



REQUEST FOR QUOTATION

CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO AMMONIA ICE RINK PLANTS

RFQ No. PS20211680

Issue Date: January 17, 2022

Issued by: City of Vancouver (the "City")

**IN RESPECT OF
TSBC 2021 Safety Order Compliance Upgrades to Ammonia Ice Rink Plants**

Quotations are to be submitted by email in accordance with the instructions below and should be received prior to 3:00 p.m., Vancouver Time (as defined in Note 2 below), on February 3, 2022 (the “Closing Time”).

QUOTATIONS WILL NOT BE PUBLICLY OPENED.

NOTES:

1. Quotations should be submitted by email prior to the Closing Time in accordance with the following:
 - Subject of the file to be: PS# - Title – Vendor name.
 - Document format for submissions:
 - PDF format – 1 combined PDF file.
 - Zip the files to reduce file size if needed.
 - Send your submissions to Bids@vancouver.ca; do not deliver a physical copy to the City of Vancouver.
 - Submitting the files via Drop box, FTP, or any other method, is not acceptable.
 - Due to cybersecurity concerns, the City of Vancouver will quarantine any inbound email with attachments not in PDF or Microsoft Office formats which will result in non-delivery to Supply Chain Management and will be deemed not submitted. Non-compliant file formats will be detected and quarantined even if they are compressed, zipped, renamed, and include password protected zipped files.
 - The maximum number of attachments allowed in an email message is 250 attachments.
 - The maximum size limit for an email message, including all attachments, is 20MB per message
2. “Vancouver Time” will be conclusively deemed to be time in the City of Vancouver, as indicated in the electronic timestamp the Quotation receives upon delivery to the email address specified herein, which is in turn synchronized to Network Time Protocol (NTP) provided by the National Research Council of Canada adjusted to local Pacific Time Zone.
3. All queries related to this RFQ should be submitted in writing to the attention of:

Jason Lo, Contracting Specialist

Email: jason.lo@vancouver.ca

(the “Contact Person”)

REQUEST FOR QUOTATIONS NO. PS20211680
CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
TABLE OF CONTENTS

INSTRUCTIONS TO VENDOR

Pages 1 – 5

- 1.0 INTRODUCTION AND SUBMISSION INSTRUCTIONS**
- 2.0 COMPLIANCE WITH CITY POLICY**
- 3.0 INQUIRIES**
- 4.0 PRICING**
- 5.0 ADDRESS(ES) FOR DELIVERIES OR WORK**
- 6.0 DELIVERY TIMES OR WORK SCHEDULES**
- 7.0 QUANTITIES**
- 8.0 TERMS OF PAYMENT**
- 9.0 CONTRACTING**
- 10.0 ALTERNATIVES / DEVIATIONS**
- 11.0 EVALUATION CRITERIA**
- 12.0 NO CLAIMS AGAINST THE CITY**
- 13.0 CONFLICTS/COLLUSION/LOBBYING**
- 14.0 INSURANCE AND WORKERS' COMPENSATION COVERAGE**

QUOTATIONS FORM

Pages QF1 – QF6

APPENDIX 1 – SPECIFICATIONS

APPENDIX 2 – DRAWINGS

APPENDIX 3 – DECLARATION OF SUPPLIER CODE OF CONDUCT COMPLIANCE

APPENDIX 4 – INSURANCE FORMS

APPENDIX 5 – VENDOR'S EXPERIENCE WITH RELATED WORK

APPENDIX 6 – SUBCONTRACTORS

APPENDIX 7 – OWNERS LIST OF KNOWN WORKPLACE HAZARDS

APPENDIX 8 – SAMPLE FORM OF AGREEMENT

REQUEST FOR QUOTATIONS NO. PS20211680
CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS

INSTRUCTIONS TO VENDOR

1.0 INTRODUCTION AND SUBMISSION INSTRUCTIONS

- 1.1 The City of Vancouver (the “City”) is seeking quotations to determine if it will enter into an agreement for a Contractor to perform Safety Order Compliance Upgrades to Ammonia Ice Rink Plants.
- 1.2 Vendors should carefully review Appendix 1 – Requirements for a detailed description of the City’s requirements.
- 1.3 Drawings will be made available on the FTP site with details as follow:
To access the site, use your web browser and go to: <https://webtransfer.vancouver.ca/>
The user ID is: **PS20211680DL@coveftp01**
The password is: **NVZE62#8fh9L** (The password is case sensitive)
- 1.4 **THIS IS NOT AN INVITATION TO TENDER. VENDORS ARE NOT REQUIRED TO SUBMIT IRREVOCABLE OFFERS.**
- 1.5 Vendors should carefully review the City’s intended form of agreement attached as Appendix 4 and indicate in its quotation the extent to which the form of agreement is consistent with its quotation. If the quotation is inconsistent with any part of the form of agreement, the vendor must so state and must propose alternative contract language as part of its quotation using section 2.0 of the Quotation Form.
- 1.6 Vendors should submit quotations via email in accordance with the above submission instructions and in the format provided. Failure to do so may result in the quotation being put aside and given no further consideration. Failure to complete all fields in the quotation form may result in the vendor’s quotation being set aside and given no further consideration.
- 1.7 If a vendor believes that the City may be unable to select it due to a conflict of interest, but is uncertain about this, the vendor is urged to contact the Contact Person as soon as possible with the relevant information so that the City may advise the vendor regarding the matter.

2.0 COMPLIANCE WITH CITY POLICY

- 2.1 The City’s Procurement Policy, Ethical Purchasing Policy and related Supplier Code of Conduct found at <http://vancouver.ca/doing-business/selling-to-and-buying-from-the-city.aspx> align the City’s approach to procurement with its corporate social, environmental and economic sustainability values and goals. They evidence the City’s commitment to maximize benefits to the environment through product and service selection, and to ensure safe and healthy workplaces, where human and civil rights are respected.
- 2.2 Each vendor is expected to: (a) complete the form attached as Appendix 3 and attach it to its quotation; and (b) adhere to the supplier performance standards set forth in the Supplier Code of Conduct. In addition, the Ethical Purchasing Policy shall be referred to in the evaluation of quotations, to the extent applicable.
- 2.3 Vendors are to provide environmentally sensitive products or services wherever possible. Where there is a requirement that a vendor supply materials, and where such materials may cause adverse environmental effects, the vendor should indicate the nature of the hazard(s) in its quotations. Furthermore, each vendor is asked to advise the City of any

REQUEST FOR QUOTATIONS NO. PS20211680
CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS

known alternatives or substitutes for such materials that would mitigate such adverse effects.

3.0 INQUIRIES

- 3.1 It is the responsibility of each vendor to satisfy itself as to the requirements set out in this RFQ. Inquiries are to be addressed only to the contact person named on the cover page of this RFQ no later than five (5) business days prior to Closing Time. If required, an addendum will be issued to all vendors.

4.0 PRICING

- 4.1 Prices quoted are to be inclusive of provincial sales tax payable by the City under the *Provincial Sales Tax Act* (“**PST**”), but exclusive of any tax calculated upon such prices under the federal *Excise Tax Act* (“**GST**”), where applicable, except where expressly requested to the contrary.
- 4.2 Each vendor should indicate any time limitation on its pricing. The City expects that, if it purchases goods or services as a result of responses to this RFQ, it will do so between approximately February 3, 2022 and May 3, 2022; therefore, each vendor should indicate whether or not its pricing will remain in effect throughout that period.
- 4.3 Prices are to include the taxes required to be included under Section 4.1 above as well as all fees, charges, overhead, profit and other expenses or costs of any kind whatsoever necessary for or incidental to the supply and delivery of the specified item or the performance of the applicable services.
- 4.4 Prices are to be quoted in Canadian currency.

5.0 ADDRESS(ES) FOR DELIVERIES OR WORK

- 5.1 Any successful vendor of goods may be asked to deliver goods to or perform work or to such other addresses as are specified in a City contract or purchase order.

6.0 DELIVERY TIMES OR WORK SCHEDULES

- 6.1 Vendors are asked to state in their quotations the time(s) required from the placement of an order to delivery of goods or completion of work. The City may give precedence to vendors who can achieve the earliest completion or meet the Substantial Performance targeted as Aug 31, 2022 at the locations stated in Section 5.0, above.

7.0 QUANTITIES – INTENTIONALLY DELETED

8.0 TERMS OF PAYMENT

- 8.1 The City’s proposed payment terms are as indicated in the form of agreement attached as Appendix 8; however, any discounts or more favourable (or less favourable) terms which may be offered by a vendor will be taken into consideration in evaluating quotations.
- 8.2 Canadian-based vendors will be required to accept payment via Electronic Funds Transfer (except for one-time only payments). United States based vendors will be paid via cheque and international vendors will be paid via wire transfer.

9.0 CONTRACTING

- 9.1 The City currently expects that the result of this RFQ will be that it will contact the successful vendor to propose the entry into a contract in the form of Appendix 8.

REQUEST FOR QUOTATIONS NO. PS20211680
CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS

- 9.2 The City may elect not to buy anything or enter into any contract as a result of this RFQ. The City may elect to enter into a contract or place an order resulting from this RFQ with one vendor or more than one vendor. The City is not obligated to enter into an exclusive arrangement with any vendor or to purchase any quantity of goods or services.
- 9.3 Where the head office of a successful vendor is located within the City of Vancouver and/or where a successful vendor is required to perform services at a site located within the City of Vancouver, the successful vendor is required to have a valid City of Vancouver business license (or, if available, a Metro West Inter-municipal Business License).

10.0 ALTERNATIVES / DEVIATIONS

- 10.1 If a vendor offers goods or services that do not meet all of the requirements of Appendix 1 instead of, or as an alternative to, goods or services meeting all of such requirements, the deviations or alternatives should be indicated in the vendor's quotation. The City may elect to consider and/or accept an offer of goods or services that deviate from those stated in Appendix 1, or the City may decide not to consider them, and may set aside the relevant vendor's quotation if it does not also offer goods or services meeting all of the requirements of Appendix 1.

11.0 EVALUATION CRITERIA

- 11.1 Quotations will be evaluated to determine which are likely to offer the overall best value to the City. The City expects to place the greatest emphasis on price; however, the City may take into account other factors affecting value, including those concerning quality, service or sustainability, or vendors' past work, reputations or experience. Therefore, the City may accept a quotation other than the lowest quotation.
- 11.2 The City may elect to not accept any quotation, and may terminate or amend this RFQ at anytime.
- 11.3 The City may discuss or negotiate variations from the scope of the RFQ or changes to the scope of goods/services to be offered by a vendor or the pricing therefor, with any one or more of the vendors responding to the RFQ without having any duty or obligation to advise other vendors or to allow other vendors to vary their quotations as a result of such discussions or negotiations.
- 11.4 For the avoidance of doubt, notwithstanding any other provision in the RFQ, the City has in its sole discretion, the unfettered right to: (a) accept any Quotation; (b) reject any Quotation; (c) reject all Quotations; (d) accept a Quotation which is not the lowest-price quotation; (e) accept a Quotation that deviates from the requirements or the conditions specified in the RFQ; (f) reject a Quotation even if it is the only Quotation received by the City; (g) accept all or any part of a Quotation; (h) split the scope of work between one or more Vendors; and (i) enter into one or more agreements respecting the subject matter of the RFQ with any entity or entities at any time. Without limiting the foregoing, the City may reject any Quotation by a Vendor that has a conflict of interest, has engaged in collusion with another Vendor or has otherwise attempted to influence the outcome of the RFQ other than through the submission of its Quotation.

12.0 NO CLAIMS AGAINST THE CITY

- 12.1 In submitting a quotation, the vendor acknowledges and agrees that:
- (a) this RFQ is in no way whatsoever an offer to enter into a supply agreement or an agreement imposing any duty of fairness on the City;

REQUEST FOR QUOTATIONS NO. PS20211680
CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS

- (b) submission of a quotation does not in any way whatsoever create any obligation on the part of the City to treat the vendor's or any other vendor's quotation in any particular manner or undertake this RFQ process in any particular manner (except as expressly stated in Section 12.1(c);
- (c) subject to the applicable provisions of the *Freedom of Information and Protection of Privacy Act (British Columbia)* and the City's right to publicly disclose information about or from any quotation, including without limitation names and prices, in the course of publicly reporting to the Vancouver City Council about the RFQ, the City will treat each quotation (and the City's evaluation of it), in confidence in substantially the same manner as it treats its own confidential material and information; and
- (d) the City will not be responsible for any costs, expenses, losses, damages (including damages for loss of anticipated profit) or liabilities incurred or alleged to be incurred by the vendor in relation to its submission of a quotation, except under the preceding Section 12.1(c).

13.0 CONFLICTS/COLLUSION/LOBBYING

- 13.1 Each vendor must disclose whether any officer, director, shareholder, partner, employee or contractor of the vendor or of any of its proposed subcontractors, or any other person related to the vendor's or any proposed subcontractor's organization (a "person having an interest") or any spouse, business associate, friend or relative of a person having an interest is:
- (a) an elected official or employee of the City; or
 - (b) related to or has any business or family relationship with an elected official or employee of the City,
- in each case such that there could be any conflict of interest or an appearance of a conflict of interest in the evaluation or consideration of the vendor's quotation by the City. The City will evaluate each matter disclosed to determine whether and to what extent the vendor can be given consideration in the RFQ in light of the particular matter.
- 13.2 Each vendor must disclose whether any person having an interest (as defined above) is a former official, former employee or former contractor of the City who has non-public information relevant to the RFQ obtained during his or her employment or engagement by the City. The City will evaluate each matter disclosed to determine whether and to what extent the vendor can be given consideration in the RFQ in light of the particular matter.
- 13.3 Each vendor must disclose whether the vendor or any of its proposed subcontractors is currently engaged in supplying (or is proposing to supply) goods or services to a third party such that becoming a supplier to the City in response to this RFQ would create a conflict of interest or the appearance of a conflict of interest between the vendor's duties to the City and the vendor's or its subcontractors' duties to such third party. The City will evaluate each matter disclosed to determine whether and to what extent the vendor can be given consideration in the RFQ in light of the particular matter.
- 13.4 Each vendor is required to disclose whether the vendor is competing for purposes of the RFQ with any entity with which it is legally or financially associated or affiliated. Each vendor must also disclose whether it is cooperating in any manner in relation to the RFQ with any other vendor responding to the RFQ. The City will evaluate each matter disclosed

to determine whether and to what extent the vendor can be given consideration in the RFQ in light of the particular matter.

- 13.5 Each vendor is required to disclose whether it or any officer, director, shareholder, partner, employee or agent of the vendor or any of its proposed subcontractors: (1) is registered as a lobbyist under any lobbyist legislation in any jurisdiction in Canada or in the United States of America; or (2) has engaged in any form of political or other lobbying whatsoever with respect to the RFQ or sought, other than through the submission of its quotation, to influence the outcome of the RFQ process. The City will evaluate each matter disclosed to determine whether and to what extent the vendor can be given consideration in the RFQ in light of the particular matter.

14.0 INSURANCE AND WORKERS' COMPENSATION COVERAGE

- 14.1 Each vendor must complete, sign and attach to its quotation the insurance form(s) included as Appendix 5.
- 14.2 In addition, each vendor must include with its quotation a letter confirming its current WorkSafeBC registration.

15.0 MANDATORY SITE WALK-THROUGH

- 15.1 Vendors are required to attend a 2-Day mandatory site walk-thru on for the following dates (Allow 20 minute drive time between sites) :

- 15.2 **Day 1: Thursday, January 20, 2022** commencing at **12:00 p.m.** and lasting for approximately four hours.

- 1) Sunset Rink: 390 E 51st Ave Vancouver BC; Start Time: **12:00 p.m.**
- 2) Kerrisdale Cyclone Taylor Arena: 5670 East Blvd Vancouver BC; Start Time: 1:00 p.m.
- 3) Kitsilano Rink: 2690 Larch St Vancouver BC; Start Time: 2:00 p.m.
- 4) Britannia Rink: 1661 Napier St Vancouver BC; Start Time: 3:00 p.m.

Day 2: Friday, January 21, 2022 commencing at **12:00 p.m.** and lasting for approximately four hours.

- 5) Trout Lake Rink: 3350 Victoria Dr Vancouver BC; Start Time: **12:00 p.m.**
 - 6) Killarney Rink: 6260 Killarney St Vancouver BC; Start Time: 1:00 p.m.
 - 7) Hillcrest Rink: 4575 Clancy Loranger Way Vancouver BC; Start Time: 2:00 p.m.
 - 8) West End Rink: 870 Denman St Vancouver BC; Start Time: 3:00 p.m.
- 15.3 Bidders are asked to assemble at the entrance of the rink of Sunset Rink on Day 1 and Trout Lake Rink on Day 2.
- 15.4 Attendees to the 2-Day mandatory site walk-thru are required to have the following personal protective equipment:

REQUEST FOR QUOTATIONS NO. PS20211680
CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS

- (a) Face-mask worn at all times both indoor and outdoor
- (b) Yellow Hi-visibility reflective vest or coveralls as per City of Vancouver requirements;
- (c) Safety protective footwear (heavy-duty, above the ankle, construction-type safety boots with an external triangular green CSA patch). Boots should also be approved as shock-resistant when working on electrical systems (display an external white Ω CSA patch); and
- (d) Approved safety eyewear.

15.5 Vendors are asked to pre-register for the 2-Day mandatory site walk-thru by submitting the Site Walk-thru Attendance Form (Section 19.0 of these Instructions) to the Contact Person by email on or prior to Wednesday, January 19, 2022.

16.0 SITE EXAMINATION AND PRE-SUBMISSION DUE DILIGENCE

16.1 Vendors should make a careful examination of the site and investigate and satisfy themselves at their own risk and expense as to all matters relating to the nature and extent of work, the means of access to the site, the extent of required coordination with public use of adjacent areas, and any and all matters which are referred to in the Specifications and other documents, or which are necessary for the full and proper completion of any work or are required by the conditions under which it must be performed. No allowance will be made subsequently for any error, negligence, interpretation, or misinterpretation on a vendor's part.

16.2 The City does not make any representations or warranties concerning the completeness or accuracy of site and geotechnical information (if any) provided in or with the project documents, and each vendor must evaluate such information as part of its overall assessment of actual site conditions.

17.0 COMPANY PROFILE AND EXPERIENCE WITH RELATED WORK

17.1 In section 8 of the Quotation Form the vendor should provide a summary of its company profile, history, key personnel and years in business. Details confirming that the vendor and its proposed subcontractors have the required capability, certifications, and experience to perform the Work should be included.

17.2 Each vendor should submit with its Quotation, using Appendix 6 (Experience with Related Work), information concerning a minimum of three completed projects (similar in scope and size to the work of this RFQ), for each of itself and its proposed subcontractors.

17.3 Using Appendix 7 (Sub consultants, Subcontractors and Suppliers) Vendors should provide details of the proposed consultant's and sub-consultant's key personnel who will work on the project and confirm that they have the certifications listed in

section 4.0 of Appendix 1 (Requirements). Proposed contractors, subcontractors, and suppliers should also be listed.

18.0 LIVING WAGE EMPLOYER

- 18.1 Effective May 1, 2017, the City of Vancouver became a “Living Wage Employer”. As such, the City requires all firms that are contracted by the City to provide services on City-owned and leased properties to pay employees who perform those services on City property a Living Wage as calculated by the Living Wage for Families Campaign.

Please see the Living Wage for Families Campaign website for the current Living Wage for Vancouver:

http://www.livingwageforfamilies.ca/living_wages_in_bc_and_canada

The Living Wage includes the value of any non-mandatory benefits such as paid sick leave, employer-paid Medical Services Plan premiums and extended health benefits.

The Living Wage for Families has created a Living Wage Calculator to assist with the calculation of an employee’s hourly rate with benefits. The Living Wage Calculator can be found at the following website:

<http://www.livingwageforfamilies.ca/employers/living-wage-calculator/>

Applicants should refer to Schedule 1 – Sample Form of Agreement GC section 10.5 for the specific requirements related to the Living Wage, which include:

- (a) paying the Living Wage to all employees who perform services pursuant to the Agreement on City property during the term of the Agreement; and
- (b) ensuring that all subcontractors pay the Living Wage to their employees who perform services on City property during the term of the Agreement.

REQUEST FOR QUOTATIONS NO. PS20211680
CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS

19.0 MANDATORY SITE WALK-THRU ATTENDANCE FORM



CITY OF VANCOUVER
Request for Quotation No. PS20211680

To acknowledge your intent to attend the mandatory site walk-thru and to ensure that you receive the required information, please submit this form to the person identified below in accordance with the RFQ:

Jason Lo
City of Vancouver
Email: jason.lo@vancouver.ca
(the "Contact Person")

Your details:

Vendor's Name:

"Vendor"

Address:

Telephone:

Fax:

**Key Contact
Person:**

E-mail:

We will attend the Information Meeting for: RFQ No. PS20211680, "**CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO AMMONIA ICE RINK PLANTS**".

Signature

Name of Authorized Signatory (Please print)

E-mail Address (Please print)

Date

REQUEST FOR QUOTATIONS NO. PS20211680
CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS

QUOTATIONS FORM

ATTENTION: JASON LO

FROM: _____ (Company Name)

_____ (Contact Name)

SUBJECT: REQUEST FOR QUOTATIONS NO. PS20211680 (THE "RFQ")

The undersigned vendor, having carefully read and examined the RFQ and having full knowledge of the requirements described therein, does hereby offer to provide the goods and/or services in accordance with the specifications and terms and conditions set out in the RFQ (except as expressly noted below in this completed Quotation Form) and upon the pricing and other terms and conditions referred to below in this completed Quotation Form.

1.0 TABLE OF PRICES:

1.1 The vendor should complete the Pricing Tables provided below and submitted as their financial offering. If an item is not being quoted enter "No Bid" in the space provided.

a. All prices quoted are to be in compliance with Section 4.0 – Pricing of the RFQ's Instructions to Vendors.

Table1 - Pricing Schedule

Item	Project Tasks	Price
1.	Supply, install, and commission the Britannia Ice Arena - TSBC Safety Order SO-BP 2021 01 & 02 Compliance Upgrades project (price to provide all work per Specifications, Drawings, and other bid document)	
2.	Supply, install, and commission the Hillcrest Ice Arena - TSBC Safety Order SO-BP 2021 01 & 02 Compliance Upgrades project (price to provide all work per Specifications, Drawings, and other bid document)	
3.	Supply, install, and commission the Kerrisdale Ice Arena - TSBC Safety Order SO-BP 2021 01 & 02 Compliance Upgrades project (price to provide all work per Specifications, Drawings, and other bid document)	
4.	Supply, install, and commission the Extra Work for Killarney Ice Arena - TSBC Safety Order SO-BP 2021 01 & 02 Compliance Upgrade project (price to provide all work per Addendum #1A & #2, P & I drawing Revision 3, and other bid document)	

REQUEST FOR QUOTATIONS NO. PS20211680
CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS

5.	Supply, install, and commission the Kitsilano Ice Arena - TSBC Safety Order SO-BP 2021 01 & 02 Compliance Upgrades project (price to provide all work per Specifications, Drawings, and other bid document)	
6.	Supply, install, and commission the Sunset Ice Arena - TSBC Safety Order SO-BP 2021 01 & 02 Compliance Upgrades project (price to provide all work per Specifications, Drawings, and other bid document)	
7.	Supply, install, and commission the Trout Lake Ice Arena - TSBC Safety Order SO-BP 2021 01 & 02 Compliance Upgrades project (price to provide all work per Specifications, Drawings, and other bid document)	
8.	Supply, install, and commission the West End Arena - TSBC Safety Order SO-BP 2021 01 & 02 Compliance Upgrades project (price to provide all work per Specifications, Drawings, and other bid document)	
	Subtotal:	
	GST:	
	Total (including GST):	

2.0 ADDITIONAL GOODS OR SERVICES

Table 2 – Additional Services

Item	Project Tasks	Price
1.	Supply, install, and commission of Option 1 – A PH sensor, a PH display, 24 V power, related field wiring, necessary piping, and DDC system & alarm consolidation as specified for the brine chiller cold brine loop (price to provide all work per Specifications, Drawings, and other bid document) - Britannia Ice Arena	
2.	Supply, install, and commission of Option 1 – A PH sensor, a PH display, 24 V power, related field wiring, necessary piping, and DDC system & alarm consolidation as specified for the Hockey Arena brine chiller cold brine loop (price to provide all work per Specifications, Drawings, and other bid document) - Hillcrest Ice Arena	
3.	Supply, install, and commission of Option 2 – A PH sensor, a PH display, 24 V power, related field wiring, necessary piping, and DDC system & alarm consolidation as specified for the Curling Arena brine chiller cold brine loop (price to provide all	

REQUEST FOR QUOTATIONS NO. PS20211680
CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS

	work per Specifications, Drawings, and other bid document) – Hillcrest Ice Arena	
4.	Supply, install, and commission of Option 3 – A PH sensor, a PH display, 24 V power, related field wiring, necessary piping, and DDC system & alarm consolidation as specified for the U/S heating warm brine loop (price to provide all work per Specifications, Drawings, and other bid document) – Hillcrest Ice Arena	
5.	Supply, install, and commission of Option 4 – A PH sensor, a PH display, 24 V power, related field wiring, necessary piping, and DDC system & alarm consolidation as specified for the snow melt warm glycol loop (price to provide all work per Specifications, Drawings, and other bid document) – Hillcrest Ice Arena	
6.	Supply, install, and commission of Option 1 – A PH sensor, a PH display, 24 V power, related field wiring, necessary piping, and DDC system & alarm consolidation as specified for the brine chiller cold brine loop (price to provide all work per Specifications, Drawings, and other bid document) - Kerrisdale Ice Arena	
7.	Supply, install, and commission of Option 1 – A PH sensor, a PH display, 24 V power, related field wiring, necessary piping, and DDC system & alarm consolidation as specified for the brine chiller cold brine loop (price to provide all work per Specifications, Drawings, and other bid document) – Killarney Ice Arena	
8.	Supply, install, and commission of Option 2 – A PH sensor, a PH display, 24 V power, related field wiring, necessary piping, and DDC system & alarm consolidation as specified for the U/S heating warm brine loop (price to provide all work per Specifications, Drawings, and other bid document) – Killarney Ice Arena	
9.	Supply, install, and commission of Option 3 – A PH sensor, a PH display, 24 V power, related field wiring, necessary piping, and DDC system & alarm consolidation as specified for the snow melt warm glycol loop (price to provide all work per Specifications, Drawings, and other bid document) – Killarney Ice Arena	
10.	Supply, install, and commission of Option 1 – A PH sensor, a PH display, 24 V power, related field wiring, necessary piping, and DDC system & alarm consolidation as specified for the brine chiller cold brine loop (price to provide all work per Specifications, Drawings, and other bid document) - Kitsilano Ice Arena	
11.	Supply, install, and commission of Option 1 – A PH sensor, a PH display, 24 V power, related field wiring, necessary piping,	

REQUEST FOR QUOTATIONS NO. PS20211680
CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS

	and DDC system & alarm consolidation as specified for the brine chiller cold brine loop (price to provide all work per Specifications, Drawings, and other bid document) - Sunset Ice Arena	
12.	Supply, install, and commission of Option 2 – A PH sensor, a PH display, 24 V power, related field wiring, necessary piping, and DDC system & alarm consolidation as specified for the U/S heating warm brine loop (price to provide all work per Specifications, Drawings, and other bid document) – Sunset Ice Arena	
13.	Supply, install, and commission of Option 1 – A PH sensor, a PH display, 24 V power, related field wiring, necessary piping, and DDC system & alarm consolidation as specified for the brine chiller cold brine loop (price to provide all work per Specifications, Drawings, and other bid document) - Trout Lake Ice Arena	
14.	Supply, install, and commission of Option 2 – A PH sensor, a PH display, 24 V power, related field wiring, necessary piping, and DDC system & alarm consolidation as specified for the U/S heating warm brine loop (price to provide all work per Specifications, Drawings, and other bid document) – Trout Lake Ice Arena	
15.	Supply, install, and commission of Option 3 – A PH sensor, a PH display, 24 V power, related field wiring, necessary piping, and DDC system & alarm consolidation as specified for the snow melt warm glycol loop (price to provide all work per Specifications, Drawings, and other bid document) – Trout Lake Ice Arena	
16.	Supply, install, and commission of Option 1 – A PH sensor, a PH display, 24 V power, related field wiring, necessary piping, and DDC system & alarm consolidation as specified for the brine chiller cold brine loop (price to provide all work per Specifications, Drawings, and other bid document) - West End Arena	
17.	Supply, install, and commission of Option 2 – A PH sensor, a PH display, 24 V power, related field wiring, necessary piping, and DDC system & alarm consolidation as specified for the U/S heating warm brine loop (price to provide all work per Specifications, Drawings, and other bid document) – West End Arena	
	Subtotal:	
	GST:	
	Total (including GST):	

REQUEST FOR QUOTATIONS NO. PS20211680
CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS

*Are there services with deviations, or alternative or additional services suggested by the vendor?
If yes, list them and their price(s), and describe them above:*

2.1 Are there services with deviations, or alternative or additional services suggested by the vendor? If yes, list them and their description in detail below, and state their price(s) in Table 1 of the foregoing Section 1.0:

a. Description of deviation of Services:

b. Description of deviation to the Form of Agreement:

3.0 TIME LIMITATIONS ON PRICING:

(Indicate any such limitations in the spaces provided or state that there are none. See Section 4.2 of the RFQ's Instructions to Vendors.)

4.0 TIME LIMITATIONS ON PRICING:

(Indicate any such limitations in the spaces provided or state that there are none. See Section 4.2 of the RFQ's Instructions to Vendors.)

5.0 TIMES AND SCHEDULING

REQUEST FOR QUOTATIONS NO. PS20211680
CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS

Schedule Milestones	Target Times	Vendor Proposed Dates
Construction to schedule the work during dry season. Arenas that do not have ice all year round (Trout Lake, Kitsilano, Kerrisdale, Killarney and West End)	April to mid-August	
Construction to schedule the work all year round (Rinks that operate all year round: Hillcrest, Sunset and Britannia)	All year round	

6.0 ENVIRONMENTAL AND SOCIAL SUSTAINABILITY

(Please indicate information concerning the environmental sustainability of the goods or services offered with regards to Healthy Ecosystems (minimizing pollution/toxicity, conserving natural resources, and regenerating ecological; local food; clean water / water consumption), Zero Waste (reducing and/or diverting), Zero Carbon (reducing/eliminating greenhouse gases), including an explanation of any on-going efforts or plans that the vendors has, or steps that it has taken in the past to improve energy efficiency and / or minimise production of "greenhouse gas" emissions.)

(Please indicate information concerning the social sustainability of the goods or services offered with regards to advancing inclusion, reconciliation, equity and diversity by increasing economic opportunities for equity seeking populations (including but not limited to non-profits/coops, women, Indigenous persons, people with disabilities, LGBTQ+), including an explanation of any on-going efforts or plans the vendor has, or steps that it has taken in the past, to contribute to City goals & strategies of advancing inclusion, reconciliation, equity and diversity and / or to your organization's efforts to promote workforce diversity for underemployed, unemployed, under-represented populations (including but not limited to women, Indigenous People, newcomers/immigrants, visible minorities, People with Disabilities, and LGBTQ+ people).)

7.0 SUPPLIER AND WORKPLACE DIVERSITY

Please note that the Supplier and Workplace Diversity questions in this Section 6.0 are optional and will not form part of the evaluation of this RFQ. Vendors' answers to the following questions are for information gathering purposes only and will be kept confidential in accordance with the Legal Terms and Conditions of this RFQ.

REQUEST FOR QUOTATIONS NO. PS20211680
CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS

In the space below, indicate the vendor's company profile with regards to social value and economic inclusion including social/environmental certifications and/or if owned/controlled by an equity-seeking demographic (including but not limited to non-profit, cooperative, Women, Indigenous Peoples, Ethno-cultural People (minorities, newcomers, immigrants), persons with disabilities or LGBTQ+ people).

Majority owned/controlled/ by:

- ☐ Women
- ☐ Indigenous Peoples
- ☐ Non-Profit/Charity (Social Enterprise)
- ☐ Coop
- ☐ Community Contribution Corporation (3C/CCC)
- ☐ Ethno-cultural Persons
- ☐ People with Disabilities
- ☐ LGBTQ+
- ☐ Other: please indicate

Social / Environmental Certifications

- ☐ BCorp
- ☐ BuySocial
- ☐ Supplier Diversity Certification
- ☐ Fairtrade
- ☐ Green Business Certification (ie. LEED, ClimateSmart)
- ☐ Other: please indicate

As best known, in the space below, indicate the vendor's company profile with regards to economic inclusion supporting employment equity, diversity, inclusion and reconciliation by an equity-seeking demographic (including but not limited to non-profit, cooperative, Women, Indigenous Peoples, Ethno-cultural People (minorities, newcomers, immigrants), persons with disabilities or LGBTQ+ people). *Confidential & for information only*

Workforce Diversity:

- % Women
- % Indigenous Peoples
- % Ethno-cultural People
- % People with Disabilities
- % LGBTQ+
- % Other: please indicate

8.0 TERMS OF PAYMENT

(Provide the information requested by Section 8.0 of the RFQ's Instructions to Vendors.)

9.0 CONFLICTS/COLLUSION/LOBBYING

REQUEST FOR QUOTATIONS NO. PS20211680
CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS

(Provide the information requested by Section 13.0 of the RFQ's Instructions to Vendors.)

10.0 KEY PERSONNEL AND REPRESENTATION

(Vendor should identify key personnel to provide contact and services as indicated in Appendix 1, Section 2.2.)

11.0 RELEVANT PROJECTS

11.1 The Quotation shall describe the recent and relevant experiences of the Vendor in projects of similar scope and magnitude. Each project example should demonstrate the Vendor's experience in providing services relating to Safety Order Compliance Upgrades to Ammonia Ice Rink Plants in the areas outlined in the scope of Work. *(Detail shall include: Client Name, Description of Work, Value, Date, etc.)*

- a.

- b.

- c.

12.0 WARRANTY

(Vendors should describe their warranty and manufacturer warranty in detail including but not limited to, warranty coverage, warranty term, extended warranty options, replacement,

REQUEST FOR QUOTATIONS NO. PS20211680
CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS

dispute resolution policy and procedures and anything related to warranty, as defined by Section 10.0 of the RFQ's Instructions to Vendors.)

13.0 OTHER INFORMATION

(Please set forth in this Section 12.0 all other details requested or required by the RFQ, or which the vendor wishes to include as part of its offer. Among other things, note here any proposed deviations from Appendix 3. Add additional pages as necessary.)

14.0 TERMS AND CONDITIONS

The vendor should print, sign and scan this form for submission to the city via email in accordance with the instructions for submission provided above. By signing this form, the vendor acknowledges that: (a) it has read, understands and agrees to the terms and conditions set out in the RFQ's Instructions to Vendors (except as noted above); (b) it has read and understands the information in Appendix 1 and Appendix 3 of the RFQ; (c) it has noted herein any deviations from the requirements of Appendix 1 of the RFQ; and (d) it has completed, executed and attached hereto the forms set out in Appendix 2 and Appendix 5 of the RFQ, as well as having attached a letter from WorkSafeBC confirming the vendor's current registration].

Moreover, by signing this form, the vendor also acknowledges and agrees that it has determined that the terms and conditions stated in Appendix 3 would be acceptable to it, or it has noted required deviations above.

Company Name: _____

Signature of Authorized Signing
Officer: _____

Date: _____

Name of Authorized Signing Officer: _____

Title of Authorized Signing Officer: _____

Mailing Address: _____

Cheque Payable/Remit to Address: _____

REQUEST FOR QUOTATIONS NO. PS20211680
CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS

Telephone No.:

Fax No.:

Key Contact Person:

E-mail:

GST Registration No.:

Date and Jurisdiction of Incorporation:

City of Vancouver Business License No. (or, if available,
Metro West Inter-Municipal Business License No.):

WorkSafeBC Registration No.:

APPENDIX 1 – SPECIFICATIONS

Construction Services relating to the construction works referenced to address the two new safety orders regarding ammonia in refrigeration plants:

- Safety Order SO-BP-2021-01: Secondary Coolant
- Safety Order SO=BP-2021-02: Emergency Discharge Line

1) Specifications

- a) Specifications Rev 5 A - Britannia, Kerrisdale, Kitsilano, & Sunset Arena TSBC SO compliance Upgrade
- b) Specifications - Addendum #1 A - Killarney Arena TSBC Safety Order SO-BP 2021 01 & 02 Compliance Upgrade
- c) Specifications - Addendum #2 - Killarney Arena TSBC Safety Order SO-BP 2021 01 & 02 Compliance Upgrade
- d) Specifications Rev 4 A - Hillcrest TSBC SO Compliance Upgrade
- e) Specification Rev 4 A - Trout Lake TSBC SO Compliance Upgrade
- f) Specifications Rev4 A - West End TSBC SO Compliance Upgrade

Please visit FTP site as per instructions indicated on Section 1.3 to download documents.

APPENDIX 2

DRAWINGS

1.0 Drawings

- (a) 2695 Britannia R1 Rev2 - 24X36 IFT Stamped
- (b) 2695 Hillcrest R1 Rev 3 - 30x42 Stamped
- (c) 2695 Kerrisdale R1 Rev3 - 24x36 IFT Stamped
- (d) 2695 Killarney R1 Revision 3 - 42 x 30
- (e) 2695 Kitsilano R1 Rev3 - 24x36 IFT Stamped
- (f) 2695 Sunset R1 Rev2 - 24x36 IFT Stamped
- (g) 2695 Trout Lake R1 Rev3 - 42X30 Stamped
- (h) 2695 West End R1 Rev3 - 42X30 Stamped

Please visit FTP site as per instructions indicated on Section 1.3 to download documents.

REQUEST FOR QUOTATIONS NO. PS20211680
CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS

APPENDIX 3
DECLARATION OF SUPPLIER CODE OF CONDUCT COMPLIANCE

<p>Purpose: All proposed suppliers are to complete and submit this form to certify compliance with the supplier performance standards set out in the Supplier Code of Conduct.</p>
--

The City of Vancouver expects each supplier of goods and services to the City to comply with the supplier performance standards set out in the City's Supplier Code of Conduct (SCC) <<https://policy.vancouver.ca/AF01401P1.pdf>>. The SCC defines minimum labour and environmental standards for City suppliers and their subcontractors.

Suppliers are expected to comply with the aforementioned standards upon submitting a tender, proposal, application, expression of interest or quotation to the City, or have a plan in place to comply within a specific period of time. The City reserves the right to determine an appropriate timeframe in which suppliers must come into compliance with these standards. To give effect to these requirements, an authorised signatory of each proposed vendor must complete the following declaration and include this declaration with its submission:

As an authorised signatory of _____ (vendor name), I declare that I have reviewed the SCC and to the best of my knowledge, _____ (vendor name) and its proposed subcontractors have not been and are not currently in violation of the SCC or convicted of an offence under national and other applicable laws referred to in the SCC, other than as noted in the table below (include all violations/convictions that have occurred in the past three years as well as plans for corrective action).

Section of SCC / title of law	Date of violation / conviction	Description of violation / conviction	Regulatory / adjudication body and document file number	Corrective action plan

I understand that a false declaration and/or lack of a corrective action plan may result in no further consideration being given to the submission of _____ (vendor name).

Signature: _____

Name and Title: _____

APPENDIX 4
INSURANCE FORMS

See attached.



**CERTIFICATE OF EXISTING INSURANCE
TO BE COMPLETED AND APPENDED TO THE PROPOSAL -
PS20211680**

Section 2 through 8 – to be completed and executed by the Insurer or its Authorized Representative

1. **THIS CERTIFICATE IS ISSUED TO:** City of Vancouver, 453 W 12th Avenue, Vancouver, BC, V5Y 1V4
and certifies that the insurance policy (policies) as listed herein has/have been issued to the Named Insured and is/are in full force and effect.
2. **NAMED INSURED** *(must be the same name as the proponent/bidder and is either an individual or a legally incorporated company)*

BUSINESS TRADE NAME or DOING BUSINESS AS

BUSINESS ADDRESS

DESCRIPTION OF OPERATION

3. PROPERTY INSURANCE (All Risks Coverage including Earthquake and Flood)

INSURER _____	Insured Values (Replacement Cost) -
TYPE OF COVERAGE _____	Building and Tenants' Improvements \$ _____
POLICY NUMBER _____	Contents and Equipment \$ _____
POLICY PERIOD From _____ to _____	Deductible Per Loss \$ _____

4. COMMERCIAL GENERAL LIABILITY INSURANCE (Occurrence Form)

Including the following extensions:	INSURER _____
✓ Personal Injury	POLICY NUMBER _____
✓ Property Damage including Loss of Use	POLICY PERIOD From _____ to _____
✓ Products and Completed Operations	Limits of Liability (Bodily Injury and Property Damage Inclusive) -
✓ Cross Liability or Severability of Interest	Per Occurrence \$ _____
✓ Employees as Additional Insureds	Aggregate \$ _____
✓ Blanket Contractual Liability	All Risk Tenants' Legal Liability \$ _____
✓ Non-Owned Auto Liability	Deductible Per Occurrence \$ _____

5. AUTOMOBILE LIABILITY INSURANCE for operation of owned and/or leased vehicles

INSURER _____	Limits of Liability -
POLICY NUMBER _____	Combined Single Limit \$ _____
POLICY PERIOD From _____ to _____	<i>If vehicles are insured by ICBC, complete and provide Form APV-47.</i>

6. ☐ UMBRELLA OR ☐ EXCESS LIABILITY INSURANCE **Limits of Liability (Bodily Injury and Property Damage Inclusive) -**

INSURER _____	Per Occurrence \$ _____
POLICY NUMBER _____	Aggregate \$ _____
POLICY PERIOD From _____ to _____	Self-Insured Retention \$ _____

7. PROFESSIONAL LIABILITY INSURANCE

INSURER _____	Limits of Liability
POLICY NUMBER _____	Per Occurrence/Claim \$ _____
POLICY PERIOD From _____ to _____	Aggregate \$ _____
	Deductible Per Occurrence/Claim \$ _____

If the policy is in a "CLAIMS MADE" form, please specify the applicable Retroactive Date: _____

8. OTHER INSURANCE

TYPE OF INSURANCE _____	Limits of Liability
INSURER _____	Per Occurrence \$ _____
POLICY NUMBER _____	Aggregate \$ _____
POLICY PERIOD From _____ to _____	Deductible Per Loss \$ _____
TYPE OF INSURANCE _____	Limits of Liability
INSURER _____	Per Occurrence \$ _____
POLICY NUMBER _____	Aggregate \$ _____
POLICY PERIOD From _____ to _____	Deductible Per Loss \$ _____

SIGNED BY THE INSURER OR ITS AUTHORIZED REPRESENTATIVE

Dated _____

PRINT NAME OF INSURER OR ITS AUTHORIZED REPRESENTATIVE, ADDRESS AND PHONE NUMBER

APPENDIX 5 – VENDOR’S EXPERIENCE WITH RELATED WORK

Vendor should confirm that they and their proposed subcontractors have the required experience to perform the Work. Each vendor should submit information concerning a minimum of three completed projects (similar in scope and size to the Work), for each of itself and its proposed subcontractors, including the following information:

Reference #1

Description of Project:

Location of Project:

Contract Value:

\$ (Cdn.
Dollars)

**Start and Completion
Dates:**

Completed on Schedule? Yes No (Circle Correct Response)

Name of Contract City:

**Name of Project
Reference:**

Current Telephone Number and E-mail of Project Reference:

Names of Key Personnel and Subcontractors:

REQUEST FOR QUOTATIONS NO. PS20211680
CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS

Reference #2

Description of Project:

Location of Project:

Contract Value:

**\$
Dollars)**

(Cdn.

**Start and Completion
Dates:**

Completed on Schedule? Yes No (Circle Correct Response)

Name of Contract City:

**Name of Project
Reference:**

Current Telephone Number and E-mail of Project Reference:

Names of Key Personnel and Subcontractors:

REQUEST FOR QUOTATIONS NO. PS20211680
CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS

Reference #3

Description of Project:

Location of Project:

Contract Value:

**\$
Dollars)**

(Cdn.

**Start and Completion
Dates:**

Completed on Schedule? Yes No (Circle Correct Response)

Name of Contract City:

**Name of Project
Reference:**

Current Telephone Number and E-mail of Project Reference:

Names of Key Personnel and Subcontractors:

REQUEST FOR QUOTATIONS NO. PS20211680
CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS

APPENDIX 6 – SUBCONTRACTORS

The Vendor intends to use the following sub-consultants / subcontractors for the portions of the work identified below. (All sub-consultants or subcontractors who are proposed to perform any portion of the work should be listed.)

Subcontractor	Address	Type of Work

APPENDIX 7 – OWNERS LIST OF KNOWN WORKPLACE HAZARDS

See attached.

Owners List of Known Workplace Hazards

CONTRACT TITLE: CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO AMMONIA ICE RINK PLANTS

PROJECT MANAGER (CITY EMPLOYEE): EAMON MCGINLEY/NOEL CARINO

CONTRACT NAME & #: PS202116880

Purpose

This document shall be completed by the project manager, who shall list all the known worksite hazards and all the existing work process hazards that will be associated with the upcoming contract. The completed document shall then be provided to all potential contractors, as part of the tender package, so the project can be bid appropriately based on the known worksite hazards.

Definitions

Project Manager - the City employee designated to be the liaison with the contractor for the purpose of managing, overseeing, coordinating or in any other way administering the contract.

Instructions for Completion

The document must be completed in full. Choices for each entry are:

Y - Yes - the known worksite hazard or existing work process hazard does exist

N - No - the known worksite hazard or existing work process hazard does not exist*

NA - Not Applicable - worksite hazard or existing work process is not applicable for this contract type

TBD - a third party (environmental consultant) will address the issue (primarily for a hazardous materials assessment)

*based on reasonable estimation from all input by persons with expertise or relevant knowledge and understanding

Information from Hazardous Materials Assessments Provided by a Third Party

A hazardous materials assessment may be completed prior to the Project Manager completing the Owners List of Known Workplace Hazards. Any such assessment should be referenced by the Project Manager in this document and provided with the tender package. Hazardous materials may include asbestos, lead, crystalline silica, ammonia, PCB's, CFC's, moulds, mercury, ozone depleting substances (ODS), radioactive substances.

Assistance in Completing this Document

If you have questions while completing this document, or are unsure if the listed hazards apply, please seek assistance from Health and Safety (604.871.6078 or healthandsafety@vancouver.ca).

HAZARD OR ISSUE	Project Manager
1. ASBESTOS-CONTAINING MATERIALS - disturbance or penetrations of flooring, walls, ceiling tiles, pipe lagging, ac pipe, transite siding, particularly in older facilities; e.g., furniture/fixture installation, carpeting/flooring services, and boiler repair/tune-up services.	Yes (Y) No (N) Not Applicable (NA) To Be Determined (TBD)
a) Asbestos containing materials (ACM) will be encountered	N/A
b) A hazardous materials assessment for asbestos is provided in the tender package	N/A
c) A hazardous materials assessment for asbestos is the responsibility of the contractor	N/A

2. LEAD-CONTAINING MATERIALS - disturbance of lead-based paint, particularly in older facilities. Also present in certain electrical circuitry and metal alloys; .e.g., overhead bridge crane maintenance/repair, high-voltage cable splicing services, boiler repair/tune-up services, fixture installation services, and chiller maintenance/repair services.	Yes (Y) No (N) Not Applicable (NA) To Be Determined (TBD)
a) Inorganic lead-containing materials may be encountered	N/A
b) A hazardous materials assessment for lead is provided in the tender package	N/A
c) A hazardous materials assessment for lead is the responsibility of the contractor	N/A

3. OTHER HAZARDOUS MATERIALS - may include ammonia, PCBs, CFCs, moulds, mercury, ozone depleting substances (ODS), radioactive substances, sewage, unknown contaminated materials, other: (list other here)_____	Yes (Y) No (N) Not Applicable (NA) To Be Determined (TBD)
a) A hazardous materials assessment for ammonia is provided in the tender package	Y
b) A hazardous materials assessment for (list the specific hazardous material) will be provided in the tender package	N
c) A hazardous materials assessment for (list the specific hazardous materials) will be the contractors responsibility	Y

4. CONFINED SPACES - working in vaults, chambers, pits, tanks, etc.; e.g., construction, inspection and testing services, water/fuel storage tank clean-out services, and utility corrosion inspection services.	Yes (Y) No (N) or Not Applicable (NA)
a) A hazard assessment (for entry and inspection only) from the City of Vancouver is provided in the tender package	N
b) The City of Vancouver shall provide procedures to isolate adjacent piping, or to lock out equipment (complicated systems only)	Y
c) The contractor shall be responsible for isolation and lockout procedures in the confined space	Y

5. LOCK OUT - industrial equipment maintenance, power machinery repair services, pump maintenance/repair services, mechanical refrigeration systems, elevator repair, overhead bridge crane maintenance/repair services, cathodic protection services, hydraulic test systems repair/service, and air compressor rebuilding services.	Yes (Y) No (N) or Not Applicable (NA)
a) Lockout will be required to isolate or prevent the unexpected release of energy (electrical, mechanical, hydraulic, chemical, thermal, kinetic, gravitational, pneumatic)	Y
b) Work will be performed on or near energized equipment, lines, or circuits	Y

If yes to a) or b) describe:

Lockout equipment and system valves to access system for scope of work

6. FALL PROTECTION - tree pruning, window and ledge cleaning, window replacement, overhead bridge crane maintenance/repair services, roll-up door replacement, tent installation, awning/canopy installation, overhead air exchange installation, construction inspection and testing services.	Yes (Y) No (N) or Not Applicable (NA)
a) Workers will be exposed to a potential fall in excess of 3 m (10 feet), or to a fall of less than 3 m which would likely result in a serious injury (ex. impalement on rebar)	Y
b) Scaffolding or ladders will be required to be secured to a building or structure	Y

7. OVERHEAD AND UNDERGROUND UTILITIES - tree pruning services, tree removal, utility relocation or replacement, underground utility identification (digging with powered equipment), concrete sawing services, pole painting	Yes (Y) No (N) or Not Applicable (NA)
a) There will be electrical hazards associated with overhead power lines such as limits of approach and contact	N/A
b) Necessary assurances (in writing) have (or will be) obtained by the City, through the utility company, for any work where minimum limits of approach cannot be maintained (provide documentation and review at pre job meeting with the successful contractor candidate)	N/A
c) Necessary assurances must be obtained (in writing) by the successful contractor, through the utility company, for any work where minimum limits of approach will not be able to be maintained	N/A
d) Underground or hidden utilities are located on the job site. Any excavation or drilling work in proximity to an underground utility service must be undertaken in conformity with the requirements of the owner of that utility service	N/A

If yes to c), and the specific physical locations where minimum limits of approach will not be able to be maintained are known, how will this information be provided to the contractor?

8. CONSTRUCTION, EXCAVATION, SHORING AND DEMOLITION	Yes (Y) No (N) or Not Applicable (NA)
a) As Prime Contractor, the City of Vancouver project manager will submit the Notice of Project	N/A
b) Workers will be required to enter an excavation over 1.2m (4 ft) in depth	N/A


9. CHEMICALS, SOLVENTS, FUMES, VAPORS, AND/OR DUSTS (existing work processes or known worksite hazard only) - ice rinks, swimming pools, cleaning solvents, adhesives, paints, coatings, binders; e.g., storage tank clean-out services, countertop installation (epoxies), and flooring	Yes (Y) No (N) or Not Applicable (NA)
a) The worksite has chemicals solvents, fumes, vapors or dusts that may affect the contractor	Y
b) Material Safety Data Sheets for chemicals currently in use at the worksite will be available, on request, to the contractor	Y

If yes to a), list the work processes and/or chemicals in use:

Work in close proximity or directly with Ammonia within the Vestibule & Refrigeration Plant

10. NOISE - (existing work processes only)	Yes (Y) No (N) or Not Applicable (NA)
a) Employees will be exposed to noise levels above 85dba (Refrigeration Plant Operation)	Y

OTHER HAZARDS (NOT IDENTIFIED ABOVE)
a) Mobile Vehicle - Zamboni
b) Working around public / Staff
c)

KNOWN WORKPLACE HAZARDS LIST COMPLETED BY	
Project Manager Name (print): Eamon McGinley/Noel Carino	
Project Manager Signature: 	Date: 11 Jan 2022
Title: Mechanical Superintendent, Recreation Facilities Operations	Phone: 604.861.0786 / 604.861.4237

APPENDIX 8 – SAMPLE FORM OF AGREEMENT

See attached.



**CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS**

SAMPLE CONSTRUCTION AGREEMENT

Between

[CONTRACTOR NAME]

and

CITY OF VANCOUVER AS REPRESENTED BY ITS VANCOUVER BOARD OF PARKS AND RECREATION

[DATE]

TABLE OF CONTENTS

	Page
ARTICLE A-1 THE WORK.....	Error! Bookmark not defined.
ARTICLE A-2 AGREEMENTS AND AMENDMENTS.....	Error! Bookmark not defined.
ARTICLE A-3 CONTRACT DOCUMENTS.....	Error! Bookmark not defined.
ARTICLE A-4 CONTRACT PRICE	Error! Bookmark not defined.
ARTICLE A-5 PAYMENT	Error! Bookmark not defined.
ARTICLE A-6 RECEIPT OF AND ADDRESSES FOR NOTICES	Error! Bookmark not defined.
ARTICLE A-7 LAW OF CONTRACT	Error! Bookmark not defined.
ARTICLE A-8 SUCCESSORS AND ASSIGNS.....	Error! Bookmark not defined.
ARTICLE A-9 TIME OF THE ESSENCE	Error! Bookmark not defined.
SCHEDULE 1 SUPPLEMENTARY GENERAL CONDITIONS	Error! Bookmark not defined.
SCHEDULE 2 LIST OF SPECIFICATIONS AND DRAWINGS.....	Error! Bookmark not defined.
SCHEDULE 3 SCHEDULE OF PRICES	Error! Bookmark not defined.
SCHEDULE 4 SUBCONTRACTORS AND SUPPLIERS	Error! Bookmark not defined.
SCHEDULE 5 PROJECT SCHEDULE	Error! Bookmark not defined.
SCHEDULE 6 PERFORMANCE AND LABOUR AND MATERIAL PAYMENT BOND	Error! Bookmark not defined.
SCHEDULE 7 INSURANCE CERTIFICATE	Error! Bookmark not defined.
SCHEDULE 8 CITY PRE-CONTRACT HAZARD ASSESSMENT FORM.....	Error! Bookmark not defined.
SCHEDULE 9 CONTRACTOR PRE-CONTRACT HAZARD ASSESSMENT FORM	Error! Bookmark not defined.
SCHEDULE 10 FORCE ACCOUNT LABOUR AND CONSTRUCTION EQUIPMENT RATES	Error! Bookmark not defined.

CONSTRUCTION AGREEMENT

THIS CONSTRUCTION AGREEMENT (the “Agreement”) dated for reference **[insert date]** is entered into
BETWEEN:

CITY OF VANCOUVER [AS REPRESENTED BY ITS VANCOUVER BOARD OF PARKS AND RECREATION]

453 West 12th Avenue

Vancouver, British Columbia V5Y 1V4

[change to 2099 Beach Avenue, Vancouver BC, V6G 1Z4 if applicable]

(the “City”)

OF THE FIRST PART

AND:

[INSERT NAME OF CONTRACTOR]

[insert address]

(the “Contractor”)

OF THE SECOND PART

BACKGROUND

- A. **CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO AMMONIA ICE RINK PLANTS**, and two-year warranty for the project as per the specifications. All installations shall comply with codes, standards, and regulations listed in the RFQ.

THE CITY AND THE CONTRACTOR NOW AGREE AS FOLLOWS:

ARTICLE A-1 THE WORK

The Contractor shall:

- 1.1 perform the Work required by the Contract Documents for TSBC 2021 Safety Order compliance upgrades to ammonia ice rink plants in Vancouver, British Columbia (which is the Place of the Work), in respect of which Work **[insert name of Consultant]** is acting as, and is, the Consultant;
- 1.2 do and fulfill everything indicated by the Contract Documents; and
- 1.3 commence the Work by the **[day]** day of **[month]**, **[year]** and, subject to adjustment to the Contract Time as provided for in the Contract Documents, attain Substantial Completion of the Project, as certified by the Consultant, by the **[day]** day of **[month]**, **[year]**, in accordance with the Project Schedule, included as a schedule to this Agreement.

ARTICLE A-2 AGREEMENTS AND AMENDMENTS

- 2.1 The Contract supersedes all prior negotiations, representations, or agreements, either written or oral, relating in any manner to the Work, including any tender documents that are not expressly listed in Article A-3 of this Agreement.
- 2.2 The Contract may be amended only as provided in the Contract Documents.

ARTICLE A-3 CONTRACT DOCUMENTS

- 3.1 The following are the Contract Documents referred to in Article A-1 of this Agreement, whether or not attached to this Agreement:
- (a) this Agreement;
 - (b) the “Definitions” and “General Conditions of Stipulated Price Contract” contained within standard construction document CCDC 2 - Stipulated Price Contract, 2008 edition, not attached but incorporated by reference;
 - (c) the following schedules to this Agreement:
 - (i) Schedule 1 - Supplementary General Conditions (the “Supplementary General Conditions”)
 - (ii) Schedule 2 - List of Specifications and Drawings (the listed Specifications and Drawings are incorporated by reference);
 - (iii) Schedule 3 - Schedule of Prices (the “Schedule of Prices”);
 - (iv) Schedule 4 - Subcontractors and Suppliers;
 - (v) Schedule 5 - Project Schedule (the “Project Schedule”);
 - (vi) Schedule 6 - Performance and Labour and Material Payments Bonds;
Deliberately Omitted
 - (vii) Schedule 7 - Insurance Certificate;
 - (viii) Schedule 8 - City Pre-Contract Hazard Assessment Form
 - (ix) Schedule 9 - Contractor Pre-Contract Hazard Assessment Form
 - (x) Schedule 10 - Force Account Labour and Construction Equipment Rates (the “Schedule of Force Account Labour and Construction Equipment Rates”);
 - (d) the document submitted by the Contractor, dated [insert], titled [insert] (incorporated by reference) (the “Contractor Document”);
 - (e) the traffic management plan provided by the Contractor to the City (incorporated by reference);
 - (f) the Place of the Work-specific safety and health plan provided by the Contractor to the City (incorporated by reference)
 - (g) insert any other relevant documents to be incorporated by reference.

- 3.2 Capitalized terms used in the Contract Documents will have the meanings ascribed to such terms in the Contract Documents.

ARTICLE A-4 CONTRACT PRICE

- 4.1 The Contract Price to do, perform and supply all the Work in accordance with, and perform all the obligations specified by, the Contract Documents is [insert price without GST], plus GST of [insert amount], for a total Contract Price of [insert total amount, including GST].
- 4.2 The Contract Price is inclusive of GST, PST and all other taxes, and all duties assessments, charges and fees, permit and inspection costs, and WorkSafeBC assessments relating to the Work. For the avoidance of doubt, the Contract Price includes, without limitation, all PST on materials, other Products and Construction Equipment.
- 4.3 The PST, GST and other taxes, duties, assessments, charges and fees included in the Contract Price will be remitted by the Contractor to the applicable authorities as and when the City pays the Contract Price to the Contractor or as earlier required by applicable law.
- 4.4 All amounts are in Canadian dollars.
- 4.5 The Contract Price shall be subject to adjustments as provided for in the Contract Documents.
- 4.6 For purposes of the Contract Documents, “GST” means the tax payable and imposed pursuant to Part IX of the *Excise Tax Act* (Canada), as amended or replaced from time to time, and “PST” means the provincial sales tax payable and imposed pursuant to the *Provincial Sales Tax Act* (British Columbia), as amended or replaced from time to time.

ARTICLE A-5 PAYMENT

- 5.1 Subject to the terms and conditions of the Contract Documents, the City will pay the Contract Price to the Contractor in consideration of the performance of the Work.
- 5.2 The payment for any Work under this Contract made to the Contractor by the City will not be construed as an acceptance of any Work being in accordance with the Contract Documents.
- 5.3 Should either party fail to make payments as they become due under the terms of the Contract Documents, interest at the Bank Rate plus two percent (2%) per annum on such unpaid amounts will also become due and payable until payment. Such interest will be compounded on a monthly basis. The “Bank Rate” for these purposes is the rate established by the Bank of Canada from time to time as the minimum rate at which the Bank of Canada makes short term advances to Canadian chartered banks.

ARTICLE A-6 RECEIPT OF AND ADDRESSES FOR NOTICES

- 6.1 Except as otherwise expressly provided in the Contract Documents, communications between the parties hereto or between them and the Consultant will be in writing and may be delivered by hand or sent by electronic transmission or by courier or registered mail:
- (i) to the City at:

City of Vancouver as represented by its Vancouver Board of Parks and Recreation
453 West 12th Avenue
Vancouver, British Columbia V5Y 1V4

Attention: [insert name]
[insert title]

Fax No.: [insert]
Email: [insert];

- (ii) to the Contractor at:
[insert name and address]; or
- (iii) to the Consultant at:
[insert name and address]

or to such other person or address of which one party may advise the other[s] in writing from time to time or at any time, and each such communication will be deemed to be received by the recipient:

- (A) on the date of delivery, if delivered by hand: to the individual, if the recipient is an individual; to a partner, if the recipient is a partnership; or to an officer of the corporation, if the recipient is a corporation; or
- (B) on the day following transmission, if sent by electronic transmission and confirmed by documentation of successful transmission or receipt of an email reply effectively acknowledging delivery; or
- (C) one Working Day after the date of confirmed delivery, if sent by courier or registered mail.

ARTICLE A-7 LAW OF CONTRACT

The laws of British Columbia will apply to and govern the Contract Documents and the courts of British Columbia will have jurisdiction over all disputes not resolved by mediation or arbitration.

ARTICLE A-8 SUCCESSORS AND ASSIGNS

The Contract shall enure to the benefit of and be binding upon the City and Contractor and their respective successors and permitted assigns.

ARTICLE A-9 TIME OF THE ESSENCE

All time limits stated in this Contract are of the essence of the Contract.

IN WITNESS WHEREOF the parties hereto have executed this Agreement on the date first herein above written.

CITY OF VANCOUVER AS REPRESENTED BY ITS VANCOUVER BOARD OF PARKS AND RECREATION
by its authorized signatories:

Signature: _____

Name: _____

Title: _____

Signature: _____

Name: _____

Title: _____

[INSERT NAME OF CONTRACTOR]
by its authorized signatories:

Signature: _____

Name: _____

Title: _____

Signature: _____

Name: _____

Title: _____

Proof of authority in the form of a certified copy of a resolution naming the person or persons in question as authorized to sign the Agreement for and on behalf of the corporation or partnership, who are parties to this Agreement, shall be attached.

**SCHEDULE 1
SUPPLEMENTARY GENERAL CONDITIONS**

(SUPPLEMENTARY GENERAL CONDITIONS ARE MODIFICATIONS TO CCDC 2 -2008)

INTRODUCTION

- 1.1.1 These Supplementary General Conditions amend the “Definitions” and the “General Conditions of the Stipulated Price Contract” contained within standard construction document CCDC 2 - Stipulated Price Contract, 2008 edition (“**CCDC 2**”), available for download at <http://www.ccdc.org/downloads/index.html>. Any reference in the Contract Documents to “General Conditions” or “GC” means the General Conditions contained in CCDC 2 as amended by these Supplementary General Conditions. Whenever there is a conflict between these Supplementary General Conditions and the other Contract Documents or wherever the Contract Documents are silent and these Supplementary General Conditions speak to a particular issue or matter, the provisions of these Supplementary General Conditions shall take precedence.
- 1.1.2 Unless the context dictates otherwise and to the extent not otherwise defined in the Contract Documents, capitalized terms used in these Supplementary General Conditions have the meanings given thereto in CCDC 2.
- 1.1.3 To the extent that the *Lien Act* (as defined below) expressly forbids parties from contracting out of all or some of the provisions of the *Lien Act* then, to the extent that those provisions of the *Lien Act* apply, such provisions of the *Lien Act* shall take precedence over any provision of the Contract Documents that is determined to contradict or contravene such provisions of the *Lien Act*, but only to the extent of such contradiction or contravention.

AMENDMENTS TO THE DEFINITIONS

The following amendments are made to the “Definitions” in CCDC 2:

Add the following at the end of paragraph 5 (the definition of “**Contract**”):

The Contract supersedes all prior negotiations, representations or agreements, either written or oral, except to the extent included in the Contract Documents or expressly incorporated by reference into the Contract by an actual reference to the same in Article A-3 of the Agreement - **CONTRACT DOCUMENTS**.

Delete paragraph 6 and replace with the following:

6. Contract Documents

The Contract Documents consist of those documents listed in Article A-3 of the Agreement - **CONTRACT DOCUMENTS**, those documents expressly incorporated by reference into the Contract by an actual reference to the same in Article A-3 of the Agreement - **CONTRACT DOCUMENTS**, and amendments agreed upon in writing between the parties together with all other documents, schedules and additions mutually agreed to or settled by the parties from time to time in respect of the Contract.

Delete the definition of Owner at paragraph 12 and replace with the following:

“**Owner**” or “**City**”

**CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 1**

“Owner” and “City” each mean the entity identified as the “City” in the Agreement (represented as stated therein or otherwise) or the City’s authorized agent or representative, as designated to the Contractor in writing. However, “Owner” and “City” each expressly do not include the Consultant and expressly do not include the City of Vancouver acting in its capacity as a municipal regulatory authority.

Delete the definition of Substantial Performance of the Work at paragraph 20 and replace with the following:

20. Substantial Performance of the Work

Substantial Performance of the Work shall have the same meaning as “substantial performance” of the Agreement, as determined under Section 1(2) of the *Lien Act*.

Delete the definition of Work at paragraph 25 and replace it with the following:

25. Work

Work means the total construction and related services required by the Contract Documents or properly inferable therefrom.

Add the following definitions:

27. Applicable Laws

Applicable Laws means all applicable federal, provincial and municipal laws, bylaws, codes, rules, regulations, policies and requirements applicable to the Work and the Project.

28. Certificate of Completion

Certificate of Completion means the certificate under section 7 of the *Lien Act* stating that work under a contract or subcontract has been completed and includes an order made under section 7(5) of the *Lien Act*.

29. Cost Plus Work

Cost Plus Work means Work that is described or designated as cost-plus work in the Contract Documents.

30. Environmental Law

Environmental Law means any applicable law relating to the protection of the environment or occupational health and safety including those pertaining to (a) reporting, licensing, permitting, investigating, remediating and cleaning up in connection with any presence or release, or the threat of the same, of Hazardous Substances, and (b) the generation, manufacture, processing, distribution, use, re-use, treatment, storage, disposal, transport, labelling, handling and the like of Hazardous Substances.

31. Final Certificate for Payment

Final Certificate for Payment means the certificate issued on Total Performance of the Work.

32. Hazardous Substance

Hazardous Substance means any contaminant, waste, hazardous substance, hazardous waste, or dangerous goods in such quantities and concentrations as contravene applicable limitations

under Environmental Law and that may impair the environment, injure or damage property or plant or animal life or harm or impair the health of any individual.

33. Holdback

Holdback means a holdback required by the *Lien Act*.

34. Lien or Liens

Lien or Liens means a lien under the *Lien Act*.

35. Lien Act

Lien Act means the *Builders Lien Act* (British Columbia) and any additional successor or replacement legislation which may be passed that is applicable to the Place of the Work.

36. Lump Sum Work

Lump Sum Work means Work that is described or designated as lump sum work in the Contract Documents or Work that is not so described or designated but is also not Unit Price Work or Cost Plus Work.

37. Site Labour Disturbance

Site Labour Disturbance means any strike, lock-out or labour disturbance, including those resulting from any jurisdictional or non-affiliation issues, involving employees, whether or not members of a trade union, of the Contractor, any Subcontractor, any Supplier, or any of their respective subcontractors of any tier, which delays or in any way adversely affects the performance and completion of Work at the Place of the Work.

38. Total Performance of the Work

Total Performance of the Work means the entire Work has been satisfactorily performed and is so certified by the Consultant.

39. Trade Union Council

Trade Union Council means a council or association of trade unions of which employees of the Contractor or a Subcontractor are members

40. Unit Price Work

Unit Price Work means Work that is described or designated as unit price work in the Contract Documents.

41. WorkSafeBC Rules

WorkSafeBC Rules means the *Workers Compensation Act* (British Columbia) and the regulations thereunder, including without limitation the *WorkSafeBC Occupational Health and Safety Regulation* (British Columbia), and all amendments made to such act and regulations and in force from time to time, and any statute or regulation that may be passed which supplements or supersedes such regulations.

ALTERATION OF GENERAL CONDITIONS AND ADDITIONAL CONDITIONS

The following amendments are made to the “General Conditions of the Stipulated Price Contract” in CCDC 2:

GC1.1 CONTRACT DOCUMENTS

GC1.1.7.1 is deleted in its entirety and replaced as follows:

- .1 The order of priority of documents, from highest to lowest, shall be:
- the Agreement between the City and the Contractor (excluding its schedules);
 - these Supplementary General Conditions;
 - the Definitions from CCDC 2;
 - the General Conditions from CCDC 2;
 - the Specifications;
 - the Drawings;
 - the other schedules to the Agreement between the City and the Contractor;
 - the other Contract Documents (except for the below document); and
 - the Contractor Document.

GC1.5 ADVERTISING

GC1.5 is added as follows:

GC1.5 ADVERTISING

- 1.5.1 The Contractor will obtain the City’s prior written approval for any public advertising, press release or other general publicity matter, in which the name, logo, official marks or trademarks of the City or any related person are mentioned or used or in which words are used from which any connection with the City may be inferred. The Contractor will not allow or permit any public ceremony in connection with the Work without the permission of the City provided in writing. The Contractor will not erect or permit the erection of any sign or advertising without the prior written approval of the City.

GC2.2 ROLE OF THE CONSULTANT

GC2.2.5 is deleted in its entirety and replaced with the following:

- 2.2.5 The Consultant will be the “payment certifier” pursuant to the *Lien Act*. Based on the Consultant’s observations and evaluation of the Contractor’s applications for payment for Work and the Consultant’s review of the status of the Work, including as against the Project Schedule, the Consultant will issue certificates of payment and will issue each Certificate of Completion and the Final Certificate for Payment.

GC2.2.19 is added as follows:

2.2.19 Notwithstanding GC2.2.13, the Contractor shall be responsible for requesting any required instructions or clarifications from the Consultant which are needed for the performance of the Work and shall request such instructions or clarifications in time to avoid any delay of the Work.

GC2.2.20 is added as follows:

2.2.20 Nothing in GC2.2 shall derogate from or affect the terms and provisions of any contractual or other legal relations between the City and the Consultant, and such contractual and other legal relations shall in all cases take precedence over GC2.2 in the event of a conflict.

GC2.3 REVIEW AND INSPECTION OF THE WORK

GC2.3.1 is amended by deleting the first sentence of the paragraph and replacing it with the following:

The City and the Consultant and their authorized representatives shall have access to the Work at all times.

GC2.3.2 is amended by deleting the first sentence of the paragraph and replacing it with the following:

If work is designated for review, tests, inspections or approvals in the Contract Documents, or by the Consultant's instructions, or by the laws or ordinances of the Place of the Work, the Contractor shall give the Consultant reasonable notification of when the work will be ready for review and inspection.

GC2.3.4 is deleted in its entirety and replaced with the following:

2.3.4 If the Contractor covers, or permits to be covered, work that has been designated for review, tests, inspections or approvals before such review, tests, inspections or approvals are made, given or completed, the Contractor shall, if so directed, uncover such work, have the reviews, tests, inspections or approvals satisfactorily completed, and make good covering work at the Contractor's expense.

GC2.3.8 is added as follows:

2.3.8 The Consultant may:

- .1 review and monitor the Contractor's performance of any aspects of the Work for conformance with the requirements of the Contract, including review and monitor the following:
 - (a) the Contractor's submittals; and
 - (b) any and all construction activities; and
- .2 perform or arrange for the performance of any tests, checks, and inspections of the Work as the City may reasonably request whether or not specifically required by the Contract Documents.

Should the Consultant be required to make more than one review of rejected work or should the Consultant perform additional reviews due to failure of the Work to comply with the status of completion asserted by the Contractor in an application, the Contractor is required to compensate the City for such additional Consultant services including expenses incurred. Adjustment for such compensation should be made as outlined under PART 6 - CHANGES IN THE WORK.

GC2.3.9 is added as follows:

- 2.3.9 Review, monitoring and/or approval by the Consultant or City of the Contractor's performance of the Contract shall not relieve the Contractor of its sole responsibility and liability for the proper performance of the Contract strictly in accordance with its terms.

GC2.3.10 is added as follows:

- 2.3.10 Acceptance of the Work by the City does not free the Contractor from its obligation to correct deficiencies as provided in GC2.4 - DEFECTIVE WORK, which are not identified at the time of drawing up the deficiency list or are hidden deficiencies.

GC2.4 DEFECTIVE WORK

GC2.4.1 is amended by adding the following to the end of the paragraph:

In the event that work or materials are found to be condemned, then if the Contractor does not remove such condemned materials or work within the time fixed by written notice, the City may remove them and may store such materials at the expense of the Contractor. If the Contractor does not pay the expense of such removal within five (5) calendar days thereafter, the City may, upon ten (10) days written notice sell such materials with the proceeds thereof, if any, after deducting all the costs and expenses that should have been borne by the Contractor, being returned to the Contractor.

GC2.4.3 is deleted in its entirety and replaced with the following:

- 2.4.3. If in the opinion of the Consultant it is not expedient to correct defective work or work not performed as provided in the Contract Documents, the City may deduct from the amount otherwise due to the Contractor the difference in value between the work as performed and that called for by the Contract Documents or, at the option of the City, the cost or value of such work as would have been necessary to correct such non-compliance with the Contract Documents. If the City and the Contractor do not agree on the difference in value, they shall refer the matter to the Consultant for a determination.

GC3.1 CONTROL OF THE WORK

GC3.1.3 is added as follows:

- 3.1.3 The Contractor shall, and shall ensure that each Subcontractor shall, employ competent and skilled workmen and apprentices and employ proper equipment in good condition. The Contractor shall have complete control over its employees and Subcontractors and shall enforce discipline and order among its employees and assure discipline and order by its Subcontractors including, in all cases, without limiting the foregoing, compliance with and enforcement of WorkSafeBC Rules.

GC3.1.4 is added as follows:

- 3.1.4 The Contractor shall be familiar with, and its performance of this Contract shall be governed by and comply with, all Applicable Laws and applicable permits which exist at present or which may be respectively enacted or obtained after the date hereof by or from bodies or tribunals having jurisdiction or authority over the Work.

GC3.2 CONSTRUCTION BY OWNER OR OTHER CONTRACTORS

GC3.2.2 is amended by deleting the first sentence and replacing it with the following:

When separate contracts are awarded for other parts of the Project, or when work is performed by the City's own forces, the Contractor shall:

GC3.2.2.3 is deleted in its entirety.

GC3.2.2.4 is deleted in its entirety.

GC3.2.3.3 is amended by adding the following to the end of the paragraph:

Failure by the Contractor to so report shall invalidate any claims against the City by reason of the deficiencies of the other contractors' or the City's own forces' work, except those of which the Contractor was not reasonably aware.

GC3.2.7 is added as follows:

3.2.7 The Contractor acknowledges that the Place of the Work generally and portions of the Project will continue to be used by the City and others as described in the Contract Documents. The Contractor will work simultaneously and harmoniously with others using the Place of the Work and use all efforts not to interfere with or delay others.

GC3.5 CONSTRUCTION SCHEDULE

GC3.5.1.1 is deleted in its entirety and replaced with the following:

.1 if the City states in writing that the Contractor has not yet done so to the City's satisfaction, prepare and submit to the City and the Consultant a construction schedule that indicates the timing of the major activities of the Work and provides sufficient detail of the critical events and their inter-relationship to demonstrate the Work will be performed in conformity with the Contract Time, which such construction schedule will, if agreed to by the City, thereafter be deemed to supersede the schedule included in Schedule 5 of the Agreement as the "Project Schedule";

GC3.5.1.3 is amended by adding the following to the end:

... indicating the results expected from the resulting change in schedule.

GC3.5.2 is added as follows:

3.5.2 The Contractor will regularly monitor the progress of the Work and advise the City and the Consultant of any revisions to, or any slippage in, the construction schedule.

GC3.5.3 is added as follows:

3.5.3 The Contractor will submit to the Consultant and the City monthly updates and provide comments on adherence to the construction schedule and details of any remedial actions being undertaken to improve schedule slippages.

GC3.5.4 is added as follows:

3.5.4 If the construction schedule is not adhered to, the Contractor will use all reasonable means to accelerate the Work, without additional compensation, to comply with the construction schedule. For the avoidance of doubt, references in the Contract

Documents to the “construction schedule” will be deemed to be references to the “Project Schedule” unless the context requires otherwise.

GC3.6 SUPERVISION

GC3.6.3 is added as follows:

- 3.6.3 Any superintendent or foreman whose work is unsatisfactory to the Consultant, or to whom the Consultant may have any reasonable objection, shall be dismissed from the Work upon written notice of the Consultant. No superintendents or foremen will be substituted or replaced, except at the request or with the written consent of the City, or as a result of any such employee’s voluntary termination of employment or incapacity and any replacement will have comparable or superior qualifications and experience.

GC3.7 SUBCONTRACTORS AND SUPPLIERS

GC3.7.2 is deleted in its entirety and replaced as follows:

- 3.7.2 No Subcontractor or Supplier listed in Schedule 4 (if any) shall be replaced without the written consent of the City, which consent shall not be unreasonably withheld.

GC3.7.7 is added as follows:

- 3.7.7 In every subcontract the Contractor shall specify that the Consultant shall be the person responsible for payment certification under that subcontract for the purposes of the *Lien Act*. With every request to the Consultant for a determination whether a subcontract has been completed, the Contractor shall furnish a detailed description of the scope of work covered by the subcontract and a complete reconciliation of the subcontract account. In this GC3.7.7, the word “subcontract” shall have the meaning it has when used in the *Lien Act*.

GC3.8 LABOUR AND PRODUCTS

GC3.8 is deleted in its entirety and replaced with the following:

GC 3.8 LABOUR AND PRODUCTS

3.8.1 *Unions and Wages*

(a) *Open Site*

The Place of the Work and adjacent work areas associated with the Project are, or are part of, an “open site” and the Work will be performed on a “no strike/no lockout” basis. Accordingly, the Contractor and its Subcontractors, as well as the City and other contractors, may employ labourers at the Place of the Work who are members of a trade union, including a trade union affiliated with a Trade Union Council or who are members of another trade union, or who are not members of a trade union.

(b) *Labour Disruptions*

The Contractor will use its best commercial efforts to ensure that no Site Labour Disturbance shall occur and the Contractor:

- (i) will only retain Subcontractors for the Work whose employees are either:

CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 1

(1) certified in British Columbia to be represented by a trade union and subject to a collective agreement which does not expire until after the expected date of Total Performance of the Work; or

(2) not certified to be represented by a trade union; and

will require such Subcontractors to only retain subcontractors and suppliers whose employees are either certified in British Columbia to be represented by a trade union and subject to a collective agreement which does not expire until after the expected date of Total Performance of the Work or not certified to be represented by a trade union; and

(ii) represents and warrants that, with respect to any employees of the Contractor who may work at or near the Place of the Work and who are certified in British Columbia to be represented by a trade union and subject to a collective agreement, such collective agreement to which such employees are subject does not expire until after the expected date of Total Performance of the Work;

but if any Site Labour Disturbance occurs and does or may adversely impact the City, the Work or the Contract Time, the Contractor will use its best commercial efforts to ensure that the length and extent of such impact is minimized (including without limitation by cooperating with the City in any measures it may take to ameliorate such impact) and the Contractor will be liable to the City for any such impact.

(c) *Required for Union Contractors*

Without limiting the generality of Section (b) above, if the Contractor, or any Subcontractor, proposes to employ labourers at the Place of the Work who are members of a trade union, including a trade union that is affiliated with a Trade Union Council authorized to bind its member trade unions, then the Contractor must first submit to the Consultant:

(i) a waiver of all non-affiliation or reservations rights under applicable collective agreements, including renewals or replacements thereof, effective for the duration of the Contract and executed by the Trade Union Council on behalf of all trades, or executed by the particular trade unions whose members will be so employed; and

(ii) an agreement that there will be no Site Labour Disturbance at or affecting the Place of the Work and/or the progress of the Work, effective for the duration of the Contract, and executed by the Trade Union Council on behalf of all trades, or executed by the particular trade unions whose members will be so employed.

(d) *Fair Wages*

The Contractor shall pay or cause to be paid to every person employed on the Work not less than the wages or remuneration generally accepted as current at that time.

3.8.2 The Contractor shall provide and pay for labour, Products, tools, Construction Equipment, water, heat, light, power, transportation, and other facilities and services necessary for the performance of the Work in accordance with the Contract.

**CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 1**

- 3.8.3 Unless otherwise specified in the Contract Documents, Products provided shall be new. Products which are not specified shall be of a quality consistent with those specified and their use acceptable to the Consultant. All Products supplied by the Contractor must at all times contain 0.00% asbestos. Should any Product be found to contain more than 0.00% asbestos, the Contractor will promptly abate and remove all Products containing asbestos at its sole cost.
- 3.8.4 The Contractor shall maintain good order and discipline among the Contractor's employees engaged on the Work and shall not employ on the Work anyone not skilled in the tasks assigned. The City shall have the right, by written notification to the Contractor, to require the removal from the Project of any employee of the Contractor or a Subcontractor or employee of a Subcontractor of the Contractor who is incompetent, untrained, acts in an unsafe manner, is disorderly or is otherwise unsatisfactory, or who causes a breach of the terms of this Contract. Any such employee or Subcontractor shall be immediately removed from the Place of the Work by the Contractor and shall not be employed again on the Project without the prior written approval of the City.
- 3.8.5 All materials shall be delivered, stored, handled and applied in strict accordance with the manufacturer's instructions, and shall be delivered with type, grade and brand name clearly identifiable and with seals intact.

GC3.9 DOCUMENTS AT THE SITE/DAILY RECORD

GC3.9.1 is deleted in its entirety and replaced with the following:

- 3.9.1 The Contractor shall keep one copy (as opposed to the originally executed set) of all Contract Documents, Shop Drawings, Change Orders, Change Directives, the diary record required by GC3.9.2 below, submittals, reports, and records of meetings at the Place of the Work, in good order, properly indexed, and available at all regular working hours on Working Days to the City and the Consultant.

GC3.9.2 is added as follows:

- 3.9.2 The Contractor shall, from the date of commencement of the Work, maintain a careful diary record of the progress of the Work. This record shall be open to the Consultant's inspection at all reasonable times and delivered to the Consultant on completion of the Work. The diary shall detail:
- .1 daily weather conditions;
 - .2 the commencement, progress and completion of various portions of the work;
 - .3 the dates of all meetings and their purposes; and
 - .4 the dates of visits or inspections by government authorities, inspectors, utility companies, etc.

[GC3.9.3 is added as follows:

- 3.9.3 The Contractor shall, from the date of commencement of the Work, maintain a record of the type(s) and quantity(ies) of fuel(s) used by the Contractor and its Subcontractors to operate vehicles, equipment and machinery in the performance of the Work. The Contractor shall moreover deliver [monthly]/[quarterly] reports to the City detailing the type(s) and quantity(ies) of fuel(s) used by the Supplier and its Subcontractors to operate vehicles, equipment and machinery in the performance**

of the Work, each referring to the period from the date of the last such report (or, if none, from the date hereof) to the date that is 15 days before the date of the report, and shall deliver a final such report covering all of the Work hereunder as a condition to the final payment of the Contract Price hereunder. Each such report shall be in the form of [] [Specify if any form to be used and if so include herewith and include references thereto elsewhere herein.] [Delete this paragraph if inapplicable.]

GC3.10 SHOP DRAWINGS

GC3.10.2 is amended by adding the following to the end:

... or as the Consultant may reasonably request.

GC3.10.13 is added as follows:

3.10.13 The Contractor represents and warrants that it has reviewed all Contract Documents and inspected and examined the Place of the Work and the Project to the extent it considers necessary and in accordance with prudent practice and satisfied itself as to the nature and extent of the conditions, including the physical and climatic conditions which may be encountered in the performance of the Work and to the extent possible to establish the state and quality of the existing construction. The Contractor further acknowledges that it will be required to share the Place of the Work with the City and others, all as described in the Contract Documents.

GC3.12 CUTTING AND REMEDIAL WORK

GC3.12.3 is amended by adding the following to the end:

... unless the City elects to do the work or retain other contractors, after having given the Contractor written notice of the work to be performed. Such work shall be performed in accordance with GC3.2.

GC4.1 CASH ALLOWANCES

GC4.1.1 is deleted in its entirety and replaced as follows:

4.1.1 The Contract Price includes the cash allowances, if any, stated in the Contract Documents. Except to the extent specifically described in the Contract Documents, such cash allowances:

- (a) will cover the net out-of-pocket cost of the Contractor for services, products, construction machinery and equipment, freight, unloading, handling, storage, installation and other authorized expenses incurred in performing the work stipulated under the cash allowances, but
- (b) will not cover labour or installation, unless (and then only to the extent):
 - (i) specifically stated in the Contract Documents as being included in the cash allowance, or
 - (ii) specifically designated as an itemized or separate price for purposes of the cash allowance,

and otherwise will be deemed to be included in the Contract Price (ex-cash allowances).

GC4.1.2 is deleted in its entirety and replaced as follows:

**CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 1**

- 4.1.2 The Contract Price (ex-cash allowances), and not the cash allowances, includes the Contractor's and Subcontractors' overhead and profit in respect of such cash allowances. Unless noted otherwise in the Contract Documents, none of the work included in the Drawings and Specifications is intended to be paid for by the cash allowances. The cash allowances are for the City's use, at the City's sole discretion.

GC4.1.3 is amended by adding the following to the end of the paragraph:

The Consultant may require that cash allowance Work proceed only after competitive tenders or proposals are sought and received by the Contractor for all or any part of such Work. The Contractor shall provide full disclosure to the Consultant of all such tenders or proposals. The Contractor shall not accept any such tenders or proposals without the prior consent of the Consultant. The Contractor shall maintain at the Place of the Work, or such other location as the Consultant may approve, accurate and complete records and accounts documenting all costs incurred under cash allowances. These records and accounts shall be available for inspection by the Consultant and the City at all reasonable times, and the Consultant and the City may take copies thereof.

GC5.1 FINANCING INFORMATION REQUIRED OF THE OWNER

GC5.1 is deleted in its entirety and replaced with the following:

GC5.1 GENERAL FINANCIAL/PAYMENT PROVISIONS

- 5.1.1 The City shall, at the request of the Contractor, before signing the Contract, and promptly from time to time thereafter, furnish to the Contractor reasonable evidence that financial arrangements have been made to fulfill the City's obligations under the Contract. The Contractor now acknowledges that the City's financial statements as published pursuant to the *Financial Information Act* (British Columbia) constitute full satisfaction of this requirement and satisfactory evidence of the City's ability to fulfill its obligations under this Contract.
- 5.1.2 The City shall give the Contractor Notice in Writing of any material change in the City's financial arrangements to fulfill the City's obligations under the Contract during the performance of the Contract.
- 5.1.3 The City shall pay to the Contractor for the proper and timely performance and completion of the Work the Contract Price, consisting of:
- (i) if all or part of the Work is described or designated as Unit Price Work in the Schedule of Prices, the product of each unit price stated in the Schedule of Prices, multiplied by the quantity of each corresponding item of Work necessary for the proper performance and completion of the Work (and if such quantity differs from the quantity expressed in the Contract Documents and such difference is approved in writing by the City, the Contract Price expressed in ARTICLE A-4 of the Agreement shall be deemed to be adjusted to coincide with the approved quantity);
 - (ii) if all or part of the Work is Lump Sum Work, the aggregate of lump sum prices stated in the Schedule of Prices;
 - (iii) the aggregate of all cash allowances, if any, specified in Schedule 3 of the Agreement; and
 - (iv) if all or part of the Work is described or designated as Cost Plus Work, the cost reasonably and necessarily incurred by the Contractor in performing and

**CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 1**

completing such Work, such cost to be determined in accordance with GC5.1A.3, plus a percentage or fixed fee, as stated in GC5.1A.3.

- 5.1.4 The Contract Price is subject to adjustment only in accordance with the Contract Documents.
- 5.1.5 The Contract Price is expressed and payable in Canadian dollars.
- 5.1.6 Subject to the provisions of the Contract Documents and in accordance with the *Lien Act* in respect of Holdbacks, the City shall:
- .1 make progress payments to the Contractor on account of the Contract Price monthly when due, based on:
 - (i) the value of the Work completed and Products and materials incorporated into the Work as certified by the Consultant, and
 - (ii) Products and materials delivered to the Place of the Work but not yet incorporated into the Work, as agreed to by the City;
 - .2 upon issuance of a Certificate of Completion in respect of a subcontract to which the Contractor is a party, and where fifty-five (55) calendar days have elapsed since the issuance of the Certificate of Completion without any Liens having been filed which arose under the subcontract, pay the Holdback to the Contractor in respect of the subcontract;
 - .3 upon issuance of the Certificate of Completion (in respect of Substantial Performance of the Work), and where fifty-five (55) calendar days have elapsed since the issuance of the Certificate of Completion without any Liens or other liens having arisen with respect to this Contract, pay the balance of the Holdback to the Contractor in respect of this Contract;
 - .4 upon issuance of the Final Certificate for Payment (in respect of Total Performance of the Work), and provided no Liens or other liens have arisen in respect of this Contract, pay the balance of the Contract Price to the Contractor.
- 5.1.7 If either party fails to pay when due an amount owing to the other under this Contract, that amount will bear interest at the Bank Rate plus two percent (2%), calculated daily from the due date to the date of payment. For this purpose, the "Bank Rate" means the rate of interest established from time to time by the Bank of Canada as the minimum rate at which the Bank of Canada advances short term loans to Canadian chartered banks.
- 5.1.8 If the Work suffers any loss or damage, as a result of which an amount is paid under any policy of insurance provided by the City under the Contract, then such amount shall be paid to the City and advanced to the Contractor in monthly progress payments as the Contractor performs and completes repair or restoration Work in respect of such loss or damage.

GC5.1A BASIS OF PAYMENT:

5.1A.1 Basis of Payment for Unit Price Work

CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 1

- .1 *Unit Price Work:* Payment for Unit Price Work, if any, shall be based on the unit prices set out in the Schedule of Prices.
- .2 *Measurement:* The Contractor shall measure the Work and the Consultant will verify such measurements to determine payment to the Contractor in accordance with the measurement provisions of the Contract Documents.

5.1A.2 *Basis of Payment for Lump Sum Work*

- .1 *Lump Sum Work:* Payment for Lump Sum Work, if any, shall be based on the lump sum prices set out in the Schedule of Prices.

5.1A.3 *Basis of Payment for Cost Plus Work*

- .1 *Cost Plus Work:* Payment for Cost Plus Work, if any, shall be based on the cost of such Work, as provided in GC5.1A.3.2, plus a fixed fee or percentage fee calculated as a percentage of the cost of such Work, for the Contractor's overhead and profit, except as stated in GC5.1A.4 or GC6.3.6. The fixed fee or percentage fee shall be as provided in the Schedule of Prices (or, if not so specified, as agreed between the City and the Contractor in writing), except as stated in GC5.1A.4.
- .2 *Cost of the Work:* The cost of Cost Plus Work, except as otherwise specified in the Contract Documents or agreed in writing between the City and the Contractor, shall be at rates prevailing in the locality of the Place of the Work and shall include the following cost elements as applicable to such Work:
 - (i) wages and benefits paid for labour in the direct employ of the Contractor under applicable collective bargaining agreements, or under a salary or wage schedule agreed upon by the Consultant and the Contractor;
 - (ii) salaries, wages, and benefits of the Contractor's personnel, when stationed at the field office, in whatever capacity employed; or personnel at shops or on the road, engaged in expediting the production or transportation of materials or equipment;
 - (iii) contributions, assessments, or taxes incurred for such items as employment insurance, provincial or territorial health insurance, workers' compensation, and Canada Pension Plan, insofar as such cost is based on wages, salaries, or other remuneration paid to employees of the Contractor and included in the cost of the Work as provided in paragraphs (i) and (ii);
 - (iv) travel and subsistence expenses of the Contractor's personnel described in paragraphs (i) and (ii), to be included only with the prior approval of the City;
 - (v) the cost of all Products, including the cost of transportation thereof;
 - (vi) the cost of Construction Equipment, Temporary Work, and hand tools not owned by the workers, including transportation, and maintenance thereof, which are consumed in the performance of the Work, at cost less salvage value on such items used but not consumed, which remain the property of the Contractor;

CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 1

- (vii) the cost of all tools and Construction Equipment, exclusive of hand tools used in the performance of the Work, whether rented from or provided by the Contractor or others, including installation, minor repairs and replacements, dismantling, removal, transportation and delivery cost thereof;
 - (viii) deposits lost;
 - (ix) the amounts of all subcontracts;
 - (x) the cost of quality assurance such as independent inspection and testing services;
 - (xi) charges levied by authorities having jurisdiction at the Place of the Work;
 - (xii) any adjustment in premiums for all bonds and insurance which the Contractor is required by the Contract Documents to purchase and maintain;
 - (xiii) any adjustment in value-added taxes (not including taxes on income or capital), for which the Contractor is liable;
 - (xiv) charges for long distance telephone and facsimile communications, courier services, expressage, and petty items incurred in relation to the performance of the Work;
 - (xv) the cost of removal and disposal of waste products and debris; and
 - (xvi) cost incurred due to emergencies affecting the safety of persons or property.
- .3 *Approval Required:* The Contractor shall obtain the Consultant's approval prior to subcontracting or entering into other agreements for Cost Plus Work.
- .4 *Rejection of Costs:* The Consultant may refuse to certify payment for all or part of the cost of any item under any cost element, where the item in question was unsuitable or unnecessary, or the cost was otherwise improperly incurred in the performance of the Work.
- .5 *Records:* The Contractor shall keep full and detailed accounts and records necessary for the documentation of the cost of Cost Plus Work and shall provide the Consultant with copies thereof when requested.
- .6 *Access to Records:* the City and the Consultant shall be afforded reasonable access to all of the Contractor's books, records, correspondence, instructions, drawings, receipts, vouchers, and memoranda related to the cost of Cost Plus Work and for this purpose the Contractor shall preserve such records for a period of one (1) year after the date of Substantial Performance of the Work.

5.1A.4 *Cost Plus Contract Rates and Mark Ups*

Notwithstanding any other provision hereof, when Cost Plus Work is performed then:

**CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 1**

- (i) the costs of labour will be determined by the labour rates specified in the schedules to the Agreement, including the Schedule of Force Account Labour and Construction Equipment Rates, if any, in each case without any mark up unless otherwise specified therein; and
- (ii) the costs of Construction Equipment will be determined by the construction equipment rates specified in the schedules to the Agreement, including the Schedule of Force Account Labour and Construction Equipment Rates, if any, in each case without mark up unless otherwise specified therein.

GC5.2 APPLICATIONS FOR PROGRESS PAYMENT

GC5.2 is deleted in its entirety and replaced with the following:

GC5.2 APPLICATIONS FOR PROGRESS PAYMENT

- 5.2.1 Applications for payment shall be submitted to the Consultant on or before the last day of each calendar month, dated as of the last day of the month, and be in respect of the Work completed prior to the application being signed (the “**payment period**”).
- 5.2.2 The amount claimed shall be the value, proportionate to the amount of the Contract, of Work performed and Products delivered to the Place of the Work as of the last day of the payment period.
- 5.2.3 The Contractor shall submit to the Consultant at least fifteen (15) calendar days before the first application for payment, a schedule of values for the parts of the Work, aggregating the total amount of the Contract Price, so as to facilitate evaluation of applications for payment. A second schedule, stating the anticipated monthly progress payments, is to be submitted upon request.
- 5.2.4 The schedule of values shall be made out in such form and supported by such evidence as the Consultant may reasonably direct and when accepted by the Consultant, shall be used as the basis for applications for payment, unless it is found to be in error.
- 5.2.5 When making an application for payment, the Contractor shall submit a statement based upon the schedule of values. Claims for Products delivered to the Place of the Work but not yet incorporated into the Work shall be supported by such evidence as the Consultant may reasonably require to establish the ownership, value and delivery of the Products. The City has the right to refuse payment for Products delivered to the Place of the Work but not incorporated in the Work. The Contractor shall obtain the City's permission prior to invoicing for such Products.
- 5.2.6 Each application for payment shall:
 - .1 be in such form and detail as the Consultant shall require and submitted consistently in such form and detail unless otherwise advised by the Consultant and clearly show:
 - (D) the Contractor's full name, address and telephone number;
 - (E) the City's purchase order number;
 - (F) the name of the City's project manager;
 - (G) the application for payment number and date; and

**CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 1**

- (H) the Contractor's PST and GST registration number(s);
- .2 be attached to a statement or statutory declaration sworn by an officer of the Contractor, which attests to the accuracy and completeness of the information contained therein, and for each application following the first application also include in addition to the foregoing and not in lieu of the same, a current CCDC 9A Statutory Declaration of Progress Payment Distribution by Contractor, which shall be completed and sworn before a Notary Public or Commissioner for Oaths for the Province of British Columbia;
- .3 relate the Work for which payment is claimed to the Project Schedule and the schedule of values provided and provide such back-up invoices and other materials as may be reasonably necessary for the Consultant to review such application;
- .4 be accompanied by a sworn declaration that there are no Liens or other liens relating to the Contractor, the Work or the Products registered against the City, the Project or the Place of the Work or the City's interest therein or against the Holdback;
- .5 attach the documents required under GC9.4 demonstrating compliance by the Contractor and each Subcontractor with WorkSafeBC Rules;
- .6 attach the monthly update contemplated by GC3.5.3; and
- .7 provide a comprehensive list of items which remain to be completed and any defective items which remain to be corrected and the Contractor's estimate of the costs and time to complete or correct such items.
- 5.2.7 The Contractor shall deliver a complete application as provided in GC5.2.6 and if such application is not complete, the Consultant may reject all or the applicable portions of the same by promptly (and in any event within five (5) calendar days of its receipt) notifying the Contractor of the deficiencies in the application. The Contractor will promptly supply to the Consultant such further certification or information as may be necessary to remedy the deficiencies in the application.
- 5.2.8 An application for payment shall be deemed to be received by the Consultant only if and when submitted in full conformity with GC5.2.6.

GC5.3 PROGRESS PAYMENT

GC5.3.1.2 is amended by adding the following before the last sentence of the paragraph:

If, after a certificate for payment has been issued to the City (and prior to payment by the City), the Consultant determines on the basis of new information that the amount certified for payment is incorrectly high or low relative to the Work being certified, then the Consultant shall issue a revised certificate.

GC5.3.1.3 is amended by deleting the words "Article A-5 of the Agreement - PAYMENT" and replacing with "this GC5 and the *Lien Act*".

GC5.3.2 is added as follows:

- 5.3.2 Subject to the provisions of the *Lien Act*, the City may retain a deficiency holdback from progress payments prior to Substantial Performance of the Work to ensure that sufficient money is withheld to fund any agreed deficiency holdback at Substantial Performance of the Work

GC5.4 SUBSTANTIAL PERFORMANCE OF THE WORK

GC5.4 is deleted in its entirety and replaced with the following:

GC5.4 SUBSTANTIAL PERFORMANCE OF THE WORK/CERTIFICATE OF COMPLETION

- 5.4.1 When the Contractor considers that Substantial Performance of the Work has been achieved, or if permitted by the *Lien Act* the Contractor wishes to apply for a Certificate of Completion with respect to a subcontract with a Subcontractor, the Contractor shall, within one Working Day, deliver to the Consultant and to the City an application for a Certificate of Completion (a “**Completion Certificate Application**”) in conformity with GC5.4.4.
- 5.4.2 The Consultant will review the Work to verify the validity of the application and shall promptly, and in any event, no later than ten (10) calendar days after receipt of the Contractor's application:
- .1 advise the Contractor in writing that the Work or the designated portion of the Work is not “completed” (as that term is used in the *Lien Act*) and give reasons why, or
 - .2 prepare a Certificate of Completion in respect of the Work or subcontract stating on the certificate the date of issuance in accordance with the *Lien Act* and issue a copy of that certificate to each of the City and the Contractor.
- 5.4.3 Immediately following the issuance of the Certificate of Completion for all of the Work, the Contractor, in consultation with the Consultant, shall establish a reasonable date for Total Performance of the Work (which date will be deemed to be the date for the same set out in the Project Schedule if such date is specified).
- 5.4.4 Each Completion Certificate Application referred to in GC5.4.1 shall also contain an application for payment and shall consist of the following:
- .1 a cover letter stating that the submittal is an application for a Certificate of Completion as well as an application for payment, and clearly identifying the Work or subcontract for which the Certificate of Completion is being sought;
 - .2 all of the certifications and information required on an application for payment, as set out in GC5.2.6;
 - .3 with respect to the Work or subcontract, as applicable, all deliverables, including copies of all manufacturer's warranties, called for in the Contract Documents which are or should be available at the time of the Completion Certificate Application, including, without limitation and by way of example only, all operation manuals, service manuals, warranty certificates, maintenance contracts, service contracts, software licences, inspection reports, and other applicable manuals, contracts, certificates, guarantees and warranties.
- 5.4.5 Failure to specify an incomplete or defective item on a Completion Certificate Application or the Consultant's issuance of a Certificate of Completion or certificate of payment in respect of the same does not alter the responsibility of the Contractor to complete the Contract.

- 5.4.6 Subject to the requirements of the *Lien Act* relative to the date of issuance by the Consultant of the Certificate of Completion of the Work pursuant to GC5.4.2.2:
- .1 the Consultant shall issue to the City and copy to the Contractor a certificate of payment for an amount equal to the Contract Price less:
 - (i) three times the value of any deficiencies shown on the comprehensive list of items to be completed or corrected, as determined by the Consultant,
 - (ii) the value of incomplete work as determined by the Consultant, and
 - (iii) the amounts of all previous certificates of payment;
 - .2 the City shall then make payment to the Contractor in accordance with the provisions of GC5.3.1.3 provided always that a Completion Certificate Application shall be deemed received only if and when submitted in accordance with GC5.2.6 as well as GC5.4.4; and
 - .3 for the avoidance of doubt, this GC5.4.6 does not create an obligation to avoid retaining, or to release, any Holdback.

GC5.5 PAYMENT OF HOLDBACK UPON SUBSTANTIAL PERFORMANCE OF THE WORK

GC5.5 is deleted in its entirety and replaced with the following:

GC5.5 PAYMENT OF HOLDBACK UPON SUBSTANTIAL PERFORMANCE OF THE WORK

- 5.5.1 After the issuance of the Certificate of Completion evidencing Substantial Performance of the Work, the Contractor shall:
- .1 submit an application for payment of the Holdback,
 - .2 submit a current CCDC 9A Statutory Declaration of Progress Distribution by Contractor, as well as a current CCDC 9B Statutory Declaration of Progress Distribution by Subcontractor from each of the Subcontractors, which in every case shall be fully and properly completed and sworn before a Notary Public or Commissioner for Oaths for the Province of British Columbia;
 - .3 verify that there are no Liens or other liens relating to the Contractor, the Work or the Products registered against the City, the Project or the Place of the Work or the City's interest therein or against the Holdback, and swear and submit to the Consultant a written declaration that there are no such Liens or other liens;
 - .4 attach the documents required under GC9.4 demonstrating compliance by the Contractor and each Subcontractor with WorkSafeBC Rules; and
 - .5 attach copies of a current title search of the Place of the Work confirming that no Liens have been registered prior to the time the release of the Holdback is due.
- 5.5.2 After the receipt of and approval of the application documents described in GC5.5.1, the Consultant will issue a certificate for payment of the Holdback (less any previous releases of the Holdback on account of subcontract Certificates of Completion).

- 5.5.3 The Contractor now acknowledges that the City is exempt under the regulations of the *Lien Act* from the requirement to keep the Holdback in a separate holdback account.
- 5.5.4 The Holdback is due and payable as set out in GC5.1.6.3. The City may retain out of the Holdback any sums required by law to satisfy any Liens arising under the Contract or any subcontract or, if permitted by the *Lien Act*, claims against the Contractor.

GC5.6 PROGRESSIVE RELEASE OF HOLDBACK

GC5.6.1 is deleted in its entirety and replaced with the following:

- 5.6.1 Any portion of the Holdback in respect of a Subcontractor or Supplier subcontract is due and payable as set out in GC5.1.6.3. The City may retain out of the subcontract portion of the Holdback any sums required by law to satisfy any Liens arising in connection therewith or, if permitted by the *Lien Act*, other claims.

GC5.6.2 is deleted in its entirety.

GC5.6.3 is amended by deleting the words “final certificate for payment” and replacing with “Final Certificate for Payment”.

GC5.7 FINAL PAYMENT

GC5.7.1 is deleted in its entirety and replaced as follows:

- 5.7.1 When the Contractor considers that Total Performance of the Work has been achieved, the Contractor shall submit its final application for payment. The application for payment on attaining Total Performance of the Work shall consist of the following:
- .1 all of the certifications and information required on an application for payment as set out in GC5.2.6, all appropriately amended to clearly confirm that the Work is fully completed, all Products have been delivered, and all Lien periods have expired with no Liens or other liens having been filed;
 - .2 a current CCDC 9A Statutory Declaration of Progress Distribution by Contractor, as well as a current CCDC 9B Statutory Declaration of Progress Distribution by Subcontractor from each of the Subcontractors, which in every case shall be fully and properly completed and sworn before a Notary Public or Commissioner for Oaths for the Province of British Columbia;
 - .3 copies of a current title search of the Place of the Work confirming that no Liens have been registered as at the date of application for Final Certificate for Payment; and
 - .4 all deliverables called for in the Contract Documents which were not delivered at the time of Substantial Performance of the Work.

GC5.7.3 is amended by deleting the words “final certificate for payment” and replacing with “Final Certificate for Payment”.

GC5.7.4 is deleted in its entirety and replaced as follows:

- 5.7.4 Subject to paragraph 9.4.1 of GC9.4 - CONSTRUCTION SAFETY & WORKPLACEBC RULES, and the *Lien Act*, the City shall, no later than twenty-one (21) calendar days after the issuance of a Final Certificate for Payment, pay the Contractor as provided in GC5.1.6.4

GC6.1 OWNER'S RIGHT TO MAKE CHANGES

GC6.1.3 is added as follows:

- 6.1.3 Change Orders, contemplated Change Orders, and Change Directives shall be on printed forms supplied by the City or Consultant and may include:
- .1 job site instructions or site memo forms, for immediate authorization at the Place of the Work in order not to delay the performance of the Work and for changes of a minor nature with no price variation, which shall be issued on site on the signature of the Consultant only;
 - .2 contemplated Change Orders issued by the Consultant for purposes of the Contractor's response to a proposed method of adjustment and extent of adjustment to the Contract Price or Contract Time, which shall be signed by the Consultant only;
 - .3 Change Orders authorizing the Contractor to proceed with the Work as set out by the Consultant and Contractor in a contemplated Change Order, which shall be signed by the City and the Contractor.

GC6.1.4 is added as follows:

6.1.4 *Basis of Payment for Changes on Cost Plus Basis*

- .1 *Work Done on Cost Plus Basis:* The cost of Work done under a Change Directive or Change Order on a cost-plus basis, except as otherwise specified in the Contract Documents or agreed in writing between the City and the Contractor, shall be at rates prevailing in the locality of the Place of the Work and, subject to GC6.1.6, shall include the cost elements set out in GC5.1A.3(i) through (xvi) as applicable to such Work.
- .2 *Approval Required:* The Contractor shall obtain the Consultant's approval prior to subcontracting or entering into other agreements for Work done under a Change Directive or Change Order on a cost-plus basis.
- .3 *Rejection of Costs:* The Consultant may refuse to certify payment for all or part of the cost of any item under any cost element, where the item in question was unsuitable or unnecessary, or the cost was otherwise improperly incurred in the performance of the Work.
- .4 *Records:* The Contractor shall keep full and detailed accounts and records necessary for the documentation of the cost of Work done under a Change Directive or Change Order on a cost-plus basis, and shall provide the Consultant with copies thereof when requested.
- .5 *Access to Records:* the City and the Consultant shall be afforded reasonable access to all of the Contractor's books, records, correspondence, instructions, drawings, receipts, vouchers, and memoranda related to the cost of Work done under a Change Directive or Change Order on a cost-plus basis, and for this purpose the Contractor shall preserve such records for a period of one (1) year after the date of Substantial Performance of the Work.
- .6 Notwithstanding any other provision hereof, when a change in the Work is valued on a cost-plus basis, then:

CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 1

- (i) the costs of labour will be determined by the labour rates specified in the schedules to the Agreement, including the Schedule of Force Account Labour and Construction Equipment Rates, if any, in each case without any mark up unless otherwise specified therein;
- (ii) the costs of Construction Equipment will be determined by the construction equipment rates specified in the schedules to the Agreement, including the Schedule of Force Account Labour and Construction Equipment Rates, if any, in each case without mark up unless otherwise specified therein; and
- (iii) for further certainty, to the extent that any changes involve changes in the quantities of Unit Price Work such changes will be determined solely by the unit prices, without mark-up, unless otherwise specified in the schedules to the Agreement.

GC6.1.5 is added as follows:

6.1.5 Valuation and Marks ups for all Change Orders and Change Directives

The following terms and conditions will apply to any quotation for a Change Order prepared by the Contractor pursuant to GC 6.2 - *CHANGE ORDER*, and will also apply to any Change Directive issued pursuant to GC 6.3 - *CHANGE DIRECTIVE*:

- .1 The valuation for all (except previously agreed separate prices and unit prices) Work done under a Change Directive or Change Order which result in an increase in the Contract Price, whether valued as a lump sum or on a cost-plus basis, will be based on the actual direct unavoidable costs incurred by the Contractor and will be deemed to include all amounts on account of overhead, profit, administrative, and any other indirect expenses or allowances except as follows:
 - .1 The Contractor will receive combined overhead and profit equal to ten percent (10%) of the direct unavoidable costs incurred by the Contractor's use of his own forces;
 - .2 The Contractor will receive five percent (5%) combined overhead and profit on the amounts paid by the Contractor to any Subcontractor or Suppliers as a direct result of the Change Order or Change Directive (provided always that the Subcontract contains the same limitations on Change Orders and Change Directives as this Contract).
 - .3 The Subcontractor will receive combined overhead and profit of ten percent (10%) on account of the direct unavoidable costs incurred by the Subcontractor as direct result of the Change Order or Change Directive, and
 - .4 The Supplier will receive no overhead, profit or other markup on account of the Change Order or Change Directive.
- .2 The valuation for all (except previously agreed separate price and unit rates) changes in the Work which result in a decrease in the Contract Price will be based on the actual savings in all costs to the Contractor, Subcontractor and Suppliers, exclusive of markups or deductions for overhead, profit,

**CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 1**

administrative or any other indirect costs not causally related to the Change Order or Change Directive.

- .3 If a change in the Work results in both expenditures and savings, any overhead or profit that is otherwise payable by the City shall be payable only on the net increase in expenditures, if any, with respect to that change in the Work.
- .4 The Contractor will only enter into Subcontracts with Subcontractors and Suppliers which obligate each Subcontractor and Supplier to comply with the provisions of this Part 6 - CHANGES IN THE WORK.
- .5 Upon the request of the Consultant, the Contractor will promptly deliver all supporting documentation including labour, Products, services, Subcontract breakdowns and all other documentation in order to substantiate any Change Order quotation or change in the Contract Price pursuant to a Change Directive.
- .6 The Contractor will be responsible for having time sheets covering all personnel respecting any Change Order or Change Directive checked and approved daily by the Consultant, and claims for reimbursement of any extra wages, salaries or other expenses relating to such personnel will only be accepted when properly supported by such signed time sheets.
- .7 All costs and expenses incurred by the Contractor and any Subcontractor or Suppliers in preparing any requested Change Order quotation or submitting, substantiating or otherwise administering a claim pursuant to a Change Order or Change Directive will be the responsibility of the Contractor and may not be included in any adjustment to the Contract Price.

GC6.1.6 is added as follows:

6.1.6 Cost Plus Maximum under Change Order

When a change in Work is valued on a cost-plus basis, the City may require that the aggregate amount incurred under the corresponding Change Directive shall not exceed a maximum amount acceptable to the City, acting reasonably, and specified in the Change Directive, as such amount may be revised from time to time by subsequent written authorization of the City. The Contractor shall not be entitled to payment in excess of such applicable maximum amount in respect of any such Change Directive.

GC6.3 CHANGE DIRECTIVE

GC6.3.3 is deleted in its entirety.

GC6.3.5 is deleted in its entirety.

GC6.3.6 is deleted in its entirety.

GC6.3.7 is deleted in its entirety.

GC6.3.8 is deleted in its entirety.

GC6.3.9 is deleted in its entirety.

GC6.3.10 is deleted in its entirety.

GC6.4 CONCEALED OR UNKNOWN CONDITIONS

GC6.4.1 is deleted in its entirety and replaced as follows:

- 6.4.1 If the Contractor discovers conditions at the Place of the Work which: (i) are subsurface or otherwise concealed physical conditions which existed before the commencement of the Work; (ii) could not reasonably have been discovered by proper investigation by the Contractor under GC3.10.13; and (iii) differ materially from those disclosed in the Contract Documents, including any geotechnical report, environmental assessment, or other report included or referenced in the Contract Documents or provided or made known to the Contractor before the commencement of the Work, then the Contractor shall give Notice in Writing to the Consultant of such conditions before they are disturbed and in no event later than five (5) Working Days after first observance of the conditions.

GC6.4.1A is added as follows:

- 6.4.1A The Contractor must give notice under GC6.4.1 within five (5) Working Days after discovery of the conditions or the time when the Contractor by reasonable diligence could have discovered the conditions, failing which the Contractor may not make or enforce any claim against the City, whether for a change in the Contract Price or other compensation or for an extension of the Contract Time arising from those conditions.

GC6.4.2 is amended by deleting the words “If the finding is that the conditions differ materially and this would cause” and replacing with “If the requirements of GC6.4.1 and GC6.4.1A are satisfied and the relevant conditions would cause”.

GC6.4.3 is amended by deleting the words “the conditions at the Place of Work are not materially different” and replacing with “the requirements of GC6.4.1 and GC6.4.1A are not satisfied”.

GC6.4.4 is deleted in its entirety and replaced as follows:

- 6.4.4 If such concealed or unknown conditions relate to Hazardous Substances, artefacts and fossils, or mould, the parties will be governed by the provisions of GC9.2 - TOXIC AND HAZARDOUS SUBSTANCES, GC9.3 - ARTIFACTS AND FOSSILS and GC9.5 - MOULD.

GC7.1 OWNER'S RIGHT TO PERFORM THE WORK, TERMINATE THE CONTRACTOR'S RIGHT TO CONTINUE WITH THE WORK OR TERMINATE THE CONTRACT

GC7.1.5.2 is amended by deleting the words “final certificate for payment” and replacing with “Final Certificate for Payment”.

GC7.1.7 is added as follows:

- 7.1.7 The City may terminate the Contract at any time for the convenience of the City by notice given to the Contractor. If the Contract is terminated under this GC7.1.7, then:
- (a) the Contractor shall suspend performance of the Work and shall not incur further cost or expense in relation to the Work, except (i) as necessary to protect the Work and the safety of persons, or (ii) as authorized or directed in writing by the City;
 - (b) the Contractor shall remove from the Place of the Work its personnel and all Construction Equipment and other material that is owned or leased by the

Contractor, except as otherwise required to comply with GC7.1.7(a)(i) and (ii); and

- (c) the City shall pay the Contractor for all Work performed, including the cost of complying with GC7.1.7(a)(i) and (ii), in accordance with the terms and conditions of payment set out in the Contract, together with the documented and reasonable cost of terminating subcontracts with Subcontractors and Suppliers and demobilizing the Contractor's personnel and Construction Equipment, all as certified by the Consultant, and upon such payment being made, the Contractor shall have no further or other claim against the City for, or in connection with, termination of the Contract.

GC7.2 CONTRACTOR'S RIGHT TO SUSPEND THE WORK OR TERMINATE CONTRACT

GC7.2.2 is amended by replacing the number "20" where it appears in the first sentence with the number "30".

GC7.2.3 is amended by adding the following to the beginning of the first sentence:

If the default cannot be corrected in five (5) Working Days or in such other time as may be subsequently agreed in writing by the parties,

GC7.2.3.1 is deleted in its entirety.

GC7.2.3.4 is deleted in its entirety and replaced with the following:

- .4 the City violates the requirements of the Contract to a substantial degree and the Consultant, except for GC5.1- GENERAL FINANCIAL/PAYMENT PROVISIONS, confirms by written statement to the Contractor that sufficient cause exists.

GC7.2.4 is amended by revising the second line to read:

...corrected within fourteen (14) Working Days following the receipt of the Notice in Writing, the Contractor may, without prejudice to any ...

GC 8.2 NEGOTIATION, MEDIATION AND ARBITRATION

GC8.2.1.1 is deleted in its entirety and replaced as follows:

- .1 within thirty (30) Working Days after the Contract was awarded, or

GC8.2.1.2 is deleted in its entirety and replaced as follows:

- .2 if the parties neglected to make an appointment within the thirty (30) Working Days, within twenty (20) Working Days after either party by Notice in Writing requests that the Project Mediator be appointed.

GC8.2.3 is amended by adding the following to the end:

However, the City and the Contractor nonetheless irrevocably and unconditionally attorn to the jurisdiction of the courts of British Columbia, and courts to which appeals therefrom may be taken, in respect of any dispute or claim arising under or relating to the Contract. The City and the Contractor acknowledge and agree that such courts have jurisdiction, but not necessarily exclusive jurisdiction in respect of any such dispute or claim. If a dispute arises under or in relation to this Contract, and the dispute cannot be resolved by the City's project

**CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 1**

manager and the Contractor's principal representative at the Place of the Work within three (3) Working Days after the dispute arises, or the City's project manager is not authorized to resolve the dispute, then:

- (a) the dispute will be referred to the City's Director of Facilities and the Contractor's project manager for resolution, and if they cannot resolve the dispute within three (3) Working Days after referral to them, then
- (b) the dispute will be referred to a senior executive of the City designated by it and a senior executive of the Contractor designated by it, for resolution, and if they cannot resolve the dispute within three (3) Working Days after referral to them, then
- (c) either party may take such further legal proceedings as they consider necessary for the resolution of the dispute either concurrently with or in lieu of the process outlined in GC8.2.4 to GC8.2.9.

GC8.2.4 is amended by revising the second line to read:

...the parties may request the Project Mediator...

GC8.2.6 is amended by revising the second line to read:

...either party may request referral of the dispute...

GC8.2.7 is deleted in its entirety and replaced as follows:

- 8.2.7 If a Notice in Writing is not given under paragraph 8.2.6 within the required time or the other party does not reply and agree to binding arbitration, the parties may refer the unresolved dispute to the courts or to any other form of dispute resolution, including arbitration, which they have agreed to use.

GC8.2.9 is added as follows:

- 8.2.9 Where references are made in the Contract Documents to "the time of bid closing", it is intended by the parties that this shall mean the effective date of the contract.

GC9.1 PROTECTION OF WORK AND PROPERTY

GC9.1.1 is deleted in its entirety and replaced with the following:

- 9.1.1 The Contractor shall protect the Work, Products delivered to the Place of the Work, the City's property and property on or adjacent to the Place of the Work from theft and damage which may arise as the result of the Contractor's operations under the Contract, and shall be responsible for such theft and damage, except theft and damage which occurs as the result of:

- .1 errors in the Contract Documents;
- .2 acts or omissions by the City, other contractors, or their agents and employees.

GC9.1.4 is amended by revising the first line to read:

Should damage occur to the Work, Products delivered to the Place of the Work, the City's property or property on or adjacent to the Place of the Work, for which the Contractor is not responsible, as provided in paragraph...

GC9.1.5 is added as follows:

- 9.1.5 The Contractor is responsible for protection of the Work during shutdown, including shutdowns caused by strikes.

GC9.2 TOXIC AND HAZARDOUS SUBSTANCES

GC9.2.1 is deleted in its entirety and replaced with the following:

- 9.2.1 For the purposes of the Contract, the City shall be deemed to have control and management of the Place of the Work with respect to the condition of the Place of the Work prior to the commencement of the Work in relation to applicable Environmental Law and the presence of any Hazardous Substances.

GC9.2.2 is deleted in its entirety and replaced with the following:

- 9.2.2 Prior to the Contractor commencing the Work, the City shall:
- .1 take reasonable steps to determine whether the Place of the Work contains any Hazardous Substances and, if so, whether the condition of the Place of the Work is in compliance with applicable Environmental Law; and
 - .2 provide the Consultant and the Contractor with a written list of any such Hazardous Substances that the City knows to exist on, and their locations within, the Place of the Work.

GC9.2.3 is deleted in its entirety and replaced with the following:

- 9.2.3 Unless the Contract expressly provides otherwise, the City shall be responsible for taking such steps as may be necessary, in accordance with applicable Environmental Law to dispose of, store or otherwise deal with Hazardous Substances so as to cause the Place of the Work to comply with the requirements of applicable Environmental Law before the Contractor commences the Work.

GC9.2.4 is deleted in its entirety and replaced with the following:

- 9.2.4 Except as previously disclosed in writing by the City or as otherwise known by the Contractor, if the Contractor:
- .1 encounters Hazardous Substances at the Place of the Work; or
 - .2 has reasonable grounds to believe that Hazardous Substances are present at the Place of the Work which were not brought to the Place of the Work by the Contractor or anyone for whom the Contractor is responsible or which were disclosed but have not been dealt with as required under paragraph 9.2.3,

the Contractor shall:

- (a) take reasonable steps, including stopping the Work, to ensure that no person's exposure to any Hazardous Substance at the Place of the Work exceeds any levels contrary to the requirements of applicable Environmental Law, and
- (b) immediately report the circumstances to the Consultant and the City by Notice in Writing.

GC9.2.5 is deleted in its entirety and replaced with the following:

**CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 1**

- 9.2.5 If the City and the Contractor, acting reasonably, fail to agree on whether the condition of the Place of the Work is in compliance with applicable Environmental Law prior to the commencement of the Work or whether Hazardous Substances were brought onto the Place of the Work by the Contractor or anyone for whom the Contractor is responsible, or whether the Contractor or anyone for whom the Contractor is responsible caused the release of Hazardous Substances at the Place of the Work, the City shall retain an independent qualified expert to investigate and report on the subject of the dispute. Subject to paragraph 9.2.6, the City shall pay for the cost of the expert's investigation and report. The City will provide a copy of the expert's report to the Contractor.

GC9.2.6 is deleted in its entirety and replaced with the following:

- 9.2.6 If the expert's report under paragraph 9.2.5 determines that the Place of the Work was in compliance with applicable Environmental Law prior to the commencement of the Work or that Hazardous Substances were brought onto the Place of the Work by the Contractor or any for whom the Contractor is responsible, or that the Contractor or anyone for whom the Contractor is responsible caused the release of a Hazardous Substance at the Place of the Work, the Contractor shall pay for the cost of the expert's investigation and report.

GC9.2.7 is deleted in its entirety and replaced with the following:

- 9.2.7 If the City and the Contractor agree, or if the expert's report under paragraph 9.2.5 concludes, that the Contractor or anyone for whom the Contractor is responsible brought a Hazardous Substance onto, or caused the release of a Hazardous Substance on, the Place of the Work, the Contractor shall promptly at the Contractor's expense:
- .1 take such steps as are necessary to safely and in compliance with Environmental Law remove, transport and dispose of such Hazardous Substance and to remediate the Place of the Work to such extent as is required to cause the Place of the Work to comply with all applicable Environmental Law;
 - .2 make good any damage to the Work, the City's property and any property affected by any migration of the Hazardous Substance as provided in paragraph 9.1.3 of GC9.1 - PROTECTION OF WORK AND PROPERTY;
 - .3 reimburse the City for all resultant costs and expenses reasonably incurred by the City; and
 - .4 indemnify the City as required by GC12.1 - INDEMNIFICATION

GC9.2.8 is deleted in its entirety and replaced with the following:

- 9.2.8 If the City and the Contractor agree, or if the expert's report under paragraph 9.2.5 concludes, that neither the Contractor nor anyone for whom the Contractor is responsible is responsible for bringing a Hazardous Substance onto, or for causing the release of a Hazardous Substance on, the Place of the Work, the City shall promptly at the City's expense:
- .1 take such steps as are necessary to safely and in compliance with Environmental Law remove, transport and dispose of such Hazardous Substance and to remediate the Place of the Work to such extent as is required to cause the Place of the Work to comply with all applicable Environmental Law;

**CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 1**

- .2 reimburse the Contractor for all resultant costs and expenses reasonably incurred by the Contractor;
- .3 extend the Contract time for such reasonable time as the Consultant may recommend in consultation with the Contractor and the expert referred to in paragraph 9.2.5 and reimburse the Contractor for costs reasonably incurred as a result of the delay, and
- .4 indemnify the Contractor as required by GC12.1 - INDEMNIFICATION.

GC9.2.9 is amended by deleting the words “Part 8 of the General Conditions - Dispute Resolution” from the second line and replacing with “Part 8 - DISPUTE RESOLUTION”.

GC9.2.10 is added as follows:

- 9.2.10 The Contractor shall, and shall ensure that anyone for whom the Contractor is responsible shall, at all times comply with all applicable Environmental Law and ensure that all Work is conducted in compliance with all applicable Environmental Law.

GC 9.3 ARTIFACTS AND FOSSILS

GC9.3.1 is deleted in its entirety and replaced with the following:

- 9.3.1 If the Contractor or anyone for whom the Contractor is responsible discovers fossils coins, articles of value or antiquity, structures and other remains or things of scientific, cultural or historical interest at the Place of the Work (in GC9.3 called, “**Historical Items**”), the Contractor shall immediately give Notice in Writing thereof to the City and the Consultant. As between the City and the Contractor, all Historical Items shall be, and shall be deemed to be, the absolute property of the City, and the Contractor hereby irrevocably waives and disclaims any right, title or interest therein.

GC9.3.2 is deleted in its entirety and replaced with the following:

- 9.3.2 The Contractor shall take all reasonable precautions, and shall comply with all reasonable directions from the Consultant, to prevent removal or damage to Historical Items as identified in paragraph 9.3.1 or as otherwise known to be present at the Place of the Work.

GC9.3.3 is deleted in its entirety and replaced with the following:

- 9.3.3 The Consultant will investigate the impact on the Work of the discovery of any Historical Item identified in paragraph 9.3.1. If conditions are found that would cause an increase or decrease in the Contractor’s cost or time to perform the Work, the Consultant, with the City’s approval, will issue appropriate instructions for a change in the Work as provided in GC6.2 -CHANGE ORDER or GC6.3 - CHANGE DIRECTIVE.

GC9.4 CONSTRUCTION SAFETY

The above heading for GC9.4 is amended by adding “&WORKSAFEBC RULES” to the end.

GC9.4.2 is added as follows:

- 9.4.2 Unless otherwise specified in the Contract Documents or notified to the contrary by the Consultant, the Contractor is the “prime contractor” for the purpose of the WorkSafeBC Rules, notwithstanding that the City, the Consultant or another contractor

CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 1

may provide from time to time some of the services normally provided by such a “prime contractor”.

GC9.4.3 is added as follows

9.4.3 If the Contractor is the “prime contractor”, the Contractor shall:

- .1 *Compliance with Law:* comply with all Applicable Laws, and all reasonable rules established by the City of which the Contractor is given timely notice through the Consultant, relative to occupational health and safety;
- .2 *Safety Programs:* initiate, maintain and supervise all safety programs and measures in connection with the performance of the Work, which program shall respond fully to the requirements of all Applicable Laws relative to occupational health and safety, all to the satisfaction of the Consultant;
- .3 *Site Meetings:* conduct regular safety meetings at the Place of the Work, no less frequently than weekly, record minutes of such meetings and give copies of such minutes to the Consultant on a weekly basis;
- .4 *Safety Equipment:* supply and maintain at the Place of the Work all safety equipment necessary to protect workers and others from accident or injury; and
- .5 *First Aid:* supply and maintain at the Place of the Work all personnel, equipment and supplies necessary for the provision of appropriate first-aid to any worker or person suffering an accident or injury at or about the Place of the Work, and establish an emergency procedure for prompt removal of any such person from the Place of the Work to a hospital, clinic or medical office for further treatment.
- .6 *Notice of Project:* prior to commencement of construction:
 - (a) complete and file a “Notice of Project” with the WorkSafeBC in compliance with Section 20.2 of the *Occupational Health and Safety Regulation*;
 - (b) post the Notice of Project at the Place of the Work, and
 - (c) provide a copy of the Notice of Project to the City and confirm in writing that the Notice of Project has been posted at the Place of the Work.

GC9.4.4 is added as follows

9.4.4 If, or for so long as the Contractor is not the “prime contractor”, the Contractor shall:

- .1 *Compliance with Law:* comply with all Applicable Laws, and all reasonable rules established by the City of which the Contractor is given timely notice through the Consultant, relative to occupational health and safety;
- .2 *Compliance with Directions:* comply with all reasonable directions issued by the “prime contractor” regarding compliance with Applicable Laws, and rules established by the City, relative to occupational health and safety; and

CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 1

- .3 *Site Safety Meetings:* attend all Place of the Work safety meetings convened by the “prime contractor”.

GC9.4.5 is added as follows

9.4.5 Whether or not the Contractor is the “prime contractor”, it shall:

- .1 *Reporting:* report immediately to the “prime contractor” (if not the Contractor) and the Consultant all accidents and injuries of any kind or severity occurring on or about the Place of the Work and involving employees of the Contractor or any Subcontractor, or any other person of which the Contractor is aware, and arising out of or in connection with the Work;
- .2 *Written Confirmation:* confirm in writing each report made under subparagraph (a); and
- .3 *City Policy:* respect and adhere to City’s safety and training policies relative to the Place of the Work and the Work.

GC9.4.6 is added as follows

- 9.4.6 If the Consultant determines that the Contractor is not in compliance with its obligations as “prime contractor”, if applicable, the City may, but is not obliged to, provide some or all of the services required to discharge those obligations. All costs incurred by the City in providing such services shall be paid by the Contractor to the City, and may be deducted from any amount then or thereafter becoming due to the Contractor under the Contract.

GC9.4.7 is added as follows:

- 9.4.7 The Contractor shall indemnify and save harmless the City from any and all damages, liabilities, cost, fines, penalties, fees and expenses whatsoever including, without limitation, legal fees, charges and disbursements as between a solicitor and his own client, related to or arising out of the assignment to the Contractor, and the Contractor’s assumption, of the responsibilities, obligations and liabilities of the “prime contractor” under the WorkSafeBC Rules with respect to the Place of the Work.

GC9.4.8 is added as follows:

- 9.4.8 The Contractor agrees that it shall at its own expense procure and carry or cause to be procured and carried and paid for, full WorkSafeBC coverage for itself and all workers, employees, servants and others engaged in or upon any work or service which is the subject of this Contract.

GC9.4.9 is added as follows:

- 9.4.9 The Contractor agrees that the City has the unfettered right to set off the amount of the unpaid premiums and assessments for such WorkSafeBC coverage against any monies owing by the City to the Contractor. The City shall have the right to withhold payment under this Contract until the WorkSafeBC premiums, assessments or penalties in respect of work done or service performed in fulfilling this Contract had been paid in full.

GC9.4.10 is added as follows:

CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 1

9.4.10 Promptly upon execution of this Agreement, the Contractor will provide the City with the Contractor's and all Subcontractors' WorkSafeBC registration numbers.

GC9.4.11 is added as follows:

9.4.11 Promptly upon execution of this Agreement, and concurrently with making any application for payment under this Contract, the Contractor will provide the City with written confirmation that the Contractor and all Subcontractors are registered in good standing with WorkSafeBC and that all assessments have been paid to the then current date.

GC9.4.12 is added as follows:

9.4.12 The Contractor may or may not have received, as part of the Contract Documents, a "Pre-Contract Hazard Assessment" prepared by or for the City pursuant to the City's statutory obligations under the WorkSafeBC Rules (Section 119 of the *Workers' Compensation Act*) as an "owner of a workplace". Despite the City's statutory obligations, the Contractor now acknowledges and agrees that the Contractor may not rely on the "Pre-Contract Hazard Assessment" and now agrees to assume by the terms of this Contract full responsibility for carrying out the City's obligations under Section 119 of the *Workers' Compensation Act*, including without limitation and by way of example only, conducting all due diligence inquiries of all applicable City staff and departments in order to ascertain what, if any, information is known or has been recorded by City staff about the Place of the Work that is necessary to identify and eliminate or control hazards to the health or safety of persons at the Place of the Work. The City now agrees to make all reasonable efforts to assist the Contractor in obtaining timely access to City staff and City records for this purpose.

GC9.4.13 is added as follows:

9.4.13 The Contractor will indemnify the City and hold harmless the City from all manner of claims, demands, costs, losses, penalties and proceedings arising out of or in any way related to:

- .1 unpaid WorkSafeBC assessments of the Contractor or any other employer for whom the Contractor is responsible under this Contract;
- .2 the acts or omissions of any person engaged directly or indirectly by the Contractor in the performance of this Contract, or for whom the Contractor is liable pursuant to the Contractor's obligations as the "prime contractor", and which acts or omissions are or are alleged by WorkSafeBC to constitute a breach of the WorkSafeBC Rules or other failure to observe safety rules, regulations and practices of WorkSafeBC, including any and all fines and penalties levied by WorkSafeBC; or
- .3 any breach of the Contractor's obligations under Clause GC9.1.

GC9.4.14 is added as follows:

9.4.14 The Contractor agrees to retain a full-time construction safety officer whenever required by the then-current Vancouver Building By-law. The construction safety officer shall bear written proof of qualification satisfactory to the City of Vancouver's Director of Permits and Licenses.

GC9.5 MOULD

GC9.5.1 is deleted in its entirety and replaced with the following:

- 9.5.1 If the Contractor or the City observes or reasonably suspects the presence of mould at the Place of the Work of the nature and quantity such that special handling and precautions are required under Environmental Law or that otherwise may reasonably present a hazard to the health and safety of persons, the remediation of which has not been separately arranged by the City or is not expressly part of the Work,
- .1 the observing party shall promptly report the circumstances to the other party by Notice in Writing;
 - .2 the Contractor shall promptly take all reasonable steps, including stopping all or such portions of the Work as may be necessary to ensure that no person suffers injury, sickness or death and that no property is damaged as a result of exposure to or the presence of the mould; and
 - .3 if the City and the Contractor do not agree on whether any mould discovered is of the nature and quantity such that special handling and precautions are required under Environmental Law, or whether such mould may otherwise reasonably present a hazard to the health and safety of persons, or with respect to what steps are appropriate to be taken to deal with the mould, or as to the cause of the presence of the mould, the City shall retain an independent qualified expert to investigate and report on the subject of the dispute. Subject to paragraph 9.5.2, the City shall pay for the cost of the expert's investigation and report. The City will provide a copy of the expert's report to the Contractor.

GC9.5.2 is deleted in its entirety and replaced with the following:

- 9.5.2 If the expert's report under paragraph 9.5.1.3 determines that the mould does not require special handling and precautions in compliance with Environmental Law or does not otherwise reasonably present a hazard to the health and safety of persons, the Contractor will pay for the cost of the expert's investigation and report. If the expert's report under paragraph 9.5.1.3 determines that the mould was caused as the result of the acts or omissions of the Contractor or anyone for whom the Contractor is responsible, the Contractor shall promptly, at the Contractor's expense:
- .1 take such steps as are necessary to safely and in compliance with Environmental Law remove, transport and dispose of such mould and to remediate the Place of the Work to such extent as is required to cause the Place of the Work to comply with all applicable Environmental Law;
 - .2 make good any damage to the Work, the City's property and any property affected by the mould as provided in paragraph 9.1.3 of GC9.1 - PROTECTION OF WORK AND PROPERTY;
 - .3 reimburse the City for all resultant costs and expenses reasonably incurred by the City; and
 - .4 indemnify the City as required by GC12.1 - INDEMNIFICATION.

GC9.5.3 is deleted in its entirety and replaced with the following:

**CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 1**

- 9.5.3 If the City and the Contractor agree, or if the expert's report under paragraph 9.5.1.3 concludes, that the presence of mould at the Place of the Work requires special handling or precautions under Environmental Law or otherwise presents a hazard to the health or safety of persons, and that the Contractor or anyone for whom the Contractor is responsible is not responsible for the presence of such mould, the City shall promptly at the City's expense:
- .1 take such steps as are necessary to safely and in compliance with Environmental Law remove, transport and dispose of such mould and to remediate the Place of the Work to such extent as is required to cause the Place of the Work to comply with all applicable Environmental Law;
 - .2 reimburse the Contractor for the cost of taking the steps under paragraph 9.5.1.2 and making good any damage to the Work as provided in paragraph 9.1.4 of GC9.1 - PROTECTION OF WORK AND PROPERTY; and
 - .3 extend the Contract Time for such reasonable time as the Consultant may recommend in consultation with the Contractor and the expert referred to in paragraph 9.5.1.3 and reimburse the Contractor for reasonable costs incurred as a result of the delay.

GC10.1 TAXES AND DUTIES

GC10.1.1 is deleted in its entirety and replaced as follows:

- 10.1.1 The Contractor shall allow for the payment by the Contractor out of the Contract Price of all PST, GST and other federal, provincial and municipal taxes, rates, levies, assessments and duties, both refundable and non-refundable, and all deposits, (temporary crossings, excavations, etc.). The Contractor agrees to indemnify and save harmless at all times the City from and against all claims which may be made with respect thereto.

GC10.1.2 is amended by revising the first line to read:

...due to changes in such included taxes, duties and rebates after the time...

GC10.1.3 is added as follows:

- 10.1.3 Where an exemption or recovery of government sales taxes, customs duties or excise taxes is applicable to the Contract, the Contractor shall submit for the City's review the exemption or recovery application and the supporting invoices of the actual quantities of materials incorporated in the Work prior to applying for the rebate. The City will then issue a certificate verifying the application.

GC10.1.4 is added as follows:

- 10.1.4 Notwithstanding any other provision to the contrary, if the City determines that it is necessary to satisfy its obligations under any Applicable Law relating to taxes, the City may:
- .1 withhold an amount from a payment made to the Contractor hereunder; and
 - .2 pay the withheld amount directly to the competent government authority,

in which case the amount so withheld and paid by the City to the relevant competent government authority shall be deemed to have been paid to the Contractor on the date on which the remainder of the payment to which it relates was paid to the Contractor, and the Contractor agrees and acknowledges that it shall have no claim against the City for such amount withheld and paid to the competent government authority.

GC10.2 LAWS, NOTICES, PERMITS AND FEES

GC10.2.2 is deleted in its entirety and replaced as follows:

10.2.2 The Contractor shall, except as set out below in this GC10.2.2 and unless otherwise specified in the Contract Documents, obtain and maintain all permits, licences, and certificates and pay all fees required for the performance of the Work, and obtain all necessary access and storage rights for areas outside of the Place of the Work (including without limitation and by way of example only, parking for its workers, the swing arc of any construction crane required for the Work, or storage space for materials) but this shall not **[include any development permit (if applicable) or building permit, which have been obtained by the Consultant, paid for by the City, and issued to the City; nor shall it]**include the obligation to obtain easements or other access rights over the actual Place of the Work.

GC10.2.3 deleted in its entirety and replaced as follows:

10.2.3 The Contractor shall be responsible for the procurement of permits, licences, inspections, and certificates, which are necessary for the performance of the Work and customarily obtained by contractors in the jurisdiction of the Place of the Work after the issuance of the building permit. The Contract Price includes the cost of all permits **[(except building and development permits but including occupancy permits)]**, licences, inspections and certificates and their procurement. The Contractor will arrange for all inspections and testing required by such permits. The Contractor shall provide to the Consultant copies of all permits and inspection reports from the various authorities as soon as they are received.

GC10.2.5 is amended by revising the first sentence to read:

10.2.5 The Contractor shall be responsible to provide reasonable verification that the Contract Documents are in compliance...

GC10.4 WORKERS' COMPENSATION

GC10.4 is deleted in its entirety.

GC10.5 LIVING WAGE

GC10.5 is added as follows:

GC10.5 LIVING WAGE

10.5.1 For the purposes of this GC10.5, the following terms shall have the following meanings:

- (a) **“Living Wage”** means the hourly wage established by the Living Wage Certifier from time to time during the Term, which includes: (i) direct wages; and (ii) the value of any non-mandatory benefits such as paid sick leave, employer-paid Medical Services Plan premiums and extended health benefits;

CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 1

- (b) **“Living Wage Certifier”** means the Living Wage for Families Campaign, any successor entity, or, in the event the Living Wage for Families Campaign ceases to carry on operations, such other living wage certification entity designated by the City to the Contractor in writing;
 - (c) **“Living Wage Employee”** means any and all employees of the Contractor and all Subcontractors of the Contractor that perform any part of the Work on a property owned by or leased to the City, including all streets, sidewalks and other public rights of way, for at least one consecutive hour, but excluding Students, volunteers and employees of Social Enterprises;
 - (d) **“Social Enterprise”** means a business that: (i) is owned by a non-profit organization or community services co-operative; (ii) is directly involved in the production and/or selling of goods and services for the combined purpose of generating income and achieving social, cultural, and/or environmental aims; and (iii) has a defined social and/or environmental mandate.
 - (e) **“Student”** means an individual who is enrolled in a school, college, university or other educational institution and is employed by the Contractor or a Subcontractor, as the case may be, to obtain practical workplace experience as a requirement of or credit for their education;
- 10.5.2 Notwithstanding any other provision of any Contract Document but subject to GC 10.5.3, the Contractor shall pay all Living Wage Employees not less than the Living Wage.
- 10.5.3 Notwithstanding GC 10.5.2, the Contractor has up to 6 months from the date on which any increase in the Living Wage is published by the Living Wage Certifier to increase wages for all Living Wage Employees such that all Living Wage Employees continue to be paid not less than the Living Wage.
- 10.5.4 The Contractor shall ensure that the requirements of GC 10.5.2 apply to all Subcontractors.
- 10.5.5 A breach by the Contractor of its obligations pursuant to GC 10.5.2 and 10.5.4 shall be deemed to constitute a failure by the Contractor to comply with the requirements of the Contract to a substantial degree and shall entitle the City to terminate the Contract in accordance with GC 7.1.2.
- 10.5.6 The Contractor shall maintain up-to-date records and accounts which clearly document its satisfaction of the requirements of this GC 10.5 and shall make the same available to the City upon request. The City may request copies of all such records and accounts which shall be provided to the City by the Contractor (subject to reimbursement of the Contractor’s reasonable copying costs and any other direct costs and expenses, if any) at any time prior to the expiry of 365 days after Total Completion of the Work or earlier termination of this Agreement. Any records and accounts provided by the Contractor in accordance with this Section 10.5.5 shall be treated by the City as confidential information.
- 10.5.7 The Contractor shall, at the direction of the City, post signs at Places of Work that are owned by or leased to the City, including all streets, sidewalks and other public rights of way, informing Living Wage Employees of the obligations of the Contractor and Subcontractor pursuant to this GC 10.5 and providing contact information to report any breaches thereof. The City shall supply the Contractor with all such signs and the

**CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 1**

Contractor shall return all such signs upon completion of the Work or otherwise at the request of the City.

10.5.8 The Contractor shall prepare and submit to the City in a format reasonably acceptable to the City before January 31 of each calendar year of the term or, for each partial calendar year of the term, within 30 days of the expiry of the term a living wage report setting out:

- (a) the number of Living Wage Employees of the Contractor and each Subcontractor who were paid a Living Wage pursuant to this Section 3.12 during the previous calendar year or portion thereof that would not have received a Living Wage for substantially similar work but for the obligations of the Contractor pursuant to this GC10.5; and
- (b) the total incremental costs incurred by the Contractor, including any amounts paid to Subcontractors, in order to fulfill its obligations pursuant to this GC10.5 to pay a Living Wage to the Living Wage Employees described in GC10.5.8(a).

GC11.1 INSURANCE

GC11.1 is deleted in its entirety and replaced as follows:

GC11.1 GENERAL INSURANCE REQUIREMENTS

11.1.1 The Contractor and Subcontractors shall be required to file with the City on or prior to the date of this Agreement (or at such later time as they become Subcontractors), "Certificates of Insurance" in the form required by the City, and where required by the City's Director of Risk Management, certified copies of all insurance policies and endorsements evidencing the placement and endorsement of insurance in accordance with this GC11.1 and GC11.2.

11.1.2 The Contractor and Subcontractors shall be required to file evidence of renewal of the insurance policies required under this GC11.1 and GC11.2 with the City at least fifteen (15) calendar days prior to their expiry.

11.1.3 In addition to the specific requirements set out below, all policies of insurance shall:

- .1 be endorsed so as to provide for thirty (30) calendar days' **[NTD: increase to 60 days if anticipated duration of the contract/project exceeds 12 months]** prior notice to the City of cancellation, lapse or material change;
- .2 if they are for property insurance (as opposed to liability) insurance, contain a waiver of subrogation in favour of the City Insurance Group (as defined below) and all employees and agents of the City Insurance Group;
- .3 specifically name the City of Vancouver, the Consultant and their officials, officers, employees, agents and consultants engaged on the Project as additional insureds (collectively referred to as the "City Insurance Group");
- .4 be issued by a company or companies authorized to issue insurance policies in British Columbia; and
- .5 be issued on a policy form acceptable to the City's Director of Risk Management.

- 11.1.4 Unless otherwise specified, insurance shall be continuously maintained from a date not later than the date hereof, through to the date on which both the Certificate of Completion has been issued for the Work and an occupancy permit, if required, has been issued for the Place of the Work.

GC11.2 CONTRACT SECURITY

GC11.2 is deleted in its entirety and replaced with the following:

GC 11.2 SPECIFIC INSURANCE COVERAGE

- 11.2.1 Without restricting the generality of GC12.1 - INDEMNIFICATION, and despite the limits of liability set out in GC12.1 - INDEMNIFICATION, the Contractor and Subcontractors, at their expense, shall retain the following types of insurance:

(a) *Wrap-up Liability Insurance:*

Wrap-up liability insurance protecting the City Insurance Group, the Contractor, and their respective subcontractors, agents and employees against damages arising from personal injury (including death) and claims for property damage which may arise out of the operations of the Contractor, its Subcontractors, or their respective agents or employees in connection with the Work.

The policy shall be placed prior to commencement of the Work and shall specifically cover liability arising out of the performance of this Contract and shall cover all liability assumed by the Contractor under any contract or agreement, including the indemnity provisions of this Contract. The policy shall be maintained continuously throughout the entire term of the contract through to the date on which both the Certificate of Completion has been issued for the Work and an occupancy permit, if required, has been issued for the Place of the Work, and thereafter, in the case of completed operations coverage for a further period of twenty-four (24) months, and the policy shall provide:

1. broad-form property damage and completed operations coverage;
2. personal injury coverage;
3. blanket contractual liability coverage;
5. contingent employer's liability coverage; and
6. non-owned automobile liability coverage,

and where such further risk exists, the following extensions of coverage shall be included:

1. coverage for shoring, blasting, excavating, underpinning, demolition, removal, pile-driving and grading, as applicable;
2. coverage for hoist liability;
3. coverage for operation of attached machinery; and

CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 1

4. contractor's pollution liability coverage, including coverage for asbestos, mould or other hazardous substances.

This insurance shall be for an amount of not less than five million dollars (\$5,000,000) per occurrence, and shall include a standard form of severability of interests and cross-liability clause. The deductible per occurrence shall not exceed ten thousand dollars (\$10,000) and the Contractor shall be liable for all deductible amounts.

(b) *Property & Mechanical and Electrical Breakdown Insurance:*

- (1) All-risks course-of-construction property insurance in the joint names of the Contractor and the City Insurance Group, covering the Work and all property of every description to be used in the performance of the Work. This insurance shall be primary, and be of an amount of not less than the Contract Price. The deductible per occurrence shall not exceed ten thousand dollars (\$10,000); and
- (2) Mechanical and electrical breakdown insurance insuring the interests of the Contractor and the City Insurance Group for not less than the Contract Price.

The following conditions will apply to the property and mechanical and electrical breakdown insurance:

- (A) Where the City wishes to use or occupy part or all of the Work prior to Total Performance of the Work, it shall give written notice to the Contractor pursuant to GC13 - Occupancy and if requested the Contractor shall promptly notify the City in writing of the additional premium cost, if any, to maintain property and boiler insurance, which shall be at the City's expense.
- (B) If, because of such use or occupancy, the Contractor is not requested to or is requested to but is unable to provide coverage, the City upon written notice from the Contractor and prior to such use or occupancy shall provide, maintain and pay for property and mechanical and electrical breakdown insurance insuring the full value of the Work, as in subparagraphs (1) and (2), including coverage for such use or occupancy and shall provide the Contractor with proof of such insurance. The Contractor shall refund to the City the unearned premiums applicable to the Contractor's policies upon termination of coverage.
- (C) The policy shall provide that, in the event of loss or damage, payment shall be made to the City. Loss or damage shall not affect the rights and obligations of either party under the Contract.
- (D) The Contractor shall be entitled to receive from the City, in addition to the amount due under the Contract, the amount at which the City's interest in restoration of the Work has been appraised, such amount to be paid as the restoration of the Work proceeds and in accordance with the requirements of GC5.3 - APPLICATIONS FOR PAYMENT and GC5.4 - PROGRESS PAYMENTS. In addition the Contractor shall be entitled to receive from the payments made by the insurer the amount of the Contractor's interest in the restoration of the Work.

CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 1

- (E) The Contractor shall be responsible for payment of all deductible amounts.
- (F) In the event of loss or damage to the Work arising from the work or act of the City or another Contractor, then the City shall pay the Contractor the cost of restoring the Work as the restoration of the Work proceeds and in accordance with the requirements of GC5.3 - APPLICATIONS FOR PAYMENT and GC5.4 - PROGRESS PAYMENTS.
- (c) *All-Risk Contractor's Equipment Insurance* covering all equipment owned or rented by the Contractor and its agents or employees against all risks of loss or damage with coverage sufficient to allow for immediate replacement.
- (d) *Automobile Liability Insurance* to be carried at all times on all licensed vehicles owned by or leased to the Contractor, protecting against damages arising from bodily injury (including death), and from claims for property damage arising from the operations of the Contractor, its agents or employees. This insurance shall be for a minimum amount of five million dollars (\$5,000,000) inclusive per accident.

Where, in the City's opinion, pertinent risk exists, the Contractor is also required to carry the following coverage:

- (e) *Hull & Machinery Insurance* in the amount not less than the full value of the vessel, barge or equipment with a deductible of no more than ten thousand dollars (\$10,000) protecting the Contractor and its Subcontractors from all claims for loss or damage to any vessel, barge or equipment arising out of ownership or operation of the Contractor or its Subcontractors.
- (f) *Protection & Indemnity Insurance* including City's legal liability insurance to cover all claims for bodily injury including death, property damage or loss arising out of the activities conducted by the Contractor, any Subcontractor, or their respective employees or agents in an amount no less than five million dollars (\$5,000,000) per occurrence and a deductible of not more than ten thousand dollars (\$10,000).

11.2.2 If the Contractor or a Subcontractor fails to provide evidence of the required insurance under this GC11 as and when required by the Contract Documents, then the City shall have the right to obtain the insurance and then give evidence of the same to the Contractor and Consultant, and the cost of doing so will then be payable by the Contractor to the City or at the City's option may be deducted from the Contract Price by Change Directive.

GC12.1 INDEMNIFICATION

GC12.1.1 is deleted in its entirety and replaced as follows:

12.1.1 The Contractor now indemnifies and shall defend, indemnify and hold harmless the City, the Consultant, the project manager and their respective directors, officers, employees, agents, consultants or advisors (collectively, the "Indemnitees") from and against all claims, demands, losses, costs, damages, actions, suits or proceedings ("Liability"), whether founded in equity or at law including contract, tort or statute and howsoever caused, arising from or in any way connected with (A) any wrongful or negligent act, error or omission of, or defective goods supplied by, the Contractor, Subcontractors, Suppliers or their respective employees or agents

**CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 1**

when attending the Place of the Work or in the performance of the Work, in each case whether or not any one or more of the Indemnitees are contributorily negligent, and (B) any claim made under the Lien Act by a Subcontractor, or a "subcontractor" as defined in the Lien Act. Expressly excluded from this indemnity is any Liability caused solely and directly by the wrongful act or negligence of an Indemnitee.

GC12.1.2 is deleted in its entirety and replaced as follows:

- 12.1.2 The obligation of the Contractor to indemnify the Indemnitees shall be limited to the greater of the Contract Price or five million dollars (\$5,000,000) but in no event shall the sum be greater than twenty million dollars (\$20,000,000). However, despite any other term of this Contract, in no event will this limitation apply in any way to reduce or limit the indemnity or recovery by either party under any insurance policy or bond required by the Contract Documents and in no event will this limit apply to the Contractor's or the City's obligations to indemnify under GC9.2 - TOXIC AND HAZARDOUS SUBSTANCES, GC9.4 CONSTRUCTION SAFETY & WORKSAFE BC RULES, GC9.5 -MOULD and GC10.3 - PATENT FEES.

GC12.1.3 is deleted in its entirety and replaced as follows:

- 12.1.3 The obligation of the Contractor to indemnify the Indemnitees hereunder shall be inclusive of interest and all legal costs.

GC12.1.4 is deleted in its entirety and replaced as follows:

- 12.1.4 The City and the Contractor shall indemnify and hold harmless the other from and against all claims, demands, losses, costs, damages, actions, suits, or proceedings arising out of their obligations described in GC9.2 - TOXIC AND HAZARDOUS SUBSTANCES, GC9.4 CONSTRUCTION SAFETY & WORKSAFE BC RULES, GC9.5 -MOULD and GC10.3 - PATENT FEES

GC12.1.5 is deleted in its entirety.

GC12.1.6 is deleted in its entirety and replaced as follows:

- 12.1.6 In respect of any claim for indemnity or to be held harmless by the City or the Contractor, Notice in Writing of such claim shall be given within a reasonable time after the facts upon which such claim is based became known;

GC12.1.7 is added as follows:

- 12.1.7 In the event of any Liability being alleged against or claimed from an Indemnitee in respect of which an indemnity is required to be provided by the Contractor pursuant to GC12.1.1, the following provisions shall apply:
- (a) subject to GC12.1.7(b), GC12.1.7(c) and GC12.1.7(d), where it appears that the Indemnitee is or may be entitled to indemnification from the Contractor in respect of all (but not part only) of the liability arising out of a claim, such person entitled to indemnification may at its sole election and subject to:
 - (i) approval by any relevant insurers (without prejudice to GC12.1.7(e); and
 - (ii) the Contractor providing the Indemnitee with a secured indemnity to its reasonable satisfaction against all costs and expenses (including legal expenses) that it may incur by reason of such action,

CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 1

permit or require the Contractor to dispute the claim on behalf of the Indemnatee at the Contractor's own expense and take conduct of any defence, dispute, compromise, or appeal of the claim and of any incidental negotiations; provided that the Indemnatee shall give the Contractor (provided at the Contractor's cost) all reasonable cooperation, access and assistance for the purposes of considering and resisting such claim;

- (b) with respect to any claim conducted by the Contractor pursuant to GC12.1.7(a)
 - (i) the Contractor shall keep the Indemnatee fully informed and consult with it about material elements of the conduct of the claim;
 - (ii) the Contractor shall not bring the name of the Indemnatee into disrepute; and
 - (iii) the Contractor shall not pay or settle such claims without the prior consent of the Indemnatee, such consent not to be unreasonably withheld or delayed;
- (c) a Indemnatee shall be free to pay or settle any claim on such terms as it thinks fit (and without prejudice to its rights and remedies under the Contract Documents) if:
 - (i) the Contractor is not entitled to, or is not permitted or instructed, take conduct of the claim in accordance with GC12.1.7(a); or
 - (ii) the Contractor fails to comply in any material respect with the provisions of GC12.1.7(e) or GC12.1.7(b);
- (d) the Indemnatee entitled to indemnification pursuant to GC12.1.1 shall be free at any time to give notice to the Contractor that it is retaining or taking over (as the case may be) the conduct of any defence, dispute, compromise or appeal of any claim (or of any incidental negotiations) to which GC12.1.7(a) applies. On receipt of such notice the Contractor shall promptly take all steps necessary to transfer the conduct of such claim to the Indemnatee, and shall provide to the Indemnatee all reasonable co-operation, access and assistance for the purposes of considering and resisting such claim; and
- (e) the Contractor shall inform the Indemnatee of the requirements of any insurer who may have an obligation to provide an indemnity in respect of any liability arising under this Agreement and in relation to such the Indemnatee shall issue instructions accordingly.

GC12.2 WAIVER OF CLAIMS

GC12.2.1 is deleted in its entirety and replaced as follows:

12.2.1. *Waiver of Claims by City:* As of the date of the Final Certificate for Payment, the City expressly waives and releases the Contractor from all claims against the Contractor including without limitation those that might arise from the negligence or breach of Contract by the Contractor except one or more of the following:

- .1 those made in writing prior to the date of the Final Certificate for Payment and still unsettled;

**CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 1**

- .2 those arising from the provisions of GC12.1 - INDEMNIFICATION or GC12.3 - WARRANTY;
- .3 those arising from the provisions of GC9.2 - TOXIC AND HAZARDOUS SUBSTANCES, GC9.4 CONSTRUCTION SAFETY & WORKSAFE BC RULES, GC9.5 -MOULD and GC10.3 - PATENT FEES and those arising from the Contractor bringing or introducing any toxic or hazardous substances and materials to the Place of the Work after the Contractor commences the Work; and
- .4 those arising from the Contractor's actions, errors, omissions or negligence which result in delays or substantial defects or deficiencies in the Work. "Substantial defects or deficiencies" means those defects or deficiencies in the Work which affect the Work to such an extent or in such a manner that all or any part of the Work is unfit for the purpose intended by the Contract Documents.

GC12.2.2 is deleted in its entirety and replaced as follows:

12.2.2 *Waiver of Claims by Contractor:* As of the date of the Final Certificate for Payment, the Contractor expressly waives and releases the City from all claims against the City including without limitation those that might arise from the negligence or breach of Contract by the City except:

- .1 those made in writing prior to the Contractor's application for Final Payment and still unsettled; and
- .2 those arising from the provisions of GC9.2 - TOXIC AND HAZARDOUS SUBSTANCES or GC10.3 - PATENT FEES.

GC12.2.3 is deleted in its entirety and replaced as follows:

12.2.3 GC12.2 - WAIVER OF CLAIMS shall take precedence over the provisions of paragraph 1.3.1 of GC1.3 - RIGHTS AND REMEDIES.

GC 12.2.4 is deleted in its entirety and replaced as follows:

12.2.4 The City waives and releases the Contractor from all claims referred to in paragraph 12.2.1.4 except claims for which Notice in Writing of claim has been received by the Contractor from the City within a period of six (6) years from the date of Substantial Performance of the Work.

GC12.2.5 is deleted in its entirety.

GC12.2.6 is deleted in its entirety.

GC12.2.7 is deleted in its entirety.

GC12.2.8 is deleted in its entirety.

GC12.2.9 is deleted in its entirety.

GC12.2.10 is deleted in its entirety.

GC12.3 WARRANTY

GC12.3.1 is deleted in its entirety and replaced as follows:

12.3.1 The Contractor shall perform the Work in a good and workmanlike manner.

GC12.3.2 is deleted in its entirety and replaced as follows:

12.3.2 The Contractor now warrants that the Work (and all Products) will be free from all defects arising from faulty construction, manufacturing, installation, materials, equipment or workmanship in any part of the Work (or Products) for a period of one (1) year commencing on the issuance of the Certificate of Completion for the Work, and with respect to any Work or Products warranted by a Subcontractor or Supplier for a period of longer than one (1) year after the issuance of the Certificate of Completion, the Contractor now warrants that it has fully and effectively assigned such warranty to the City and that the City may enforce the same to the same extent and in the same manner as if the warranty had been issued directly to the City by that Subcontractor or Supplier.

GC12.3.3 is deleted in its entirety and replaced as follows:

12.3.3 For the purposes of this GC12.3, the phrase, “defects arising from faulty construction, manufacturing, installation, materials, equipment or workmanship in any part of the Work (or Products)”

- (a) expressly excludes any and all defects arising from or contributed to by the acts or omissions of the Consultant in the design and specification of the Work as set out in the Drawings, Specifications, or other written instructions or directives issued by the Consultant under this Contract, but only to the extent of the Consultant’s defective design or specification, and
- (b) expressly includes all defects or deficiencies that arise even if the Work is carried out in a good and workmanlike manner.

GC12.3.4 is deleted in its entirety and replaced as follows:

12.3.4 During the warranty period, the Contractor will promptly repair and correct all defects at no cost to the City. If the Contractor fails to repair or correct any defect during the warranty period within ten (10) calendar days of written notice of its existence, the City may but is not obligated to make the repairs or corrections itself and the actual out-of-pocket costs of such repairs or corrections made by the City will be payable by the Contractor to the City within seven (7) calendar days of receiving an invoice from the City for same. In the event of an emergency where, in the opinion of the City, delay could cause serious loss or damage, or inconvenience to the public, the repairs or corrections may be made without prior notice being sent to the Contractor.

GC12.3.5 is deleted in its entirety and replaced as follows:

12.3.5 Where, pursuant to GC13.1 - Occupancy, the City commences the use of the Work and Products for their intended purposes prior to the issuance of the Certificate of Completion for the Work, the warranty period will be deemed to commence from the issuance date despite such prior use.

GC12.3.6 is deleted in its entirety and replaced as follows:

12.3.6 Issuance of the Certificate of Total Performance of the Work will not extinguish any of the Contractor’s obligations under this Contract and the Contractor will remain liable to perform and complete all Work and carry out all obligations required under this Contract

GC13.1 OCCUPANCY

GC13.1 is added as follows:

GC13.1 OCCUPANCY

- 13.1.1 The City reserves the right to take possession of and use any completed or partially completed portion of the Work, regardless of the time of completion of the Work, providing it does not interfere with the Contractor's Work, as determined by the Consultant.
- 13.1.2 Such taking possession or use of such Work or part thereof as described in GC13.1.1 shall not be construed as final acceptance of the Work or any part thereof, or an acknowledgement of fulfillment of the Contract.

END OF SUPPLEMENTARY GENERAL CONDITIONS

SCHEDULE 2
LIST OF SPECIFICATIONS AND DRAWINGS

The following is the list of Specifications and Drawings referred to in Article A-3:

[To be added.]

All are incorporated by reference in the form made available by the City via [Describe means] on [Date].

SCHEDULE 3
SCHEDULE OF PRICES

[Complete when the Contract is finalized.]

CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 4

**SCHEDULE 4
SUBCONTRACTORS AND SUPPLIERS**

The following are Subcontractors that the Contractor will use for the Work:

Subcontractor	Address	Division/Section Of Work
[To be completed.]		

The following are Suppliers that the Contractor will use for the Work:

Supplier	Manufacturer	Address	Item
[To be completed.]			

SCHEDULE 5
PROJECT SCHEDULE

[Insert the construction schedule provided, as accepted by the City.]

SCHEDULE 6
PERFORMANCE AND LABOUR AND MATERIAL PAYMENT BONDS

Deliberately Omitted

SCHEDULE 7
INSURANCE CERTIFICATES

[Attach copies of insurance certificates for the project provided.]

(see attached)

SCHEDULE 8
CITY PRE-CONTRACT HAZARD ASSESSMENT FORM

[Replace with completed form.]

Contract Title _____

Project Manager (City employee) _____

Contract Name and No. (if known) _____

PURPOSE

This document shall be completed by the City's designated project manager, who shall list all the known worksite hazards and all the **existing** work process hazards associated with the upcoming contract. The completed document shall then be provided to all potential contractors, as part of **[complete]**, so the project can be bid appropriately based on the known worksite hazards.

DEFINITIONS

"Project Manager" means the City employee designated to be the liaison with the contractor for the purpose of managing, overseeing, coordinating or in any other way administering the contract.

INSTRUCTIONS FOR COMPLETION

The document must be completed in full. Choices for each entry are:

Yes (Y) the known worksite hazard or existing work process hazard does exist

No (N) the known worksite hazard or existing work process hazard does not exist*, or, a third party (environmental consultant) will address the issue (usually for a hazardous materials assessment)

* based on reasonable estimation from all input by persons with expertise or relevant knowledge and understanding

Not Applicable (NA) the worksite hazard or existing work process is not applicable for this contract type

INFORMATION FROM HAZARDOUS MATERIALS ASSESSMENTS PROVIDED BY A THIRD PARTY

A hazardous materials assessment may be completed prior to the Project Manager completing the City's List of Known Workplace Hazards. Any such assessment should be referenced by the Project Manager in this document and provided with **[complete]**. Hazardous materials may include asbestos, lead, crystalline silica, ammonia, PCBs, CFCs, moulds, mercury, ozone depleting substances (ODSs), radioactive substances.

ASSISTANCE IN COMPLETING THIS DOCUMENT

If you have questions while completing this document, or are unsure if the listed hazards apply, please seek assistance from Health and Safety (604.871.6078 or healthandsafety@vancouver.ca).

**CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 8**

Hazard or Issue	Project Manager		
	Yes (Y), No (N) or Not Applicable (NA)		
1. Asbestos-containing Materials. Disturbance or penetrations of flooring, walls, ceiling tiles, pipe lagging, ac pipe, transite siding, particularly in older facilities; e.g., furniture/fixture installation, carpeting/flooring services and boiler repair/tune-up services			
(a) Asbestos containing materials (ACM) will be encountered	Y	N	NA
(b) A hazardous materials assessment for asbestos is provided in [complete]	Y	N	NA
(c) A hazardous materials assessment for asbestos is the responsibility of the contractor	Y	N	NA
2. Lead-containing Materials. Disturbance of lead-based paint, particularly in older facilities. Also present in certain electrical circuitry and metal alloys; e.g., overhead bridge crane maintenance/repair, high-voltage cable splicing services, boiler repair/tune-up services, fixture installation services, and chiller maintenance/repair services			
(a) Inorganic lead-containing materials may be encountered	Y	N	NA
(b) A hazardous materials assessment for lead is provided in [complete]	Y	N	NA
(c) A hazardous materials assessment for lead is the responsibility of the contractor	Y	N	NA
3. Other hazardous materials. May include ammonia, pcb's, cfc's, moulds, mercury, ozone depleting substances (ods), radioactive substances, sewage, unknown contaminated materials, other (list other here) _____ _____ _____			
(a) A hazardous materials assessment for ammonia is provided in [complete]	Y	N	NA
(b) a hazardous materials assessment for (list the specific hazardous material) will be provided in [complete] ;	Y	N	NA
(c) a hazardous materials assessment for (list the specific hazardous materials) will be the contractors responsibility	Y	N	NA
4. Confined Spaces. Working in vaults, chambers, pits, tanks, etc.; e.g., construction, inspection and testing services, water/fuel storage tank clean-out services, and utility corrosion inspection services:			
(a) a hazard assessment (for entry and inspection only) from the City of Vancouver is provided in [complete] ;	Y	N	NA
(b) the City of Vancouver shall provide procedures to isolate adjacent piping, or to lock out equipment (complicated systems only);	Y	N	NA
(c) the contractor shall be responsible for isolation and lockout procedures.	Y	N	NA

**CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 8**

Hazard or Issue	Project Manager		
	Yes (Y), No (N) or Not Applicable (NA)		
5. Lock Out. Industrial equipment maintenance, power machinery repair services, pump maintenance/repair services, mechanical refrigeration systems, elevator repair, overhead bridge crane maintenance/repair services, cathodic protection services, hydraulic test systems repair/service, and air compressor rebuilding services:			
(a) lockout will be required to isolate or prevent the unexpected release of energy (electrical, mechanical, hydraulic, chemical, thermal, kinetic, gravitational, pneumatic);	Y	N	NA
(b) work will be performed on or near energized equipment, lines, or circuits	Y	N	NA
If yes to (a) or (b) describe: _____ _____ _____			
6. Fall Protection. Tree pruning, window and ledge cleaning, window replacement, overhead bridge crane maintenance/repair services, roll-up door replacement, tent installation, awning/canopy installation, overhead air exchange installation, construction inspection and testing services			
(a) Workers will be exposed to a potential fall in excess of 3 m (10 feet), or to a fall of less than 3 m which would likely result in a serious injury (ex. impalement on rebar)	Y	N	NA
(b) Scaffolding or ladders will be required to be secured to a building or structure	Y	N	NA
7. Overhead and Underground Utilities. Tree pruning services, tree removal, utility relocation or replacement, underground utility identification (digging with powered equipment), concrete sawing services, pole painting			
(a) There will be electrical hazards associated with overhead power lines such as limits of approach and contact	Y	N	NA
(b) Necessary assurances (in writing) have (or will be) obtained by the City, through the utility company, for any work where minimum limits of approach cannot be maintained (provide documentation and review at pre job meeting with the successful contractor candidate)	Y	N	NA
(c) Necessary assurances must be obtained (in writing) by the successful contractor, through the utility company, for any work where minimum limits of approach will not be able to be maintained	Y	N	NA
(d) Underground or hidden utilities are located on the job site and any excavation or drilling work in proximity to an underground utility service must be undertaken in conformity with the requirements of the owner of that utility service	Y	N	NA

**CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 8**

Hazard or Issue	Project Manager
	<i>Yes (Y), No (N) or Not Applicable (NA)</i>
If yes to (c), and the specific physical locations where minimum limits of approach will not be able to be maintained are known, how will this information be provided to the contractor? _____ _____ _____	
8. Construction, Excavation, Shoring and Demolition	
(a) As “prime contractor”, the City of Vancouver project manager will submit the Notice of Project	Y N NA
(b) Workers will be required to enter an excavation over 1.2m (4 ft) in depth	Y N NA
9. Chemicals, Solvents, Fumes, Vapours, And/Or Dusts (existing work processes or known worksite hazard only) - ice rinks, swimming pools, cleaning solvents, adhesives, paints, coatings, binders; e.g., storage tank clean-out services, countertop installation (epoxies), and flooring	
(a) The worksite has chemicals solvents, fumes, vapours or dusts that may affect the contractor	Y N NA
(b) Material Safety Data Sheets for chemicals currently in use at the worksite will be available, on request, to the contractor	Y N NA
If yes to (a), list the work processes and/or chemicals in use: _____ _____ _____	
10. Noise (existing work processes only)	
Employees will be exposed to noise levels above 85dba	Y N NA

OTHER HAZARDS (NOT IDENTIFIED ABOVE)
(a) _____ _____
(b) _____ _____
(c) _____ _____

KNOWN WORKPLACE HAZARDS LIST COMPLETED BY
--

CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 8

Project Manager Name (print):	
Project Manager Signature:	Date:
Title:	Phone:

SAMPLE

CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 9

SCHEDULE 9
CONTRACTOR PRE-CONTRACT HAZARD ASSESSMENT FORM

[Completed form to be attached to the finalized agreement.]

Contract Title _____

Project Manager (City Employee) _____

Contractor Representative _____

Contract Name and No. _____

PURPOSE

This document shall be completed by the contractor awarded the contract, who shall identify all the **known and potential work process hazards** associated with the contract. The contractor, who is responsible for all identified actions, shall provide a completed Pre-Contract Hazard Assessment Form to the Project Manager (City employee) for review and consultation before the contract work begins.

REFERENCE MATERIAL

In order to complete this document, the contractor should refer to a completed copy of any "List of Known Workplace Hazards," provided with **[complete]**. The contractor is also responsible to refer to any "Hazardous Materials Assessments," provided by the City with **[complete]**, and possibly referred to in such a "List of Known Workplace Hazards."

INSTRUCTIONS FOR COMPLETION

The document must be completed in full. Choices for each entry are:

Yes (Y) this work process or worksite hazard will exist for this contract and is the responsibility of the contractor

No (N) even though the work process or worksite hazard will exist, it will not be the responsibility of the contractor

Not Applicable (NA) the work process or worksite hazard is not applicable for this contract

Each grouping of safety hazards or issues in this document (bold text, capitalized) may list some examples of work tasks where the relevant hazard may be encountered. These examples are not conclusive; there may be other examples of work tasks that create such a hazard or issue.

DOCUMENTATION AND TRAINING REQUIREMENTS

During the contract term, the contractor may be requested by the City of Vancouver, and shall provide documented evidence for items identified with a **(D)** in this document.

The summary table at the end of the document provides all potentially required documentation, and if applicable, the WCB OHS Regulation reference.

CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 9

For any identified hazard marked with a (T), the contractor is responsible to train its employees.

HAZARDOUS MATERIALS

The contractor is responsible for providing additional information on hazardous materials which may be encountered as part of the work process, yet not identified in the List of Known Workplace Hazards.

Hazard or Issue	Project Manager		
	Yes (Y), No (N) or Not Applicable (NA)		
1. Asbestos-containing Materials. Disturbance or penetrations of flooring, walls, ceiling tiles, pipe lagging, ac pipe, transite siding, particularly in older facilities; e.g., furniture/fixture installation, carpeting/flooring services, and boiler repair/tune-up services			
(a) We have reviewed the hazardous materials assessment for asbestos provided by the City of Vancouver (or third party) in [complete]	Y	N	NA
(b) We will provide a written hazardous materials assessment for asbestos	Y	N	NA
(c) We have a written Asbestos Program (D)	Y	N	NA
(d) As "prime contractor", we will submit a Notice of Project Asbestos(NOP-A) to WorkSafeBC at least 24 hours in advance of the project start-up	Y	N	NA
2. Lead-containing Materials. Disturbance of lead-based paint, particularly in older facilities. Also present in certain electrical circuitry and metal alloys; .e.g., overhead bridge crane maintenance/repair, high-voltage cable splicing services, boiler repair/tune-up services, fixture installation services, and chiller maintenance/repair services			
(a) We have reviewed the hazardous materials assessment for lead provided by the City of Vancouver (or third party) in [complete]	Y	N	NA
(b) We will provide a written hazardous materials assessment for lead	Y	N	NA
(c) We have a written exposure control program for Lead (D)	Y	N	NA
3. Other Hazardous Materials. May include pcb's, cfc's, moulds, mercury, ozone depleting substances (ods), radioactive substances, sewage and unidentified contaminated hazardous materials, other: (list other here) _____ _____ _____			
(a) We have reviewed the hazardous materials assessment for (insert hazardous material type here) provided by the City of Vancouver, or a third party, in [complete]	Y	N	NA
(b) We have reviewed the hazardous materials assessment for (insert hazardous material type here) provided by the City of Vancouver, or a third party, in [complete]	Y	N	NA

**CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 9**

Hazard or Issue	Project Manager		
	<i>Yes (Y), No (N) or Not Applicable (NA)</i>		
(c) We will provide a hazardous materials assessment for (insert hazardous material type here)	Y	N	NA
(d) We will provide a hazardous materials assessment for (insert hazardous material type here)	Y	N	NA
4. Confined Spaces. Working in vaults, chambers, pits, tanks, etc.; e.g., construction, inspection and testing services, water/fuel storage tank clean-out services, and utility corrosion inspection services.			
(a) We have reviewed the confined space hazard assessment provided by the City of Vancouver in [complete]	Y	N	NA
(b) We have a written confined space entry program (D)	Y	N	NA
(c) Our employees have received confined space training (T)	Y	N	NA
(d) We shall complete a confined space hazard assessment specific to the work to be performed (D)	Y	N	NA
(e) We shall develop site specific written safe operating procedures (including evacuation and rescue components) prior to starting work (D)	Y	N	NA
(f) We shall identify and record isolation points (D)	Y	N	NA
(g) We will develop alternate procedures (as per WCB OHS Regulation # 9.22) to be used to isolate adjacent piping containing harmful substances (D)	Y	N	NA
(h) We will provide for the services of rescue persons	Y	N	NA
If yes to (g), provide brief description: _____ _____ _____			
5. Lock Out. Industrial equipment maintenance, power machinery repair services, pump maintenance/repair services, mechanical refrigeration systems, elevator repair, overhead bridge crane maintenance/repair services, cathodic protection services, hydraulic test systems repair/service, and air compressor rebuilding services			
(a) We will be required to lock out in order to isolate or prevent the unexpected release of energy (electrical, mechanical, hydraulic, chemical, thermal, kinetic, gravitational, pneumatic)	Y	N	NA
(b) We will perform work on, or near, energized equipment, lines or circuits	Y	N	NA

CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 9

Hazard or Issue	Project Manager		
	<i>Yes (Y), No (N) or Not Applicable (NA)</i>		
<p>Note: If yes to (a) or (b) above, no work may be performed until reviewed by City of Vancouver project manager or project manager designate.</p> <p>If yes to (a) or (b) describe:</p> <hr/> <hr/> <hr/>			
<p>6A. Fall Protection. Tree pruning, window and ledge cleaning, window replacement, overhead bridge crane maintenance/repair services, roll-up door replacement, tent installation, awning/canopy installation, overhead air exchange installation, construction inspection and testing services.</p>			
<p>(a) Our employees will be exposed to a potential fall in excess of 3 m (10 feet), or to a fall of less than 3 m which would likely result in a serious injury (ex. impalement on rebar)</p>	Y	N	NA
<p>(b) We will produce a written Fall Protection Plan for work that will occur more than 25 feet above grade, or, if written procedures (control zone) are to be used as the means of fall protection (D)</p>	Y	N	NA
<p>(c) Our employees who will be required to use fall protection have received training (T)</p>	Y	N	NA
<p>If yes to (a), describe:</p> <hr/> <hr/> <hr/>			
<p>6B. Scaffolding and Ladders. Window replacement or cleaning, tree pruning, roll-up door replacement, tent installation, and awning/canopy installation</p>			
<p>(a) Our employees will use scaffolding or ladders for access to the work</p>	Y	N	NA
<p>(b) The scaffolding or ladders will be exposed to wet and/or slippery conditions</p>	Y	N	NA
<p>(c) We will ensure scaffolding or ladders are secured before accessing the worksite</p>	Y	N	NA
<p>(d) Scaffolding will be erected and dismantled only by qualified workers</p>	Y	N	NA
<p>7. Overhead Power Lines and Underground Utilities. Tree pruning services, tree removal, utility relocation or replacement, underground utility identification services, concrete sawing services, pole painting</p>			
<p>(a) There are electrical hazards associated with overhead power lines such as limits of approach and contact</p>	Y	N	NA
<p>(b) We will obtain necessary assurances, in writing, through the utility company, for any work where minimum limits of approach cannot be maintained</p>	Y	N	NA

**CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 9**

Hazard or Issue	Project Manager		
	<i>Yes (Y), No (N) or Not Applicable (NA)</i>		
(c) Underground or hidden utilities may be on the job site and we shall contact the Project Manager and BC OneCall at least four business days prior to the start of any excavation work	Y	N	NA
(d) In the event of an inadvertent utility strike, we will have a written procedure for immediate notification of both the utility company and WorkSafeBC (D)	Y	N	NA
8. Construction, Excavation, shoring and Demolition			
(a) As “prime contractor”, we will submit a Notice of Project (NOP) to WorkSafeBC at least 24 hours in advance of the project start-up date	Y	N	NA
(b) Workers may be required to enter an excavation over 1.2m (4 ft) in depth	Y	N	NA
(c) We will develop site specific written safe operating procedures, including evacuation and rescue components, prior to starting any excavation work (D)	Y	N	NA
(d) Shoring will be installed in accordance with Part 20 of the WorkSafeBC OH&S Regulation	Y	N	NA
(e) We will provide safe means of entry and exit for excavations	Y	N	NA
(f) We will provide for the services of rescue persons and equipment (excavation rescue)	Y	N	NA
(g) We will develop a demolition/salvage plan (D)	Y	N	NA
(h) We will evaluate the demolition materials for reuse or recycling	Y	N	NA
(i) We will protect passers-by from potential hazards	Y	N	NA
9. Chemicals, Solvents, Fumes, Vapours and Dusts. Cleaning solvents, adhesives, paints, coatings, binders; e.g., storage tank clean-out services, countertop installation (epoxies), and flooring			
(a) We will complete a hazard assessment for chemicals we will use in our work, and if chemicals already exist at the workplace, our assessment will identify possible results of any reactions between our chemicals and those of the City's operations	Y	N	NA
10. Noise and Vibration. Includes installations and heavy equipment operation. Noise examples for 85 - 90 dbA (at noise source) include forklift, smoke alarm, table saw. Whole body vibration examples include truck or equipment operator and jackhammer operation			
(a) Our employees will be exposed to noise levels above 85dbA	Y	N	NA
(b) We have a written hearing conservation program (D)	Y	N	NA
(c) Our employees will be exposed to excessive levels of whole body vibration (WBV)	Y	N	NA
11. Occupational Health and Safety Program			

**CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 9**

Hazard or Issue	Project Manager		
	<i>Yes (Y), No (N) or Not Applicable (NA)</i>		
(a) We have a written Safety Program (D)	Y	N	NA
(b) We will make regular inspections of all workplaces	Y	N	NA
(c) We will immediately investigate any reported unsafe conditions and correct as required	Y	N	NA
(d) We will investigate all incidents and provide written incident reports to the Project Manager	Y	N	NA
(e) We will develop a written plan (D) identifying how risk to the public and workers will be minimized (may include the use of barriers and safe entry/exit points from the worksite)	Y	N	NA
12. First Aid			
(a) First aid equipment, supplies, facilities and services will be readily accessible during working hours	Y	N	NA
(b) We will complete a first aid assessment (D)	Y	N	NA
(c) We will post site drawings and signs indicating the location of, and how to summon, first aid	Y	N	NA
(d) We will develop an effective means of communication between the first aid attendant and the work areas	Y	N	NA
13. Fire Protection. Solvents, fuels, soldering, torch cutting, or heating devices; e.g., gasoline and diesel fuel delivery services, flooring services, fire suppression service, and water pipe repair services			
(a) We will weld, solder, or cut with a torch	Y	N	NA
(b) We will use or store flammable/combustible liquids	Y	N	NA
(c) We will use temporary heating devices	Y	N	NA
(d) We will provide water and/or fire extinguishers on the job site	Y	N	NA
14. Personal Protective Equipment (PPE)			
(a) We will ensure our workers have appropriate personal protective clothing and equipment (e.g., safety footwear, hi-vis vests, hardhats, eye protection, face protection, hearing protection, chemical gloves/clothing)	Y	N	NA
(b) We have a written PPE program (D)	Y	N	NA
15. Respiratory Protection			
(a) The work will involve materials or processes requiring respiratory protection	Y	N	NA
(b) We have a written respiratory protection program (D)	Y	N	NA

**CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 9**

Hazard or Issue	Project Manager		
	<i>Yes (Y), No (N) or Not Applicable (NA)</i>		
16. Tools Machinery and Equipment			
(a) We will use powder-actuated tools.	Y	N	NA
(b) Our employees who operate equipment have been trained and are qualified in use of that equipment. (T)	Y	N	NA
If yes to (a), describe: _____ _____ _____			
17. Cranes, Forklifts, and Manlifts. Heavy or oversized goods delivery, tree pruning, overhead bridge crane maintenance/repair, and roll-up door replacement			
(a) We will use a crane, forklift, manlift or other lifting equipment	Y	N	NA
(b) Our lifting and rigging equipment is certified where applicable, and inspected on a regular basis	Y	N	NA
(c) Our operators shall have a valid operators certificate (mobile crane or tower crane) or have received training (boom lift, scissor lift or forklift) (T)	Y	N	NA
(d) Only lifting attachments approved for use by the forklift manufacturer will be used	Y	N	NA
18. Rigging			
(a) We will lift or sling loads overhead	Y	N	NA
(b) We will inspect ropes, hooks and slings before use on each shift	Y	N	NA
19. Motor Vehicles and Heavy Equipment. Goods delivery, personnel transportation services, trailer relocation services, oil/water pump-out and recycling services, asphalt grinding and asphalt sealing services, weed/brush abatement and mowing services, landscape hydro-seed services, tree stump grinding, and concrete sawing and removal			
(a) We will use motor vehicles or heavy equipment at the work location	Y	N	NA
(b) All operators have a valid provincial driver's license	Y	N	NA
(c) We will inspect vehicles, including safety features (e.g., ROPS)	Y	N	NA
20. Traffic Control			
(a) There will be uncontrolled movement of vehicular traffic at the worksite	Y	N	NA
(b) We will develop a written traffic control plan (D)	Y	N	NA
(c) We will put in place any required traffic control devices	Y	N	NA

**CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 9**

Hazard or Issue	Project Manager		
	<i>Yes (Y), No (N) or Not Applicable (NA)</i>		
(e) The traffic control devices conform to the Ministry of Transportation and Infrastructure (MoTI) "Traffic Control Manual for Work on Roadways"	Y	N	NA
We will provide Traffic Control Persons (TCP's) as required by law	Y	N	NA
21. Crystalline Silica Dust			
(a) Our work will involve jackhammering, rotohammering, drilling, grinding or other disturbance of concrete or stone, creating potential exposure to silica dust	Y	N	NA
22. Additional Concerns			
We foresee additional health and safety concerns associated with the work	Y	N	NA
If yes, describe:			
(a) _____			
(b) _____			
(c) _____			
(d) _____			
(e) _____			
(f) _____			
Describe the control measures each of the concerns listed above:			
(a) _____			
(b) _____			
(c) _____			
(d) _____			
(e) _____			
(f) _____			

PRE CONTRACT HAZARD ASSESSMENT COMPLETED BY	
Contractor's Representative Name (print):	
Contractor's Representative Signature:	Date:
Title:	Phone:

CONTRACTOR'S DESIGNATE RESPONSIBLE FOR ONSITE SAFETY	
Name (print):	
Title:	Phone:

**CONTRACTOR FOR TSBC 2021 SAFETY ORDER COMPLIANCE UPGRADES TO
AMMONIA ICE RINK PLANTS
SCHEDULE 9**

	<i>Yes (Y), No (N) or Not Applicable (NA)</i>
Summary of Documentation (D) to be Provided by the Contractor upon request by the City of Vancouver (documentation required as per Workers Compensation Board Occupational Health and Safety (WCB OHS) Regulation, the Workers' Compensation Act (WCA) or the City of Vancouver)	
(a) Safety Program (WCB OHS Regulation Parts 3.1-3.3)	Y N NA
(b) Asbestos Exposure Control Plan (WCB OHS Regulation Part 6.3)	Y N NA
(c) Lead (Pb) Exposure Control Plan (WCB OHS Regulation Part 6.60)	Y N NA
(d) Respiratory Protection Program (WCB OHS Regulation Part 8.5)	Y N NA
(e) Confined Space Entry Program (WCB OHS Regulation Parts 9.5 and 9.6)	Y N NA
(f) Plan for minimizing risk to public and to workers (City of Vancouver)	Y N NA
(g) Personal Protective Equipment (PPE) Program (WCB OHS Regulation Part 8.5)	Y N NA
(h) Hearing Conservation Program (WCB OHS Regulation Part 7.5)	Y N NA
(i) Confined Space Hazard Assessment (WCB OHS Regulation Part 9.9)	Y N NA
(j) Work Procedure, including evacuation and rescue, for confined space (WCB OHS Regulation Part 9.10 and 9.11)	Y N NA
(k) Identification of Isolation Points (confined space) (WCB OHS Regulation Part 9.19)	Y N NA
(l) Alternate procedures to isolate adjacent piping (confined space) (WCB OHS Regulation Part 9.22)	Y N NA
(m) Fall Protection Plan (WCB OHS Regulation Part 11.3)	Y N NA
(n) Traffic Control Plan (Ministry of Transportation and Infrastructure (MOTI) manual, as referenced in WCB OHS Regulation Part 18.3)	Y N NA
(o) In the event of a utility strike, a written procedure for notification of Utility Provider (WCB OHS Regulation Part 4.18) and WorkSafeBC (Workers' Compensation Act Part 3, Division 10, Sec. 172 (1)(c))	Y N NA
(p) Work Procedure (including evacuation and rescue) for excavations (City of Vancouver)	Y N NA
(q) Demolition/Salvage Plan (City of Vancouver in reference to WCB OHS Regulation Part 20.112)	Y N NA
(r) First Aid Assessment (WCB OHS Regulation Part 3.16 (2))	Y N NA
Summary of Training Requirements (T) of Contractor Employees (for any persons completing this type of work throughout the duration of the contract)	
(a) Confined Space Entry (WCB OHS Regulation Part 9.8)	Y N NA
(b) Fall Protection (WCB OHS Regulation Part 11.2 (6))	Y N NA
(c) Equipment Operation (WCB OHS Regulation Part 4.3(1)(b)(i)(ii))	Y N NA
(d) Mobile Equipment (ex. boom lift, scissor lift, forklift) (WCB OHS Regulation Part 16.4)	

SCHEDULE 10
FORCE ACCOUNT LABOUR AND CONSTRUCTION EQUIPMENT RATES

[When Contract is finalized, insert table of labour and equipment rates.]