated official at the City of Saint John. Revocation will take effect from the time the notice is actually received. A notice of revocation will not be accepted after the time fixed for tender opening.

The bid shall not be restricted by a statement added to the Tender Form, or by a covering letter, or by alterations to the tender form as supplied, unless otherwise provided herein and further, a tender form that has been altered in any way may be deemed to be a non-confirming bid and, therefore, rejected. Bidders shall be allowed to attach descriptive literature; whose sole purpose is to amplify the bid.

Due Diligence

In the event that a health and safety offence is committed, the onus falls on the employer to prove that it exercised due diligence (i.e. did everything it reasonably could) in order to avoid the offence.

When hiring contractors, the City of Saint John is responsible for ensuring compliance with Health and Safety Legislation and must make sure that the appropriate accident prevention systems are implemented in the workplace.

Therefore, if any contractor is found to be working in an unsafe manner, or outside of current legislation, he will be made to stop work immediately. Any losses which may arise as a result of this work stoppage are the responsibility of the contractor.

Failure to comply with current legislation on the part of the contractor, may lead to cancellation of this contract and any bid deposits that may be in place.

Reserved Rights

The City reserves the right to:

- a) Reject an unbalanced bid submission. For the purpose of this section, an unbalanced bid submission is a bid submission containing a unit price which deviates substantially from, or does not fairly represent reasonable and proper compensation for the unit of work bid or one that contains prices which appear to be so unbalanced as to adversely affect the interests of the City. The City reserves the right to use other bids submitted in response to this bid solicitation or for other like or similar work as a guideline in determining if a bid is unbalanced.
- b) Amend or modify the scope of the Work, and/or cancel or suspend the bid award, at any time for any reason;
- c) Require bidders to provide additional information after the submission deadline to support or clarify their bid submission;

- d) Not accept any or all bids;
- e) Not accept a bid submission from a bidder who is itself, or whose principals, owners or directors are also principals, owners or directors of another entity which is, involved in litigation, arbitration or any other similar proceeding against the City;
- f) Reject any or all bid submissions without any obligation, compensation or reimbursement to any bidder or any of its team members;
- g) Withdraw this bid solicitation and cancel or suspend the bid process;
- h) Extend, from time to time, any date, any time period or deadline provided in this bid solicitation (including, without limitation, the submission deadline), upon written notice to all bidders;
- i) Assess and reject a bid submission on the basis of:
 - (i) information provided by references;
 - (ii) the bidder's past performance on previous contracts;
 - (iii) the information provided by a bidder pursuant to the City exercising its clarification rights under this bid process;
 - (iv) the bidder's experience with performing the type and scope of work specified;
 - (v) other relevant information that arises during this procurement process;
- j) Waive formalities and accept bids which substantially comply with the requirements of this bid solicitation;
- k) Verify with any bidder or with a third party any information set out in a bid submission;
- Disqualify any bidder whose bid submission contains misrepresentations or any other inaccurate or misleading information;
- m) Disqualify any bidder who has engaged in conduct prohibited by the bid solicitation;
- n) Make changes, including substantial changes, to the bid solicitation provided that those changes are issued by way of addenda in the manner set out in this bid document;
- Select any bidder other than the bidder whose bid submission reflects the lowest cost to the City;
- p) Cancel this procurement process at any stage, for any reason;
- q) Cancel this procurement process at any stage and issue a new bid solicitation for the same or similar deliverables;
- r) Accept any bid submission in whole or in part;

- s) Waive minor non-compliance with the mandatory requirements of the bid solicitation and accept the bid submission; or
- t) Accept a bid submission which contains the following errors:
 - error in mathematics whether this involves the extension of a unit price or an error in addition, the mistake will be corrected and the correct total will be used for evaluation purposes and will be binding on the bidder.
 - (ii) conflict between the written and numerical bid prices. In all cases, the total bid price will be corrected to reflect the written bid price, whether lump sum or unit price (where applicable).
 - (iii) failure to include the contingency allowance in the total bid price (where applicable). If the contingency allowance was not included in the addition, the bid price shall be corrected to reflect its inclusion.

and these reserved rights are in addition to any other express rights or any other rights which may be implied in the circumstances and the City shall not be liable for any expenses, costs, losses or any direct or indirect damages incurred or suffered by any bidder or any third party resulting from the City exercising any of its express or implied rights under this bid solicitation.

By submitting a bid, the bidder authorizes the collection by the City of the information set out at paragraph i) in the manner contemplated in that subparagraph.

Limitation of Liability and Waiver

Each bidder, by submitting a bid, agrees that:

- a) Neither the City nor any of its employees, agents, advisors or representatives will be liable, under any circumstances, for any Claim arising out of this procurement process including but not limited to costs of preparation of the bid submission, loss of profits, loss of opportunity or for any other Claim; and
- b) The bidder waives any Claim for any compensation of any kind whatsoever, including Claims for cost of preparation of the bid submission, loss of profit or loss of opportunity by reason of the City's decision to not accept the bid submitted by the bidder, to award a Contract to any other bidder or to cancel this procurement process, and the bidder shall be deemed to have agreed to waive such right or Claim.

Validity Period

The bid submission constitutes an offer which shall remain open and irrevocable until 90 days after the submission deadline.

Minor Irregularities

The City of Saint John reserves the right to waive minor non-compliances in accordance with Section 120 of the Province of New Brunswick's Regulation 2014-93 under the Procurement Act.



FORM OF TENDER

TENDER # 2024-471001T - Spruce Lake Screen Building Bypass Piping

The undersigned bidder has carefully examined the specifications and scope of work. The undersigned bidder has determined the equipment required and has the capability to comply with the terms and conditions herein described. Bidders must provide pricing on all items below otherwise bid will be rejected.

The undersigned bidder further agrees to provide all necessary equipment in accordance with the contract and agrees to accept, therefore, in payment in full, in accordance with the specifications, and terms and conditions, the sums of (all taxes extra):

Item Description	Qty	Unit Price	Total Extended Cost
1500x1500x1500 dia. CPP Flanged Tees	2		
1800 (Spigot) x 1500 (Bell) CPP Concentric Reducer	1		
1800 (Bell) x 1500 (Spigot) CPP Concentric Reducer	1		
1500mm dia. CPP Adaptor (Spigot x Flange)	1		
1500mm dia. CPP Adaptor (Spigot x Plain Steel End)	1		
1500mm dia. CPP Adaptor Spool Piece c/w 100mm IPT Port	1		
(Flange x Flange)			
1500mm dia. Adaptor CPP (Flange x Plain Steel End)	3		
1500mm dia. Adaptor CPP (Plain Steel End x Bell)	2		
1500mm dia. Split Sleeve Couplings	3		
150mm long by 100mm wide steel spacers in thickness	18		
equivalent to the plain steel ends (Welding by others)			
1500mm dia. Rolled steel restraint for connections.	2		
(Welding by Others).			
1800mm dia. Rolled steel restraint for connections.	2		
(Welding by Others).			
Total Cost			

Please provide estimated delivery date of Unit.

Warranties provided.

Yes:

No:

COMPANY:	SIGNATURE: NAME: (PRINT)
DATE:	TEL.#
H.S.T.(OR B.N.)REG.#:	FAX #

APPENDIX A – SPECIFICATIONS AND DRAWING

TENDER No. 2024-471001T Spruce Lake Screen Building Bypass Piping



City of Saint John

APPENDIX A - SPECIFICATIONS

TENDER NO. 2024-471001T SPRUCE LAKE SCREEN BUILDING BYPASS PIPING

MARCH 2024



TABLE OF CONTENTS

PARTICULAR SPECIFICATIONS



PARTICULAR SPECIFICATIONS

This division shall be read in conjunction with and take precedence where they may prove at variance with the City of Saint John, General Specifications.

3.1 ADDITIONAL SPECIFICATIONS FOR THIS PROJECT

3.1.01 Work Description

The work consists of the supply of materials for purchase and delivery to Saint John, NB.

More specifically, the project includes the supply of approximately:

- 2-1500x1500x1500 dia. CPP Flanged Tees.
- 1800 (Spigot) x 1500 (Bell) CPP Concentric Reducer.
- 1800 (Bell) x 1500 (Spigot) CPP Concentric Reducer.
- 1500mm dia. CPP Adaptor (Spigot x Flange).
- 1500mm dia. CPP Adaptor (Spigot x Plain Steel End).
- 1500mm dia. CPP Adaptor Spool Piece c/w 100mm IPT Port (Flange x Flange).
- 3-1500mm dia. Adaptor CPP (Flange x Plain Steel End).
- 2-1500mm dia. Adaptor CPP (Plain Steel End x Bell).
- 3-1500mm dia. Split Sleeve Couplings.
- 18-150mm long by 100mm wide steel spacers in thickness equivalent to the plain steel ends. (Welding by Others)
- 2-1500mm dia. Rolled steel restraint for connections. (Welding by Others).
- 2-1800mm dia. Rolled steel restraint for connections. (Welding by Others).
- Other related work all as described in these specifications and required to make final connections.

All Butterfly Valves, mechanical joint couplings, blind flange, 1500mm x 600mm flanged reducer, petrolatum paste, mastic and wrap and gasket and bolt packs supplied by others.

3.1.02 Project Schedule

The supplier shall submit a proposed schedule for the following:

- Delivery to Saint John of shop drawings for review. Saint John will return reviewed shop drawings within 1 week of receipt.
- Schedule of production and manufacturing of items required.
- Schedule of delivery to Saint John, NB.

The project requires that the schedule will have a hard deadline of delivery of materials to Saint John by August 1, 2024. The supplier shall coordinate delivery of the items with Saint John Water Operations.

3.1.03 Pre-stressed Concrete Cylinder Pipe

The suppliers bidding this project are to be aware that this project was designed using Pre-stressed Concrete Cylinder Pipe C301 (L). The 1800mm diameter pipe connection is described as C-302 CL IV and the 1500mm diameter pipe connection C-301 (L) CL 12.5. A copy of the original shop drawings and the specified 1800mm diameter pipe from the original specifications are attached in at the end of these



particular specifications. Components such as reducers, tees, and adaptors are to be at a minimum length to allow the components to fit in space available.

- Pre-stressed Concrete Pressure Pipe Steel-Cylinder type: manufactured to AWWA C301 (L), and as follows:
 - Pipe composition: 1500 mm dia. C301 (L), welded steel cylinder with sized steel joint rings welded to its ends; minimum thick lining of concrete or mortar centrifugally applied within steel cylinder and spigot ring as per AWWA C301 (L); continuous prestressing wire reinforcement helically wound around outside of cylinder and welded to steel joint ring at each end of cylinder; 25 mm thick mortar coating covering cylinder and wires except for surfaces of spigot joint ring; and a self-centring watertight joint with an o-ring gasket. The pipe will be installed in accordance with the manufacturer's directions.
 - Designed for a maximum operating pressure 345 kPa. Testing pressure will be 1.5 times maximum operating pressure.
 - Joints with flexible diaper and grout with cement mortar at each joint as follows:
 - Bell and spigot type, self-centering, exposed surface zinc metallized, and epoxy coated; steel ring end plates, minimum 6 mm thick.
 - Gaskets: continuous solid-ring pre-formed rubber gasket.
 - Joint protection:
 - Bell and spigot joints: exterior and interior field-applied cement mortared, and exterior flexible diaper.
 - Interface of pipe exterior mortar coating/bell-spigot plate: silicone sealer.
 - Cement mortar: pre-packaged dry grout mix to CAN/CSA-A179, Type N, in waterproof bags, one part Portland cement type 50 containing 15% fly ash to no more than three parts clean sand. Exterior joint mortar mixed with water to thick cream consistency; interior joint mortar to very stiff yet workable mixture.
 - Pipe corrosion protection: polyurethane barrier coating or silica fume exterior mortar coating, as follows:
 - Polyurethane barrier coating: factory applied 25 mils DFT, Elastuff 120 by United Coatings, or Corropipe II PW, or approved equal. Barrier coating not to be applied at pipe ends where joint mortar is to be field applied.
 - Pipe corrosion protection alternative: silica fume mortar instead of regular pipe mortar coating, provide 25 mm cover over pipe reinforcement.

The plain steel ends are to have an outside diameter (OD) equal to the OD of 1500mm dia. ductile iron pipe.

Bell and spigot connections are to include suppliers recommended restraint including holdfast and snap ring rolled steel rings or approved equivalent.

For the connections to the existing 1800mm diameter and 1500mm diameter, the pipe supplier is to provide rolled steel between the bell and spigot to create a restrained connection.

3.1.04 Fittings

• Fittings: to AWWA C303 Sections 3 and 4, and with pressure rating equivalent to adjacent pipe; fabricated of welded steel sheet or plate to AWWA C207; lined and



coated with cement mortar, minimum 25 mm cover over reinforcement; mortar coating and lining reinforced with wire fabric; and as follows:

- Plate thickness: minimum steel shell thickness including plain ends 12.5 mm, except flange x plain end steel make-up pieces minimum steel shell thickness 9.5 mm.
- Reinforce fabricated tees with crotch plates as required, in accordance with AWWA C303, Section 4.4.
- Ends:
 - Flanges: in accordance with AWWA C207 "Steel Pipe Flanges" Class D, machined faced for flat gasket complete with 1050 kPa (150 psi) Steel Flange Standard drilling and dimensions to receive valves having dimensions and face drilling in accordance with ANSI Standard B16.1 Class 125.
 - Plain ends: cement mortar lined conforming to standard ductile iron pipe sizes.
 - Bell and spigot ends: self centering exposed surface zinc metalized and epoxy coated; steel ring end plates, minimum 6 mm thick, bell end plate minimum 203 mm wide, spigot end plate minimum 229 mm wide.
- Joint protection:
 - Bell and spigot joints: exterior and interior field-applied cement mortared, and exterior watertight diaper.
 - Interface of pipe exterior mortar coating/bell-spigot plate: silicone sealer.
 - Cement mortar: prepackaged dry grout mix to CAN/CSA-A179, Type N, in waterproof bags, one part Portland cement type 50 containing 15% fly ash to no more than three parts clean sand. Exterior joint mortar mixed with water to thick cream consistency; interior joint mortar to very stiff yet workable mixture.
 - All joints requiring thrust restraint at reducers, spools and connections to existing will have Holdfast Coupling Restrained Joint Assemblies or snap ring Restraints installed in accordance with the manufacturer's directions. The costs for the supply and installation of Holdfast Restrained Joint and/or snap ring will not be paid for separately and will be incidental to the Work.
- Corrosion protection: polyurethane barrier coating or silica fume exterior mortar coating, as follows:
 - Polyurethane barrier coating: factory applied 25 mils DFT, Elastuff 120 by United Coatings, or Corropipe II PW, or approved equal. Barrier coating not to be applied at pipe ends where joint mortar is to be field-applied.
 - Pipe corrosion protection alternative: silica fume mortar instead of pipe mortar coating, provide 25 mm cover over pipe reinforcement.

3.1.05 Gaskets, Flanges and Bolts for Flanges

- Flanges as follows:
 - Flanged tees and spools to be AWWA C207-13 Class D.
 - Flanged connection gaskets and bolt packs supplied by others.
 - Corrosion protection of flanged ends will be with petrolatum paste, mastic and wrap supplied by others.
- Gaskets and Bolts for Flanges as follows:
 - Gaskets to be red rubber material of 3 mm thickness supplied by others.
 - Unless otherwise specified, all bolts and nuts to be American Standard threads of the coarse thread series, conforming to ANSI B182.2. For sizes 30 mm diameter and below, threads shall be conventional type and material conforming to ASTM A193 (Grade B-7) or to ASTM A325 (S.A.E. Grade 5) supplied by others.



 Nuts for all sizes to conform to ASTM A-194 (Grade 2H). Bolts to be hexagonal semi-finished nuts. Length of any bolt to be such that it will not project beyond nut more than 10 mm or less than 5 mm and no bolt shall be less than the diameter of the hole in which it fits by more than 3 mm. Bolts to be utilized for all flanged joints unless otherwise indicated and supplied by others.

3.1.06 <u>Couplings</u>

Three 1500mm diameter split sleeve coupling will be required for the closures at three connection points. Couplings shall be steel.

The steel thickness of the split sleeve coupling is to at least be the same if not greater than the steel spools being welded to. All welding by others.

Split Sleeve Couplings are to be sized to fit 1500mm dia. OD steel ends.

3.1.07 <u>Restraints</u>

All restraints to be holdfast or snap-ring and in the case of connecting to existing pipe shall be rolled steel of a size to fit between the steel and bell and spigot ring or approved equal.

3.1.08 Shop Drawings & Submittals

Shop drawing submissions will be required as a minimum for the following for review by the Engineer:

- Tees.
- Spools and Adaptors.
- Restraints.
- Cement Mortar.
- Any additional items where specified in these Specifications.
- Any other materials for which the Engineer requests shop drawings.

Shop drawings shall be in accordance with Division 7.3 of the City of Saint John General Specifications.

In addition to the shop drawings requirements of Division 7.3 of the City of Saint John General Specifications, the Contractor is to submit an electronic copy of the shop drawings bearing a digital signature to show proof of review of the Contractor.

Prior to manufacturing of any material, and sufficiently in advance of requirements to allow Saint John Water Operations time for review, submit for review detailed, dimensioned drawings or cuts, showing construction, size, arrangement, operating clearances, performance characteristics and capacity. Each piece of material proposed shall be a standard catalogue product of an established manufacturer and of quality, finish, and durability to that specified.

Samples, drawings, specifications, catalogues, submitted for review, shall be properly labeled indicating specified service for which material or equipment is to be used, section and article number of specifications governing, Contractor's name and name of job.

Catalogues, pamphlets, or other documents submitted to describe items on which review is being requested, shall be specific and identification in catalogue, pamphlet, etc. of item submitted shall be clearly made in ink. Data of a general nature will not be accepted. Shop drawings with engineering content must bear the stamp and signature of the engineer



responsible for their preparation. This engineer must be licensed or registered in New Brunswick.

Failure of the supplier to submit shop drawings in ample time for review shall not entitle them to any extension of contract time, and no claim for extension by reason of such default will be allowed.

The Saint John Water Operations will review and return the shop drawings within one week of receiving the digital package.

The costs associated with shop drawing preparation will not be paid for separately and will be considered incidental to the supply of the materials.

Method of Measurement:

Method of payment of water main listed pipe is lump sum. The price is to include delivery to Saint John, NB at the Spruce Lake site. The supplier is to communicate date of delivery to allow the City to provide on site equipment to off load materials.

Included in the costs of the pipe and fittings is a full restraint system, o-ring gaskets, diapers, and cement mortar.



3.2 REVISIONS TO THE GENERAL SPECIFICATIONS





CONNECTION #2 LIST OF MATERIAL	ς
CONNECTION #2 LIST OF WATERIA	

DESCRIPTION	CONNECTION
1500Ø SPLIT SLEEVE COUPLING OR SLEEVE COUPLING	
1500Ø CPP ADAPTOR	SPIGOT x FLG
1500x1500x1500 CPP TEE	FLG
1500Ø CPP ADAPTOR	FLG x PSE
1500Ø CPP ADAPTOR	PSE x BELL
1500x600 CONCENTRIC REDUCER	FLG
600Ø BUTTERFLY VALVE	FLG



 NOTES ALL DIMENSIONS ARE IN MILLIMETRES. THE HORIZONTAL DATUM UTILIZED IS NAD83 (CSRS) NEW BRUNSWICK DOUBLE STEROGRAPHIC PROJECTION. ALL ELEVATIONS ARE IN GEODETIC METRES AND REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1928 (CGVD28) ALL CHAINAGES ARE IN METRES. LOCATION OF EXISTING SERVICES, STRUCTURES AND BUILDINGS APPROXIMATE ONLY. CONTRACTOR TO CONFIRM IN FIELD PRIOR TO EXCAVATION. ALL FIELD SURVEY INFORMATION PROVIDED BY CITY OF SAINT JOHN AND CBCL LIMITED. TYPICAL TRENCH DETAIL, PIPE INSTALLATION, FITTINGS & STRUCTURES, CONCRETE CURB AND SIDEWALK AS PER THE CITY OF SAINT JOHN MUNICIPAL OPERATIONS GENERAL SPECIFICATIONS. CATCH BASINS TO BE 750Ø AND MANHOLES TO BE 1050Ø UNLESS OTHERWISE NOTED. ALL WATER LINES LESS THAN 1.8m COVER TO BE INSULATED WITH 50mm THICK RIGID "STYROFOAM SM" BOARD. ALL WATER, SANITARY AND STORM STUBS TO BE PLUGGED/CAPPED & WATER MAIN FITTINGS TO BE RESTRAINED. LOCATION TO BE MARKED WITH A 138x89 STUD FROM INVERT OF PIPE TO 300mm BELOW FINISH GRADE. CONTRACTOR TO ENSURE THAT ALL MUNICIPAL INFRASTRUCTURE, PUBLIC UTILITY, NATURAL GAS AND OTHER INFRASTRUCTURE, PUBLIC UTILITY, NATURAL GAS AND OTHER INFRASTRUCTURE ARE LOCATED IN THE FIELD PRIOR TO START OF EXCAVATION.
PROJECT No. 232907.01 LEGEND PROPOSED EXISTING SANITARY MANHOLE (SMH) O STORM MANHOLE (STMH) O SANITARY SEWER SAN SANITARY FORCE MAIN FM SANITARY FORCE MAIN FM SANITARY FORCE MAIN W COMBINED SEWER CS SISULATION VALVE S COMBINED SEWER CS SISULATION VALVE S CURB STOP O VALVE IN CHAMBER S S/W SIDEWALK S/W S/W SIDEWALK S/W CURB & GUTTER C/G CURB C/G CURB & GUTTER C/G S/W SIDEWALK S/W S/W CURB & GUTTER C/G C/G V/G UNDERGROUND UTILITES 0/H U
LIGHT STANDARD O Image: Constraint of the standard standard Image: Constraint of the standard standard A KDT 2024-02-27 Image: Constraint of the standard standard Image: Constraint of the standard NO. BY DATE REVISION
CITY OF SAINT JOHN
PROJECT TITLE SPRUCE LAKE WATER TRANSMISSION MAIN
DRAWING TITLE SCREEN BUILDING BY-PASS PIPE CONNECTION DETAILS
SEAL CONTRACT NO. YYYY - PP SCALE AS NOTED S CONTRACT NO. YYYY - PP SCALE AS NOTED S CONTRACT NO. YYYY - PP SCALE AS NOTED S CHECKED BY KDT BMM
PROJECT ENGINEER CHIEF CITY ENGINEER SIGNATURES BY THE PROJECT ENGINEER AND CHIEF CITY ENGINEER ONLY INDICATE THAT THIS IS THE FINAL SET OF DRAWINGS SUBMITTED BY THE CONSULTANT FOR THIS TENDER. SHEET 02 FILE OE 00 XXXX







Ś