



## TENDER

L – 09/20

**2020 CONTRACT B3 – 1<sup>st</sup> STREET WATERMAIN & WALKWAY**

**Submission Deadline: 2:00:00 p.m., Brandon time, Thursday, August 06, 2020**

## TABLE OF CONTENTS

<b>TENDER DOCUMENTS</b>	<b>4</b>
<b>Instructions to Bidders</b>	<b>5</b>
IB1. Definitions	5
IB2. Investigation	5
IB3. Enquiries	5
IB4. Substitutes	6
IB5. Addenda	7
IB6. Tender Submission	7
IB7. Submission of Tenders	10
IB8. Changes to a Tender	12
IB9. Withdrawal of a Tender	12
IB10. Irrevocable Offer	13
IB11. Opening of Tenders	13
IB12. Interviews, Clarifications and Additional Information	13
IB13. Evaluation of Tenders	14
IB14. Award of Contract	14
IB15. Contract Documents	15
<b>Tender Form</b>	<b>16</b>
<b>CONTRACT DOCUMENTS</b>	<b>21</b>
<b>Agreement</b>	<b>22</b>
<b>Unit Price Schedule</b>	<b>26</b>
<b>General Conditions</b>	<b>28</b>
GC1. Definitions	28
GC2. Interpretation	31
GC3. Successors and Assigns	32
GC4. Notices	32
GC5. Contractor Declaration	33
GC6. Contract Documents	33
GC7. Inconsistencies	34
GC8. Site	35
GC9. Indemnification	35
GC10. Bonding	36
GC11. Insurance	36
GC12. The Contractor	37
GC13. The Engineer	41
GC14. Inspection	41
GC15. Correction of Deficiencies	42
GC16. Change in Work	43
GC17. Payment	46
GC18. Time	48
GC19. Certificate of Final Completion of The Work	50
GC20. Warranty	50
GC21. Suspension of Work	52
GC22. Forfeiture of Contract	52
GC23. Dispute Resolution	55

<b>Supplemental Conditions</b>	<b>57</b>
SC1. Supplemental Conditions	57
SC2. Workplace Safety and Health	57
SC3. Contractor Declaration	57
SC4. Insurance	57
SC5. Security Clearance	58
SC6. Inspection	59
SC7. Work Schedule	59
SC8. Payment	59
<b>Specifications</b>	<b>60</b>
<b>Appendix – Test Hole Logs</b>	

## **TENDER DOCUMENTS**

The City of Brandon Standard Construction Specifications which includes the General Conditions of the Contract (Revision 2014-04-14) and the specific Sections referred to in the Contract Documents under; Division 1 General Requirements and Division 2 Site Work form part of the Tender Documents and are applicable to the Work.

These documents are available in electronic form from the City of Brandon Procurement Services, Purchasing & Tenders internet site at <https://purchasing.brandon.ca/>.

It is the sole responsibility of the Bidder to ensure he is in the possession of complete and current sets of Tender Documents including all Addenda shall be used in the preparation of the Tender. The City assumes no responsibility for errors or misinterpretations resulting from the use of incomplete or outdated Tender Documents.

## **INSTRUCTIONS TO BIDDERS**

### **IB1. DEFINITIONS**

IB1.1 All terms used in the Tender Documents shall have the meanings ascribed to them in GC1.

### **IB2. INVESTIGATION**

IB2.1 The Bidder is responsible for:

- .1 examining the Tender Documents and all documents included or referenced herein;
- .2 investigating the nature of the Work to be done;
- .3 investigating all conditions, whether at the Site or elsewhere, that might affect his Tender or his performance of the Work.

IB2.2 The Bidder may view the Site without making an appointment.

IB2.3 The Bidder shall not be entitled to rely on any information or interpretation provided by the City at the Site investigation unless that information or interpretation is provided by the Procurement Manager in writing.

### **IB3. ENQUIRIES**

IB3.1 If the Bidder finds errors, discrepancies or omissions in the Tender Documents, or is unsure of the meaning or intent of any provision therein, the Bidder shall promptly notify the Procurement Manager.

IB3.2 Enquiries shall be received in writing at least seven (7) calendar days prior to the Submission Deadline. Enquiries received after this date may not be responded to.

IB3.3 Any enquiries shall be directed to:

The City of Brandon  
Procurement Manager  
Finance Department  
Main Floor - City Hall  
410-9th Street  
Brandon, Manitoba  
R7A 6A2

Facsimile no.: 204-726-8546

E-mail address: [purchasing@brandon.ca](mailto:purchasing@brandon.ca)

IB3.4 Responses to enquiries that, in the judgment of the Procurement Manager, require a correction to or a clarification of the Tender Documents will be provided by issuing an addendum in accordance with IB5.

IB3.5 Responses to enquiries that, in the judgment of the Procurement Manager, do not require a correction to or a clarification of the Tender Documents will be provided by the Procurement Manager or designate only to the Bidder who made the enquiry.

IB3.6 The Bidder shall not be entitled to rely on any response or interpretation received unless that response or interpretation is provided by the Procurement Manager or designate in writing.

#### **IB4. SUBSTITUTES**

IB4.1 Where in the Tender Documents a Product is specified by trade name, manufacturer's name or catalogue reference, the Bidder shall be prepared to supply and install only such item unless a substitute is approved by an addendum in accordance with IB5.

IB4.2 Requests for approval of a substitute will not be considered unless received in writing by the Procurement Manager in accordance with IB3.3 at least seven (7) calendar days prior to the Submission Deadline.

IB4.3 A request for approval of a substitute must:

- .1 include two (2) sets of complete descriptive literature and performance data (complete with drawings, manufacturer's data, specifications, and other relevant information relating to the construction and performance of the item);
- .2 include information on construction projects where the proposed substitute has been used (complete with contact information for the owner and engineer of record for the project);
- .3 identify any and all changes required in the applicable Work, and all changes to any other Work, which would become necessary to accommodate the substitute;
- .4 identify any anticipated cost or time savings that may be associated with the substitute;
- .5 certify that, in the case of a request for approval as an approved equal, the substitute will fully perform the functions called for by the general design, be of equal or superior substance to that specified, is suited to the same use and capable of performing the same function as that specified and can be incorporated into the Work, strictly in accordance with the proposed work schedule;
- .6 certify that, in the case of a request for approval as an approved alternative, the substitute will adequately perform the functions called for by the general design, be similar in substance to that specified, is suited to the same use and capable of performing the same function as that specified and can be incorporated into the Work, strictly in accordance with the proposed work schedule.

IB4.4 No later claim by the Contractor for an addition to the Contract Price because of any changes in the Work necessitated by the use of an approved substitute will be considered.

IB4.5 The Procurement Manager or designate, after assessing the request for approval of a substitute, may in his sole discretion grant approval for the use of a substitute as an “approved equal” or as an “approved alternative”, or may refuse to grant approval of the substitute.

IB4.6 If the Procurement Manager or designate approves a substitute as an “approved equal”, the approved equal may be used in place of the specified item.

IB4.7 If the Procurement Manager or designate approves a substitute as an “approved alternative”, any Bidder bidding that approved alternative shall submit a base bid based upon the use of the specified item but may also indicate an alternative price based upon the approved alternative. Such alternative bids will be subject to any conditions or evaluations stipulated in the approval.

**IB5. ADDENDA**

IB5.1 The Procurement Manager may, at any time before the Submission Deadline, issue addenda correcting errors, discrepancies or omissions in the Tender Documents, or clarifying the meaning or intent of any provision therein.

IB5.2 The Procurement Manager may, at any time before the Submission Deadline, issue an addendum cancelling the invitation to Tender.

IB5.3 The Procurement Manager may, at any time before the Submission Deadline originally specified on the Tender Documents cover page or amended by a prior addendum, issue an addendum extending the Submission Deadline.

IB5.4 Addenda will be issued in the form of written Addenda.

IB5.4.1 The City will make reasonable efforts to forward addenda to all registered recipients of the Tender Documents however the Bidder is responsible for ensuring that he has received and reviewed all addenda.

IB5.4.2 Addenda will be available on the City of Brandon Procurement Services internet site at <https://purchasing.brandon.ca/>. The Bidder is responsible for monitoring the City website ensuring that he has received and reviewed all addenda.

IB5.5 The Bidder shall acknowledge receipt of addenda on the Tender Form. Failure to acknowledge receipt of an addendum may render a Tender non-compliant.

**IB6. TENDER SUBMISSION**

IB6.1 The Tender Submission shall include the following:

- .1 Tender Form;
- .2 Bid Bond;
- .3 Consent of Surety or Agreement to Bond.

**Tender Form**

IB6.2 The Bidder shall submit his Tender on the original or unaltered copies of the Tender Form provided herein.

IB6.3 The Bidder shall complete the Tender Form, making all required entries.

IB6.3.1 All entries shall be made clearly by typing or printing legibly in ink in the spaces provided.

IB6.3.2 The Bidder shall initial and date each and every correction, change, erasure, adjustment or alteration he makes on the Tender Form.

IB6.4 The Tender Form shall be completed in accordance with the following requirements:

- .1 if the Bidder is a sole proprietor carrying on business in his own name, his name shall be inserted;
- .2 if the Bidder is carrying on business under a name other than his own, the business name and the name of the owner of such business name shall be inserted;
- .3 if the Bidder is a partnership, the full name of the partnership shall be inserted;
- .4 if the Bidder is a corporation, the full name of the corporation shall be inserted.

IB6.4.2 If a Tender is submitted jointly by two or more persons, each and all such persons shall identify themselves in accordance with IB6.4 above.

IB6.5 The Tender Form shall be signed in accordance with the following requirements:

- .1 if the Bidder is a sole proprietor carrying on business in his own name, it shall be signed by the Bidder;
- .2 if the Bidder is carrying on business under a name other than his own, it shall be signed by the registered owner of the business name;
- .3 if the Bidder is a partnership, it shall be signed by the partner or partners who have authority to sign for the partnership;
- .4 if the Bidder is a corporation, it shall be signed by its duly authorized officer or officers and the corporate seal, if the corporation has one, shall be affixed.

IB6.5.2 The name and official capacity of each individual signing the Tender Form shall be printed below his signature.

IB6.6 The Bidder shall state a price for each item of the Work identified on the Tender Form.

IB6.6.1 Prices on the Tender Form shall be in Canadian currency. The Bidder must clearly identify any proposed alternative currency in his Tender Submission.

IB6.6.2 Prices on the Tender Form shall be in Canadian funds and shall be the total cost to the City of Brandon, including all duty, freight and cartage, Federal and Provincial taxes (Goods and Services Tax (GST) and Retail Sales Tax (RST) shall be shown as a separate amount where applicable) and all charges governmental or otherwise paid, and profit and all compensation which shall be due to the Contractor for the Work and all details necessarily connected with the completion of the Work and all risks and contingencies connected therewith.

IB6.7 The quantities listed on the Tender Form are to be considered approximate only. The City will use the quantities for the purpose of comparing Tenders.

IB6.8 The quantities for which payment will be made to the Contractor are to be determined by the Work successfully performed and completed by him, to be measured as specified in the applicable Specifications.

#### **Bid Bond and Consent of Surety/Agreement to Bond**

IB6.9 The Bidder shall provide:

- .1 a Bid Bond written on Canadian Construction Documents Committee Form CCDC 220 or similar form acceptable to the City in the amount of ten percent

(10%) of the Total Tender Amount and endorsed in the name of the City of Brandon as obligee.

- .2 a Consent of Surety or Agreement to Bond in a form acceptable to the City, stating that, if the Bidder is awarded the Contract, the Surety will provide a Performance Bond in the amount of fifty percent (50%) of the Contract Price and a Labour and Material Payment Bond in the amount of fifty percent (50%) of the Contract Price.

IB6.10 The Bid Bond and the Consent of Surety or Agreement to Bond shall be issued by the same surety or bonding company licensed to conduct the business of a surety in the Province of Manitoba. Each document shall incorporate by reference the Contract and be signed by both the Contractor and the Surety, and the Surety shall affix its corporate seal on each document.

IB6.11 The Bid Bond and the Consent of Surety or Agreement to Bond of all Bidders will be released when a Contract for the Work has been duly executed by the successful Bidder and the performance security furnished as provided herein.

IB6.12 If a Bidder is submitting a Tender Submission electronically in accordance with IB7.13, a Bid Bond and the Consent of Surety or Agreement to Bond shall be submitted in a digital format meeting the following criteria:

- .1 The version submitted by the Bidder must have valid digital signatures and seals.
- .2 The version submitted by the Bidder must be verifiable by the City with respect to the totality and wholeness of the bond form, including: the content; all digital signatures; all digital seals; with the surety company, or an approved verification service provider of the surety company.
- .3 The version submitted must be viewable, printable and storable in standard electronic file formats acceptable to the City, and in a single file. Allowable formats include pdf.
- .4 The verification may be conducted by the City immediately or at any time during the life of the bond and at the discretion of the City with no requirement for passwords or fees.
- .5 The results of the verification must provide a clear, immediate and printable indication of pass or fail regarding IB6.12.1.

IB6.13 Bonds failing the verification process will not be considered to be valid and the Tender Submission shall be determined to be non-responsive in accordance with IB13.1.1.

IB6.14 Bonds passing the verification process will be treated as original and authentic.

IB6.15 Further information regarding e-bonding can be referenced on the Surety Association of Canada website at the following link: <https://suretycanada.com/SAC/Surety-Bonds/E-Bonding.aspx>.

## **IB7. SUBMISSION OF TENDERS**

### **Submission Deadline**

- IB7.1 The Bidder shall submit his Tender Submission before the Submission Deadline specified on the Tender Documents cover page, or subsequently specified by addendum.
- IB7.2 Tenders determined by the City to have been received after the Submission Deadline will not be accepted and will be returned.
- IB7.3 The Bidder may submit his Tender Submission either by physical delivery, by facsimile delivery, or by online bidding platform delivery (e-submission). **In response to the COVID-19 pandemic, City Hall has implemented safety protocols that must be adhered to in order to enter City Hall. Refer to IB7.5 for further information.**

### **Physical Delivery**

- IB7.4 The Bidder may submit his Tender Submission by mail or courier, or deliver it by hand to:
- The City of Brandon  
Procurement Manager  
Finance Department  
Main Floor - City Hall  
410-9th Street  
Brandon, Manitoba  
R7A 6A2
- IB7.5 Bidders delivering a Tender Submission by hand delivery and courier delivery personnel must comply with protocols currently in place at City Hall in response to the COVID-19 pandemic, which may include but are not limited to mandatory hand washing/sanitizing and following physical distancing standards. Bidders are advised adherence to the building protocols may result in a Tender Submission delivery delay. Failure to comply with the City's protocols may result in a Tender Submission not being accepted prior to the Tender Submission deadline. The City shall not be held responsible for any delivery delay caused by adherence to COVID-19 building protocols.
- IB7.6 The Bidder is advised that, in the case of delivery by mail or courier, the City shall not be responsible for any delivery delay caused by its internal mail distribution system.
- IB7.7 The Tender Submission shall be submitted enclosed and sealed in an envelope clearly marked:
- L – 09/20 - 2020 CONTRACT B3 – 1<sup>st</sup> STREET WATERMAIN & WALKWAY**  
and with the Bidder's name and address.
- IB7.8 The time of receipt for a Tender Submission delivered by mail, courier or personal delivery shall be the time displayed by the clock in the Finance Department which is linked to the National Institute of Standards and Technology (NIST) time service.

### **Facsimile Delivery**

- IB7.9 The Bidder may submit his Tender Submission by facsimile transmission (fax) to:  
204-726-8546  
This is the ONLY NUMBER at which a facsimile Tender can be received and accepted by the City as a bona fide Tender.
- IB7.10 The City agrees to receive a Tender Submission by facsimile as a convenience to the Bidder who agrees to and does accept the level of confidentiality and security from the City as stated herein, and any failure or delay in the transmission or receipt of a facsimile Tender Submission is the sole responsibility of the Bidder.
- IB7.11 The received date and time stamp on the City's transmission report will be considered the official date and time of receipt of the Tender Submission. Each Tender Submission will be retrieved from the confidential facsimile mailbox, printed and placed in a sealed envelope by City procurement staff and immediately taken to the place of the Tender opening.
- IB7.12 The original completed and signed Tender Submission must be received by the Procurement Manager within three (3) business days following the Submission Deadline and must be identical in form and content to the facsimile Tender Submission previously deposited with the City. Failure to deliver to the City the original and unaltered Tender Submission as herein stated will render the Tender non-compliant.

### **Online Bidding Platform Delivery (E-submission)**

- IB7.13 The Bidder may submit his Tender Submission via the City's online bidding platform by the "Submit Online Bid" link for the Tender opportunity on the City's Purchasing & Tenders website: <https://purchasing.brandon.ca>.
- IB7.14 The procedure for submitting an electronic Tender Submission can be viewed on the City's Purchasing & Tenders website or by clicking [here](#). Failure to follow the procedure as indicated may result in a Tender Submission not being received. Any failure or delay in the transmission or storage of an electronic Tender Submission is the sole responsibility of the Bidder and not of the City.
- IB7.15 The City will ONLY accept electronic Tender Submissions uploaded to the City's online bidding platform as a bona fide Tender. Electronic Tender Submissions sent via e-mail will **not** be accepted. If a Bidder encounters issues uploading an electronic Tender Submission, contact the City's Procurement Services Department at 204-729-2251
- IB7.16 A Tender Submission will only be considered to have been submitted once it has been received by the City in the online bidding platform. The time the electronic Tender Submission is received by the City, will be determined by the City's server time, which is linked to National Institute of Standards & Technology time. Bidders are advised the time the electronic Bid Submission is received is based on when the Bid Submission is received by the City's server.

- IB7.17 A confirmation webpage will display advising the Tender Submission was submitted successfully and a confirmation email will be sent. Bidders should not consider their Tender Submission to have been submitted if the confirmation webpage does not display and a confirmation email is not received.
- IB7.18 Bid Submissions received via the online bidding platform are held securely and are inaccessible by Procurement Services staff until after the stipulated closing date and time.
- IB7.19 The Tender Submission must be received by the City before the stipulated closing time. Late Tender Submissions will be automatically rejected by the online bidding platform.
- IB7.20 If a Bidder submits a Tender Submission in accordance with IB7.13, the Bidder must submit a Bid Bond and Consent of Surety in digital format in accordance with IB6.12.

## **IB8. CHANGES TO A TENDER**

- IB8.1 The City will not accept revisions to, amendments to, or requests to change or correct a submitted Tender. A Bidder who wants to make an adjustment to his Tender prior to the Submission Deadline shall supersede his previous Tender with another complete Tender including a Bid Bond and a Consent of Surety or Agreement to Bond.
- IB8.2 If the Bidder delivers more than one Tender, each Tender delivered in accordance with these Instructions to Bidders and received by the City prior to the Submission Deadline shall be deemed to have been submitted in the chronological order received, and each such Tender delivered by the same Bidder shall be considered to supersede and replace, in its entirety, any and all previous Tenders submitted by the same Bidder.

## **IB9. WITHDRAWAL OF A TENDER**

- IB9.1 A Bidder may withdraw his Tender without penalty by giving notice to the City at any time before the Submission Deadline.
- IB9.2 The time and date of receipt of any notice withdrawing a Tender shall be the time and date of receipt as determined by the City.
- IB9.3 If the Bidder wishes to withdraw a Tender submitted by physical delivery in accordance with IB7.4, he must withdraw the Tender by written notice delivered by mail, courier, personal delivery or facsimile transmission (fax) to:

The City of Brandon  
Procurement Manager  
Finance Department  
Main Floor - City Hall  
410-9th Street  
Brandon, Manitoba  
R7A 6A2

Facsimile no.: 204-726-8546

- IB9.4 A written notice withdrawing a Tender shall be signed by the person(s) whose signature(s) appear on the Tender Form of the Tender Submission.
- IB9.5 The Bidder is advised that, in the case of delivery by mail, the City shall not be responsible for any delivery delay caused by its internal mail distribution system.
- IB9.6 The Bidder is advised that, in the case of delivery by facsimile transmission (fax), the City shall not be responsible if its facsimile machine is busy or otherwise unable to receive the Bidder's transmission.
- IB9.7 The City shall retain the Tender until after the Submission Deadline and open the Tender to verify that the name and signature of the person requesting the Tender be withdrawn is the same as the name and signature of any of those appearing on the Tender. If the name and signature are the same, the City will declare the Tender withdrawn.
- IB9.8 Requests made orally in person or by telephone, or submitted by e-mail to withdraw a Tender will not be considered.

**IB10. IRREVOCABLE OFFER**

- IB10.1 The Tender(s) submitted by the Bidder shall be irrevocable for the time period specified on the Tender Form.
- IB10.2 If a Tender is submitted jointly by two or more persons, the word "Bidder" shall mean each and all such persons, and the undertakings, covenants and obligations of such joint Bidders in the Tender and the Contract, when awarded, shall be both joint and several.
- IB10.3 The acceptance by the City of any Tender shall not release the Tenders of the other Bidders and these Bidders shall be bound by their offers on such Work for the time period specified in on the Tender Form.
- IB10.4 A Bidder who withdraws his Tender after the Submission Deadline but before his offer has been released or has lapsed shall be liable for such damages as are imposed upon the Bidder by law and subject to such sanctions as the City considers appropriate in the circumstances. The City, in such if, shall be entitled to all rights and remedies available to it at law.

**IB11. OPENING OF TENDERS**

- IB11.1 Tenders will not be opened publicly. Public Tender openings have been suspended until further notice.

**IB12. INTERVIEWS, CLARIFICATIONS AND ADDITIONAL INFORMATION**

- IB12.1 The City shall have the right to interview any Bidder and/or request clarifications and additional information from any Bidder.
- IB12.2 The Bidder shall submit, upon request by the Procurement Manager, proof satisfactory to the City that the Bidder and/or any proposed Subcontractor (for the portion of the Work proposed to be subcontracted to them):

- .1 are in good standing under The Corporations Act, C.C.S.M. c. C225, or properly registered under The Business Names Registration Act, C.C.S.M. c. B110, or otherwise properly registered, licensed or permitted by law to carry on business in Manitoba, or if the Bidder does not carry on business in Manitoba, in the jurisdiction where the Bidder does carry on business; and
- .2 are financially capable of carrying out the terms of the Contract; and
- .3 have successfully carried out work similar in nature, scope and value to the Work; and
- .4 are fully capable of performing the Work required to be in strict accordance with the terms of the Contract.

IB12.3 The Bidder shall submit, upon request by the Procurement Manager, proof satisfactory to the City that any proposed Goods meet the requirements of the Specifications.

IB12.4 The Bidder shall provide, on the request of the Procurement Manager, access to the Bidder's equipment and facilities to confirm to the City's satisfaction that the Bidder's equipment and facilities are adequate to perform the Work.

### **IB13. EVALUATION OF TENDERS**

IB13.1 The award of this Contract shall be based on:

- .1 compliance by the Bidder with the requirements of the Tender (pass/fail);
- .2 Total Tender Amount.

IB13.2 The City shall have the right to determine whether or not any or all parts of any Tender is substantially compliant with the requirements of the Tender Documents.

IB13.3 The City may, at its sole discretion, determine that all or any part of any Tender is not substantially compliant with the requirements of the Tender Documents if the Tender Submission is incomplete, obscure, conditional, or contains material alterations or other irregularities, or if the Tender contains material deficiencies.

IB13.4 The City may, at its sole discretion, waive technical deficiencies and minor non-compliances in any Tender it determines to be substantially compliant with the requirements of the Tender Documents.

IB13.5 The City shall have the right to reject any or all parts of any Tender that it has determined is not substantially compliant with the requirements of the Tender Documents.

### **IB14. AWARD OF CONTRACT**

IB14.1 The City will give notice of the award of the Contract or will give notice that no award will be made.

IB14.2 The City shall have no obligation to award a Contract to a Bidder, even though one or all of the Bidders are determined to be responsible and qualified, and their Tenders are determined to be compliant.

- IB14.2.1 Without limiting the generality of IB14.2, the City shall have no obligation to award a Contract if:
- .1 the prices exceed the available funds for the Work;
  - .2 the prices are materially in excess of the prices received for similar work in the past;
  - .3 the prices are materially in excess of the City's cost to perform the Work, or a significant portion thereof, with its own forces;
  - .4 only one Tender is received; or
  - .5 in the judgment of the City, the interests of the City would best be served by not awarding a Contract.
- IB14.3 If an award of Contract is made by the City, the award will be made to the responsible and qualified Bidder submitting the lowest compliant Tender as determined in accordance with IB13.

**IB15. CONTRACT DOCUMENTS**

- IB15.1 The City will prepare and issue Contract Documents to the successful Bidder.
- IB15.2 The successful Bidder shall execute and return the Contract Documents in the manner and within the time stipulated by the City.
- IB15.3 If the successful Bidder does not execute and return the Contract Documents as instructed, the Bidder may be deemed by the City to be in default of his obligations under the Tender Documents, whereupon the acceptance of the Tender by the City shall be null and void, and the City shall be entitled to all rights and remedies available at law.

THE CITY OF BRANDON  
ENGINEERING DEPARTMENT

**TENDER FORM**

Contract Title: **2020 CONTRACT B3 – 1<sup>st</sup> STREET WATERMAIN & WALKWAY**

To: The Procurement Manager, City of Brandon

I/We \_\_\_\_\_  
(name of Bidder)

the undersigned, hereby offer to furnish, execute and complete in a satisfactory and workmanlike manner, in accordance with the Tender Documents, all the Work required for the above Contract for the consideration of the Unit Prices set forth in the Unit Price Schedule, attached hereto.

I/We understand that the description of the Work in this Tender Form is in short form and the Work included in each item is as described in the Tender Documents which shall be deemed, in their entirety, to form a part of this Tender notwithstanding that not all parts thereof are necessarily attached to or accompany this Tender Form.

I/We further agree that, if awarded the Contract, we will commence the Work as specified and achieve Critical Stages as defined in the Agreement on or before October 15, 2020, and Final Completion of the Work on or before June 30, 2021.

I/We further agree our Tender as provided herein shall remain binding and irrevocable for a period of sixty (60) calendar days following the Submission Deadline.

I/We further agree to enter into a written Agreement, of the form and content attached hereto, for the execution of the Work, if required to do so within a period of sixty (60) calendar days following the Submission Deadline.

Accompanying this Tender are a Bid Bond, payable to the City of Brandon in the amount of ten percent (10%) of the Total Tender Amount, and a Consent of Surety or Agreement to Bond.

I/We further agree that if I/We fail or decline to enter into a written Agreement in accordance with the terms of the Tender Documents, the City shall be entitled to all rights and remedies available to it at law, including the right to retain our Bid Bond as liquidated damages and not as a penalty.

I/We further agree that the City has the right to reject any or all Tenders, to waive any and all informalities, or to accept any Tender that it considers is in the best interest of the City.

## UNIT PRICE SCHEDULE

This is a Unit Price Tender and, if there is any discrepancy between the Unit Prices and the extended amounts, the Unit Prices shall be considered as representing the intention of the Bidder. Separate prices shall be submitted for each item set forth on the Unit Price Schedule. The quantities shown in the Unit Price Schedule are estimates only and have been listed for the purpose of comparing Tenders on a uniform basis. The final quantities may be considerably greater or considerably less than these quantities. No variation in the quantities actually executed shall give rise to any claim against the City.

## PRICE SUMMARY

1 <sup>st</sup> Street Watermain & Walkway	\$ _____
Goods and Services Tax	_____
TOTAL TENDER AMOUNT	\$ _____

\_\_\_\_\_  
(Bidder to initial)

## UNIT PRICES

### Project: 1<sup>st</sup> Street Watermain & Walkway

Class of Labour, Plant and Material	Unit of Measurement	Estimated Quantity	Unit Price \$0.00	Extension \$0.00
<b>WATERMAINS</b>				
1. 250mm PVC WM, 0-4m Depth, CI3 Backfill	lin.m.	370	_____	_____
2. 250mm PVC WM, 0-4m Depth, CI2 Backfill	lin.m.	20	_____	_____
3. 150mm PVC WM, 0-4m Depth, CI3 Backfill	lin.m.	10	_____	_____
4. 250mm Gate Valve	each	4	_____	_____
5. 150mm Gate Valve	each	3	_____	_____
6. Hydrant	each	3	_____	_____
7. Connect to Existing 250mm PVC Watermain	each	2	_____	_____
8. 250x250x150mm PVC Tee	each	3	_____	_____
9. 250mm PVC 90 Degree Bend	each	1	_____	_____
10. 250mm PVC 45 Degree Bend	each	2	_____	_____
11. 5.4kg Anode	each	9	_____	_____
12. Testing & Disinfection	lump sum	1	_____	_____
<b>SEWERS</b>				
13. 300mm PVC LDS, 0-4m Depth, CI2 Backfill	lin.m.	50	_____	_____
14. 750mm x 1.2m CB c/w Frame & No. 2 Cover	each	2	_____	_____
15. 500mm CMP LDS, 0-4m Depth, CI2 Backfill	lin.m.	17	_____	_____
16. 400mm CMP LDS, 0-4m Depth, CI2 Backfill	lin.m.	45	_____	_____
17. 300mm CMP LDS, 0-4m Depth, CI2 Backfill	lin.m.	25	_____	_____
18. Connect to Existing 150mm HDPE DR17	each	2	_____	_____
19. 150mm HDPE DR17	lin.m.	20	_____	_____
20. 150mm HDPE DR17 Backup Ring & Flange	each	4	_____	_____
21. Plug & Abandon 300mm CMP LDS	each	3	_____	_____
22. Adjust MH Rim Elevation	each	2	_____	_____
<b>MISCELLANEOUS</b>				
23. Bedding Sand	lin.m.	200	_____	_____

(Bidder to initial)

**Project: 1<sup>st</sup> Street Watermain & Walkway**

Class of Labour, Plant and Material	Unit of Measurement	Estimated Quantity	Unit Price \$0.00	Extension \$0.00
24. Bedding Gravel (Provisional)	lin.m.	200	_____	_____
25. 1200 x 100mm Flat Style Insulation (Provisional)	lin.m.	20	_____	_____
26. 1200 x 100mm Box Style Insulation (Provisional)	lin.m.	20	_____	_____
<b>WALKWAY CONSTRUCTION</b>				
27. Common Excavation & Remove Existing	lump sum	1	_____	_____
28. Topsoil Stripping (150mm Depth)	sq.m.	6,000	_____	_____
29. Ditch Excavation	cub.m.	400	_____	_____
30. Common Fill (Supplied by City)	cub.m.	1,350	_____	_____
31. Common Fill (Provisional)	cub.m.	1,350	_____	_____
32. 100mm Asphalt Walkway or Driveway Construction	sq.m.	1,570	_____	_____
33. Concrete Barrier Curb & Gutter c/w 0.3m Road Repair	lin.m.	30	_____	_____
34. 100mm Concrete Sidewalk	sq.m.	30	_____	_____
35. Gravel Road Repair	sq.m.	100	_____	_____
36. Boulevard Repair	sq.m.	4,550	_____	_____
<b>PROJECT SUBTOTAL: 1<sup>st</sup> Street Watermain &amp; Walkway</b>			\$ _____	_____

Carry forward Project Subtotals to the Price Summary on page 17.

I/We hereby acknowledge receipt of the following Addenda to the Tender Documents:

Addendum No. \_\_\_\_\_ Date received \_\_\_\_\_ Signed \_\_\_\_\_

Addendum No. \_\_\_\_\_ Date received \_\_\_\_\_ Signed \_\_\_\_\_

Addendum No. \_\_\_\_\_ Date received \_\_\_\_\_ Signed \_\_\_\_\_

SIGNED, SEALED AND DELIVERED this \_\_\_\_\_ day of \_\_\_\_\_ a.d. 2020

\_\_\_\_\_  
Authorized Signatory  
(Signature and seal of Bidder)

\_\_\_\_\_  
Witnessed by  
(Signature of Witness)

\_\_\_\_\_  
(Print here the name and official capacity  
of individual whose signature appears above)

\_\_\_\_\_  
(Print here the name and official capacity  
of individual whose signature appears above)

\_\_\_\_\_  
Authorized Signatory  
(Signature and seal of Bidder)

\_\_\_\_\_  
Witnessed by  
(Signature of Witness)

\_\_\_\_\_  
(Print here the name and official capacity  
of individual whose signature appears above)

\_\_\_\_\_  
(Print here the name and official capacity  
of individual whose signature appears above)

\_\_\_\_\_  
Address of Bidder

\_\_\_\_\_  
Address of Witness

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Telephone & Facsimile Numbers

\_\_\_\_\_  
Telephone & Facsimile Numbers

# **CONTRACT DOCUMENTS**

## AGREEMENT

THIS AGREEMENT, which is made in duplicate,

this \_\_\_\_\_ day of \_\_\_\_\_, 2020 a.d. by and between:

---

(hereinafter called the Contractor)

and

**THE CITY OF BRANDON**  
(hereinafter called the City)

WITNESSETH THAT; whereas the Contractor has represented to the City that he is skilled in the performance of the Work described in the Contract Documents, and will able to perform the same in accordance therewith;

NOW THEREFORE; The Contractor and the City undertake and agree that;

### THE WORK

The Contractor will;

- a) provide all the materials, unless otherwise indicated, perform all of the Work, finish in a good and workmanlike manner and fulfil all the obligations called for by the Contract Documents for the following Work:

**2020 CONTRACT B3 – 1<sup>st</sup> STREET WATERMAIN & WALKWAY**

which have been executed in duplicate by both parties and which were prepared by the City Engineer of the City of Brandon acting as and referred to as the Engineer;

- b) perform such additional Work, under the terms of this Contract, which may be ordered by the Engineer;
- c) achieve Final Completion of the Work of this Contract as certified by the Engineer by June 30, 2021;
- d) achieve Critical Stages of Work in accordance with the following requirements:  
Completion of watermain such that entire length of watermain is pressure tested, disinfected and in-service by October 15, 2020;
- e) pay to the City as liquidated damages and not as penalty, the sum of \$1,500.00 (One Thousand Five Hundred Dollars) for each calendar day past the above stated date of Critical Stage that the entire length of watermain is not operational;
- f) pay to the City as liquidated damages and not as penalty, the sum of \$1,500.00 (One Thousand Five Hundred Dollars) for each calendar day past the above stated date of Final Completion of the Work that Final Completion of the Work has not been achieved;

- g) maintain the Work against any and all defects or deficiencies that may arise during the warranty period.

## **CONTRACT PRICE**

The Contract Price is \$ \_\_\_\_\_ GST inclusive in Canadian funds, which price shall be subject to adjustments as may be determined in accordance with the Contract.

## **PAYMENT**

Subject to holdbacks in accordance with the Contract, the City will:

- a) pay the Contractor in lawful tender of Canada, for the specified materials and services, the amount that is stipulated above subject to such additions and deductions provided for in the Contract Documents.
- b) make payments on the basis of the Engineer's Certificates, in accordance with the Contract.
- c) upon Substantial Performance of the Work, as certified by the Engineer, pay to the Contractor any unpaid balance of hold back monies then due.
- d) when all the Work under the Contract has been performed and Final Completion of the Work has been certified by the Engineer, pay to the Contractor any unpaid balance of the Contract Price then due.

## **CONTRACT DOCUMENTS**

The following documents for

### **2020 CONTRACT B3 – 1<sup>st</sup> STREET WATERMAIN & WALKWAY**

together with this Agreement, constitute the Contract and include:

Unit Price Schedule;  
General Conditions;  
Supplemental Conditions,  
Specifications;  
Addenda;  
Performance Bond;  
Labour and Materials Payment Bond;

The City of Brandon Drawings:

Drawing No.  
WD-1456

Title  
1<sup>st</sup> Street Watermain & Walkway (Sheets 1-4)

## SUCCESSION

The General Conditions of the Contract hereto annexed, and all the other Contract Documents, are all to be read into and form part of this Agreement and the whole shall constitute the Contract between the parties and subject to the law and the provisions of the Contract Documents shall enure to the benefit of and be binding upon the parties hereto, their respective heirs, legal representatives, administrators, successors, and assigns.

## ADDRESSES FOR NOTICES

All communications in writing between the parties or between them and the Engineer shall be delivered or sent to the individual or the member of the Firm or to an officer of the Corporation for whom they are intended to the address listed below:

The City at:                   410-9th Street  
                                      Brandon, Manitoba  
                                      R7A 6A2

Facsimile no. 204-725-3235

The Contractor at: \_\_\_\_\_  
                                      \_\_\_\_\_  
                                      \_\_\_\_\_

Facsimile no. \_\_\_\_\_

IN WITNESS WHEREOF; This Agreement has been executed by the parties hereto on the day and year first above written.

THE CITY

THE CONTRACTOR

The City of Brandon

\_\_\_\_\_

\_\_\_\_\_  
P. Pulak, P.Eng.  
City Engineer  
(Signature & Seal of City)

\_\_\_\_\_  
Authorized Signatory  
(Signature & Seal of Contractor)

---

For the City witnessed by  
(Signature of Witness)

Name and address of Witness

---

---

---

---

Telephone

---

For the Contractor witnessed by  
(Signature of Witness)

Name and address of Witness

---

---

---

---

Telephone

## UNIT PRICE SCHEDULE

### Project: 1<sup>st</sup> Street Watermain & Walkway

Class of Labour, Plant and Material	Unit of Measurement	Estimated Quantity	Unit Price \$0.00	Extension \$0.00
<b>WATERMAINS</b>				
1. 250mm PVC WM, 0-4m Depth, CI3 Backfill	lin.m.	370	_____	_____
2. 250mm PVC WM, 0-4m Depth, CI2 Backfill	lin.m.	20	_____	_____
3. 150mm PVC WM, 0-4m Depth, CI3 Backfill	lin.m.	10	_____	_____
4. 250mm Gate Valve	each	4	_____	_____
5. 150mm Gate Valve	each	3	_____	_____
6. Hydrant	each	3	_____	_____
7. Connect to Existing 250mm PVC Watermain	each	2	_____	_____
8. 250x250x150mm PVC Tee	each	3	_____	_____
9. 250mm PVC 90 Degree Bend	each	1	_____	_____
10. 250mm PVC 45 Degree Bend	each	2	_____	_____
11. 5.4kg Anode	each	9	_____	_____
12. Testing & Disinfection	lump sum	1	_____	_____
<b>SEWERS</b>				
13. 300mm PVC LDS, 0-4m Depth, CI2 Backfill	lin.m.	50	_____	_____
14. 750mm x 1.2m CB c/w Frame & No. 2 Cover	each	2	_____	_____
15. 500mm CMP LDS, 0-4m Depth, CI2 Backfill	lin.m.	17	_____	_____
16. 400mm CMP LDS, 0-4m Depth, CI2 Backfill	lin.m.	45	_____	_____
17. 300mm CMP LDS, 0-4m Depth, CI2 Backfill	lin.m.	25	_____	_____
18. Connect to Existing 150mm HDPE DR17	each	2	_____	_____
19. 150mm HDPE DR17	lin.m.	20	_____	_____
20. 150mm HDPE DR17 Backup Ring & Flange	each	4	_____	_____
21. Plug & Abandon 300mm CMP LDS	each	3	_____	_____
22. Adjust MH Rim Elevation	each	2	_____	_____
<b>MISCELLANEOUS</b>				
23. Bedding Sand	lin.m.	200	_____	_____
24. Bedding Gravel (Provisional)	lin.m.	200	_____	_____

**Project: 1<sup>st</sup> Street Watermain & Walkway**

Class of Labour, Plant and Material	Unit of Measurement	Estimated Quantity	Unit Price \$0.00	Extension \$0.00
25. 1200 x 100mm Flat Style Insulation (Provisional)	lin.m.	20	_____	_____
26. 1200 x 100mm Box Style Insulation (Provisional)	lin.m.	20	_____	_____
<b>WALKWAY CONSTRUCTION</b>				
27. Common Excavation & Remove Existing	lump sum	1	_____	_____
28. Topsoil Stripping (150mm Depth)	sq.m.	6,000	_____	_____
29. Ditch Excavation	cub.m.	400	_____	_____
30. Common Fill (Supplied by City)	cub.m.	1,350	_____	_____
31. Common Fill (Provisional)	cub.m.	1,350	_____	_____
32. 100mm Asphalt Walkway or Driveway Construction	sq.m.	1,570	_____	_____
33. Concrete Barrier Curb & Gutter c/w 0.3m Road Repair	lin.m.	30	_____	_____
34. 100mm Concrete Sidewalk	sq.m.	30	_____	_____
35. Gravel Road Repair	sq.m.	100	_____	_____
36. Boulevard Repair	sq.m.	4,550	_____	_____
<b>PROJECT SUBTOTAL: 1<sup>st</sup> Street Watermain &amp; Walkway</b>			<b>\$ _____</b>	

## GENERAL CONDITIONS

### GC1. DEFINITIONS

GC1.1 Where used in these *General Conditions* and in the other documents forming part of the Tender Documents and the Contract Documents:

- .1 “Agreement” means the portion of the Contract Documents by that name.
- .2 “Bidder” means any person submitting a Tender for the Work.
- .3 “Instructions to Bidders” means the portion of the Tender Documents by that name which sets out the terms and conditions governing the tendering process.
- .4 “Business Day” means any day, other than a Saturday, Sunday, or a statutory or civic holiday as observed by the City.
- .5 “Change in Work” means an addition, deletion or modification to the Contract as awarded and includes modifications to the quantity or nature of Work, the manner of performance of any part of the Work, price, time or schedule.
- .6 “Change Order” means a written order issued by the City that sets out a Change in Work.
- .7 “City” means the City of Brandon of the Province of Manitoba as continued under The Brandon Charter, SM 1989-90, c. 71, and any subsequent amendments thereto.
- .8 “City Manager” means the City Manager of the City of Brandon as appointed by the Council of the City of Brandon, or his designate.
- .9 “Contract” means the obligations and rights of the City and the Contractor as set forth in the Contract Documents.
- .10 “Contract Documents” means the combined documents consisting of the executed Agreement between the City and the Contractor, these General Conditions of the Contract, the Supplemental Conditions, the Specifications, the Drawings, all Addenda, the Performance Bond, the Labour and Material Payment Bond, The City of Brandon Construction Vehicles & Equipment Rentals Firm Price Listing, and any other document referred to in, or connected with such formal Agreement as may be authorized by the City. It shall also include all modifications and amendments thereto incorporated in the Contract Documents before the execution of the Agreement, and subsequent amendments thereto made pursuant to the provisions of the Contract and agreed upon between the parties, and all the Contractor's Specifications and Contractor's Drawings, if approved and signed by the Engineer.
- .11 “Contract Price” means the total of the products of the Contract Unit Prices and their respective quantities plus any lump sum items included in the Agreement.
- .12 “Contract Time” means the time stipulated in the Contract Documents for the performance of the Work from commencement to Final Completion.
- .13 “Contract Unit Price” means any amount set forth in the Unit Price Schedule in the Agreement, and as described in the Specifications for the performance of an item of Work.

- .14 “Contractor” means the person who has undertaken the performance of the Work under the terms of the Contract.
- .15 “Contractor's Specifications and Contractor's Drawings” means all drawings, diagrams, illustrations, schedules, performance charts, brochures and other data that are prepared or provided by the Contractor, Subcontractor, or Supplier and that illustrate some portion of the Work.
- .16 “Drawings” means the portion of the Contract Documents by that name which illustrates the physical or functional characteristics of the Work, or any part thereof.
- .17 “Engineer” means the City Engineer of the City of Brandon Engineering Department and includes any person duly authorized by him to perform on his behalf any of his functions under the Contract.
- .18 “Final Completion of the Work” means that the entire Work, except those items arising from the provisions of GC20 Warranty, have been performed in accordance with the Contract.
- .19 “Goods” means any tangible personal property to be supplied as a deliverable under the Contract whether by purchase, hire, hire-purchase or otherwise, but does not include the Contractor’s tools and equipment, or incidental materials or supplies expended in the course of the Work.
- .20 “Materials” means any information, data, research, documents, photographic images, computer programs (and related object and source codes and electronic files) and any other intellectual property whether disclosed to the Contractor by the City or otherwise produced or developed by the Contractor specifically for the Work.
- .21 “Other Contractor” means any person employed by or having a contract directly or indirectly with the City otherwise than through the Contractor, or is employed by or having a contract with a third party having the City's permission to do work on City owned property.
- .22 “Plant” means all material and/or equipment and/or items brought to or constructed upon the Site by the Contractor for the performance of the Work, but does not include material, equipment or other items that are to form part of the permanent Work.
- .23 “Prime Contractor” means the prime contractor as defined in The Workplace Safety and Health Act, C.C.S.M. c. W210.
- .24 “Procurement Manager” means the Procurement Manager of the City of Brandon Finance Department and includes any person duly authorized by her to perform on her behalf any of her functions under the Contract.
- .25 “Products” means any tangible or intangible personal property to be supplied by the Contractor as a deliverable under the Contract whether by purchase, hire, hire-purchase, licence or otherwise.
- .26 “Site” means lands, buildings or other places owned, occupied or used by the City and designated by the City for the delivery and/or installation of Products, or the provision of Services.

- .27 “Specifications” means the portion of the Contract Documents by that name which sets out the written description of the physical or functional characteristics of the Work, or any part thereof.
- .28 "Street" means any public highway as defined in The Municipal Act, C.C.S.M. c. M225.
- .29 “Subcontractor” means a person having a contract with the Contractor or another Subcontractor of the Contractor for the execution of a part or parts of the Work or who furnishes material called for in the Contract Documents.
- .30 “Submission Deadline” means the time and date set out in the Tender Documents for final receipt of Tenders.
- .31 “Substantial Performance of the Work” shall have the meaning attributed to it in The Builders' Liens Act, C.C.S.M. c. B91, or if the Act is not applicable, shall mean when the Work is substantially complete and ready for use, or is being used for the purpose intended.
- .32 “Supplemental Conditions” means the portion of the Contract Documents by that name which sets out terms and conditions specific to the Contract, and supplements or modifies the General Conditions.
- .33 “Tender” means the offer contained in the Tender Submission.
- .34 “Tender Documents” means the Instructions to Bidders, the Tender Form, the Contract Documents and all addenda.
- .35 “Tender Form” means the portion of the Tender Documents by that name.
- .36 “Tender Submission” means that portion of the Tender Documents and other items that must be completed or provided by the Bidder and delivered to the City by the Submission Deadline to constitute a compliant Tender.
- .37 “The City of Brandon Construction Vehicles & Equipment Rentals Firm Price Listing” means the document of that name which is available for viewing at the City of Brandon Finance Department, Main Floor 410-9<sup>th</sup> Street, Brandon, MB.
- .38 “Work” means the carrying out and the doing of all things, whether of a temporary or permanent nature, that are to be done by the Contractor pursuant to the Contract and includes the furnishing of all labour, superintendence, services, transportation, materials, Plant, equipment and articles necessary or incidental to the proper performance of the Contract.
- .39 “Working Day” means any calendar day, (one midnight to the following midnight), other than a Sunday or a Statutory or Civic Holiday, on which, in the opinion of the Engineer, atmospheric and/or Site conditions are such that the Contractor is able to work at least four (4) hours during the period between 7:00 a.m. Brandon time or the time the Contractor's operations normally commence, whichever is the earlier, and 7:00 p.m. Brandon time. A Sunday or Statutory Holiday will be considered a Working Day if the Contractor elects to perform any Work that, in the opinion of the Engineer, requires the attendance of the Engineer.

GC1.2 Where used in these General Conditions and in the other documents forming part of the Tender Documents and the Contract Documents:

- .1 “person” includes a natural person, or an artificial person including a partnership, corporation, joint venture, consortium, association, or any combination thereof,
- .2 “shall” and “must” are imperative and “may” is permissive and empowering;
- .3 the commonly understood name of a country, place, person, entity or thing has the same meaning as any formal or extended designation;
- .4 words in the singular include the plural, and words in the plural include the singular;
- .5 gender-specific terms include both genders and the neuter;
- .6 a reference to a statute, by-law or regulation is a reference to the statute, by-law or regulation as amended;
- .7 a reference to a statute, by-law or regulation that has been repealed and replaced is, with respect to a later transaction, matter or thing, a reference to the provisions of the new statute, by-law or regulation that relate to the same subject-matter as the former statute, by-law or regulation.

## **GC2. INTERPRETATION**

- GC2.1 The Contract has been entered into in the Province of Manitoba and shall be governed by and construed and enforced in accordance with the laws of the Province of Manitoba.
- GC2.2 If any of the provisions of the Contract are found by a court of competent jurisdiction to be null or void, the remainder of the Contract shall continue in full force and effect provided that the substantive intent of the Contract is not thereby compromised.
- GC2.3 The City and the Contractor acknowledge and agree that the Contractor is an independent contractor and neither the Contractor, nor any officer, servant or agent of the Contractor shall be deemed to be an employee, agent, representative or servant of the City.
- GC2.4 If the Contractor as defined herein consists of more than one person, their liability to perform the covenants herein contained to be performed by the Contractor shall be joint and several.
- GC2.5 No acceptance of Work, payment of money, or failure on the part of the City to enforce compliance by the Contractor with any term of this Contract, nor any act or omission of the City or of any officer or employee of the City, shall be taken as a waiver of any of the provisions of this Contract, it being understood that any provision hereof may only be waived by express waiver in writing authorized by the proper officers of the City. No express waiver of any provision of this Contract shall impliedly waive any other provision of this Contract.
- GC2.6 It is intended in all matters herein that both the City and the Contractor shall act promptly.

### **GC3. SUCCESSORS AND ASSIGNS**

- GC3.1 The Contract shall enure to the benefit of and be binding on the respective heirs, executors, administrators, and successors and permitted assigns of the City and the Contractor.
- GC3.2 The Contractor shall not assign the Contract, either in whole or in part, without the written consent of the City. The Contractor shall not assign any monies due to him hereunder, except to a bank or financial institution acceptable to the City.
- GC3.3 The Contractor shall not be relieved of any liabilities or obligations relating to the Contract because of the consent of the City to any assignment. The Contractor shall have the same responsibilities as though no assignment had been made.

### **GC4. NOTICES**

- GC4.1 All notices, requests, orders, decisions, consents, approvals, statements, authorizations, documents or other communications required or permitted to be given under the Contract shall be in writing and shall be delivered by hand, by mail or by facsimile transmission (fax).
- GC4.1.1 In the event of a postal dispute or threat of a postal dispute, all notices required to be given hereunder shall be personally delivered or forwarded by facsimile.
- GC4.2 All notices, requests, orders, decisions, consents, approvals, statements, authorizations, documents or other communications to the City, except as expressly otherwise required elsewhere in the Contract Documents, shall be delivered or sent to the attention of the Engineer at the address or facsimile number identified in the Agreement.
- GC4.3 All notices, requests, orders, decisions, consents, approvals, statements, authorizations, documents or other communications to the Contractor, except as expressly otherwise required elsewhere in the Contract Documents, shall be delivered or sent to the address or facsimile number identified in the Agreement or delivered by hand to the Contractor's superintendent at the Site.
- GC4.4 Either party may, by giving notice, designate another address or addresses at which it will accept delivery of notices, requests, orders, decisions, consents, approvals, statements, authorizations, documents or other communications.
- GC4.5 Any notices, requests, orders, decisions, consents, approvals, statements, authorizations, documents or other communications given as provided herein shall:
- .1 if delivered by hand, be deemed to have been received on the day of receipt;
  - .2 if forwarded by mail, be deemed to have been received on the earlier of the day it was received or the second Business Day on which mail is delivered by Canada Post following the date of mailing;
  - .3 if forwarded by facsimile transmission, be deemed to have been received on the day of transmission, if a Business Day, or if not a Business Day, on the first Business Day following the day of transmission.

## **GC5. CONTRACTOR DECLARATION**

GC5.1 The Contractor declares that in bidding for the Work and in entering into the Contract, he has investigated for himself the Site, the character of the Work to be done and all conditions including the location of any utility that can be determined from the records or other information available at the offices of any public authority or person, including a municipal corporation and any board or commission thereof, having jurisdiction or control over the utility, that might affect his Tender or his performance of the Work, or that, not having so investigated, he willingly assumes all risk for conditions now existing or arising in the course of the Work that could have been determined through such investigation.

GC5.2 The Contractor declares that in bidding for the Work and in entering into the Contract, he did not and does not rely upon information furnished by the City or any of its servants or agents respecting the character or nature of the surface and subsurface conditions at the Site, or the location, character, quality or quantity of the materials to be removed, or to be employed in the construction of the Work, or the character of the Plant needed to perform the Work or the general and local conditions and shall verify all matters concerning access to the Site, power supplied, location of existing services, utilities, materials necessary for the completion of the Work and all other matters that could in any way affect the performance of the Work under the Contract other than information furnished in writing for or in connection with the Tender or the Contract by the Procurement Manager or by the Engineer.

GC5.3 The Contractor declares that in bidding for the Work and in entering into the Contract, he does so in good faith and:

- .1 that to the best of his knowledge, there are no potential conflicts of interest pursuant to:
  - .1 The Municipal Act, C.C.S.M. c. M225;
  - .2 The Municipal Council Conflict of Interest Act, C.C.S.M. c. M255; or
  - .3 the City of Brandon City Council Code of Conduct;
- .2 that to the best of his knowledge, no officer or employee of the City has any direct or indirect pecuniary interest in the Contract that has not been disclosed to and approved by the authority having jurisdiction;
- .3 he has not participated in any collusive scheme or combine;

and shall forfeit all claims under the Contract as well as refund to the City any monies paid to him, beyond his actual proven expenses for Work done, if GC5.3.1 or GC5.3.2 are shown to be false.

GC5.4 The Contractor declares that, in submitting a Tender for the Work and in entering into the Contract, he has been given an opportunity to obtain independent legal and other professional advice in connection with the Tender and the Contract.

## **GC6. CONTRACT DOCUMENTS**

GC6.1 The Contract Documents shall constitute the entire agreement between the City and the Contractor. There are no representations, warranties, covenants or agreements other than those contained in the Contract Documents.

- GC6.2 The Contract Documents are complementary and what is called for by any one shall be binding as if called for by all.
- GC6.3 Headings and titles in the Contract Documents are inserted for convenience only and shall not be considered in any construction or interpretation of the Contract.
- GC6.4 The City will provide the Contractor, without charge, sufficient copies of the Contract Documents to perform the Work, to a maximum of five (5) copies unless otherwise stated in the document.
- GC6.5 The Contract Documents are the property of the City, and shall not be copied, reproduced or revised in any manner, or used in any other work without the written authorization of the City. Any copies of the Contract Documents and any information media furnished by the City shall not be reused and, with the exception of the one set of executed Contract Documents, shall be returned to the City upon Final Completion of the Work.

**GC7. INCONSISTENCIES**

- GC7.1 The City shall have the right at any time to correct errors or omissions in the Contract Documents or to issue additional Drawings and Specifications at any time to further detail or explain the Work, all without in any way affecting or vitiating the Contract.
- GC7.2 If there is a conflict within the Contract Documents:
- .1 the order of priority of documents, from highest to lowest, shall be:
    - .1 the Agreement between the City and the Contractor;
    - .2 the Supplemental Conditions;
    - .3 the General Conditions;
    - .4 Division 01 of the Specifications;
    - .5 the remainder of the Specifications;
    - .6 the Drawings.
  - .2 Drawings of larger scale shall govern over those of smaller scale of the same date.
  - .3 dimensions shown on Drawings shall govern over dimensions scaled from Drawings.
  - .4 later dated documents shall govern over earlier documents of the same type.
- GC7.3 In the case of an obvious clerical error, the interpretation most consistent with the Contract as a whole will be accepted.
- GC7.4 The Contractor shall not be responsible for verifying that the Contract Documents are in compliance with the applicable laws, ordinances, rules, regulations, codes and orders relating to the Work. If the Contractor has knowledge that the Contract Documents are at variance therewith, or if the Contract Documents or any part thereof appear indefinite, not clear, contradictory, contain errors or omissions the Contractor shall, prior to proceeding with the Work, promptly refer such part or parts to the Engineer for interpretation and/or clarification.

## **GC8. SITE**

### **Site Conditions**

- GC8.1 Although the Drawings may indicate the location of existing surface and underground works and services, the City does not warrant the completeness or accuracy of the information or assume responsibility for discrepancies between the Drawings and the actual locations of the works and services.
- GC8.2 The Contractor shall promptly refer any substantial difference in the character or nature of the surface or subsurface conditions at the Site, or the location, character, quality or quantity of the materials to be removed than the conditions set out in the Contract Documents or other information furnished in writing for or in connection with the Contract by the Engineer for resolution in the manner prescribed in GC16 Change in Work.

### **Use of the Site**

- GC8.3 The Contractor shall not be entitled to exclusive possession of the Site. The City shall have the right, for itself, its agents, representatives and Other Contractors, to occupy any portion of the Site or the Work, at any time and for so long a time as the Engineer may by notice to the Contractor require, provided such entry, occupation and use does not prevent or otherwise interfere with the Contractor's performance of the Work. Such entry, occupation and use shall not be considered to be an acceptance of the Work by the City nor shall it relieve the Contractor of his duty to complete the Work.

## **GC9. INDEMNIFICATION**

- GC9.1 The Contractor shall indemnify and save harmless the City, its officers, agents, servants and employees, from and against all costs, damages, losses or expenses arising from actions, suits, claims, demands and proceedings, by whomsoever brought, made or taken as a result of an act or omission of the Contractor, his Subcontractor(s), and their employees or agents in the performance or purported performance of the Work, and more particularly from:
- .1 accidental injury to or death of any person whether retained by or in the employ of the Contractor or not, arising directly or indirectly by reason of the performance of the Work, or by reason of any trespass on or damage to property;
  - .2 damage to any property owned in whole or in part by the City, or that the City by duty or custom is obliged, directly or indirectly, in any way or to any degree, to construct, repair or maintain;
  - .3 damage to, or trespass or encroachment upon, property owned by persons other than the City;
  - .4 failure to promptly secure a discharge of a claim for lien served upon the City pursuant to The Builders' Liens Act;
  - .5 failure to pay a Workers Compensation assessment, or federal or provincial taxes;
  - .6 unauthorized use of any design, device, material or process covered by letters patent, copyright, trademark or trade name in connection with the Work;

- .7 inaccuracies in any information provided to the City by the Contractor.
- GC9.2 The Contractor shall be responsible for all such claims except such claims in which the injury or damage are solely a result of an act or omission of the City.
- GC9.3 If the City or the Contractor is served with a claim or notice, the party so served shall immediately inform the other party with notice in the manner provided herein.
- GC9.4 The City shall have the right, acting reasonably and upon notice to the Contractor, to settle any such action, proceeding, claim or demand and charge the Contractor with the amount so paid or to be paid in effecting a settlement.
- GC9.5 The Contractor shall pay to the City the value of all legal fees and disbursements required to settle any such claim or to defend the City against any such claim, action, proceeding, claim or demand.
- GC9.6 If the Contractor fails to make any payment required to be made to the City pursuant to GC9.4 and GC9.5, the City shall be entitled to deduct the amount of such payment from any payment required to be made by the City to the Contractor under the Contract or take whatever other remedies against the Contractor that the City may have at law.

## **GC10. BONDING**

- GC10.1 Prior to the execution of the Contract, the Contractor shall, at his own expense, provide and deliver to the City:
- GC10.1.1 A Performance Bond written on Canadian Construction Documents Committee Form CCDC 221 or similar form acceptable to the City, conditioned on the faithful performance of the terms of the Contract, including corrections after final payment provided for in GC20 hereof, and the payment of all obligations arising under the Contract, in the amount of fifty percent (50%) of the Contract Price. The Performance Bond shall remain in full force and effect for at least twelve (12) months after the date of the Certificate of Final Completion of the Work.
- GC10.1.2 A Labour and Material Payment Bond on Canadian Construction Documents Committee Form CCDC 222 or similar form acceptable to the City, covering payment for all labour and materials used or reasonably required in the performance of the Contract, conditioned on the faithful performance of the terms of the Contract for the amount of fifty percent (50%) of the Contract Price.
- GC10.2 All bonds shall be issued by the same surety or bonding company licensed to conduct the business of a surety in the Province of Manitoba. Each bond shall incorporate by reference the Contract and be signed by both the Contractor and the Surety, and the signature of the authorized agent of the Surety shall be notarized.

## **GC11. INSURANCE**

- GC11.1 Without in any way limiting the liability of the Contractor under the Contract, the Contractor shall provide, maintain and pay the premiums for any insurance it is required by law to provide, and the minimum insurance coverages listed in the Supplemental Conditions.

- GC11.2 Unless specified otherwise, the duration of each policy shall be from the date of commencement of the Work until ten (10) calendar days following the date of the Certificate of Final Completion of the Work.
- GC11.3 If the Contractor returns to the Site of the Work for the purpose of GC20 Warranty, he shall provide and maintain insurance policies in such amounts as the Engineer may require.
- GC11.4 All insurance policies shall be issued by an insurance company authorized to transact a business of insurance underwriting in the Province of Manitoba.
- GC11.5 All deductibles shall be borne by the Contractor and shall be in amounts acceptable to the City.
- GC11.6 The Contractor shall provide to the City at least thirty (30) calendar days written notice of any non renewal, cancellation, material change or amendment restricting coverage of any of the insurance policies.
- GC11.7 The Contractor shall provide the City with a certified certificate of insurance for each insurance policy no later than the date of the execution of the Contract. If requested by the Engineer, the Contractor shall provide the originals or certified true copies of all contracts of insurance maintained by the Contractor.
- GC11.8 If the Contractor fails to provide or maintain insurance as required by the Contract Documents, then the City shall have the right to provide and maintain such insurance. The Contractor shall pay the cost thereof to the City on demand or the City may deduct the cost from any amount which is due or may become due to the Contractor.

## **GC12. THE CONTRACTOR**

### **Contractor's Responsibilities**

- GC12.1 The Contractor shall execute, maintain, and complete the Work, make good all damage thereto and imperfections therein and deliver the completed Work to the City in strict accordance with the provisions of the Contract Documents. The Contractor shall be responsible for any Work not explicitly set out in the Contract Documents but that may be reasonably implied as necessary for the proper completion of the Work. Except as otherwise provided for in the Contract Documents the Contractor shall be solely responsible for construction means, methods, techniques, sequences and procedures and shall coordinate, direct and supervise the Work so as to ensure conformance with the Contract Documents.
- GC12.2 Until the issue of the Certificate of Final Completion of the Work, the Work shall be under the charge and care of the Contractor and he shall, at his own expense, do whatever is necessary to ensure that:
- .1 no person, property, livestock, right, easement or privilege is injured, damaged or infringed by reason of the Contractor's or any Subcontractor's activities in performing the Work;
  - .2 pedestrian and other traffic on any public or private road or waterway is not unduly impeded, interrupted or endangered by the performance or existence of the Work or Plant. If any of the Contractor's Work causes interference with any

existing public road, the Contractor shall provide and maintain the necessary detour roads and shall post such signs, warnings and protection as may be required for public convenience and safety;

- .3 fire hazards in or about the Work or the Site are eliminated;
- .4 the health and safety of all personnel employed in the performance of the Work or otherwise is not endangered by the method or means of its performance, and the Work is in compliance with all laws, rules, regulations and practices required by the applicable construction and safety legislation;
- .5 adequate medical services are available to all personnel employed on the Work or its Site at all times during the performance of the Work;
- .6 adequate sanitation measures are taken and facilities provided with respect to the Work and the Site;
- .7 all survey posts, monuments or bars are protected and are not removed, defaced, altered or destroyed;
- .8 all stakes, buoys and marks placed on the Work or its Site by or under the authority of the Engineer are protected and are not removed, defaced, altered or destroyed;
- .9 good order and discipline is maintained at the Site at all times;
- .10 the Site, any existing facility thereon and the Work already performed are all secure and protected from the action of the elements. The Contractor shall provide and maintain all necessary watchmen, barriers, detour routes, fences, warnings flares or lights;
- .11 City owned Plant, material or equipment is not removed from the Site without the prior written consent of the Engineer.

GC12.3 The Contractor shall provide and pay for competent, suitably qualified personnel to execute the Work and unless stated otherwise in the Supplemental Conditions, the Contractor shall provide and pay for all Plant, labour, payroll, overhead, materials, supplies, equipment, machinery, transportation, tools, appliances, fuel, power, light, heat, telephone, water and all other facilities and incidentals necessary for the execution, testing, operation, completion and maintenance of the Work.

GC12.4 Unless stated otherwise in the Supplemental Conditions, all materials, products and equipment to be incorporated in the Work shall be new, undamaged, fit for the purpose intended and shall meet or exceed the kind, quality and quantity of same specified in the Contract Documents. If required, the Contractor shall provide, at his own expense, evidence satisfactory to the Engineer that the foregoing requirement has been met.

GC12.5 If the Contractor fails to notify the Engineer in writing to obtain direction and performs any Work knowing it contains errors or omissions, is contrary to any laws, ordinances, rules, regulations, codes and orders of any authority having jurisdiction, the Contractor shall be responsible for and shall correct any variation thereof and shall bear all costs, expenses and damages attributable to his failure to comply with the provisions of such laws, ordinances, rules, regulations, codes and orders.

### **Prime Contractor**

- GC12.6 Unless expressly specified otherwise in the Supplemental Conditions, the Contractor shall be the Prime Contractor and shall serve as, and have the duties of the Prime Contractor in accordance with The Workplace Safety and Health Act, C.C.S.M. c. W210.

### **Superintendence**

- GC12.7 The Contractor shall employ a competent and responsible superintendent well skilled in the type of Work being undertaken, who shall direct and supervise the Work and be in attendance on the Site at all times while Work is being performed. The superintendent shall be the executive representative of the Contractor in his absence and directions on matters given to him verbally or in writing shall be deemed to be given to the Contractor. The presence of a superintendent on the Site shall not relieve the Contractor from his duty to personally supervise the Work. The Contractor shall inform the Engineer in writing of the name, address and telephone number of such superintendent prior to the commencement of the Work.
- GC12.8 If at any time the Engineer requires such superintendent to be replaced then the Contractor shall arrange for him to vacate his position and be removed from the Site within forty-eight (48) hours after receiving notice in writing from the Engineer to replace the superintendent with another superintendent. Any person so removed shall not be re-employed on the Work by the Contractor or by any Subcontractor. The Contractor shall not replace the superintendent without the prior written consent of the Engineer unless the superintendent proves to be unsatisfactory to the Contractor and ceases to be in his employ.

### **Subcontractor**

- GC12.9 The Contractor shall notify the Engineer in writing of his intention to subcontract. Such notification shall identify the part of the Work, and the name and location of the place of business of each Subcontractor with whom it is intended to subcontract. The Contractor shall not employ any Subcontractor to whom the City may reasonably object, such objection being made by the Engineer notifying the Contractor in writing within six (6) calendar days of receipt by the Engineer of the above notification. The Contractor shall not, without the written consent of the Engineer, change a Subcontractor who has been engaged by him. The City reserves the right to order the Contractor to dispense with the services of a Subcontractor if such services are not satisfactory to the Engineer.
- GC12.10 The Contractor with respect to Work to be performed under subcontract, shall:
- .1 enter into contracts or written agreements with his Subcontractors to bind and require them to incorporate the terms and conditions of the Contract Documents into all agreements and to perform their work in complete conformance with and subject to the terms and conditions of the Contract Documents; and
  - .2 be as fully responsible to the City for acts and omissions of his Subcontractors and of persons directly or indirectly employed by them, as for the acts and omissions of persons directly employed by him; and

.3 be responsible for conveying the interpretation or clarification of the Contract Documents, as given by the Engineer, to his Subcontractors.

GC12.11 Nothing contained in the Contract Documents shall create any contractual relation between any Subcontractor and the City. Neither the subcontracting nor shall the Engineer's consent to a subcontracting by the Contractor shall be construed to relieve the Contractor from any obligation under the Contract or to impose any liability upon the City.

GC12.12 The organization of the Specifications and Drawings into sections according to the type of work shall not control the Contractor in dividing the work among Subcontractors. The Contractor shall be solely responsible for determining the division of the Work amongst his Subcontractors.

### **Other Contractors**

GC12.13 The City reserves the right to allow other contracts in connection with the Work. The Contractor shall arrange and carry on his Work so as not to conflict with the work being carried on or to be carried on for the City by Other Contractors or by the City's employees. The Contractor shall allow them access to the Site and cooperate with them in the carrying out of their duties and obligation in the best manner possible. If any part of the Work depends for its proper execution or result upon the work of Other Contractors, the Contractor shall connect properly and co-ordinate his work with that of such Other Contractors.

GC12.14 The Contractor shall, in writing, notify the Engineer of any defects in the work of such Other Contractors that may interfere with the proper execution of the Work. If the Contractor fails to so inspect the work and report any such defects he shall have no claim against the City by reason of the defective or unfinished work of Other Contractors except for latent defects not reasonably noticeable at the time of commencement of the Work.

GC12.15 If the sending onto the Work or its Site of Other Contractors could not have been reasonably foreseen or anticipated by the Contractor when entering into the Contract and the Contractor incurs additional expense or delay in completing the Work he shall notify the Engineer who will deal with the matter as stated in GC18 Time.

### **Permits and Fees**

GC12.16 The Contractor shall, at his own expense, procure and maintain all permits, licences, and certificates required by law, ordinances, rules, regulations, codes and orders of the authorities having jurisdiction for the execution of the Work, but this shall not include the obtaining of permanent easements or rights of servitude. The Contractor shall give the required notices, pay for all required inspections and comply with the laws, ordinances, rules, regulations, codes and orders of the authorities having jurisdiction that are or become in force during the performance of the Work and that relate to the Work. If there is a discrepancy between any laws, ordinances, rules, regulations, codes and orders the most stringent shall apply.

GC12.17 If the Contract requires or the Contractor desires the use of any design, device, material or process covered by letters of patent or copyright, trademark or trade name, the Contractor shall provide for, at his own expense, such use by suitable legal

agreement with the patentee or owner and a copy of said agreement shall be filed with the City upon request. If the City or the Contractor is prevented by injunction from using any patent, design, device, material or process, or any trade mark, trade name or copyright, the Contractor, shall, at his own cost, substitute an equally suitable product, part or method of carrying out the Work, all subject to the prior written approval of the Engineer.

### **GC13. THE ENGINEER**

#### **Authority of the Engineer**

- GC13.1 The Engineer will be the City's representative throughout the duration of the Work and shall have authority to act on behalf of the City to the extent expressly provided for in the Contract Documents. The Engineer will be solely responsible for the interpretation or clarification of the Contract Documents or any part thereof that appears indefinite, not clear or contradictory to the Contractor. The Contractor shall obey, perform and comply with the Engineer's orders or instructions with respect to the Work, or concerning the conduct thereof, promptly, efficiently and to the satisfaction of the Engineer, and he will assist Other Contractors, their employees and agents, and those of the City, to do the same.
- GC13.2 If the Engineer does not give any direction, instruction or order with respect to the Work, or any part thereof, the Contractor shall not thereby be relieved on any responsibility under the Contract. It is understood and agreed that the Engineer owes no duty either of superintendence or of supervision of the Work to the Contractor; and that each of the provisions of the Contract Documents shall be construed accordingly.
- GC13.3 The Contractor shall permit the Engineer to have access to the Work and the Site at all times and the Contractor shall give the Engineer, free of cost to the City, any and all possible assistance and any such information respecting the performance of the Work, whether at the Site of the Work, or at the premises of the Contractor or any Subcontractor, to enable the Engineer to carry out his duty to see that the Work is performed in accordance with the Contract Documents.
- GC13.4 The Engineer shall have the authority to object to any person employed or retained by the Contractor in the execution of the Work who is in the opinion of the Engineer incompetent, negligent, disrespectful, disorderly or conducting himself improperly. The Contractor shall forthwith remove the person so objected to. The Engineer may refuse to issue any progress estimate and/or certificate to the Contractor while such person remains engaged upon the Work.

### **GC14. INSPECTION**

- GC14.1 The Engineer shall have full authority to examine, inspect, test, approve or reject all Plant, materials, equipment, methods or procedure and workmanship without in any way relieving the Contractor from his responsibilities under the Contract. The Engineer shall be the sole judge of determining whether the kind, quantity and quality of the Plant, materials, equipment, methods or procedure and workmanship meet or exceed the requirements of the Contract Documents.

- GC14.2 The Contractor shall before beginning or resuming operations upon any portion of the Work, give the Engineer at least three (3) calendar days notice of his intention to commence work at a certain time and date. It will be the responsibility of the Engineer to ensure that he or his representative is available to inspect the Work, providing that the Contractor has given the required notice.
- GC14.3 If the Contractor covers or permits to be covered any of the Work that is subject to inspection or testing without the prior approval of the Engineer, the Contractor shall, at his sole expense, forthwith take down, expose and rebuild any portion of the Work in order that the Engineer can inspect the Work.
- GC14.4 If, at any time after the commencement of the Work but prior to the expiry of the warranty period, the Engineer has reason to believe that the Work or any part thereof has not been performed in accordance with the Contract Documents, the Engineer may have that Work examined by a qualified person of his choice. If, as a result of an examination of the Work referred to above, it is established that the Work was not performed in accordance with the Contract Documents, then, in addition to and without limiting or otherwise affecting any of the City's rights and remedies under the Contract or at law, the Contractor shall pay the City, on demand, all reasonable costs and expenses that were incurred by the City in having that examination performed.

## **GC15. CORRECTION OF DEFICIENCIES**

- GC15.1 The City shall have the right to any one of and all of the following options in addition to those provided elsewhere in the Contract Documents and to its ordinary remedies at law if, in the opinion of the Engineer, the Work or any part thereof attributable to the Contractor is determined to be defective or deficient:
- .1 If the Engineer shall direct the Contractor to repair, reconstruct, or replace the Work determined to be defective or deficient, the Contractor shall, at his sole expense, and in the manner and within the time period specified, carry out the orders of the Engineer in that respect.
  - .2 If the Contractor fails or neglects to act as set out above the City may correct or replace the Work determined to be defective or deficient either by the City's own forces or by an Other Contractor. The cost of correcting or replacing same shall be paid to the City immediately by the Contractor upon receipt of written notice from the City setting out the amount to be so paid. If the Contractor fails to make payment to the City as required hereby, the City may deduct the amount of such payment from any payment required to be made to the Contractor under this Contract. If, in the opinion of the City, the Contractor has received all payments due to him under the Contract, the Surety shall make such payment immediately upon receipt of written notice from the City stating the amount to be so paid.
  - .3 If, in the opinion of the Engineer, it is not expedient to correct the Work determined to be defective or deficient, the City may deduct from the Contract Price the difference in value between the Work as done and that called for by the Contract Documents, the amount of which will be determined by the Engineer.

- .4 Pending action under the above, the City shall have the right to use the Work or any portion thereof, without in any way affecting its right of rejection of any Work determined to be defective or deficient or relieving the Contractor of responsibility to complete the Work.

GC15.2 If the Contractor disagrees with any decision or direction of the Engineer on any of the foregoing matters, the Contractor shall comply with the decision or direction of the Engineer but may appeal the decision in accordance with GC23 Dispute Resolution.

## **GC16. CHANGE IN WORK**

### **City's Right to Change Work**

GC16.1 The City shall have the right, at any time before or after the execution of the Contract or at any time during the prosecution of the Work prior to the issuing of the Certificate of Final Completion of the Work to order a Change in Work without in any way affecting or vitiating the Contract, and the Contractor shall carry out such Change in Work upon receipt of a Change Order issued by the Engineer.

### **Change of Costs**

GC16.2 The Contract Price will not be increased or decreased by reason of any increase or decrease in the cost of the Work to the Contractor that arises as a result of an increase or decrease in the cost of labour, Plant, material or otherwise unless the increase or decrease is a result of a change in a tax imposed under:

- .1 the Excise Act, R.S.C., 1985, c. E-14;
- .2 the Excise Tax Act, R.S.C., 1985, c. E-15;
- .3 the Customs Act, R.S.C., 1985, c. 1;
- .4 the Customs Tariff S.C. 1997, c. 36; or
- .5 The Retail Sales Tax Act, C.C.S.M. c. R130;

that occurs after the Submission Deadline and directly affects the cost to the Contractor of that commodity or service.

GC16.2.1 If a change in tax takes effect after the Submission Deadline but public notice of the change has been given by either the Federal or Provincial Minister of Finance before that date, the change shall be deemed to have occurred before the Submission Deadline.

GC16.3 If a change in tax occurs, the Contract Price will be increased or decreased by an amount equal to the amount that is established, by an examination of the relevant records of the Contractor, to be the increase or decrease in the cost incurred that is directly attributable to that change.

### **Change of Quantity**

GC16.4 If the amount of the Work originally intended to be done under the Contract is increased by more than 20% of the Estimated Quantity, any negotiated revision to the

Contract Price will only apply to the quantities that are in excess of 120% of the Estimated Quantity in the Unit Price Schedule.

- GC16.5 If the amount of the Work originally intended to be done under the Contract is diminished by more than 20% of the Estimated Quantity, any negotiated revision to the Contract Price will only apply to the quantities of the actual Work performed but under no circumstances will the amount payable exceed that amount that would have been payable to the Contractor had the estimated total quantity actually been performed, used or supplied. No claim shall be made for damages on the grounds of loss of anticipated profit on Work so diminished or on any other grounds provided however that the value of the diminution shall not exceed 20% percent of the Contract Price.
- GC16.6 If a change results in a diminution of Work after commencement of the Work or any part thereof resulting in extra cost to the Contractor, for which he would not be entitled to payment on a unit price basis, or in loss of Work already completed but not paid for, or loss to the Contractor in respect of material or equipment purchased by him for the Work but not used thereon as required by the City, compensation shall be made to the Contractor by the City in the sum or sums to be fixed by the Engineer.

#### **Change of Contract Price**

- GC16.7 The Engineer shall determine the value of any Change in Work by one or more of the following methods:
- .1 at the Contract Unit Price(s) for similar work; or
  - .2 at the rate or rates per unit or a lump sum amount subsequently agreed upon; or
  - .3 by the actual cost of the Work to the Contractor plus 15% on any portion of the Work undertaken by the Contractor's own forces or 10% on any portion of the Work undertaken by a Subcontractor. Equipment costs will be paid for at the rental rates set forth in the written order, or otherwise in accordance with The City of Brandon Construction Vehicles & Equipment Rentals Firm Price Listing.
- GC16.8 If the value of the Change in Work is to be determined by either method .1 Unit Price or .2 Lump Sum above, the Contractor shall present his proposed change in the Contract Time and/or Contract Price to the Engineer, supported by appropriate documentation in a form acceptable to the Engineer prior to the commencement of the proposed Work. The Engineer will evaluate and verify the acceptability of such proposal and, if approved by the Engineer, a Change Order will be issued to the Contractor amending the Contract Time and/or Contract Price. The Change Order will stipulate the form of presentation of costs and methods of measurement.
- GC16.9 If the value of the Change in Work is to be determined by method .3 Cost Plus above, the cost of performing the work attributable to the Change in Work shall be limited to the actual net change in the cost of the following:
- .1 salaries, wages and benefits paid to the Contractor's employees under a salary or wage schedule agreed upon by the City and the Contractor, or in the absence of such a schedule, actual salaries, wages and benefits paid by the Contractor, for employees engaged in:

- .1 performing the work on the Site attributable to the Change in Work;
  - .2 in the production or transportation of Products, at shops or on the road;
  - .3 engaged in the preparation or review of Contractor's Specifications and Contractor's Drawings.
- .2 contributions, assessments or taxes incurred for such items as employment insurance, provincial or territorial health insurance, workers' compensation, and Canada or Quebec Pension Plan, that are based on wages, salaries or other remuneration paid to employees of the Contractor and included in the cost of the Work as provided in GC16.9.1;
  - .3 travel and subsistence expenses of the Contractor's personnel described in GC16.9.1;
  - .4 all Products including cost of transportation thereof;
  - .5 Plant, including transportation and maintenance thereof, and , materials, supplies which are consumed in the performance of the Work; and cost less salvage value on such items used but not consumed, which remain the property of the Contractor;
  - .6 equipment and services required for the Contractor's field office;
  - .7 removal and disposal of waste products and debris;
  - .8 safety measures and requirements;
  - .9 the amounts of all subcontracts;
  - .10 quality assurance such as independent inspection and testing services;
  - .11 charges levied by authorities having jurisdiction;
  - .12 royalties and patent licence fees;
  - .13 premiums for bonds and insurance which the Contractor is required, by the Contract Documents, to purchase and maintain;
  - .14 forfeited deposits; and
  - .15 taxes and duties for which the Contractor is liable.

GC16.9.1 The Contractor shall maintain and keep detailed daily records of each piece of work covered by the Change Order, showing the names of the workers engaged thereon, the number of hours each worker was employed, the number of hours Plant and equipment was employed thereon and the quantities of material necessary for and consumed in the performance of the Change in Work. These daily records shall be made in duplicate each day and submitted to the Engineer for verification. If requested by the Engineer, the Contractor shall submit receipted invoices for all materials and services utilized in the performance of the Change in Work. The Contractor shall provide the Engineer with every facility for the compilation of cost records, and when requested shall supply all data necessary for such purpose from payrolls, time books, invoices, and all other sources from which the City may find it necessary to obtain information.

GC16.10 If the method of valuation, measurement or change in Contract Time and/or Contract Price cannot be promptly agreed upon prior to the commencement of the proposed Work and the Engineer requires the same to proceed, then the Engineer in the first instance will determine the method of valuation, measurement and the change in

Contract Time and/or Contract Price. The Engineer will issue a Change Order setting out the method of valuation, measurement and any change in the Contract Time and/or Contract Price. The Contractor shall proceed with the Work and the matter shall be subject to final determination in the manner set out in GC23 Dispute Resolution. The Engineer shall certify the value of the Work performed in accordance with his own valuation and measurement of the Work and shall also certify any change in Contract Time and/or Contract Price.

## **GC17. PAYMENT**

### **Engineer's Progress Estimate**

GC17.1 The Contract Price to be paid by the City to the Contractor will be the sums certified by the Engineer in the interim and final progress estimates; such sums to be ascertained and determined by the Engineer as follows:

- .1 For Unit Price Contracts, upon the basis of the Contract Unit Prices for the various classes of the Work included in the Unit Price Schedule or Change Order(s). These Contract Unit Prices are gross prices including duty, freight, cartage, Provincial (RST) and Federal taxes (GST excluded) and all charges governmental or otherwise paid and including profit and all compensation that shall be due to the Contractor for supplying labour, materials, Plant, supervision and all details necessarily connected with the completion of the Work and all risks and contingencies connected therewith. The total amount to be paid to the Contractor for the Work described in the Contract will be the amount arrived at by measuring the net amount of each class of the Work listed in the Unit Price Schedule, and pricing the same, in accordance with the Contract Unit Prices therein.
- .2 For Lump Sum Contracts, upon the basis of the lump sum price included in the Agreement or Change Order(s). The lump sum price shall be a gross price including duty, freight, cartage, Provincial (RST) and Federal taxes (GST excluded) and all charges governmental or otherwise paid and including profit and all compensation that shall be due to the Contractor for supplying labour, materials, Plant, supervision, and all details necessarily connected with the completion of the Work and all risks and contingencies connected therewith. Payments will be made in proportion to the progress of the Work, as determined by the Engineer, during the term of the Contract.

GC17.2 By the fifth (5th) calendar day after the end of any month during which any Work has been completed, the Contractor shall deliver to the Engineer an application for payment signed by the Contractor which accurately sets forth all such Work completed during the month and the amount claimed therefore in accordance with the valuation method set out in the Contract Documents.

GC17.3 Subject to the timely receipt of the Contractor's application for payment pursuant to GC17.2, by the fifteenth (15th) calendar day after the end of any month, or as soon thereafter as possible, the Engineer will prepare a monthly progress estimate setting out the quantity and value of the Work performed during the preceding month that in the opinion of the Engineer is in accordance with the Contract Documents and was not included in any previous progress estimate relating to the Contract.

- GC17.4 The City will make payment to the Contractor on account of the progress estimate by the later of:
- .1 the twenty-fifth (25th) calendar day after the end of the month for which the Contractor's application for payment was made; or
  - .2 twenty (20) calendar days after receipt by the Engineer of the Contractor's application for payment pursuant to GC17.2.

GC17.5 Payments shall be subject to holdbacks pursuant to the provisions of the Contract Documents, The Builders' Liens Act or any other applicable statute, regulation or by-law.

### **Payment Withheld**

- GC17.6 The City may withhold or on account of subsequently discovered evidence, nullify the whole or part of any progress estimate to the extent necessary to protect the City from loss on account of any one or more of the following if the Contractor:
- .1 abandons the Work; or
  - .2 is adjudged bankrupt or insolvent; or
  - .3 makes a general assignment for the benefit of his creditors; or
  - .4 has a receiver or liquidator appointed in respect of his assets; or
  - .5 is in the judgment of the Engineer not executing or has not been executing the Work, or any part thereof, in a sound and workmanlike manner and to his satisfaction and in all respects in strict conformity with the Contract; or
  - .6 in the judgment of the Engineer, is not progressing continuously with the Work or any part thereof, and in such a manner as to ensure the proper completion of the Work or any part thereof, within the time stipulated; or
  - .7 refuses or neglects forthwith, when so ordered, to conduct the Work so as to ensure its completion, in the opinion of the City, within the time stipulated; or
  - .8 fails to submit a schedule or revised schedule of work activities for the Work to the Engineer for approval when such schedule has been requested by the Engineer; or
  - .9 has not completed the work within the time required; or
  - .10 refuses or neglects to take down, rebuild, repair, alter or amend any defective or unsatisfactory Work, or to remove any condemned material or workmanship, or to comply with any reasonable order in connection therewith that he may receive from the Engineer; or
  - .11 fails to make prompt payment to his Subcontractors, his employees or on account of the purchase or rental of material or Plant; or
  - .12 fails to promptly secure a discharge of a claim for lien or trust claim served upon the City pursuant to The Builders' Liens Act or The Workers Compensation Act, C.C.S.M. c. W200; or
  - .13 persistently disregards any laws, bylaws and statutory regulations; or
  - .14 fails to sign a Certificate of Final Completion of the Work as required; or

- .15 fails to employ or keep a competent Superintendent on the Work or to replace the Superintendent as required by the Engineer; or
- .16 fails to comply with the provisions of the Schedule of Work; or
- .17 commits any other material breach of this Contract that in the opinion of the City indicates an unwillingness or inability upon the part of the Contractor to carry out the terms thereof; or
- .18 fails to make good any loss or damage for which he is liable under GC11 Insurance within a reasonable time after being required to do so by the Engineer.

GC17.7 The failure of the City to deduct or withhold an amount referred to above shall not constitute a waiver of the right of the City to do so, or an admission of lack of entitlement to do so in any subsequent payment to the Contractor.

GC17.8 The City may make payment to such persons (including the City) as shall be entitled thereto for any or all amounts for which the Contractor or any Subcontractor is shown to be indebted or liable to pay in respect of wages, labour, services, the purchase of material, or rental of Plant furnished for the Work. Payment of such amounts shall discharge the City's liability to the Contractor to the same extent as payment directly to him.

## **GC18. TIME**

### **Contract Time**

GC18.1 The Contractor shall complete the Work in accordance with the Contract Documents and to the satisfaction of the Engineer within the specified Contract Time.

GC18.2 Except as provided for in the definition and application of Working Days, the Contractor shall assume all risk for reasonably foreseeable conditions such as weather within seasonal norms and shall not be entitled to extension of Contract Time or costs due to delay therefore.

### **Working Days**

GC18.3 If the Contract Time is specified as a number of Working Days, counting of Working Days shall commence on the earlier of fourteen (14) calendar days after the award of Contract or the day the Contractor commences Work, and will continue to be assessed until the Certificate of Final Completion of the Work is issued. The Engineer will at the end of each day certify on a inspection report as to whether or not the day is to be considered as a Working Day.

### **Schedule of Work**

GC18.4 The Contractor shall, prior to commencement of the Work, prepare and submit for the Engineer's approval, a Schedule of Work listing the order in which the Contractor proposes to carry on the Work, including the dates at which major or critical portions of the Work will commence and be completed, and confirming the construction start date and the completion date, the latter date being no later than the date specified in the Agreement for Final Completion of the Work. Once accepted by the Engineer, the

Schedule of Work shall not be changed by the Contractor without the Engineer's approval. The Contractor shall be responsible for ensuring that all Work is carried out in accordance with and within the time limits set out in the Schedule of Work.

- GC18.5 If the progress of the Work falls behind the most recent approved Schedule of Work or is delayed for any reason other than one for which an extension of Contract Time is provided for under GC18 Time, the Contractor shall, at his sole cost work such additional time, including weekends and holidays, employ additional workers, or both as may be required to bring the work back on schedule.

### **Delays**

- GC18.6 If the Contractor is delayed in the performance of the Work by:
- .1 a stop work order issued by a court or other public authority having jurisdiction and providing that such order was not issued as the result of an act or fault of the Contractor or anyone employed or engaged by him directly or indirectly;
  - .2 labour disputes, legitimate or legal strikes, lock-outs (including lock-outs decreed by a recognized contractors' association for its members of which the Contractor is a member);
  - .3 acts of God;
  - .4 unavoidable casualties;
  - .5 any other cause that is totally beyond his control, fault or negligence; or
  - .6 any other cause within the Contractor's control that the Engineer has determined is justified;
  - .7 any unduly prolonged delay upon the part of the City;

then the Contract Time will be extended for a period of time equal to the time lost due to such delay.

- GC18.7 No extension of Contract Time or claim for costs due to delay will be granted by the Engineer unless a written notice, clearly stating the cause of delay and the length of extension requested, is received by the Engineer from the Contractor within seven (7) calendar days of the date on which the cause of the delay arose. In the case of a continuing cause of delay, only one notice shall be necessary. Failure to provide such notice shall constitute a waiver by the Contractor of any claim. The Engineer may require that any request for an extension of Contract Time be accompanied by a written consent of the Surety whose bonds form part of the Contract Documents.

### **Liquidated Damages**

- GC18.8 Subject to the extensions of Contract Time as provided for herein, if the Contractor fails to achieve Final Completion of the Work in accordance with the Contract Documents and to the satisfaction of the City by the day fixed in the Agreement for Final Completion of the Work, the Contractor shall pay the City the sum stipulated in the Agreement as liquidated damages (and not as penalty) for each and every calendar day following that day fixed for Final Completion of the Work and ending on the day immediately preceding the date of the Certificate of Final Completion of the Work.

## **GC19. CERTIFICATE OF FINAL COMPLETION OF THE WORK**

- GC19.1 On the day that Final Completion of the Work is achieved, and the Contractor has complied with the Contract Documents and all orders and directions made pursuant thereto, to the satisfaction of the Engineer, the Engineer will issue a Certificate of Final Completion of the Work to the Contractor.
- GC19.2 No payment made to the Contractor and no partial or entire use or occupancy of the Work by the City shall be taken as an accurate setting forth of the state of the Work or as an acceptance of any Work or material not in accordance with the Contract Documents. Neither the issue of a Certificate of Final Completion of the Work nor payment of the final progress estimate shall relieve the Contractor from his responsibility either under GC20 Warranty hereof or as a result of any breach of this Contract by the Contractor including but not limited to faulty or defective Work appearing after Final Completion of the Work, failure of the Work to comply with the Contract Documents or the requirement to comply with the terms of any special guarantees set out in the Supplemental Conditions, nor shall it conclude or prejudice any of the powers of the Engineer or the City.
- GC19.3 Subject to his right to appeal pursuant to GC23, acceptance by the Contractor of payment of the final progress estimate and the Certificate of Final Completion of the Work shall constitute a waiver and release by him of all claims against the City whether for payment for Work done, damages or otherwise arising out of the Contract, except those previously made and still unsettled, if any.

## **GC20. WARRANTY**

- GC20.1 The Contractor shall, unless specifically stated otherwise in the Contract Documents, at his sole cost and expense, maintain the Work against any and all defects or deficiencies that may arise for a period of twelve (12) months from the date of the Certificate of Final Completion of the Work.
- GC20.1.1 If because of conditions reasonably beyond the control of the Contractor, a portion of the Work cannot be completed but that portion does not prevent the balance of the Work from being put to its intended use, the City may at its sole discretion permit the warranty period for all or part of the completed portion of the Work to commence prior to the issuance of the Certificate of Final Completion of the Work.
- GC20.2 Upon receipt of written notice from the City, the Contractor or his Surety shall, at his sole cost and expense, remedy any defect or deficiency, and remedy any and all damage that may arise or result from the defect, deficiency or the correction of same, or otherwise identified by the Engineer within the twelve (12) month period as aforementioned, in the manner and within the time periods specified in the said notice.
- GC20.3 If the Contractor fails or neglects to act for any reason whatsoever to remedy the defects or deficiencies or otherwise in the manner and within the time periods specified in the said notice, the City may take all steps necessary to have the defects, deficiencies or otherwise remedied either by the City's own forces or by another contractor acceptable to the City and the Surety. The cost of such remedial work shall be paid to the City by the Contractor within seven (7) calendar days of receipt of

written notice from the City to the Contractor setting out the amount to be paid. If the Contractor fails to make payment to the City as required hereby, the City shall deduct the amount of such payment from any payment required to be made to the Contractor under this Contract.

- GC20.4 If the Contractor fails to make payment to the City as required hereunder, the Surety shall make such payment to the City within seven (7) calendar days of receipt of written notice from the City setting out the amount to be so paid.
- GC20.5 Notwithstanding the generality of the foregoing:
- .1 If repairs must be made immediately, by reason of an emergency existing or otherwise, the City shall have the right to undertake such repairs and charge the cost of making such repairs to the Contractor or his Surety, except that the City shall immediately notify the Contractor or his Surety and shall withdraw its forces as soon as the Contractor's or the Surety's forces assume performance of the repair.
  - .2 All costs resulting from the need to undertake remedial work during the warranty period as aforesaid, whether by the Contractor, his Subcontractor or by the City, as provided herein, shall be borne by the Contractor or his Surety. In addition, the Contractor shall be liable to the City for all expenses, losses or damages incurred by the City as a result of such defects, deficiencies or otherwise referred to herein or as a result of the Contractor's failure to meet the warranty requirements specified herein, including, but without limiting the generality hereof, all costs of engineering, inspection and testing.
- GC20.6 If the Contractor can prove, following completion and payment for the remedial work, that the defect, deficiency or otherwise was attributable to a design defect, deficiency or otherwise or resulted from third party damage not attributable to the Contractor or his Subcontractor, the City shall promptly reimburse the Contractor for the cost of undertaking such remedial work. If the Contractor fails for any reason whatsoever to remedy the defect, deficiency or otherwise in the manner and within the time limit specified in herein, the Contractor shall not be entitled to repayment of any monies that he is required to pay the City as outlined in the above.
- GC20.7 If a defect or deficiency prevents the full and normal use or operation of the Work or any portion thereof, for purposes of calculating the warranty period, time shall be deemed to cease to elapse for the defective or deficient portion, and for any portion of the Work whose use or operation is prevented by such defect or deficiency, as of the date on which the defect or deficiency is observed or the use or operation is prevented and shall begin to run again when the defect or deficiency has been corrected or the Work may be used or operated to the satisfaction of the Engineer.
- GC20.8 Notwithstanding the provisions of this Article, if any statute in force in the Province of Manitoba or in the jurisdiction where the material was manufactured or if a manufacturer's warranty extends beyond the warranty period specified in the Contract Documents, then the provisions of such statute or manufacturer's warranty shall apply.

## **GC21. SUSPENSION OF WORK**

### **City's Right to Stop Work**

- GC21.1 The City has the right and may, by an order in writing, at any time stop or suspend all or any part of the Work, or direct any portion to be commenced or completed in priority to any other part or portion, or may cancel the order to proceed with the Work, or with any part thereof, and the Contractor shall not thereby be entitled to any claim of or loss of profit, or anticipated profit, or for damages or for any additional payment by reason of such order. The Contractor shall comply with such orders immediately and suspend all operations in respect of the Work except those that, in the opinion of the Engineer are necessary to secure the Site and any existing facilities thereon in a proper and satisfactory condition for the safe accommodation of the public, and for the effectual protection of the Work, Site, Plant and material from the weather, vandalism or other causes, and shall so maintain it.
- GC21.2 The Contractor shall not, during a period of suspension, remove any part of the Work, Plant or material from the Site without the consent of the Engineer. No such suspension shall vitiate this Contract or any part thereof, and at any time after such Work has been suspended, such Work may again be resumed in whole or in part at the option of the Engineer. Upon the Contractor receiving written notice from the City that such Work or any part thereof is to be resumed he shall at once resume Work and diligently carry on the same.
- GC21.3 The Contractor shall not proceed to prosecute any portion of the Work, against the orders of the Engineer. In the case of any portion of the Work prosecuted contrary to the orders of the Engineer the cost of such taking known or exposure, and re-building if any shall fall upon the Contractor.

### **Contractor's Right to Suspend Work or Terminate Contract**

- GC21.4 If the Work is stopped or otherwise delayed for a period of sixty (60) calendar days or more under an order of any court, or other public authority, and providing that such order was not issued as the result of an act or fault of the Contractor, or anyone directly or indirectly employed by him, or if the City fails to pay the Contractor within sixty (60) calendar days of its maturing and presentation, any sum certified by the Engineer or awarded by arbitrators, then the Contractor may, upon seven (7) calendar days written notice to the City, stop work or terminate this Contract and recover from the City payment for all Work done and any loss sustained upon any Plant or material with reasonable profit and damages.

## **GC22. FORFEITURE OF CONTRACT**

- GC22.1 The City shall have the full right and power to take the whole of the Work, or any part or parts thereof, out of the hands of the Contractor, and may employ such means as the City sees fit to have the Work completed, without process or action at law, upon giving the Contractor written notice, a copy of which notice shall be given to the Surety, or the local agent of the latter, if the Contractor:
- .1 abandons the Work; or
  - .2 is adjudged bankrupt or insolvent; or

- .3 makes a general assignment for the benefit of his creditor without the City's consent; or
  - .4 has a receiver or liquidator appointed in respect of his assets; or
  - .5 is in the judgment of the Engineer not executing or has not executed the Work, or any part thereof, in a sound and workmanlike manner and to his satisfaction and in all respects in strict conformity with the Contract Documents; or
  - .6 in the judgment of the Engineer, is not progressing with the Work or any part thereof continuously and in such a manner as to ensure the proper completion of the Work or any part thereof, within the time stipulated in the Contract Documents; or
  - .7 refuses, neglects or fails forthwith, when so ordered, to conduct the Work so as to ensure its completion, in the opinion of the Engineer, within the time stipulated; or
  - .8 has not completed the Work within the time required; or
  - .9 refuses, neglects or fails to take down, rebuild, repair, alter or amend any defective or unsatisfactory Work, or to remove any condemned material or workmanship, or to comply with any reasonable order in connection therewith that he may receive from the City; or
  - .10 fails to make prompt payment of wages to his, employees, Subcontractor or accounts for the purchase or rental of material or Plant; or
  - .11 fails to promptly secure a discharge of a lien or trust claim, served upon the City, pursuant to The Builders' Liens Act, within thirty (30) calendar days after receipt of written notice of the claim from the City; or
  - .12 persistently disregards any laws, by-laws or regulations; or
  - .13 commits any other material breach of this Contract that in the opinion of the City indicates an unwillingness or inability upon the part of the Contractor to carry out the terms thereof.
- GC22.2 Upon such notice being given to the Contractor, he shall subject to any conditions stipulated in the notice, immediately discontinue the Work or any part or parts thereof specified in the notice.
- GC22.3 The Surety may, at its option, assume this Contract in respect of the whole of the Work, or the portion thereof specified in the notice on which the City has ordered the Contractor to discontinue the Work, as the case may be, and proceed to perform same, and may with the written consent of the City sublet the Work or portion of the Work so taken over; provided however that the Surety shall exercise its option, if at all, within fourteen (14) calendar days after written notice to discontinue the Work has been served upon the Contractor and a copy of same upon the Surety or the local agent of the latter.
- GC22.4 The Surety in such event shall take the Contractor's place in all respects, shall be bound by all terms and conditions of Contract Documents and shall be paid by the City in accordance with the terms of the Contract for all Work performed by it.
- GC22.5 If the Surety does not within fourteen (14) calendar days exercise its right and option to assume the Contract as aforesaid or if there is no Surety, then the City shall have

- the power to complete by contract or otherwise as it may determine, the Work hereinbefore referred to or such portion of it as the City may deem necessary, and the Contractor agrees that the City shall have the right to take possession of and use any of the materials, Plant, supplies and property of every kind provided by the Contractor for the purpose of the Work and to procure other Plant and materials for the completion of the same. The City shall not be required to obtain the lowest price for the Work taken over from the Contractor.
- GC22.6 If the Work or any part hereof is taken out of the Contractor's control, all Plant and material and the interest of the Contractor in all licences, powers and privileges acquired, used or provided by the Contractor under the Contract shall be assigned by the Contractor to the City without compensation to the Contractor. When the Engineer certifies that any Plant, material, or any interest of the Contractor referred to above is no longer required for the purpose of the Work, or that it is not in the best interest of the City to retain that Plant, material, or interest, it shall revert to the Contractor.
- GC22.7 If the cost to the City, as certified by the Engineer, of completing the Work or portion thereof as aforesaid, be less than the amount to which the Contractor would have been entitled under the Contract for so doing, the Contractor shall have no claims in respect thereof against the City. If such certified cost of the Work performed by the City is more than the amount to which the Contractor would have been entitled under the Contract for the same Work, then the City shall have a claim against the Contractor for all additional costs of the Work that have been incurred by the City in addition to the amount of any liquidated damages that the City is entitled to hereunder from the date fixed for Final Completion of the Work in the Contract Documents and the Contractor shall pay the amount of such cost of the Work together with liquidated damages as provided for herein to the City upon notice from the City setting out the amount so due. When any particular part of the Work is being carried on by the City, by contract or otherwise, under the provisions of this Clause, the Contractor shall continue the remainder of the Work in conformity with the terms and conditions of the Contract, and in such manner as in no way to hinder or interfere with the Other Contractor, or workers employed by the City.
- GC22.8 If the whole or any part of the Work is taken out of the Contractor's hands, the Contractor's right to any further payment that is due or accruing due under the Contract is extinguished, and the Contractor is liable to pay the City, upon demand, and amount that is equal to the amount of all loss and damage incurred or sustained by the City in respect of the Contractor's failure to complete the Work.
- GC22.9 The taking of the Work or any part thereof out of the Contractor's control pursuant to the above does not relieve or discharge the Contractor from any obligation under the Contract or imposed upon him by law except the obligation to complete the performance of that part of the Work that was taken out of the Contractor's control.
- GC22.10 If the Contractor disagrees with any decision or direction of the Engineer on any of the foregoing matters, the Contractor shall comply with the decision or direction of the Engineer but may appeal the decision in accordance with GC23 Dispute Resolution.

## **GC23. DISPUTE RESOLUTION**

### **Compliance with Engineer's Decision**

- GC23.1 If the Contractor disagrees with any decision or direction of the Engineer, the Contractor shall nonetheless comply with the decision or direction of the Engineer.
- GC23.2 Such compliance by the Contractor shall not be construed as an admission by the Contractor of the correctness of that decision or direction, or prevent the Contractor from appealing the decision or direction that is the subject of the protest.

### **Appeals**

- GC23.3 If the Contractor disagrees with any decision or direction of the Engineer, the Contractor must, within seven (7) calendar days after receiving the notice of the Engineer's decision or direction, notify the City in writing of his contention with respect thereto and request a determination thereon from the City Manager.
- GC23.3.1 Such notice shall set forth particulars of the matters in dispute, and if applicable, state the probable extent and value of the damages and the relevant provisions of the Contract Documents.
- GC23.3.2 If the Contractor fails to so notify the City for a determination within seven (7) calendar days after receiving the notice of the Engineer's decision or direction, the Contractor shall be deemed to have waived any said claim. Oral appeals or oral protests shall not amount to substantial compliance with any of the provisions of this Clause.
- GC23.4 If the Contractor disagrees with the determination of the City Manager, the Contractor must within seven (7) calendar days after receiving notice of the City Manager's determination, notify the City in writing of his contention with respect thereto.
- GC23.4.1 If the Contractor fails to so notify the City within seven (7) calendar days after receiving the notice of the City Manager's determination, the Contractor shall be deemed to have waived any said claim. Oral appeals or oral protests shall not amount to substantial compliance with any of the provisions of this Clause.
- GC23.5 If the Contractor neglects or fails to observe fully and faithfully the above conditions, he shall forfeit all right to any claim for additional payment therefore over and above that approved by the Engineer, or any other remedy that the Contractor otherwise might have had, and shall not make any claim in respect thereof, and if made, the City may reject the same as invalid and he shall not have any right of recovery in respect thereof, at law or otherwise.

### **Arbitration**

- GC23.6 If at any time during the period that this Contract is in force or after the dissolution or determination thereof, any dispute, difference or question shall arise between the City and the Contractor regarding this Contract or the accounts or transaction thereof, or the construction, meaning or effect of these presents or otherwise in relation to the

- premises, then every such dispute, difference or question shall be referred to arbitration.
- GC23.7 The Arbitration Act, C.C.S.M. c. A120 shall apply to the arbitration in all respects except as expressly otherwise provided in these General Conditions.
- GC23.8 No arbitration shall proceed before the date of Substantial Performance of the Work unless both the City and the Contractor agree that the matter in dispute requires immediate consideration while evidence is available, or in the case of legal proceedings, or where the action may become proscribed by reason of delay.
- GC23.9 Except as hereinafter provided otherwise, the arbitral tribunal shall be composed of three arbitrators, one to be appointed by each party to the reference and the third to be appointed by the first named two arbitrators in writing before they enter upon the business of the reference.
- GC23.10 Either party may notify the other party in writing of his desire to submit the difference, dispute or question to arbitration. Said notice shall name the arbitrator appointed by the party giving notice.
- GC23.11 The party receiving the notice shall, within ten (10) calendar days, reply to the party giving the notice, and name the arbitrator appointed by the party receiving the notice.
- GC23.12 The two arbitrators appointed shall within ten (10) calendar days of the date on which the last of them was appointed, appoint a third arbitrator who shall be the chairperson of the arbitral tribunal.
- GC23.13 If the party receiving the notice refuses or neglects to appoint an arbitrator within ten (10) calendar days, then the arbitrator first appointed shall proceed to hear and determine the matters in difference as if he were an arbitrator appointed by both parties for that purpose, and the award or determination shall be made by the said arbitrator.
- GC23.14 The chairperson of the arbitral tribunal, or the single arbitrator pursuant to GC23.13, shall determine the procedure to be followed in the arbitration.
- GC23.15 Except as hereinafter provide otherwise, the City and the Contractor shall each bear all costs and expenses associated with the appointment of its arbitrator. The City and the Contractor shall bear all other costs and expenses associated with the arbitration equally.
- GC23.15.1 If, pursuant to GC23.13, the arbitral tribunal is composed of one arbitrator, the City and the Contractor shall bear all costs and expenses associated with the appointment of the arbitrator equally.

## **SUPPLEMENTAL CONDITIONS**

### **SC1. SUPPLEMENTAL CONDITIONS**

SC1.1 In addition to the General Conditions, these Supplemental Conditions are applicable to the Work of the Contract.

### **SC2. WORKPLACE SAFETY AND HEALTH**

#### **COR / SECOR Certification**

SC2.1 The Contractor shall have a valid COR or SECOR Certification under the Certificate of Recognition (COR) Program or Small Employer Certificate of Recognition (SECOR) Program administered by the Construction Safety Association of Manitoba (CSAM) or under the WORKSAFELY Program administered by the Manitoba Heavy Construction Association (MHCA).

SC2.1.1 The Contractor shall, within five (5) Business Days of a request by the Engineer, provide proof satisfactory to the Engineer that the Contractor has a valid COR or SECOR.

SC2.1.2 The Contractor shall, at least five (5) Business Days prior to the commencement of any Work on the Site, provide the Engineer with a Safe Work Plan that identifies the hazards associated with the specific tasks of the contract work and details the steps the Contractor will take to control each hazard.

### **SC3. CONTRACTOR DECLARATION**

SC3.1 Further to GC5, the Contractor declares that in bidding for the Work and in entering into the Contract, he is aware of the Orders issued under the section 67 of the Public Health Act in response to the ongoing COVID-19 Pandemic, and has taken all necessary steps to ensure compliance with said Orders. The Contractor shall regularly check the Province of Manitoba COVID-19 webpage <https://Manitoba.ca/covid19> for updates and ensure compliance with any future Orders. As Prime Contractor, the Contractor shall ensure Subcontractors are also in compliance.

### **SC4. INSURANCE**

SC4.1 Further to GC11, the Contractor shall provide and maintain the following insurance:

.1 General Liability Insurance:

General Liability Insurance shall be in the name of the Contractor, with the City as an additional insured, but only with respect to liability arising out of the operations of the Contractor with regard to the Work (excluding any legal liability arising out of the sole negligence of the City), with limits of not less than five million dollars (\$5,000,000) per occurrence, an aggregate limit of not less than five million dollars (\$5,000,000) within any policy year with respect to completed operations. The insurance coverage and the form of this insurance shall be at least equal to the latest edition of IBC Form 2100, including an extension for a standard provincial and territorial form of non-owned automobile liability policy and the latest edition of the relevant Canadian

Construction Documents Committee (CCDC) endorsement form, and shall be maintained continuously from commencement of the Work until the date of the expiry of the Warranty Period, and with respect to Completed Operations Coverage for a period of not less than six (6) years from the date on which the Warranty Period expires.

.2 Automobile Liability Insurance:

Automobile Liability Insurance in respect of vehicles that are required by law to be insured under a contract by a Motor Vehicle Liability Policy, shall have limits of not less than five million dollars (\$5,000,000) inclusive per occurrence for bodily injury, death, and damage to property, covering all vehicles owned or leased by the Contractor, in the following forms:

- .1 Standard Non-Owned Automobile Policy including Standard Contractual Liability Endorsement. This may be attached to the General Liability Insurance policy.
- .2 Standard Owner's Form Automobile Policy providing Third Party Liability and Accident Benefits Insurance and covering licensed vehicles owned or leased by the Contractor.

The Automobile Liability Insurance shall be maintained continuously from commencement of the Work until the date of the expiry of the Warranty Period.

## **SC5. SECURITY CLEARANCE**

SC5.1 Each individual proposed to perform the following portions of the Work:

- .1 any Work within occupied City facilities other than:
  - .1 in areas and at times normally open to the general public;
  - .2 any Work involving entry onto private property;
  - .3 any Work within a one block radius of a school or public playground;

shall obtain a certified criminal record check through the RCMP or the police service having jurisdiction at his place of residence.

SC5.1.1 The criminal record check shall include a vulnerable sector check.

SC5.1.2 Before the commencement of any Work, and during the term of the Contract if additional or replacement individuals are proposed to perform Work, the Contractor shall supply the Engineer with a criminal record check certificate obtained no earlier than one (1) year before the Submission Deadline, or a certified true copy thereof, for each individual proposed to perform the Work.

SC5.1.3 Any individual for whom a criminal record check certificate is not provided, or for whom a criminal record check certificate indicates any convictions or pending charges related to property offences or crimes against another person, will not be permitted to perform any Work.

SC5.1.4 At any time during the term of the Contract, the City may, at its sole discretion, require an updated criminal record check. Any individual who fails to provide a satisfactory criminal record check certificate as a result of a repeated check will not be permitted to continue to perform any Work.

SC5.2 Each individual proposed to perform the following portions of the Work:

.1 any Work within a one block radius of a school or public playground;  
shall obtain a Child Abuse Registry check from the Manitoba Child Abuse Registry.

SC5.2.1 Before the commencement of any Work specified in SC5.2, and during the term of the Contract if additional or replacement individuals are proposed to perform Work, the Contractor shall supply the Engineer with a satisfactory Child Abuse Registry Self-Check – Information and Results obtained no earlier than one (1) year before the Submission Deadline, or a certified true copy thereof, for each individual proposed to perform such Work.

SC5.2.2 Any individual for whom a Child Abuse Registry result is not provided, or for whom a Child Abuse Registry result indicates the subject is listed on the Manitoba Child Abuse Registry, will not be permitted to perform any Work specified in SC5.2.

SC5.2.3 At any time during the term of the Contract, the City may, at its sole discretion, require an updated Child Abuse Registry check. Any individual who fails to provide a satisfactory Child Abuse Registry result as a result of a repeated check will not be permitted to continue to perform any Work specified in SC5.2.

## **SC6. INSPECTION**

SC6.1 Further to GC14, unless otherwise authorized by the Engineer, the following construction operations shall not be performed without the Engineer present on the Site:

- .1 Pipe laying; or
- .2 Backfilling; or
- .3 Placing Concrete; or
- .4 Placing Asphalt Pavement; or
- .5 Construction involving existing works or utilities.

## **SC7. WORK SCHEDULE**

SC7.1 Further to GC18.4, the Contractor shall schedule and perform the Work to complete the Work at each Site in a timely manner.

SC7.1.1 Unless otherwise authorized by the Engineer, the Work at each Site shall be performed in a continuous manner from commencement to completion.

## **SC8. PAYMENT**

SC8.1 Further to GC17.3, if the Contractor has made arrangements with the City to receive payment by direct deposit to the Contractor's account at a financial institution, payment will be made by electronic funds transfer on the stipulated date. If the Contractor has not made such arrangements with the City, a cheque will be issued and mailed as soon as practicable after the stipulated date.

## **SPECIFICATIONS**

Section 01002 – Scope of Work

Section 01003 – Measurement & Payment

## SCOPE OF WORK

---

### PART 1: GENERAL

#### 1.1 OTHER CONTRACT DOCUMENTS

- .1 The General Conditions of the Contract, the Supplemental Conditions, Specifications, and Drawings attached hereto shall apply to and be part of this Section. If there is any conflict between this Section and either of the above, this Section shall govern.
- .2 Where the City of Brandon Standard Construction Specifications refer to the Supplemental Conditions or the Special Provisions, it shall now mean Section 01002, Scope of Work.

#### 1.2 THE WORK

- .1 The Work is for the supply and installation of a new watermain and multi-use trail along 1<sup>st</sup> Street from Maryland Avenue to the South End Lift Station, land drainage improvements, landscaping and other associated Work.

#### 1.3 SCHEDULE OF WORK

- .1 The Work shall be scheduled at the discretion of the Contractor, subject to the provisions as specified herein.
- .2 The Contractor shall advise the Engineer a minimum of five (5) Working Days in advance of his intention to commence or terminate Work. Once the Work has begun, it shall be advanced diligently with a view of completing the Work or restoring the infrastructure to full use in the shortest possible time.
- .3 Prior to commencement of each stage of construction on any project, the Contractor shall obtain clearance from the Engineer that the previous stage is ready to receive new Work, and that there are no reasons of weather or other matters outside the City's control which would preclude commencement of the new Work.
- .4 Where possible, schedule portions of Work between Maryland Avenue and approximately station 4+00 for prior to September 8, 2020 when class is scheduled to resume.

#### 1.4 OTHER UTILITIES

- .1 The Drawings are intended to show the existence and location of utilities in the right of ways at the date of drawing; however, not all utilities may be shown or additional utilities may have been added since the Drawings were made. The Contractor shall make all necessary enquiries and give all requisite notice to utilities prior to commencing the Work. Any Work or cost required to locate or expose a utility after the Contract has been awarded shall be borne entirely by the Contractor.

#### 1.5 SITE CONDITIONS & COORDINATION

- .1 Prior to commencing any Work, inspect field conditions, obtain and confirm actual Site dimensions and examine surface conditions which may be affected by the Work, whether buried or surface utilities, signs, structures or any other object which may be in conflict with the Work.
- .2 Take extra precaution near any natural gas mains that are located within the limits of the Work. Limits of excavation around gas mains may differ on each Site and shall be as directed by Manitoba Hydro once construction begins on any one project.

## SCOPE OF WORK

---

- .3 Take extra precaution near overhead wires that are located within the limits of the Work. Limits of excavation near overhead wires may differ on each Site and shall be as directed by Manitoba Hydro once construction begins on any one project.
- .4 The limits of the Work will be established prior to the start of any excavation, and the Contractor shall be required to maintain the Site in a neat and tidy condition with cleanup completed each day.
- .5 Coordinate activities of sub-trades and work by others as required to expedite the Work.
- .6 Coordinate activities between Contractor and other Works and/or Contractors in adjacent areas. Contractor will not have exclusive rights to the general area.
- .7 The City will not be conducting test holes during the Tender period. A copy of test hole logs completed by the City during the design phase has been included as an Appendix. The Bidder shall make his own interpretation of the data provided and shall carry out such additional investigations as he deems necessary for the preparation of his Tender at his own expense. Soils information shown on the test hole logs is primarily for design purposes; the City does not guarantee the information is free from errors or discrepancies.

## PART 2: PRODUCTS

### 2.1 INSULATION

- .1 The following underground insulation shall now be accepted as an approved equal and shall meet the requirements of Section 02210, Excavation, Bedding & Backfill: Foamular 400 High Density Extruded Polystyrene Rigid Insulation.
- .2 The insulation shall be supplied and installed in strict accordance with the manufacturer's written recommendation.

### 2.2 WATERMAINS

- .1 Further to the requirements of Section 02660, Watermains, the following products will be accepted as an approved equal for PVC watermain:
  - .1 Fusible PVC Watermain certified to CSA B137.3, NSF61 and AWWA C900 with minimum DR18. The PVC Fusion Technician shall be fully qualified by the manufacturer to use Fusible PVC pipe of the type and size being used. Qualification shall be current as of the actual date any pipe fusing Work.
  - .2 TerraBrute CR or Royal Cobra Lock Restrained-joint PVC Watermain certified to CSA B137.3, NSF61 and AWWA C900 with minimum DR18.

### 2.3 CORRUGATED METAL PIPE (CMP) LAND DRAINAGE SEWER (LDS)

- .1 CMP LDS shall be round, 14 gauge, galvanized Z610, corrugated steel pipe. Each CMP LDS installed shall be finished with straight ends. All CMP LDS shall be supplied and installed in strict accordance with the manufacturer's written recommendations.
- .2 The following manufacturers supply CMP LDS that are approved for installation on this project/
  - .1 AIL;
  - .2 Canada Culvert;
  - .3 Substitutes will be considered in accordance with IB4. Substitutes.

## SCOPE OF WORK

---

### 2.4 COMMON FILL

- .1 Common Fill, if required shall be dry, unfrozen material free of organic or soft materials which would disintegrate through decay or weathering, free of lumps or stones exceeding 150mm in diameter and of such gradation and moisture content that it will compact to the specified density and remain stable.

## PART 3: EXECUTION

### 3.1 TRAFFIC ACCOMMODATION

- .1 The coordination of the Work and road closures are the sole responsibility of the Contractor, with approval required from the Engineer prior to proceeding.
- .2 Any closure or blockage of traffic shall be as brief as possible and at no time shall any one city block be isolated from emergency services except during the actual carrying out of the Work. During any such closure, the Contractor shall at his sole expense, provide and maintain a signed detour route for the safe movement of both vehicular and pedestrian traffic.
- .3 The Contractor shall coordinate the Work such that all affected institutional and commercial properties will have access during regular business hours (note regular business hours may vary).
- .4 The Contractor shall coordinate the Work to minimize disruption to residential driveway and parking access. The Contractor shall provide temporary access to all driveways not immediately adjacent to an open excavation during evenings, weekends, holidays and other times in which the Contractor is not working.
- .5 All traffic control devices including signs, barricades, channelling, and other devices shall conform to the requirements of Section 01570, Traffic Control, and the City of Brandon Traffic Control Manual for Temporary Conditions, and the Manitoba Infrastructure and Transportation Work Zone Traffic Control Manual.
  - .1 Any installed device that, in the opinion of the Engineer does not comply with the aforementioned standards shall be removed promptly and replaced. The Contractor shall ensure that there are sufficient devices on hand to adequately protect all Sites during the performance of the Work and shall designate a representative to regularly maintain such devices.
- .6 The Contractor shall prepare a detailed traffic control plan which satisfied the requirements noted herein, and provide to the City of review and approval a minimum of five (5) days prior to the scheduled start date of the Work.
- .7 Prior to any road closure, the Contractor shall give a minimum of forty-eight (48) hours written notice to the Engineer in order to advise all emergency services, Brandon Transit, City of Brandon Public Works, and the local media indicating the location, duration, and nature of the road closure.

### 3.2 DE-WATERING

- .1 De-watering of the Site may be required. There will be no additional payment for the de-watering of any excavation. The method and means of de-watering all excavations shall be the Contractor's sole responsibility, the expense of which shall be included in the Unit Price for the supply and installation of each class and type of pipe or fitting.

## **SCOPE OF WORK**

---

### **3.3 EXISTING HARDWARE ACCOMODATION**

- .1 All manholes, valves and valve casings, and similar street hardware, whether owned by the City or others, shall be raised, lowered, tilted, or otherwise adjusted prior to and during the placing of any materials. Manhole covers, valve casings, catch basin castings and similar street hardware shall be set flush with the finished graded surface.

### **3.4 EXCAVATION, BEDDING, & BACKFILL**

- .1 Excavation and Backfill shall be as specified in Section 02210, Excavation, Bedding & Backfill, the Scope of Work, and as indicated on the Unit Price Schedule or on the Drawings.
- .2 Bedding material shall be Bedding Sand as specified in Section 02210, Excavation, Bedding & Backfill.
- .3 Bedding Gravel as specified in Section 02210, Excavation, Bedding & Backfill, may be used as an alternative to Bedding Sand provided the base of the excavation is, in the opinion of the Engineer, significantly saturated and softened such that any installation bedded on Bedding Sand may not receive adequate support.
  - .2 Bedding Gravel may not be used as an alternative to Water Control as specified in Section 02210, Excavation, Bedding & Backfill. If standing water exists in the excavation, the Contractor shall drain the excavation as specified in Section 02210, Excavation, Bedding & Backfill prior to placement of bedding material.
  - .3 Bedding Gravel, if approved for use by the Engineer, shall have a minimum depth of 0.150 metres and shall be installed to the spring line of the pipe. Bedding Sand shall be used from the spring line of the pipe to 0.300 metres above the top of pipe.

### **3.5 WATERMAINS**

- .1 Watermains shall be as specified in Section 02660, Watermains.
- .2 Should the Contractor elect to install watermain using trenchless methods, they shall follow the applicable clauses of Section 02210, Excavation, Bedding & Backfill, as well as manufacturer recommendations. Notwithstanding approved products for Watermain, the Contractor shall ensure the type of approved pipe used can withstand installation forces.

### **3.6 WATER APPURTENANCES & VALVES**

- .1 Appurtenances & valves shall be as specified in Section 02660, Watermains.

### **3.7 CONNECT TO EXISTING WATERMAIN**

- .1 Connection to existing watermain shall be as specified in Section 02660, Watermains.
- .2 PVC to PVC connections shall be made with an approved PVC Coupler.

### **3.8 INSULATION**

- .1 Insulation shall be as specified in Section 02210, Excavation, Bedding & Backfill.

### **3.9 TESTING & DISINFECTION**

- .1 Testing & Disinfection shall be as specified in Section 02660, Watermains.

## **SCOPE OF WORK**

---

### **3.10 CATCH BASIN**

- .1 Catch Basins shall be as specified in Section 02700, Sewers.
- .2 Catch Basin type and size shall be as shown on the Drawings or in the Unit Price Schedule.

### **3.11 SEWERS**

- .1 Sewers shall be as specified in Section 02700, Sewers.
- .2 Pipe class shall be as shown on the Drawings or in the Unit Price Schedule.

### **3.12 PLUG & ABANDON EXISTING PIPE**

- .1 Seal all abandoned watermains or sewers not removed during the course of construction by placing a minimum length of 0.5m of 10 MPa concrete into the end of the abandoned pipe, forming a complete seal.

### **3.13 MANHOLE RIM ADJUSTMENT**

- .1 Remove manhole frame & cover and any brick risers. Expose top of existing precast manhole riser or adjustment ring.
- .2 Add approved adjustment or finishing rings as directed by the Engineer. Replace manhole frame & cover.

### **3.14 ROAD REPAIRS**

- .1 The Contractor may elect to use Concrete Road Repairs or Asphalt Road Repairs as described below.
- .2 Concrete Road Repairs
  - .1 Backfill trenches as specified in Section 02210, Excavation, Bedding & Backfill, to within 300mm of proposed finished grade.
  - .2 Supply, place, level and compact 150mm of 'A' Base as specified in Section 02303, Granular Base Course, and 150mm of 32 MPa concrete as specified in Section 02514, Concrete Construction.
- .3 Asphalt Road Repairs
  - .1 Backfill trenches as specified in Section 02210, Excavation, Bedding & Backfill, to within 550mm of the proposed finished grade.
  - .2 Supply, place, level and compact 300mm of 'C' Base Gravel and 150mm of 'A' Base Gravel as specified in Section 02303, Granular Base Course, and 100mm of asphalt as specified in Section 02510, Asphalt Concrete Pavement.

### **3.15 GRAVEL ROAD REPAIRS**

- .1 Backfill trenches as specified in Section 02210, Excavation, Bedding and Backfill, to within 150mm of proposed finished grade.

## SCOPE OF WORK

---

- .2 Supply, place, level and compact 150mm of 'A' Base Gravel as specified in Section 02303, Granular Base Course.

### 3.16 TOPSOIL STRIPPING

- .1 Remove topsoil prior to any construction activities to avoid compaction of topsoil.
- .2 Strip topsoil to the depth indicated on the Unit Price Schedule from areas indicated on the Drawings or as directed by the Engineer.
- .3 If proposed for re-use as part of Boulevard Repair or Topsoil & Seed, stockpile on-site at locations approved by the Engineer. Protect stockpile from contamination.
- .4 Stockpiled topsoil not re-used as part of the Work shall be transported off-site and disposed of.

### 3.17 DITCH EXCAVATION

- .1 Excavate to the lines and grades shown on the Drawings, or as staked on-site by the Engineer.
- .2 Ensure no excessive ponding or artificial flooding upstream of the Work to the satisfaction of the Engineer. Pumping, if necessary shall be considered incidental to the Work and the Contractor shall be responsible for obtaining approvals for the pumping work.
- .3 Protect land drainage infrastructure downstream of the Work from excess sedimentation to the satisfaction of the Engineer.

### 3.18 COMMON FILL (SUPPLIED BY CITY)

- .1 The City will stockpile common fill at the South End Lift Station for the Contractor to incorporate as part of the Work.
- .2 Load, transport, place, level and compact Common Fill to the lines and grades shown on the Drawings or as staked on-site by the Engineer.

### 3.19 COMMON FILL (PROVISIONAL)

- .1 Should the City be unable to secure sufficient quantities of Common Fill, the Contractor shall supply, place, level and compact Common Fill to the lines and grades shown on the Drawings or as staked on-site by the Engineer.

### 3.20 ASPHALT WALKWAY/ DRIVEWAY CONSTRUCTION

- .1 Backfill trenches as specified in Section 02210, Excavation, Bedding & Backfill, to within 250mm of the proposed finished grade.
- .2 Supply, place, level and compact 150mm of 'A' Base Gravel as specified in Section 02303, Granular Base Course, and 100mm of Asphalt as specified in Section 02510, Asphalt Concrete Pavement.

### 3.21 CONCRETE CONSTRUCTION

- .1 Concrete Construction Work shall be as per Section 02512, Ready Mixed Concrete, Section 02514, Concrete Construction, and as shown on the Drawings.

## **SCOPE OF WORK**

---

### **3.22 BOULEVARD REPAIRS**

- .1 Backfill trenches as specified in Section 02210, Excavation, Bedding & Backfill, to within 150mm of proposed finished grade. Supply, place, level and compact 150mm of Topsoil as specified in Section 02910, Topsoil, and Turfgrass Sod as specified in Section 02938, Turf Grass Sod.
- .2 The City will provide a supply of water for maintenance of Turf Grass Sod at no cost to the Contractor.
  - .1 The supply of water will be from hydrants as directed by the Engineer and the water used shall be only for the maintenance of Turf Grass Sod supplied and installed as part of the Work.
  - .2 To Contractor shall at his sole expense provide all other materials, products, and transportation required to load and deliver the water to the Site.
- .3 The Contractor shall take down, store and restore all signs on City of Brandon property that must be moved to facilitate the Work in accordance with Section 01570, Traffic Control.
  - .1 Any bench associated with a bus stop within the limits of the Work shall be stored as required to facilitate the Work and re-installed as directed by the Engineer following completion of construction.

### **3.23 TREE REMOVAL**

- .1 A tree shall be removed on a project site at the Engineer's discretion, using the following criteria:
  - .1 The tree is dead;
  - .2 The tree is diseased;
  - .3 The tree is hazardous to those involved in Underground Work;
  - .4 The tree inhibits boulevard repairs, including sidewalk placement; or
  - .5 The tree is hazardous to the general public.

**END OF SECTION**

## **MEASUREMENT & PAYMENT**

---

### **PART 1: GENERAL**

#### **1.1 OTHER CONTRACT DOCUMENTS**

- .1 The General Conditions of the Contract, the Supplemental Conditions, Specifications, and Drawings attached hereto shall apply to and be part of this Section. If there is any conflict between this Section and either of the above, this Section shall govern.

#### **1.2 MEASUREMENT**

- .1 Items measured in lineal metres shall be measured to the nearest whole metre.
- .2 Items measured in vertical metres shall be measured to the nearest 0.1 metre.
- .3 Items measured in square metres shall be measured to the nearest square metre.
- .4 Items measured in cubic metres shall be measured to the nearest cubic metre.

### **PART 2: PRODUCTS**

NONE

### **PART 3: EXECUTION**

#### **3.1 TRAFFIC ACCOMMODATION**

- .1 There will be no measurement made for Traffic Accommodation as described in Section 01002, Scope of Work.
- .2 No payment will be made for Traffic Accommodation as it is considered incidental to the rest of the Work.

#### **3.2 DE-WATERING**

- .1 There will be no measurement made for De-watering as described in Section 01002, Scope of Work.
- .2 No payment will be made for De-watering as it is considered incidental to the rest of the Work.

#### **3.3 EXISTING HARDWARE ACCOMMODATION**

- .1 There will be no measurement made for Existing Hardware Accommodation as described in Section 01002, Scope of Work.
- .2 No payment will be made for Existing Hardware Accommodation as it is considered incidental to the rest of the Work.

## MEASUREMENT & PAYMENT

---

### 3.4 EXCAVATION, BEDDING & BACKFILL

- .1 There will be no measurement for 'Excavation' or 'Backfill' described in Section 02210, Excavation Bedding & Backfill.
- .2 No payment will be made for 'Excavation' or 'Backfill' as it is considered incidental to the rest of the Work.
- .3 Measurement for 'Bedding Sand,' or 'Bedding Gravel' described in Section 02210, Excavation, Bedding & Backfill, will be based on the actual number of linear metres of 'Watermain,' or 'Sewer' acceptably supplied and installed which has used 'Bedding Sand,' or 'Bedding Gravel' as the bedding material, measured horizontally on the ground along the centerline of the pipe, including the length through hydrant leads, valves, fittings, catch basins and manholes by the Engineer.
- .4 Payment for 'Bedding Sand,' or 'Bedding Gravel' will be at the price set forth in the Unit Price Schedule for 'Bedding Sand', or 'Bedding Gravel' measured as specified herein, which will be payment in full for the supply and installation of 'Bedding Sand' or 'Bedding Gravel' described in Section 02210, Excavation, Bedding & Backfill, including:
  - .1 Removal and disposal of unsuitable material, transportation, the supply and installation of 'Bedding Sand' or 'Bedding Gravel';
  - .2 And all other costs and performing all other operations considered incidental to the supply and installation of 'Bedding Sand' or 'Bedding Gravel' for which no price or prices or provisions for payment are included in the Contract Documents.

### 3.5 WATERMAINS

- .1 Measurement for each class and type of 'Watermain' described in Section 02660, Watermains, the Scope of Work, and shown on the Drawings, will be based on the number of linear metres of each class and type of 'Watermain' acceptably supplied and installed, measured horizontally on the ground along the centreline of the watermain including the length through hydrant leads, valves, fittings and railway crossings, by the Engineer.
- .2 Payment for each class and type of 'Watermain' will be at the price set forth in the Unit Price Schedule for each class and type of 'Watermain' measured as specified herein, which shall be payment in full for those operations described in Section 02660, Watermains, the Scope of Work and as shown on the Drawings, including:
  - .1 Supply and installation of pipe, adaptors, couplers, gaskets, flanges, glands, nuts, bolts, washers, stainless steel rods, lubricants, restraint devices, and reaction blocking, required to join pipes and to join pipes to fittings;
  - .2 Supply and installation of thaw wires, support of existing utilities, support of existing structures;
  - .3 Supply and installation of casing spacers;
  - .4 Trenching, backfilling;

## MEASUREMENT & PAYMENT

---

- .5 And all other costs and performing all other operations considered incidental to the supply and installation of 'Watermain' for which no price or prices or provisions for payment are included in the Contract Documents.

### 3.6 WATER APPURTENANCES & VALVES

- .1 Measurement for each class or type of 'Cross', 'Tee', 'Bend', 'Reducer', 'Plug', 'Anode', 'Valve', or 'Hydrant', described in Section 02660, Watermains, the Scope of Work, and shown on the Drawings, will be based on the actual number of each class or type of 'Cross', 'Tee', 'Bend', 'Reducer', 'Plug', 'Anode', 'Valve' or 'Hydrant' acceptably supplied and installed, as measured by the Engineer.
- .2 Payment for each class or type of 'Cross', 'Tee', 'Bend', 'Reducer', 'Plug', 'Anode', 'Valve', or 'Hydrant' will be at the price set forth in the Unit Price Schedule for each class or type of 'Cross', 'Tee', 'Bend', 'Reducer', 'Plug', 'Anode', 'Valve', or 'Hydrant' measured as specified herein, which shall be payment in full for those operations described in Section 02660, Watermains, the Scope of Work, and as shown on the Drawings, including:
  - .1 Supply and installation of fittings, hydrant, gravel sump, blocking, bracing, reaction blocking, concrete support block, adaptors, couplers, gaskets, flanges, glands, nuts, bolts, stainless steel roads, lubricants, restraint devices, required to join pipes and to join pipes to fittings;
  - .2 Cad welding, hydrant supports, hydrant extensions;
  - .3 Stainless steel tapping sleeve, valves, valve box, stone disc, centering disc, spindles, extensions, reaction blocking, tapped water connection coupler, tapping;
  - .4 Main stop valve, thaw wire clamp, thaw wire, curb stop valve, curb stop valve box;
  - .5 Couplers, adaptors, spindle, valve box extension, thrust blocking, gravel sump, tap, wood marker;
  - .6 And all other costs and performing all other operations considered incidental to the supply and installation of 'Cross', 'Tee', 'Bend', 'Reducer', 'Plug', 'Anode', 'Valve' or 'Hydrant', for which no price or prices or provisions for payment are included in the Contract Documents.

### 3.7 CONNECTION TO EXISTING WATERMAIN

- .1 Measurement for each class or type of 'Connect to Existing Watermain' described in Section 02660, Watermains, the Scope of Work, and shown on the Drawings will be based on the actual number of each class or type of 'Connect to Existing Watermain' acceptably supplied and installed, as measured by the Engineer.
- .2 Payment for each class or type of 'Connect to Existing Watermain' will be at the price set forth in the Unit Price Schedule for each class or type of 'Connect to Existing Watermain' measured as specified herein, which shall be payment in full for those operations described in Section 02660, Watermains, the Scope of Work, and as shown on the Drawings, including:

## MEASUREMENT & PAYMENT

---

- .1 Supply and installation of blocking, bracing, adaptors, couplers, tees, gaskets, flanges, nuts, bolts, lubricants, restraint devices, saddles, tapping sleeve & valve, connection saddle, require to join pipes and to join pipes to fittings;
- .2 Cutting, fitting, thrust blocking, locating, removal of existing pipes and fittings;
- .3 And all other costs and performing all other operations considered incidental to the supply and installation of 'Connect to Existing Watermain' for which no price or prices or provisions for payment are included in the Contract Documents.

### 3.8 INSULATION

- .1 Measurement for each class and type of 'Insulation' described in Section 02210, Excavation, Bedding & Backfill, the Scope of Work, and show on the Drawings, will be based on the number of linear metres of each class and type of 'Insulation' acceptably supplied and installed, measured horizontally on the ground along the centreline of the watermain, sewer, pipe encasement, or building connection, by the Engineer.
- .2 Payment for each class and type of 'Insulation' will be at the price set forth in the Unit Price Schedule for each class and type of 'Insulation' measured as specified herein, which shall be payment in full for those operations described in Section 02210, Excavation, Bedding & Backfill, the Scope of Work, and as shown on the Drawings, including:
  - .1 Supply and installation of insulation, fill sand, compaction;
  - .2 And all other costs and performing all other operations considered incidental to the supply and installation of 'Insulation' for which no price or provisions for payment are included in the Contract Documents.

### 3.9 TESTING & DISINFECTION

- .1 There will be no measurement for 'Testing & Disinfection,' described in Section 02660, Watermains.
- .2 Payment for 'Testing & Disinfection' will be at the lump sum price set forth in the Unit Price Schedule for each 'Testing & Disinfection' measured as specified herein, which shall be payment in full for those operations described in Section 02660, Watermains, including:
  - .1 Supply and installation of water tank, pumps, gauges, power, chlorine, appurtenances, valves, pipe, fittings, adaptors, gaskets, flanges, couplers, saddles, installation and removal of temporary corporation stop;
  - .2 Cutting, fitting;
  - .3 And all other costs and performing all other operations considered incidental to the supply and installation of 'Testing & Disinfection' for which no price or prices or provisions for payment are included in the Contract Documents.

## **MEASUREMENT & PAYMENT**

---

### **3.10 CATCH BASIN**

- .1 Measurement for each class or type of 'Catch Basin' described in Section 02700, Sewers, the Scope of Work, and shown on the Drawings, will be based on the number of each class or type of 'Catch Basin' acceptably supplied and installed, measured by the Engineer.
- .2 Payment for each class or type of 'Catch Basin' will be at the price set forth in the Unit Price Schedule for each class or type of 'Catch Basin' measured as specified herein, which shall be payment in full for those operations described in Section 02700, Sewers, the Scope of Work, and as shown on the Drawings, including:
  - .1 Supply installation of catch basin, risers, cast frame & cover.
  - .2 Connections to sewer pipe, grout, adaptors, sewer couplers, gaskets, nuts, bolts, lubricants, fittings, removal and relocation, reconnection to existing, breaking into existing, concrete benching;
  - .3 And all other costs and performing all other operations considered incidental to the supply and installation of 'Catch Basin' for which no price or prices or provisions for payment are included in the Contract Documents.

### **3.11 SEWERS**

- .1 Measurement for each class or type of 'Sewer' described in Section 02700, Sewers, the Scope of Work, and as shown on the Drawings will be based on the number of linear metres of each class or type of 'Sewer' acceptably supplied and installed, measured horizontally on the ground along the centreline of the Sewer including the length through manholes and catch basins, by the Engineer.
- .2 Payment for each class or type of 'Sewer' will be at the price set forth in the Unit Price Schedule for each class or type of 'Sewer' measured as specified herein, which shall be payment in full for those operations described in Section 02700, Sewers, the Scope of Work and as shown on the Drawings, including:
  - .1 Supply and installation of pipe, connection tees, saddles, adaptors, sewer coupler, gaskets, flanges, glands, nuts, bolts, lubricants, restraint devices, support of existing utilities, connection to existing sewer, breaking into existing manhole or sewer pipe, repair couplings, hydrostatic and mandrel testing, bulkheads, stoppers, plugs;
  - .2 Trenching, backfilling, road, curb, driveway, sidewalk, and walkway repairs;
  - .3 And all other costs and performing all other operations considered incidental to the supply and installation of 'Sewers' for which no price or prices or provisions for payment are included in the Contract Documents.

### **3.12 PLUG & ABANDON EXISTING PIPE**

- .1 Measurement for each class or type of 'Disconnect & Abandon Existing Pipe' described in Section 02700, Sewers, the Scope of Work, and shown on the Drawings will be based on the actual number of each class or type of 'Disconnect & Abandon Existing Pipe' acceptably supplied and installed, as measured by the Engineer.

## MEASUREMENT & PAYMENT

---

- .2 Payment for each class or type of 'Disconnect & Abandon Existing Pipe' will be at the price set forth in the Unit Price Schedule for each class or type of 'Disconnect & Abandon Existing Pipe' measured as specified herein, which shall be payment in full for those operations described in Section 02700, Sewers, the Scope of Work, and as shown on the Drawings, including:
  - .1 Supply and installation of concrete blocking or plug at the end of the pipe, catch basin and/or manhole;
  - .2 Locating, disconnecting, cutting, fitting, bracing, sealing, removal of existing pipes and fittings (if required) and making water tight;
  - .3 Trenching (if required) or excavation, backfilling, road, curb, driveway, sidewalk, and walkway repairs;
  - .4 And all other costs and performing all other operations considered incidental to the supply and installation of 'Disconnect & Abandon Existing Pipe' for which no price or prices or provisions for payment are included in the Contract Documents.

### 3.13 MANHOLE RIM ADJUSTMENT

- .1 There will be no measurement made for 'Manhole Rim Adjustment' as described in the Scope of Work and as shown on the Drawings.
- .2 Payment for each class or type of 'Manhole Rim Adjustment' will be at the lump sum price set forth in the Unit Price Schedule for 'Manhole Rim Adjustment', measured as specified herein, which shall be payment in full for those operations described in Section 02700, Sewers, the Scope of Work, and as shown on the Drawings.

### 3.14 ASPHALT/ CONCRETE ROAD REPAIRS

- .1 There will be no measurement for 'Asphalt Road Repair' or 'Concrete Road Repair' as described in the Scope of Work and as shown on the Drawings.
- .2 No payment will be made for 'Asphalt Road Repair' or 'Concrete Road Repair' as they are considered incidental to the rest of the Work.

### 3.15 GRAVEL ROAD REPAIRS

- .1 Measurement for each class or type of 'Gravel Road Repair' described in the Scope of Work will be based on the number of square metres of each class or type of 'Gravel Road Repair' acceptably supplied and installed, measured horizontally along the ground by the Engineer.
- .2 Payment for each class or type of 'Gravel Road Repair' will be at the price set forth in the Unit Price Schedule for each class or type of 'Gravel Road Repair' measured as specified herein, which shall be payment in full for those operations described in Section 02303, Granular Base Course, the Scope of Work and as shown on the Drawings, including:
  - .1 Saw-cutting, stripping, and stockpiling of granular material, preparation of sub-base.
  - .2 Shaping and compaction, supply, transportation, installation and compaction of granular materials, final grading;

## MEASUREMENT & PAYMENT

---

- .3 Adjusting of street hardware, traffic control, relocating of catch basins, dust control, loading, transportation and disposal of surplus material, final grading, site cleanup;
- .4 And all other costs and performing all other operations considered incidental to the supply and installation of 'Gravel Road Repair' for which no price or prices or provisions for payment are included in the Contract Documents.

### 3.16 TOPSOIL STRIPPING

- .1 Measurement for each class or type of 'Topsoil Stripping' described in the Scope of Work and shown on the Drawings will be based on the number of square metres of each class or type of 'Topsoil Stripping' acceptably supplied and installed, measured horizontally along the ground by the Engineer.
- .2 Payment for each class or type of 'Topsoil Stripping' will be at the price set forth in the Unit Price Schedule for each class or type of 'Topsoil Stripping' measured as specified herein, which shall be payment in full for those operations described in the Scope of Work, and shown on the Drawings, including:
  - .1 Excavation, loading, transport, stockpiling;
  - .2 Protecting stockpile from contamination, sorting out deleterious material;
  - .3 Loading, transportation and disposal (if required);
  - .4 And all other costs and performing all other operations considered incidental to the supply and installation of 'Topsoil Stripping' for with no price or prices or provisions for payment are included in the Contract Documents.

### 3.17 DITCH EXCAVATION

- .1 Measurement for each class or type of 'Ditch Excavation' described in the Scope of Work and shown on the Drawings will be based on the number of cubic metres of each class or type of 'Ditch Excavation' acceptably supplied and installed, measured horizontally along the ground by the Engineer.
- .2 Payment for each class or type of 'Ditch Excavation' will be at the price set forth in the Unit Price Schedule for each class or type of 'Ditch Excavation', measured as specified herein, which shall be payment in full for those operations described in the Scope of Work and as shown on the Drawings, including:
  - .1 Excavation, loading, transportation and disposal of existing material;
  - .2 Provisions required to ensure no excess ponding upstream or sedimentation downstream as a result of the Work;
  - .3 Placement and compaction of excavated material in any low areas;
  - .4 And all other costs and performing all other operations considered incidental to the supply and installation of 'Ditch Excavation' for which no price or prices or provisions for payment are included in the Contract Documents.

## **MEASUREMENT & PAYMENT**

---

### **3.18 COMMON FILL**

- .1 Measurement for each class or type of 'Common Fill' described in the Scope of Work, and shown on the Drawings will be based on the number of cubic metres of each class or type of 'Common Fill' acceptably supplied and installed, measured horizontally along the ground by the Engineer.
- .2 Payment for each class or type of 'Common Fill' will be at the price set forth in the Unit Price Schedule for each class and type of 'Common Fill', measured as specified herein, which shall be payment in full for those operations described in the Scope of Work, and shown on the Drawings, including:
  - .1 Supply (if required), loading, transportation to site;
  - .2 Shaping, installation, water-conditioning and compaction of granular materials, final grading;
  - .3 And all other costs and performing all other operations considered incidental to the supply and installation of 'Embankment Construction' for which no price or prices or provisions for payment are included in the Contract Documents.

### **3.19 ASPHALT WALKWAY/DRIVEWAY CONSTRUCTION**

- .1 Measurement for each class or type of 'Walkway/Driveway Construction' described in the Scope of Work and shown on the Drawings will be based on the number of square metres of each class or type of 'Walkway/Driveway Construction' acceptably supplied and installed, measured horizontally along the ground by the Engineer.
- .2 Payment for each class or type of 'Walkway/Driveway Construction' will be at the price set forth in the Unit Price Schedule for each class or type of 'Walkway/Driveway Construction' measured as specified herein, which shall be payment in full for those operations described in Section 02303, Granular Base Course, Section 02510, Asphalt Concrete Pavement, the Scope of Work and as shown on the Drawings, including:
  - .1 Excavation (if not listed separately), stripping and stockpiling of granular material;
  - .2 Loading, transportation and disposal of surplus material;
  - .3 Proof rolling and preparation of sub base, final grading;
  - .4 Supply, transportation, spreading and compaction of granular base course aggregates;
  - .5 Supply and installation of prime coat, tack coat, asphaltic concrete and ready mix concrete;
  - .6 Adjusting of street hardware, relocating of catch basins, and traffic control;
  - .7 Backfill, trim, level, and re-grade drainage ditches and swales;
  - .8 Dust control, Site clean-up;

## MEASUREMENT & PAYMENT

---

- .9 And all other costs and performing all other operations considered incidental to the supply and installation of 'Walkway/Driveway Construction' for which no price or prices or provisions for payment are included in the Contract Documents.

### 3.20 CONCRETE CONSTRUCTION

- .1 Measurement for each class or type of 'Concrete Curb', 'Concrete Gutter', 'Concrete Curb & Gutter', 'Concrete Drainage Channel', or 'Concrete Median Curb' described in Section 02514, Concrete Construction, the Scope of Work, and shown on the Drawings will be based on the actual number of linear metres of each class or type of 'Concrete Curb', 'Concrete Gutter', 'Concrete Curb & Gutter', 'Concrete Drainage Channel', or 'Concrete Median Curb' acceptably supplied and installed, measured horizontally along the ground by the Engineer.
- .2 Measurement for each class or type of 'Concrete Driveway Approach', 'Concrete Commercial Driveway Approach', 'Concrete Bullet Nose', 'Concrete Median', 'Concrete Sidewalk', or 'Concrete Drainage Flare' described in the Scope of Work or shown on the Drawings will be based on the actual number of square metres of each class or type of 'Concrete Driveway Approach', 'Concrete Commercial Driveway Approach', 'Concrete Bullet Nose', 'Concrete Median', 'Concrete Sidewalk', or 'Concrete Drainage Flare' acceptably supplied and installed, measured horizontally along the ground by the Engineer.
- .3 Payment for each class or type of 'Concrete Curb', 'Concrete Gutter', 'Concrete Curb & Gutter', 'Concrete Drainage Channel', 'Concrete Median Curb', 'Concrete Driveway Approach', 'Concrete Commercial Driveway Approach', 'Concrete Bullet Nose', 'Concrete Median', 'Concrete Sidewalk', or 'Concrete Drainage Flare' will be at the price set forth in the Unit Price Schedule for each class or type of 'Concrete Curb', 'Concrete Gutter', 'Concrete Curb & Gutter', 'Concrete Drainage Channel', 'Concrete Median Curb', 'Concrete Driveway Approach', 'Concrete Commercial Driveway Approach', 'Concrete Bullet Nose', 'Concrete Median', 'Concrete Sidewalk', or 'Concrete Drainage Flare' measured as specified herein, which shall be payment in full for those operations described in Section 02514, Concrete Construction, the Scope of Work, and shown on the Drawings, including:
- .1 Excavation, shaping and compaction;
  - .2 Supply, transportation, installation and compaction of granular materials, final grading;
  - .3 Forming, bracing, bonding agents, sealants, reinforcement, dowels, ready mix concrete, saw-cutting, bond breaker, curing compound;
  - .4 Sign post clamp, adjusting street hardware, boulevard repairs;
  - .5 And all other costs and performing all other operations considered incidental to the supply and installation of 'Concrete Curb', 'Concrete Gutter', 'Concrete Curb & Gutter', 'Concrete Drainage Channel', 'Concrete Median Curb', 'Concrete Driveway Approach', 'Concrete Commercial Driveway Approach', 'Concrete Bullet Nose', 'Concrete Median', 'Concrete Sidewalk', or 'Concrete Drainage Flare' for which no price or prices or provisions for payment are included in the Contract Documents.

### 3.21 BOULEVARD REPAIRS

- .1 Measurement for each class or type of 'Boulevard Repair' described in the Scope of Work and as shown on the Drawings will be based on the number of square metres of each class or type of

## **MEASUREMENT & PAYMENT**

---

'Boulevard Repair' acceptably supplied and installed, measured horizontally along the ground by the Engineer.

- .2 Payment for each class or type of 'Boulevard Repair' will be at the price set forth in the Unit Price Schedule for each class or type of 'Boulevard Repair', measured as specified herein which shall be payment in full for those operations described in Section 02920, Topsoil, Section 02938, Turf Grass Sod, the Scope of Work and shown on the Drawings, including:
  - .1 Site preparation, supply and install of barricades, construction and maintenance of detour routes, traffic control, temporary fencing;
  - .2 Common excavation of boulevards, loading, transportation and disposal of surplus and unsuitable materials, grading and trimming;
  - .3 Supply, transportation and installation of topsoil and turfgrass sod, fertilizing, soil amendments, pegging, rolling, watering, joint filling, mowing, weed control, pest control, site cleanup, maintenance;
  - .4 And all other costs and performing all other operations considered incidental to the supply and installation of 'Boulevard Repair' for which no price or prices or provisions for payment are included in the Contract Documents.

### **3.22 TREE REMOVAL**

- .1 There will be no measurement made for 'Tree Removal' as described in the Scope of Work and as shown on the Drawings.
- .2 No payment will be made for any 'Tree Removal' as it is considered incidental to the rest of the Work.

**END OF SECTION**