



**THE CITY OF WINNIPEG**

# **TENDER**

**TENDER NO. 36-2023**

**2023 NEW MULTI-USE PATHWAYS, PATHWAY RENEWALS AND THIN  
BITUMINOUS OVERLAY (TBO) PROGRAM**

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## **PART B - BIDDING PROCEDURES**

### **B1. CONTRACT TITLE**

- B1.1 2023 New Multi-Use Pathways, Pathway Renewals and Thin Bituminous Overlay (TBO) Program

### **B2. SUBMISSION DEADLINE**

- B2.1 The Submission Deadline is 12:00 noon Winnipeg time, April 4<sup>th</sup>, 2023.
- B2.2 The Contract Administrator or the Manager of Materials may extend the Submission Deadline by issuing an addendum at any time prior to the time and date specified in B2.1.

### **B3. SITE INVESTIGATION**

- B3.1 Further to C3.1, the Bidder may view the Site without making an appointment.
- B3.2 The Bidder is responsible for inspecting the Site, the nature of the Work to be done and all conditions that might affect their Bid or their performance of the Work, and shall assume all risk for conditions existing or arising in the course of the Work which have been or could have been determined through such inspection.

### **B4. ENQUIRIES**

- B4.1 All enquiries shall be directed to the Contract Administrator identified in 5.1.
- B4.2 If the Bidder finds errors, discrepancies or omissions in the Tender, or is unsure of the meaning or intent of any provision therein, the Bidder shall notify the Contract Administrator of the error, discrepancy or omission, or request a clarification as to the meaning or intent of the provision at least five (5) Business Days prior to the Submission Deadline.
- B4.3 Responses to enquiries which, in the sole judgment of the Contract Administrator, require a correction to or a clarification of the Tender will be provided by the Contract Administrator to all Bidders by issuing an addendum.
- B4.4 Responses to enquiries which, in the sole judgment of the Contract Administrator, do not require a correction to or a clarification of the Tender will be provided by the Contract Administrator only to the Bidder who made the enquiry.
- B4.5 The Bidder shall not be entitled to rely on any response or interpretation received pursuant to B4 unless that response or interpretation is provided by the Contract Administrator in writing.
- B4.6 Any enquiries concerning submitting through MERX should be addressed to:  
MERX Customer Support  
Phone: 1-800-964-6379  
Email: merx@merx.com

### **B5. CONFIDENTIALITY**

- B5.1 Information provided to a Bidder by the City or acquired by a Bidder by way of further enquiries or through investigation is confidential. Such information shall not be used or disclosed in any way without the prior written authorization of the Contract Administrator. The use and disclosure of the confidential information shall not apply to information which:
- (a) was known to the Bidder before receipt hereof; or
  - (b) becomes publicly known other than through the Bidder; or
  - (c) is disclosed pursuant to the requirements of a governmental authority or judicial order.

B5.2 The Bidder shall not make any statement of fact or opinion regarding any aspect of the Tender to the media or any member of the public without the prior written authorization of the Contract Administrator.

## **B6. ADDENDA**

B6.1 The Contract Administrator may, at any time prior to the Submission deadline, issue addenda correcting errors, discrepancies or omissions in the Tender, or clarifying the meaning or intent of any provision therein.

B6.2 The Contract Administrator will issue each addendum at least two (2) Business Days prior to the Submission Deadline, or provide at least two (2) Business Days by extending the Submission Deadline.

B6.3 Addenda will be available on the MERX website at [www.merx.com](http://www.merx.com).

B6.4 The Bidder is responsible for ensuring that they have received all addenda and is advised to check the MERX website for addenda regularly and shortly before the Submission Deadline, as may be amended by addendum.

B6.5 The Bidder shall acknowledge receipt of each addendum in Paragraph 10 of Form A: Bid/Proposal. Failure to acknowledge receipt of an addendum may render a Bid non-responsive.

B6.6 Notwithstanding B4, enquiries related to an Addendum may be directed to the Contract Administrator indicated in D5.1.

## **B7. SUBSTITUTES**

B7.1 The Work is based on the Plant, Materials and methods specified in the Tender.

B7.2 Substitutions shall not be allowed unless application has been made to and prior approval has been granted by the Contract Administrator in writing.

B7.3 Requests for approval of a substitute will not be considered unless received in writing by the Contract Administrator at least five (5) Business Days prior to the Submission Deadline.

B7.4 The Bidder shall ensure that any and all requests for approval of a substitute:

- (a) provide sufficient information and details to enable the Contract Administrator to determine the acceptability of the Plant, Material or method as either an approved equal or alternative;
- (b) 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;
- (c) identify any anticipated cost or time savings that may be associated with the substitute;
- (d) 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 and the dates specified in the Supplemental Conditions for Substantial Performance and Total Performance;
- (e) 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 and the dates specified in the Supplemental Conditions for Substantial Performance and Total Performance.

- B7.5 The Contract Administrator, after assessing the request for approval of a substitute, may in their 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.
- B7.6 The Contract Administrator will provide a response in writing, at least two (2) Business Days prior to the Submission Deadline, to the Bidder who requested approval of the substitute.
- B7.6.1 The Contract Administrator will issue an Addendum, disclosing the approved materials, equipment, methods and products to all potential Bidders. The Bidder requesting and obtaining the approval of a substitute shall be responsible for disseminating information regarding the approval to any person or persons they wish to inform.
- B7.7 If the Contract Administrator approves a substitute as an “approved equal”, any Bidder may use the approved equal in place of the specified item.
- B7.8 If the Contract Administrator approves a substitute as an “approved alternative”, any Bidder bidding that approved alternative may base their Total Bid Price upon the specified item but may also indicate an alternative price based upon the approved alternative. Such alternatives will be evaluated in accordance with B18.
- B7.9 No later claim by the Contractor for an addition to the Total Bid Price because of any other changes in the Work necessitated by the use of an approved equal or an approved alternative will be considered.

## **B8. BID COMPONENTS**

- B8.1 The Bid shall consist of the following components:
- (a) Form A: Bid;
  - (b) Form B: Prices;
  - (c) Form G1: Bid Bond and Agreement to Bond.
- B8.2 All components of the Bid shall be fully completed or provided, and submitted by the Bidder no later than the Submission Deadline, with all required entries made clearly and completely.
- B8.3 The Bid shall be submitted electronically through MERX at [www.merx.com](http://www.merx.com).
- B8.3.1 Bids will **only** be accepted electronically through MERX.
- B8.4 Bidders are advised that inclusion of terms and conditions inconsistent with the Tender document, including the General Conditions, will be evaluated in accordance with B18.1(a).

## **B9. BID**

- B9.1 The Bidder shall complete Form A: Bid/Proposal, making all required entries.
- B9.2 Paragraph 2 of Form A: Bid/Proposal shall be completed in accordance with the following requirements:
- (a) if the Bidder is a sole proprietor carrying on business in their own name, their name shall be inserted;
  - (b) if the Bidder is a partnership, the full name of the partnership shall be inserted;
  - (c) if the Bidder is a corporation, the full name of the corporation shall be inserted;
  - (d) if the Bidder is carrying on business under a name other than their own, the business name and the name of every partner or corporation who is the owner of such business name shall be inserted.
- B9.2.1 If a Bid is submitted jointly by two or more persons, each and all such persons shall identify themselves in accordance with B9.2.

- B9.3 In Paragraph 3 of Form A: Bid/Proposal, the Bidder shall identify a contact person who is authorized to represent the Bidder for purposes of the Bid.
- B9.4 Paragraph 13 of Form A: Bid/Proposal shall be signed in accordance with the following requirements:
- (a) if the Bidder is a sole proprietor carrying on business in their own name, it shall be signed by the Bidder;
  - (b) if the Bidder is a partnership, it shall be signed by the partner or partners who have authority to sign for the partnership;
  - (c) if the Bidder is a corporation, it shall be signed by their duly authorized officer or officers;
  - (d) if the Bidder is carrying on business under a name other than their own, it shall be signed by the registered owner of the business name, or by the registered owner's authorized officials if the owner is a partnership or a corporation.
- B9.4.1 The name and official capacity of all individuals signing Form A: Bid/Proposal should be entered below such signatures.
- B9.5 If a Bid 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 Bid and the Contract, when awarded, shall be both joint and several.

## **B10. PRICES**

- B10.1 The Bidder shall state a price in Canadian funds for each item of the Work identified on Form B: Prices.
- B10.1.1 Prices stated on Form B: Prices shall not include any costs which may be incurred by the Contractor with respect to any applicable funding agreement obligations as outlined in D35. Any such costs shall be determined in accordance with D35.
- B10.2 The quantities listed on Form B: Prices are to be considered approximate only. The City will use said quantities for the purpose of comparing Bids.
- B10.3 The quantities for which payment will be made to the Contractor are to be determined by the Work actually performed and completed by the Contractor, to be measured as specified in the applicable Specifications.
- B10.4 Payments to Non-Resident Contractors are subject to Non-Resident Withholding Tax pursuant to the Income Tax Act (Canada).
- B10.5 The Bidder shall enter the Total Bid Price from Form B: Prices into the Total Bid Price field in MERX.
- B10.5.1 Bidders are advised that the calculation indicated in B18.4 will prevail over the Total Bid Price entered in MERX.
- B10.6 Form B: Prices is organized into Parts: Part 1 of the Work and Part 2 of the Work. Bidders shall provide a total price for each Part and, on the summary sheet, a Total Bid Price consisting of the sum of prices for Part 1 and Part 2.

## **B11. DISCLOSURE**

- B11.1 Various Persons provided information or services with respect to this Work. In the City's opinion, this relationship or association does not create a conflict of interest because of this full disclosure. Where applicable, additional material available as a result of contact with these Persons is listed below.
- B11.2 The Persons are:
- (a) N/A

## **B12. CONFLICT OF INTEREST AND GOOD FAITH**

- B12.1** Further to C3.2, Bidders, by responding to this Tender, declare that no Conflict of Interest currently exists, or is reasonably expected to exist in the future.
- B12.2** Conflict of Interest means any situation or circumstance where a Bidder or employee of the Bidder proposed for the Work has:
- (a) other commitments;
  - (b) relationships;
  - (c) financial interests; or
  - (d) involvement in ongoing litigation;
- that could or would be seen to:
- (i) exercise an improper influence over the objective, unbiased and impartial exercise of the independent judgment of the City with respect to the evaluation of Bids or award of the Contract; or
  - (ii) compromise, impair or be incompatible with the effective performance of a Bidder's obligations under the Contract;
- (e) has contractual or other obligations to the City that could or would be seen to have been compromised or impaired as a result of their participation in the Tender process or the Work; or
  - (f) has knowledge of confidential information (other than confidential information disclosed by the City in the normal course of the Tender process) of strategic and/or material relevance to the Tender process or to the Work that is not available to other bidders and that could or would be seen to give that Bidder an unfair competitive advantage.
- B12.3** In connection with their Bid, each entity identified in B12.2 shall:
- (a) avoid any perceived, potential or actual Conflict of Interest in relation to the procurement process and the Work;
  - (b) upon discovering any perceived, potential or actual Conflict of Interest at any time during the Tender process, promptly disclose a detailed description of the Conflict of Interest to the City in a written statement to the Contract Administrator; and
  - (c) provide the City with the proposed means to avoid or mitigate, to the greatest extent practicable, any perceived, potential or actual Conflict of Interest and shall submit any additional information to the City that the City considers necessary to properly assess the perceived, potential or actual Conflict of Interest.
- B12.4** Without limiting B12.3, the City may, in their sole discretion, waive any and all perceived, potential or actual Conflicts of Interest. The City's waiver may be based upon such terms and conditions as the City, in their sole discretion, requires to satisfy itself that the Conflict of Interest has been appropriately avoided or mitigated, including requiring the Bidder to put into place such policies, procedures, measures and other safeguards as may be required by and be acceptable to the City, in their sole discretion, to avoid or mitigate the impact of such Conflict of Interest.
- B12.5** Without limiting B12.3, and in addition to all contractual or other rights or rights at law or in equity or legislation that may be available to the City, the City may, in their sole discretion:
- (a) disqualify a Bidder that fails to disclose a perceived, potential or actual Conflict of Interest of the Bidder or any of their employees proposed for the Work;
  - (b) require the removal or replacement of any employees proposed for the Work that has a perceived, actual or potential Conflict of Interest that the City, in their sole discretion, determines cannot be avoided or mitigated;
  - (c) disqualify a Bidder or employees proposed for the Work that fails to comply with any requirements prescribed by the City pursuant to B12.4 to avoid or mitigate a Conflict of Interest; and



- (d) disqualify a Bidder if the Bidder, or one of their employees proposed for the Work, has a perceived, potential or actual Conflict of Interest that, in the City's sole discretion, cannot be avoided or mitigated, or otherwise resolved.

B12.6 The final determination of whether a perceived, potential or actual Conflict of Interest exists shall be made by the City, in their sole discretion.

### **B13. QUALIFICATION**

B13.1 The Bidder shall:

- (a) undertake to be in good standing under The Corporations Act (Manitoba), or properly registered under The Business Names Registration Act (Manitoba), or otherwise properly registered, licensed or permitted by law to carry on business in Manitoba; and
- (b) be financially capable of carrying out the terms of the Contract; and
- (c) have all the necessary experience, capital, organization, and equipment to perform the Work in strict accordance with the terms and provisions of the Contract.

B13.2 The Bidder and any proposed Subcontractor (for the portion of the Work proposed to be subcontracted to them) shall:

- (a) be responsible and not be suspended, debarred or in default of any obligations to the City. A list of suspended or debarred individuals and companies is available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Division website at <https://www.winnipeg.ca/matmgt/Templates/files/debar.pdf>

B13.3 The Bidder and/or any proposed Subcontractor (for the portion of the Work proposed to be subcontracted to them) shall:

- (a) have successfully carried out work similar in nature, scope and value to the Work; and
- (b) be fully capable of performing the Work required to be in strict accordance with the terms and provisions of the Contract; and
- (c) have a written workplace safety and health program if required pursuant to The Workplace Safety and Health Act (Manitoba);
- (d) have completed the Accessible Customer Service online training required by the Accessibility for Manitobans Act (AMA) (see B13.5 and D7).

B13.4 Further to B13.3(c), the Bidder shall, within five (5) Business Days of a request by the Contract Administrator, provide proof satisfactory to the Contract Administrator that the Bidder/Subcontractor has a workplace safety and health program meeting the requirements of The Workplace Safety and Health Act (Manitoba), by providing:

- (a) Written confirmation of a safety and health certification meeting SAFE Work Manitoba's SAFE Work Certified Standard (e.g., COR™ and SECOR™) in the form of:
  - (i) a copy of their valid Manitoba COR certificate and Letter of Good Standing (or Manitoba equivalency) as issued under the Certificate of Recognition (COR) Program administered by the Construction Safety Association of Manitoba or by the Manitoba Heavy Construction Association's WORKSAFELY™ COR™ Program; or
  - (ii) a copy of their valid Manitoba SECOR™ certificate and Letter of Good Standing (or Manitoba equivalency) as issued under the Small Employer Certificate of Recognition Program (SECOR™) administered by the Construction Safety Association of Manitoba or by the Manitoba Heavy Construction Association's WORKSAFELY™ COR™ Program; or
- (b) a report or letter to that effect from an independent reviewer acceptable to the City. (A list of acceptable reviewers and the review template are available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Division website at <http://www.winnipeg.ca/matmgt/>).

- B13.5 Further to B13.3(d), the Bidder acknowledges they and all Subcontractors have obtained training required by the Accessibility for Manitobans Act (AMA) available at <http://www.accessibilitymb.ca/training.html> for anyone that may have any interaction with the public on behalf of the City of Winnipeg.
- B13.6 The Bidder shall submit, within three (3) Business Days of a request by the Contract Administrator, proof satisfactory to the Contract Administrator of the qualifications of the Bidder and of any proposed Subcontractor.
- B13.7 The Bidder shall provide, on the request of the Contract Administrator, full access to any of the Bidder's equipment and facilities to confirm, to the Contract Administrator's satisfaction, that the Bidder's equipment and facilities are adequate to perform the Work.

#### **B14. BID SECURITY**

- B14.1 The Bidder shall include in their Bid Submission bid security in the form of a digital bid bond, in the amount of at least ten percent (10%) of the Total Bid Price, and agreement to bond of a company registered to conduct the business of a surety in Manitoba, in Form G1: Bid Bond and Agreement to Bond, available on The City of Winnipeg, Corporate Finance, Materials Management Division website at <https://www.winnipeg.ca/MatMgt/templates/files/eBidsecurity.pdf>.
- B14.2 Bid security shall be submitted in a digital format meeting the following criteria:
- (a) The version submitted by the Bidder must have valid digital signatures and seals;
  - (b) 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 and digital seals; with the surety company, or an approved verification service provider of the surety company.
  - (c) The version submitted must be viewable, printable and storable in standard electronic file formats compatible with the City, and in a single file. Allowable formats include pdf.
  - (d) 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.
  - (e) The results of the verification must provide a clear, immediate and printable indication of pass or fail regarding B14.2(a).
- B14.3 Bonds failing the verification process will not be considered to be valid and the bid shall be determined to be non-responsive in accordance with B18.1(a).
- B14.4 Bonds passing the verification process will be treated as original and authentic.
- B14.4.1 If the Bidder submits alternative bids, the bid security shall be in the amount of the specified percentage of the highest Total Bid Price submitted.
- B14.5 The bid security of the successful Bidder and the next two lowest evaluated responsive and responsible Bidders will be released by the City when a Contract for the Work has been duly formed with the successful Bidder and the contract securities are furnished as provided herein. The bid securities of all other Bidders will be released when a Contract is awarded.
- B14.6 The bid securities of all Bidders will be released by the City as soon as practicable following notification by the Contract Administrator to the Bidders that no award of Contract will be made pursuant to the Tender.

#### **B15. OPENING OF BIDS AND RELEASE OF INFORMATION**

- B15.1 Bids will not be opened publicly.

- B15.2 Following the submission deadline, the names of the Bidders and their Total Bid Prices (unevaluated, and pending review and verification of conformance with requirements) will be available on the MERX website at [www.merx.com](http://www.merx.com).
- B15.3 After award of Contract, the name(s) of the successful Bidder(s) and their Contract amount(s) will be available on the MERX website at [www.merx.com](http://www.merx.com).
- B15.4 The Bidder is advised that any information contained in any Bid may be released if required by The Freedom of Information and Protection of Privacy Act (Manitoba), by other authorities having jurisdiction, or by law or by City policy or procedures (which may include access by members of City Council).
- B15.4.1 To the extent permitted, the City shall treat as confidential information, those aspects of a Bid Submission identified by the Bidder as such in accordance with and by reference to Part 2, Section 17 or Section 18 or Section 26 of The Freedom of Information and Protection of Privacy Act (Manitoba), as amended.

**B16. IRREVOCABLE BID**

- B16.1 The Bid(s) submitted by the Bidder shall be irrevocable for the time period specified in Paragraph 11 of Form A: Bid/Proposal.
- B16.2 The acceptance by the City of any Bid shall not release the Bids of the next two lowest evaluated responsive Bidders and these Bidders shall be bound by their Bids on such Work until a Contract for the Work has been duly formed and the contract securities have been furnished as herein provided, but any Bid shall be deemed to have lapsed unless accepted within the time period specified in Paragraph 11 of Form A: Bid/Proposal.

**B17. WITHDRAWAL OF BIDS**

- B17.1 A Bidder may withdraw their Bid without penalty prior to the Submission Deadline.

**B18. EVALUATION OF BIDS**

- B18.1 Award of the Contract shall be based on the following bid evaluation criteria:
- (a) compliance by the Bidder with the requirements of the Tender, or acceptable deviation therefrom (pass/fail);
  - (b) qualifications of the Bidder and the Subcontractors, if any, pursuant to B13 (pass/fail);
  - (c) Total Bid Price;
  - (d) economic analysis of any approved alternative pursuant to B7.
- B18.2 Further to B18.1(a), the Award Authority may reject a Bid as being non-responsive if the Bid is incomplete, obscure or conditional, or contains additions, deletions, alterations or other irregularities. The Award Authority may reject all or any part of any Bid, or waive technical requirements or minor informalities or irregularities, if the interests of the City so require.
- B18.2.1 Any bid with an apparent imbalance between the unit prices in Part 1 and Part 2 may be determined to be non-responsive and rejected by the Award Authority in their sole discretion, acting reasonably.
- B18.3 Further to B18.1(b), the Award Authority shall reject any Bid submitted by a Bidder who does not demonstrate, in their Bid or in other information required to be submitted, that they are qualified.
- B18.4 Further to B18.1(c), the Total Bid Price shall be the sum of the quantities multiplied by the unit prices for each item shown on Form B: Prices.

- B18.4.1 Further to B18.1(a), in the event that a unit price is not provided on Form B: Prices, the City may determine the unit price by dividing the Amount (extended price) by the approximate quantity, for the purposes of evaluation and payment.
- B18.4.2 Bidders are advised that the calculation indicated in B18.4 will prevail over the Total Bid Price entered in MERX.

**B19. AWARD OF CONTRACT**

- B19.1 The City will give notice of the award of the Contract or will give notice that no award will be made.
- B19.2 The City will have no obligation to award a Contract to a Bidder, even though one or all of the Bidders are determined to be qualified, and the Bids are determined to be responsive.
- B19.2.1 Without limiting the generality of B19.2, the City will have no obligation to award a Contract where:
- (a) the prices exceed the available City funds for the Work;
  - (b) the prices are materially in excess of the prices received for similar work in the past;
  - (c) the prices are materially in excess of the City's cost to perform the Work, or a significant portion thereof, with their own forces;
  - (d) only one Bid is received; or
  - (e) in the judgment of the Award Authority, the interests of the City would best be served by not awarding a Contract.
- B19.3 If funding for the Work is provided to the City of Winnipeg by the Government of Manitoba and/or the Government of Canada, Bidders are advised that the terms of D35 shall immediately take effect upon confirmation of such funding, regardless of when funding is confirmed.
- B19.4 Where an award of Contract is made by the City, the award shall be made to the qualified Bidder submitting the lowest evaluated responsive Bid, in accordance with B18.
- B19.4.1 Following the award of contract, a Bidder will be provided with information related to the evaluation of their Bid upon written request to the Contract Administrator.
- B19.5 As noted in D3 and identified in Form B: Prices, the Work of Part 2 will be contingent upon the issuance of the signed "Enter to Construct" agreement by Manitoba Hydro. If Part 2 Work is not approved by Manitoba Hydro the City shall have the right to eliminate all or any portion of Part 2 Work in accordance with D3.3.

## PART C - GENERAL CONDITIONS

### C0. GENERAL CONDITIONS

- C0.1 The *General Conditions for Construction* (Revision 2020-01-31) are applicable to the Work of the Contract.
- C0.1.1 The *General Conditions for Construction* are available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Division website at [http://www.winnipeg.ca/matmgt/gen\\_cond.stm](http://www.winnipeg.ca/matmgt/gen_cond.stm)
- C0.2 A reference in the Tender to a section, clause or subclause with the prefix “**C**” designates a section, clause or subclause in the *General Conditions for Construction*.

## PART D - SUPPLEMENTAL CONDITIONS

### GENERAL

#### D1. GENERAL CONDITIONS

D1.1 In addition to the General Conditions for Construction, these Supplemental Conditions are applicable to the Work of the Contract.

#### D2. FORM OF CONTRACT DOCUMENTS

D2.1 Notwithstanding C4.1(c) and C4.4, the Contract Documents will be provided to the Contractor electronically and there will be no requirement for execution and return to the City by the Contractor. Accordingly, the provisions under C4.4(a) and C4.4(b) are no longer applicable.

#### D3. SCOPE OF WORK

D3.1 The Work to be done under the Contract shall consist of two parts:

- (a) Part 1 – New Multi-Use Pathways, Pathway Renewals and Thin Bituminous Overlay
- (b) Part 2 – Refinery District BRT Pathway Connection

##### **Part 1 – New Multi-Use Pathways, Pathway Renewals and Thin Bituminous Overlay**

D3.2 Part 1 – Work shall consist of:

- (a) New Multi-Use Pathways
  - (i) Empress Street Pathway from River Trail Pathway to Empress Street
  - (ii) Wellington Avenue Westbound on North side from West Limit of 1821 Wellington Avenue to Berry Street
- (b) Pathway Renewals
  - (i) Harbourview Park
  - (ii) Niakwa Trail Pathway from St. Annes Road to Cottonwood Road and Autumnwood Drive to Westmount Drive
- (c) Thin Bituminous Overlay
  - (i) Ansell Court from Fernbank Avenue to End
  - (ii) Baden Court from Fernbank Avenue to End
  - (iii) Bell Avenue from Harkness Avenue to End
  - (iv) Consulate Road from Diplomat Drive to Ambassador Row
  - (v) Deepwood Cove from Fernbank Avenue to End
  - (vi) Dorset Street from Manitoba Avenue to Pritchard Avenue
  - (vii) Figaro Street from Talbot Avenue to Hebert Avenue
  - (viii) Foster Street from Manhattan Avenue to Beach Avenue
  - (ix) Furby Street from Broadway to Portage Avenue
  - (x) Greenwood Place from Wolseley Avenue to Portage Avenue
  - (xi) Herbert Avenue from Figaro Street to Chester Street
  - (xii) Madrigal Close from Mapleton Drive to Marquis Crescent
  - (xiii) Mandan Road from Herron Road to Mariner Crescent
  - (xiv) Maplegrove Road from 3 Maplegrove Road to 27 Maplegrove Road
  - (xv) Pritchard Avenue from Chudley Street to Keewatin Street
  - (xvi) Ross Avenue West from King Edward Street to Oddy Street
  - (xvii) Samantha Place from Tully Road to End

## **Part 2 – Refinery District BRT Pathway Connection**

D3.3 Part 2 – Work shall consist of:

(a) New Multi-Use Pathway

(i) Refinery District BRT Pathway Connection from BRT Station to Ballantrae Drive

D3.4 The City currently has not received issuance of the “Enter to Construct” agreement for Part 2 of the Work, but is anticipating receiving issuance from Manitoba Hydro. Part 2 of the Work is contingent upon issuance of this agreement.

D3.4.1 Further to C7.1, if issuance of agreement is not received by July 28, 2023, the City will eliminate all or portion of Part 2, and the Contract Price will be reduced accordingly.

D3.4.2 Further to C7.5, C7.5.1 and C7.6, a reduction in the Contract Price pursuant to D3.4.1 shall not be considered in calculating the aggregate reduction in the Contract Price for purposes of C7.5.

D3.5 The major components of the Work are as follows:

## **Part 1 – New Multi-Use Pathways, Pathway Renewals and Thin Bituminous Overlay**

(a) New Multi-Use Pathways:

- (i) Removal of existing sidewalk as required;
- (ii) Removal of existing curb as required;
- (iii) Stripping and stockpiling topsoil;
- (iv) Relocation of existing hydrant;
- (v) Excavation;
- (vi) Compaction of existing sub-grade;
- (vii) Removal of existing trees;
- (viii) Placement of geotextile fabric;
- (ix) Hauling and placing granular B recycled concrete sub-base;
- (x) Placement of geogrid;
- (xi) Supplying and placing granular B base course;
- (xii) Construct concrete barrier curb as required;
- (xiii) Construct modified barrier curb as required;
- (xiv) Renewal of monolithic curb ramp as required;
- (xv) Placement of asphalt scratch pavement (Type 1A);
- (xvi) Placement of pavement repair fabric as required;
- (xvii) Placement of final lift asphalt pavement (Type 1A);
- (xviii) Grading of boulevards and topsoil placement; and
- (xix) Placement of sod.

(b) Pathway Renewals:

- (i) Install temporary snow fencing as required;
- (ii) Removal of existing sidewalk as required;
- (iii) Removal of existing curb as required;
- (iv) Removal of existing asphalt as required;
- (v) Tree removal as required;
- (vi) Excavation;
- (vii) Installation of corrugated steel culverts;
- (viii) Compaction of existing sub-grade;
- (ix) Placement of geotextile;
- (x) Hauling and placing of granular B recycled concrete sub-base;

- (xi) Placement of geogrid;
  - (xii) Supply and placing of granular B base course;
  - (xiii) Construct new barrier curb;
  - (xiv) Construct new concrete sidewalk;
  - (xv) Construct new curb ramp;
  - (xvi) Renew existing barrier curb;
  - (xvii) Renew existing concrete sidewalk;
  - (xviii) Renew existing curb ramp;
  - (xix) Installation of detectable warning tiles;
  - (xx) Planning of existing asphalt;
  - (xxi) Placement of asphalt scratch pavement (Type 1A);
  - (xxii) Placement of pavement repair fabric as required;
  - (xxiii) Placement of final lift asphalt pavement (Type 1A);
  - (xxiv) Grading of boulevards and topsoil placement; and
  - (xxv) Placement of sod.
- (c) Thin Bituminous Overlay (TBO):
- (i) Removal of existing asphalt;
  - (ii) Planning of asphalt and/or concrete pavements and lip curbs;
  - (iii) Full-depth concrete repairs of existing slabs and joints;
  - (iv) Placement of pavement repair fabric;
  - (v) Adjustment of drainage inlets, manholes, catch basins and water valves;
  - (vi) Renewal of curb and sidewalk;
  - (vii) Renewal of curb ramp;
  - (viii) Grading of boulevards and topsoil placement;
  - (ix) Placement of asphalt overlay (Type 1A); and
  - (x) Placement of sod.

## **Part 2 – Refinery District BRT Pathway Connection**

- (a) New Multi-Use Pathway:
- (i) Excavation;
  - (ii) Installation of corrugated steel culverts;
  - (iii) Compaction of existing sub-grade;
  - (iv) Placing of fill material;
  - (v) Placement of geotextile fabric;
  - (vi) Hauling and placing granular B recycled concrete sub-base;
  - (vii) Placement of geogrid;
  - (viii) Supplying and placing granular B base course;
  - (ix) Placement of scratch asphalt pavement (Type 1A);
  - (x) Placement of pavement repair fabric as required;
  - (xi) Placement of final lift asphalt pavement (Type 1A);
  - (xii) Re-grading of existing ditch;
  - (xiii) New ditch excavation and grading;
  - (xiv) Grading of boulevards and topsoil placement;
  - (xv) Install new wood fencing; and
  - (xvi) Placement of sod.



#### **D4. SITE INVESTIGATION DUE DILIGENCE AND RISK**

D4.1 Notwithstanding C3.1, the Contractor acknowledges that the site investigation reports and other site information included in this Tender have been provided to it and may be relied upon by the Contractor to the extent that the Contractor uses Good Industry Practice in interpreting such report(s) and site information and carries out the Work in accordance with Good Industry Practice based upon such report(s) and the information contained in them and such other site information. In the event that a site condition related to:

- (a) the location of any utility which 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;
- (b) the Site conditions, including but not limited to subsurface hazardous materials or other concealed physical conditions;
- (c) the location, nature, quality or quantity of the materials to be removed or to be employed in the performance of the Work;
- (d) the nature, quality or quantity of the Plant needed to perform the Work;
- (e) all matters concerning access to the Site, power supplies, location of existing services, utilities or materials necessary for the completion of the Work; and
- (f) all other matters which could in any way affect the performance of the Work;

that could not have been “properly inferable”, “readily apparent” and readily discoverable” using Good Industry Practice by the Contractor, results in additional Work which is a direct result of this newly discovered site condition, such additional Work will be considered by the City under Changes in Work.

#### **D5. CONTRACT ADMINISTRATOR**

D5.1 The Contract Administrator is:

Erik Hansen, C.E.T.  
Technologist III

Telephone No. 204-918-4367

Email Address [EHansen@Winnipeg.ca](mailto:EHansen@Winnipeg.ca)

D5.2 At the pre-construction meeting, the Contract Administrator will identify additional personnel representing the Contract Administrator and their respective roles and responsibilities for the Work.

#### **D6. CONTRACTOR'S SUPERVISOR**

D6.1 At the pre-construction meeting, the Contractor shall identify their designated supervisor and any additional personnel representing the Contractor and their respective roles and responsibilities for the Work.

D6.2 At least two (2) Business Days prior to the commencement of any Work on the site, the Contractor shall provide the Contract Administrator with a phone number where the supervisor identified in D6.1 or an alternate can be contacted twenty-four (24) hours a day to respond to an emergency.

#### **D7. ACCESSIBLE CUSTOMER SERVICE REQUIREMENTS**

D7.1 The Accessibility for Manitobans Act (AMA) imposes obligations on The City of Winnipeg to provide accessible customer service to all persons in accordance with the Customer Service Standard Regulation (“CSSR”) to ensure inclusive access and participation for all people who live, work or visit Winnipeg regardless of their abilities.

D7.1.1 The Contractor agrees to comply with the accessible customer service obligations under the CSSR and further agrees that when providing the Goods or Services or otherwise

acting on the City of Winnipeg's behalf, shall comply with all obligations under the AMA applicable to public sector bodies.

- D7.1.2 The accessible customer service obligations include, but are not limited to:
- (a) providing barrier-free access to goods and services;
  - (b) providing reasonable accommodations;
  - (c) reasonably accommodating assistive devices, support persons, and support animals;
  - (d) providing accessibility features e.g. ramps, wide aisles, accessible washrooms, power doors and elevators;
  - (e) inform the public when accessibility features are not available;
  - (f) providing a mechanism or process for receiving and responding to public feedback on the accessibility of all goods and services; and
  - (g) providing adequate training of staff and documentation of same.

## **D8. UNFAIR LABOUR PRACTICES**

- D8.1 Further to C3.2, the Contractor declares that in bidding for the Work and in entering into this Contract, the Contractor and any proposed Subcontractor(s) conduct their respective business in accordance with established international codes embodied in United Nations Universal Declaration of Human Rights (UDHR) <https://www.un.org/en/about-us/universal-declaration-of-human-rights> International Labour Organization (ILO) [https://www.ilo.org/global/lang--en/index.htm](https://www.ilo.org/global/lang-en/index.htm) conventions as ratified by Canada.
- D8.2 The City of Winnipeg is committed and requires its Contractors and their Subcontractors, to be committed to upholding and promoting international human and labour rights, including fundamental principles and rights at work covered by ILO eight (8) fundamental conventions and the United Nations Universal Declaration of Human Rights which includes child and forced labour.
- D8.3 Upon request from the Contract Administrator, the Contractor shall provide disclosure of the sources (by company and country) of the raw materials used in the Work and a description of the manufacturing environment or processes (labour unions, minimum wages, safety, etc.).
- D8.4 Failure to provide the evidence required under D8.3, may be determined to be an event of default in accordance with C18.
- D8.5 In the event that the City, in its sole discretion, determines the Contractor to have violated the requirements of this section, it will be considered a fundamental breach of the Contract and the Contractor shall pay to the City a sum specified by the Contract Administrator in writing ("Unfair Labour Practice Penalty"). Such a violation shall also be considered an Event of Default, and shall entitle the City to pursue all other remedies it is entitled to in connection with same pursuant to the Contract.
- D8.5.1 The Unfair Labour Practice Penalty shall be such a sum as determined appropriate by the City, having due regard to the gravity of the Contractor's violation of the above requirements, any cost of obtaining replacement goods/ services or rectification of the breach, and the impact upon the City's reputation in the eyes of the public as a result of same.
- D8.5.2 The Contractor shall pay the Unfair Labour Practice Penalty to the City within thirty (30) Calendar Days of receiving a demand for same in accordance with clause D8.5. The City may also hold back the amount of the Unfair Labour Practice Penalty from payment for any amount it owes the Contractor.
- D8.5.3 The obligations and rights conveyed by this clause survive the expiry or termination of this Contract, and may be exercised by the City following the performance of the Work, should the City determine, that a violation by the Contractor of the above clauses has occurred

following same. In no instance shall the Unfair Labour Practice Penalty exceed the total of twice the Contract value.

#### **D9. FURNISHING OF DOCUMENTS**

D9.1 Upon award of the Contract, the Contractor will be provided with 'issued for construction' Contract Documents electronically, including Drawings in PDF format only.

#### **SUBMISSIONS**

#### **D10. AUTHORITY TO CARRY ON BUSINESS**

D10.1 The Contractor shall be in good standing under The Corporations Act (Manitoba), or properly registered under The Business Names Registration Act (Manitoba), or otherwise properly registered, licensed or permitted by law to carry on business in Manitoba, or if the Contractor does not carry on business in Manitoba, in the jurisdiction where the Contractor does carry on business, throughout the term of the Contract, and shall provide the Contract Administrator with evidence thereof upon request.

#### **D11. SAFE WORK PLAN**

D11.1 The Contractor shall provide the Contract Administrator with a Safe Work Plan at least five (5) Business Days prior to the commencement of any Work on the Site but in no event later than the date specified in C4.1 for the return of the executed Contract Documents, if applicable.

D11.2 The Safe Work Plan shall be prepared and submitted in the format shown in the City's template which is available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Division website at <http://www.winnipeg.ca/matmgt/safety/default.stm>

D11.3 Notwithstanding B13.4 at any time during the term of the Contract, the City may, at their sole discretion and acting reasonably, require an updated COR Certificate or Annual Letter of good Standing. A Contractor, who fails to provide a satisfactory COR Certificate or Annual Letter of good Standing, will not be permitted to continue to perform any Work.

#### **D12. INSURANCE**

D12.1 The Contractor shall provide and maintain the following insurance coverage:

- (a) commercial general liability insurance, in the amount of at least two million dollars (\$2,000,000.00) inclusive, with the City and Manitoba Hydro added as additional insureds, with a cross-liability clause, such liability policy to also contain contractual liability, unlicensed motor vehicle liability, non-owned automobile liability, broad form property damage cover and products and completed operations, to remain in place at all times during the performance of the Work and throughout the warranty period;
- (b) automobile liability insurance covering all motor vehicles, owned and operated and used or to be used by the Contractor directly or indirectly in the performance of the Work. The Limit of Liability shall not be less than \$2,000,000 inclusive for loss or damage including personal injuries and death resulting from any one accident or occurrence;
- (c) an all risks Installation Floater carrying adequate limits to cover all machinery, equipment, supplies and/or materials intended to enter into and form part of any installation.

D12.2 Deductibles shall be borne by the Contractor.

D12.3 All policies shall be taken out with insurers licensed in the Province of Manitoba.

D12.4 The Contractor shall provide the City Solicitor with a certificate(s) of insurance, in a form satisfactory to the City Solicitor, at least two (2) Business Days prior to the commencement of

any Work but in no event later than the date specified in the C4.1 for the return of the executed Contract Documents, as applicable.

D12.5 The Contractor shall not cancel, materially alter, or cause each policy to lapse without providing at least thirty (30) Calendar Days prior written notice to the Contract Administrator.

### **D13. CONTRACT SECURITY**

D13.1 The Contractor shall provide and maintain the performance bond and the labour and material payment bond until the expiration of the warranty period in the form of:

- (a) a performance bond of a company registered to conduct the business of a surety in Manitoba, in the form attached to these Supplemental Conditions (Form H1: Performance Bond), in the amount of fifty percent (50%) of the Contract Price; and
- (b) a labour and material payment bond of a company registered to conduct the business of a surety in Manitoba, in the form attached to these Supplemental Conditions (Form H2: Labour and Material Payment Bond), in an amount equal to fifty percent (50%) of the Contract Price.

D13.1.1 Where the contract security is a performance bond, it may be submitted in hard copy or digital format. If submitted in digital format the contract security must meet the following criteria:

- (a) the version submitted by the Contractor must have valid digital signatures and seals;
- (b) the version submitted by the Contractor must be verifiable by the City with respect to the totality and wholeness of the bond form, including: the content; all digital signatures and digital seals; with the surety company, or an approved verification service provider of the surety company.
- (c) the version submitted must be viewable, printable and storable in standard electronic file formats compatible with the City, and in a single file. Allowable formats include pdf.
- (d) 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.
- (e) the results of the verification must provide a clear, immediate and printable indication of pass or fail regarding D13.1(b).

D13.1.2 Digital bonds failing the verification process will not be considered to be valid and may be determined to be an event of default in accordance with C18.1. If a digital bond fails the verification process, the Contractor may provide a replacement bond (in hard copy or digital format) within seven (7) Calendar Days of the City's request or within such greater period of time as the City in their discretion, exercised reasonably, allows.

D13.1.3 Digital bonds passing the verification process will be treated as original and authentic.

D13.2 The Contractor shall provide the Contract Administrator identified in D5.1 with the required performance and labour and material payment bonds within seven (7) Calendar Days of notification of the award of the Contract by way of an award letter and prior to the commencement of any Work on the Site but in no event later than the date specified in C4.1 for the return of the executed Contract Documents, if applicable.

D13.3 The Contractor shall, as soon as practicable after entering into a contract with a Subcontractor:

- (a) give the Subcontractor written notice of the existence of the labour and material payment bond in D13.1(b); and
- (b) post a notice of the bond and/or a copy of that bond in a conspicuous location at the Site of the Work.

#### **D14. SUBCONTRACTOR LIST**

D14.1 The Contractor shall provide the Contract Administrator with a complete list of the Subcontractors whom the Contractor proposes to engage (Form J: Subcontractor List) at or prior to a pre-construction meeting, or at least two (2) Business Days prior to the commencement of any Work on the Site but in no event later than the date specified in the C4.1 for the return of the executed Contract Documents, if applicable.

#### **D15. DETAILED WORK SCHEDULE**

D15.1 The Contractor shall provide the Contract Administrator with a detailed work schedule at least two (2) Business Days prior to the commencement of any Work on the Site but in no event later than the date specified in the General Conditions for the return of the executed Contract Documents, as applicable.

D15.2 If, prior to submitting the Detailed Work Schedule, the Contractor does not receive notification pursuant to D17.4 that all or some portion of Part 2 of the Work may be commenced, they shall complete the Detailed Work Schedule for only Part 1 of the Work assuming that, if all of Part 2 is eliminated, the time periods stipulated in D23 for Substantial Performance of the Work and in D24 for Total Performance of the Work will be reduced by five (5) Working Days.

D15.3 If, after submitting the Detailed Work Schedule, the Contractor receives notification that all or any portion of Part 2 of the Work may be commenced, they shall submit a revised Detailed Work Schedule no later than two (2) Business Days from receipt of the notification.

D15.4 The detailed work schedule shall consist of the following:  
(a) a Gantt chart for the Work, acceptable to the Contract Administrator.

D15.5 Further to D15.4(a), the Gantt chart shall show the time on a weekly basis, required to carry out the Work of each trade, or specification division. The time shall be on the horizontal axis, and the type of trade shall be on the vertical axis.

#### **D16. REQUIREMENTS FOR SITE ACCESSIBILITY PLAN**

D16.1 The Contractor shall provide the Contract Administrator with an Accessibility Plan at least five (5) Business Days prior to the commencement of any Work on the Site but in no event later than the date specified in C4.1 for the return of the executed Contract Documents, if applicable.

D16.2 The Accessibility Plan shall demonstrate how the Contractor will accommodate the safe passage of pedestrians and cyclists in accordance with the Manual of Temporary Traffic Control, the Contract Drawings, Staging Plans, and Streets By-Law No. 1481/77 at all times for the duration of the Construction. Unless noted in the Contract, the Accessibility Plan must include a written plan for the following:

- (a) How the Contractor will maintain at least one crossing in each direction for each intersection (one north/south crosswalk and one east/west crosswalk).
- (b) How the Contractor will maintain access to bus stops within the site.
- (c) How the Contractor will maintain access to pedestrian corridors and half signals.
- (d) How the Contractor will maintain cycling facilities.
- (e) How the Contractor will maintain access to residents and businesses unless otherwise noted in the Contract.
- (f) Any required detour signage at adjacent crossings to facilitate sidewalk or active transportation pathway closures.

D16.3 The Accessibility Plan may also include figures, sketches, or drawings to demonstrate the proposed plan.

- D16.4 The Accessibility Plan shall include written details on how the Contractor intends to review, maintain, and document all items related to the Accessibility Plan on-site during Construction, including, but not limited to:
- (a) Signage
  - (b) Temporary Ramping
  - (c) Transit Stops
  - (d) Detour Signage
- D16.5 At minimum, the Contractor shall review the site conditions on a daily basis to ensure that all features related to the Accessibility Plan are in place. The site review is intended to correct deficiencies as a result of unforeseen events such as wind, traffic, or the general public. Deficiencies that are direct result of the Contractors actions must be corrected immediately.
- D16.6 Any changes to the Accessibility Plan must be approved by the Contract Administrator.
- D16.7 Upon request from the Contract Administrator, the Contractor shall provide records demonstrating that the site has been maintained.
- D16.8 Deficiencies as a direct result of actions by the Contractor that are not immediately corrected and/or failure to produce records that demonstrate that the site was maintained in compliance with the Accessibility Plan may result in a pay adjustment via the monthly Progress Payment. The rate of pay adjustment will be as per the following schedule:
- (a) First Offence – A warning will be issued and documented in the weekly or bi-weekly site meeting.
  - (b) Second Offence – A field instruction to immediately correct the site will be issued by the Contract Administrator.
  - (c) Third and subsequent Offences – A pay reduction will be issued in the amount of \$250.00 per instance and per day.

## **SCHEDULE OF WORK**

### **D17. COMMENCEMENT**

- D17.1 The Contractor shall not commence any Work until they are in receipt of an award letter from the Award Authority authorizing the commencement of the Work.
- D17.2 The Contractor shall not commence any Work on the Site until:
- (a) the Contract Administrator has confirmed receipt and approval of:
    - (i) evidence of authority to carry on business specified in D10;
    - (ii) evidence of the workers compensation coverage specified in C6.15;
    - (iii) the twenty-four (24) hour emergency response phone number specified in D6.2.
    - (iv) the Safe Work Plan specified in D11;
    - (v) evidence of the insurance specified in D12;
    - (vi) the contract security specified in D13;
    - (vii) the subcontractor list specified in D14;
    - (viii) the detailed work schedule specified in D15;
    - (ix) the Requirements for Site Accessibility Plan specified in D16; and
    - (x) the direct deposit application form specified in D31.
  - (b) the Contractor has attended a pre-construction meeting with the Contract Administrator, or the Contract Administrator has waived the requirement for a pre-construction meeting.

- D17.3 The Contractor shall not commence the Work on the Site before June 12, 2023 and shall commence the Work on Site no later than Jun 16, 2023, as directed by the Contract Administrator and weather permitting.
- D17.4 The Contractor shall not commence Part 2 of the Work as described in D3.3 and identified in Form B: Prices, unless, they have received notification from the Contract Administrator that the City has received the signed "Enter to Construct" agreement by Manitoba Hydro.
- D17.5 The City intends to award this Contract by June 2<sup>nd</sup>, 2023.

## **D18. WORKING DAYS**

- D18.1 Further to C1.1(tt);
- D18.1.1 The Contract Administrator will determine daily if a Working Day has elapsed and will record their assessment. On a weekly basis the Contract Administrator will provide the Contractor with a record of the Working Days assessed for the preceding week. The Contractor shall sign each report signifying that they agree with the Contract Administrator's determination of the Working Days assessed for the report period.
- D18.1.2 Work done to restore the Site to a condition suitable for Work, shall not be considered "work" as defined in the definition of a Working Day.
- D18.1.3 When the Work includes two or more major types of Work that can be performed under different atmospheric conditions, the Contract Administrator shall consider all major types of Work in determining whether the Contractor was able to work in assessing Working Days.
- D18.1.4 Saturdays and Sundays will be considered a Working Day if the Contractor is working at least seven (7) hours on Site and the Contract Administrator deems that the Contract Administrator's staff is also required on Site.

## **D19. RESTRICTED WORK HOURS**

- D19.1 Further to clause 3.10 of CW 1130, the Contractor shall require written permission forty-eight (48) hours in advance from the Contract Administrator for any work to be performed between 2000 hours and 0700 hours, or on Saturdays, Sundays, Statutory Holidays and or Civic Holidays.
- D19.2 The following work hour restrictions shall also apply:
- (a) The Contractor shall not be allowed to occupy a Traffic Lane on the Priority 1 Streets during Peak Traffic hours between 07:00 – 09:00 and 15:00 – 18:00 Monday through Friday.

## **D20. WORK BY OTHERS**

- D20.1 Further to C6.25, the Contractor's attention is directed to the fact that other Contractors, the personnel of Utilities and the staff of the City may be working within the project limit, approach roadway, adjacent roadways or right-of-way. The activities of these agencies may coincide with the Contractors execution of work and it will be the Contractor's responsibility to cooperate to the fullest extent with other personnel working in the area, and such cooperation is an obligation of the Contractor under the terms of Contract.
- D20.2 Work by others on or near the Site will include but not necessarily be limited to:
- (a) City of Winnipeg Geomatics Branch;
- (b) City of Winnipeg Parks and Open Spaces;
- (c) City of Winnipeg Traffic Signals Branch;
- (d) City of Winnipeg Traffic Services;

- (e) Manitoba Hydro – Hydro pole removals on Wellington Avenue;
- (f) Bell MTS – Manhole adjustments; and
- (g) Shaw – UT Vault adjustment on Wellington Avenue.

D20.3 Further to D20.1 the Contractor shall cooperate and coordinate all activities with all parties performing required Work by Others. The Contractor must include and accommodate Work by Others identified in D20.2 or additional parties, in their construction schedule as per D15 and accommodate the necessary area on Site required for the Work by Others to complete the Work.

## **D21. SEQUENCE OF WORK**

D21.1 Further to C6.1, the sequence of Work shall comply with the following:

D21.1.1 Providing that the Work on each street is completed in a similar order to the order that the Work was commenced in, the Contractor will be permitted to have a maximum of three (3) TBO locations and two (2) Pathway locations under construction at any one time. Completion of a street means that all of the necessary concrete, asphalt including approaches and landscaping Work is completed to the satisfaction of the Contract Administrator.

D21.1.2 Where the Contractor utilizes two (2) or more crews that work independently on the same major component of the Work as identified in D3, the Contract Administrator may approve an increase to the maximum number of streets under construction at any time.

D21.1.3 Placing the topsoil and finished grading of all boulevard and median areas shall be completed prior to commencing construction of asphaltic concrete overlays as identified in Part 1 – Thin Bituminous Overlays, including scratch courses.

## **D22. CRITICAL STAGES**

D22.1 The Contractor shall achieve critical stages of the Work in accordance with the following requirements:

- (a) Ross Avenue West – The Contractor shall complete the Work on Site specified in Part 1 of D3.5(c) no later than September 1, 2023.

D22.2 When the Contractor considers the Work associated with Ross Avenue West to be completed, the Contractor shall arrange, attend and assist in the inspection of the Work with the Contract Administrator for purposes of verifying Completion. Any defects or deficiencies in the Work noted during that inspection shall be remedied by the Contractor at the earliest possible instance and the Contract Administrator notified so that the Work can be re-inspected.

D22.3 The date on which the Ross Avenue West Work has been accepted by the Contract Administrator as being completed to the requirements of the Contract is the date on which completion of Ross Avenue West has been achieved.

## **D23. SUBSTANTIAL PERFORMANCE**

D23.1 The Contractor shall achieve Substantial Performance within sixty (60) consecutive Working Days of the commencement of the Work as specified in D17.

D23.2 When the Contractor considers the Work to be substantially performed, the Contractor shall arrange, attend and assist in the inspection of the Work with the Contract Administrator for purposes of verifying Substantial Performance. Any defects or deficiencies in the Work noted during that inspection shall be remedied by the Contractor at the earliest possible instance and the Contract Administrator notified so that the Work can be re-inspected.



D23.3 The date on which the Work has been certified by the Contract Administrator as being substantially performed to the requirements of the Contract through the issue of a certificate of Substantial Performance is the date on which Substantial Performance has been achieved.

#### **D24. TOTAL PERFORMANCE**

D24.1 The Contractor shall achieve Total Performance within sixty-five (65) consecutive Working Days of the commencement of the Work as specified in D17.

D24.2 When the Contractor or the Contract Administrator considers the Work to be totally performed, the Contractor shall arrange, attend and assist in the inspection of the Work with the Contract Administrator for purposes of verifying Total Performance. Any defects or deficiencies in the Work noted during that inspection shall be remedied by the Contractor at the earliest possible instance and the Contract Administrator notified so that the Work can be re-inspected.

D24.3 The date on which the Work has been certified by the Contract Administrator as being totally performed to the requirements of the Contract through the issue of a certificate of Total Performance is the date on which Total Performance has been achieved.

#### **D25. LIQUIDATED DAMAGES**

D25.1 If the Contractor fails to achieve Critical Stages, Substantial Performance or Total Performance in accordance with the Contract by the days fixed herein for same, the Contractor shall pay the City the following amounts per Working Day for each and every Working Day following the days fixed herein for same during which such failure continues:

- (a) Critical Stage Ross Avenue West – Two thousand five hundred dollars (\$2,500.00);
- (b) Substantial Performance – Three thousand five hundred dollars (\$3,500.00);
- (c) Total Performance – One thousand dollars (\$1,000.00);

D25.2 The amounts specified for liquidated damages in D25.1 are based on a genuine pre-estimate of the City's losses in the event that the Contractor does not achieve critical stages, Substantial Performance or Total Performance by the days fixed herein for same.

D25.3 The City may reduce any payment to the Contractor by the amount of any liquidated damages assessed.

#### **D26. COVID-19 SCHEDULE DELAYS**

D26.1 The City acknowledges that the schedule for this Contract may be impacted by the COVID-19 pandemic. Commencement and progress of the Work shall be performed by the Contractor with due consideration to the health and safety of workers and the public, directives from health authorities and various levels of government and in close consultation with the Contract Administrator.

D26.2 If the Contractor is delayed in the performance of the Work by reason of the COVID-19 pandemic, the Work schedule may be adjusted by a period of time equal to the time lost due to such delay and costs related to such delay will be determined as identified herein.

D26.3 A minimum of seven (7) Calendar Days prior to the commencement of Work, the Contractor shall declare whether COVID-19 will affect the start date. The Contractor shall provide sufficient evidence that the delay is directly related to COVID-19, including but not limited to evidence related to availability of staff, availability of Material or work by others.

D26.4 For any delay related to COVID-19 and identified after Work has commenced, the Contractor shall within seven (7) Calendar Days of becoming aware of the anticipated delay declare the additional delay and shall provide sufficient evidence as indicated in D26.3. Failure to provide this notice will result in no additional time delays being considered by the City.

- D26.5 The Work schedule, including the durations identified in D19 to D24 where applicable, will be adjusted to reflect delays accepted by the Contract Administrator. No additional payment will be made for adjustment of schedules except where seasonal work, not previously identified in the Contract, is carried over to the following construction season.
- D26.6 Where Work not previously identified is being carried over solely as a result of delays related to COVID-19, as confirmed by the Contract Administrator, the cost of temporary works to maintain the Work in a safe manner until Work recommences, will be considered by the Contract Administrator. Where the Work is carried over only partially due to COVID-19, a partial consideration of the cost of temporary works will be considered by the Contract Administrator.
- D26.7 Any time or cost implications as a result of COVID-19 and in accordance with the above, as confirmed by the Contract Administrator, shall be documented in accordance with C7.

## **D27. SCHEDULED MAINTENANCE**

- D27.1 The Contractor shall perform the following scheduled maintenance in the manner and within the time periods required by the Specifications:
- (a) Sod maintenance as specified in CW 3510-R10;
  - (b) Reflective crack maintenance as specified in CW 3250-R7.
- D27.2 Determination of Substantial Performance and Total Performance shall be exclusive of scheduled maintenance identified herein. All scheduled maintenance shall be completed prior to the expiration of the warranty period. Where the scheduled maintenance cannot be completed during the warranty period, the warranty period shall be extended for such period of time as it takes the Contractor to complete the scheduled maintenance.

## **CONTROL OF WORK**

### **D28. JOB MEETINGS**

- D28.1 Regular weekly job meetings will be held at the Site or location agreed to by the Contract Administrator and the Contractor. These meetings shall be attended by a minimum of one representative of the Contract Administrator and one representative of the Contractor. Each representative shall be a responsible person capable of expressing the position of the Contract Administrator and the Contractor respectively on any matter discussed at the meeting including the Work schedule and the need to make any revisions to the Work schedule. The progress of the Work will be reviewed at each of these meetings.
- D28.2 The Contract Administrator reserves the right to cancel any job meeting or call additional job meetings whenever they deem it necessary.

### **D29. PRIME CONTRACTOR – THE WORKPLACE SAFETY AND HEALTH ACT (MANITOBA)**

- D29.1 Further to C6.26, 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 (Manitoba).

### **D30. THE WORKPLACE SAFETY AND HEALTH ACT (MANITOBA) – QUALIFICATIONS**

- D30.1 Further to B13.4, the Contractor/Subcontractor must, throughout the term of the Contract, have a Workplace Safety and Health Program meeting the requirements of The Workplace Safety and Health Act (Manitoba). At any time during the term of the Contract, the City may, at their sole discretion and acting reasonably, require updated proof of compliance, as set out in B13.4.

## MEASUREMENT AND PAYMENT

### D31. PAYMENT

D31.1 Further to C12, the City shall make payments to the Contractor by direct deposit to the Contractor's banking institution, and by no other means. Payments will not be made until the Contractor has made satisfactory direct deposit arrangements with the City. Direct deposit application forms are at [https://winnipeg.ca/finance/files/Direct\\_Deposit\\_Form.pdf](https://winnipeg.ca/finance/files/Direct_Deposit_Form.pdf).

### D32. FUEL PRICE ADJUSTMENT

D32.1 The Contract is subject to a fuel price adjustment which will be calculated monthly based on eligible Work completed utilizing the following mathematical formulas;

- (a) where the price of fuel has increased -  $((CFI/BFI)-1.15) \times Q \times FF$ ; and
- (b) where the price of fuel has decreased -  $((CFI/BFI)-0.85) \times Q \times FF$ ; where
  - (i) BFI = base fuel index
  - (ii) CFI = current fuel index
  - (iii) FF = fuel factor
  - (iv) Q = monetary value of Work applied in the calculation.

D32.1.1 Eligible Work will be determined in accordance with D32.5.

D32.1.2 The base fuel index (BFI) will be the retail price of fuel identified on the Submission Deadline based on latest published "Monthly average retail prices for gasoline and fuel by geography" for Winnipeg, published by [Statistics Canada, Table 18-10-0001-01](#). The BFI is a blended rate based on 15% regular unleaded gasoline at self-service filling stations and 85% diesel fuel at self-service filling stations.

D32.1.3 The current fuel index (CFI) based on the above blended rate will be determined for each monthly progress estimate and applied on the following progress estimate as a change order once rates are published by Statistics Canada.

D32.1.4 A Fuel Factor (FF) rate of the monetary value of all eligible Work completed that month based on the Contract unit prices will be used to calculate the assumed apportioned cost of fuel.

D32.2 Fuel cost adjustments may result in additional payment to the Contractor or credit to the City within the Contract by way of a monthly change order.

D32.3 The fuel escalation or de-escalation adjustment will not be applied if the CFI is within  $\pm 15\%$  of the BFI.

D32.4 Fuel escalation adjustments will not be considered beyond the Substantial Performance/Critical Stages except where those dates/Working Days are adjusted by change order. Fuel de-escalation adjustments will apply for Work that extends beyond the dates/Working Days specified for Substantial Performance/Critical Stages.

D32.5 The Fuel Factor (FF) rates will be set as follows:

- (a) The Fuel Factor rate shall be set at 2.7% of the monetary value of all Work based on unit prices except for the portions of the Contract identified below.

## WARRANTY

### D33. WARRANTY

D33.1 Notwithstanding C13.2, the warranty period shall begin on the date of Substantial Performance and shall expire one (1) year thereafter for Resurfacing and Rehabilitation works on Niakwa Trail Pathway identified in D3.2 and two (2) years thereafter for New and Reconstruction Works

on Empress Street Pathway, Harbourview Park, Refinery District BRT Pathway Connection and Wellington Avenue identified in D3.2 and D3.3, unless extended pursuant to C13.2.1 or C13.2.2, in which case it shall expire when provided for thereunder.

## DISPUTE RESOLUTION

### D34. DISPUTE RESOLUTION

- D34.1 If the Contractor disagrees with any opinion, determination, or decision of the Contract Administrator, the Contractor shall act in accordance with the Contract Administrator's opinion, determination, or decision unless and until same is modified by the process followed by the parties pursuant to D34.
- D34.2 The entire text of C21.4 is deleted, and amended to read: "Intentionally Deleted"
- D34.3 The entire text of C21.5 is deleted, and amended to read:
- (a) If Legal Services has determined that the Disputed Matter may proceed in the Appeal Process, the Contractor must, within ten (10) Business Days of the date of the Legal Services Response Letter, submit their written Appeal Form, in the manner and format set out on the City's Materials Management Website, to the Chief Administrative Officer, and to the Contract Administrator. The Contractor may not raise any other disputes other than the Disputed Matter in their Appeal Form.
- D34.4 Further to C21, prior to the Contract Administrator's issuance of a Final Determination, the following informal dispute resolution process shall be followed where the Contractor disagrees with any opinion, determination, or decision of the Contract Administrator ("Dispute"):
- (a) In the event of a Dispute, attempts shall be made by the Contract Administrator and the Contractor's equivalent representative to resolve Disputes within the normal course of project dealings between the Contract Administrator and the Contractor's equivalent representative.
  - (b) Disputes which in the reasonable opinion of the Contract Administrator or the Contractor's equivalent representative cannot be resolved within the normal course of project dealings as described above shall be referred to a without prejudice escalating negotiation process consisting of, at a minimum, the position levels as shown below and the equivalent Contractor representative levels:
    - (i) The Contract Administrator;
    - (ii) Supervisory level between the Contract Administrator and applicable Department Head;
    - (iii) Department Head.
- D34.4.1 Names and positions of Contractor representatives equivalent to the above City position levels shall be determined by the Contractor and communicated to the City at the pre-commencement or kick off meeting.
- D34.4.2 As these negotiations are not an adjudicative hearing, neither party may have legal counsel present during the negotiations.
- D34.4.3 Both the City and the Contractor agree to make all reasonable efforts to conduct the above escalating negotiation process within twenty (20) Business Days, unless both parties agree, in writing, to extend that period of time.
- D34.4.4 If the Dispute is not resolved to the City and Contractor's mutual satisfaction after discussions have occurred at the final escalated level as described above, or the time period set out in D34.4.3, as extended if applicable, has elapsed, the Contract Administrator will issue a Final Determination as defined in C1.1(v), at which point the parties will be governed by the Dispute Resolution process set out in C21.

## THIRD PARTY AGREEMENTS

### D35. FUNDING AND/OR CONTRIBUTION AGREEMENT OBLIGATIONS

- D35.1 In the event that funding for the Work of the Contract is provided to the City of Winnipeg by the Government of Manitoba and/or the Government of Canada, the following terms and conditions shall apply, as required by the applicable funding agreements.
- D35.2 Further to D35.1, in the event that the obligations in D35 apply, actual costs legitimately incurred by the Contractor as a direct result of these obligations ("Funding Costs") shall be determined by the actual cost to the Contractor and not by the valuation method(s) outlined in C7.4. In all other respects Funding Costs will be processed in accordance with Changes in Work under C7.
- D35.3 For the purposes of D35:
- (a) **"Government of Canada"** includes the authorized officials, auditors, and representatives of the Government of Canada; and
  - (b) **"Government of Manitoba"** includes the authorized officials, auditors, and representatives of the Government of Manitoba.
- D35.4 Modified Insurance Requirements
- D35.4.1 If not already required under the insurance requirements identified in D12, the Contractor will be required to provide wrap-up liability insurance in an amount of no less than two million dollars (\$2,000,000) inclusive per occurrence. Such policy will be written in the joint names of the City, Contractor, Consultants and all sub-contractors and sub-consultants and include twelve (12) months completed operations. The Government of Manitoba and their Ministers, officers, employees, and agents shall be added as additional insureds.
- D35.4.2 If not already required under the insurance requirements identified in D12, the Contractor will be required to provide builders' risk insurance (including boiler and machinery insurance, as applicable) providing all risks coverage at full replacement cost, or such lower level of insurance that the City may identify on a case-by-case basis, such as an installation floater.
- D35.4.3 The Contractor shall obtain and maintain third party liability insurance with minimum coverage of two million dollars (\$2,000,000.00) per occurrence on all licensed vehicles operated at the Site. In the event that this requirement conflicts with another licensed vehicle insurance requirement in this Contract, then the requirement that provides the higher level of insurance shall apply.
- D35.4.4 Further to D12.4, insurers shall provide satisfactory Certificates of Insurance to the Government of Manitoba prior to commencement of Work as written evidence of the insurance required. The Certificates of Insurance must provide for a minimum of thirty (30) days' prior written notice to the Government of Manitoba in case of insurance cancellation.
- D35.4.5 All policies must be taken out with insurers licensed to carry on business in the Province of Manitoba.
- D35.5 Indemnification By Contractor
- D35.5.1 In addition to the indemnity obligations outlined in C17 of the General Conditions for Construction, the Contractor agrees to indemnify and save harmless the Government of Canada and the Government of Manitoba and each of their respective Ministers, officers, servants, employees, and agents from and against all claims and demands, losses, costs, damages, actions, suit or other proceedings brought or pursued in any manner in respect of any matter caused by the Contractor or arising from this Contract or the Work, or from the goods or services provided or required to be provided by the Contractor, except those resulting from the negligence of any of the Government of Canada's or the Government of Manitoba's Ministers, officers, servants, employees, or agents, as the case may be.

- D35.5.2 The Contractor agrees that in no event will Canada or Manitoba, their respective officers, servants, employees or agents be held liable for any damages in contract, tort (including negligence) or otherwise, for:
- (a) any injury to any person, including, but not limited to, death, economic loss or infringement of rights;
  - (b) any damage to or loss or destruction of property of any person; or
  - (c) any obligation of any person, including, but not limited to, any obligation arising from a loan, capital lease or other long term obligation;

in relation to this Contract or the Work.

#### D35.6 Records Retention and Audits

D35.6.1 The Contractor shall maintain and preserve accurate and complete records in respect of this Contract and the Work, including all accounting records, financial documents, copies of contracts with other parties and other records relating to this Contract and the Work during the term of the Contract and for at least six (6) years after Total Performance. Those records bearing original signatures or professional seals or stamps must be preserved in paper form; other records may be retained in electronic form.

D35.6.2 In addition to the record keeping and inspection obligations outlined in C6 of the General Conditions for Construction, the Contractor shall keep available for inspection and audit at all reasonable times while this Contract is in effect and until at least six (6) years after Total Performance, all records, documents, and contracts referred to in D35.6.1 for inspection, copying and audit by the City of Winnipeg, the Government of Manitoba and/or the Government of Canada and their respective representatives and auditors, and to produce them on demand; to provide reasonable facilities for such inspections, copying and audits, to provide copies of and extracts from such records, documents, or contracts upon request by the City of Winnipeg, the Government of Manitoba, and/or the Government of Canada and their respective representatives and auditors, and to promptly provide such other information and explanations as may be reasonably requested by the City of Winnipeg, the Government of Manitoba, and/or the Government of Canada from time-to-time.

#### D35.7 Other Obligations

D35.7.1 The Contractor consents to the City providing a copy of the Contract Documents to the Government of Manitoba and/or the Government of Canada upon request from either entity.

D35.7.2 If the Lobbyists Registration Act (Manitoba) applies to the Contractor, the Contractor represents and warrants that it has filed a return and is registered and in full compliance with the obligations of that Act, and covenants that it will continue to comply for the duration of this Contract.

D35.7.3 The Contractor shall comply with all applicable legislation and standards, whether federal, provincial, or municipal, including (without limitation) labour, environmental, and human rights laws, in the course of providing the Work.

D35.7.4 The Contractor shall properly account for the Work provided under this Contract and payment received in this respect, prepared in accordance with generally accepted accounting principles in effect in Canada, including those principles and standards approved or recommended from time-to-time by the Chartered Professional Accountants of Canada or the Public Sector Accounting Board, as applicable, applied on a consistent basis.

D35.7.5 The Contractor represents and warrants that no current or former public servant or public office holder, to whom the Value and Ethics Code for the Public Sector, the Policy on Conflict of Interest and Post Employment, or the Conflict of Interest Act applies, shall derive direct benefit from this Contract, including any employment, payments, or gifts,

unless the provision or receipt of such benefits is in compliance with such codes and the legislation.

D35.7.6 The Contractor represents and warrants that no member of the House of Commons or of the Senate of Canada or of the Legislative Assembly of Manitoba is a shareholder, director or officer of the Contractor or of a Subcontractor, and that no such member is entitled to any benefits arising from this Contract or from a contract with the Contractor or a Subcontractor concerning the Work.

**FORM H1: PERFORMANCE BOND**  
(See D13)

KNOW EVERYONE BY THESE PRESENTS THAT

\_\_\_\_\_ ,  
(hereinafter called the "Principal"), and

\_\_\_\_\_ ,  
(hereinafter called the "Surety"), are held and firmly bound unto **THE CITY OF WINNIPEG** (hereinafter called the "Obligee"), in the sum of

\_\_\_\_\_ dollars (\$\_\_\_\_\_)

of lawful money of Canada to be paid to the Obligee, or its successors or assigns, for the payment of which sum the Principal and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS the Principal has entered into a written contract with the Obligee for

TENDER NO. 36-2023

2023 New Multi-Use Pathways, Pathway Renewals and Thin Bituminous Overlay Program which is by reference made part hereof and is hereinafter referred to as the "Contract".

NOW THEREFORE the condition of the above obligation is such that if the Principal shall:

- (a) carry out and perform the Contract and every part thereof in the manner and within the times set forth in the Contract and in accordance with the terms and conditions specified in the Contract;
- (b) perform the Work in a good, proper, workmanlike manner;
- (c) make all the payments whether to the Obligee or to others as therein provided;
- (d) in every other respect comply with the conditions and perform the covenants contained in the Contract; and
- (e) indemnify and save harmless the Obligee against and from all loss, costs, damages, claims, and demands of every description as set forth in the Contract, and from all penalties, assessments, claims, actions for loss, damages or compensation whether arising under "The Workers Compensation Act", or any other Act or otherwise arising out of or in any way connected with the performance or non-performance of the Contract or any part thereof during the term of the Contract and the warranty period provided for therein;

THEN THIS OBLIGATION SHALL BE VOID, but otherwise shall remain in full force and effect. The Surety shall not, however, be liable for a greater sum than the sum specified above.

AND IT IS HEREBY DECLARED AND AGREED that the Surety shall be liable as Principal, and that nothing of any kind or matter whatsoever that will not discharge the Principal shall operate as a discharge or release of liability of the Surety, any law or usage relating to the liability of Sureties to the contrary notwithstanding.

IN WITNESS WHEREOF the Principal and Surety have signed and sealed this bond the

\_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_ .



**SIGNED AND SEALED**  
in the presence of:

\_\_\_\_\_  
(Witness as to Principal if no seal)

\_\_\_\_\_  
(Name of Principal)

Per: \_\_\_\_\_ (Seal)

Per: \_\_\_\_\_

\_\_\_\_\_  
(Name of Surety)

By: \_\_\_\_\_ (Seal)  
(Attorney-in-Fact)

**FORM H2: LABOUR AND MATERIAL PAYMENT BOND**  
(See D13)

KNOW EVERYONE BY THESE PRESENTS THAT

\_\_\_\_\_  
his/its heirs, executors, administrators, successors or assigns (hereinafter called the "Principal"), and

\_\_\_\_\_  
his/its heirs, executors, administrators, successors or assigns (hereinafter called the "Surety"), are held and firmly bound unto **THE CITY OF WINNIPEG** (hereinafter called the "Obligee"), for the use and benefit of claimants as herein below defined, in the amount of

\_\_\_\_\_ dollars (\$\_\_\_\_\_)

of lawful money of Canada, for the payment whereof we, the Principal and the Surety jointly and severally bind ourselves firmly by these presents.

WHEREAS the Principal has entered into a written contract with the Obligee for

TENDER NO. 36-2023

2023 New Multi-Use Pathways, Pathway Renewals and Thin Bituminous Overlay Program which is by reference made part hereof and is hereinafter referred to as the "Contract".

NOW THEREFORE the condition of the above obligation is such that if the Principal shall promptly make payment to all claimants as hereinafter defined, for all labour, service and material used or reasonably required for use in the performance of the Contract, then this obligation shall be void, otherwise it shall remain in full force and effect subject, however, to the following conditions:

- (a) A claimant is defined as one having a direct contract with the Principal for labour, service and material, or any of them, used or reasonably required for use in the performance of the contract, labour, service and material being construed to include that part of water, gas, power, light, heat, oil, gasoline, telephone service or rental of equipment (but excluding rent of equipment where the rent pursuant to an agreement is to be applied towards the purchase price thereof) directly applicable to the Contract;
- (b) The above-named Principal and Surety hereby jointly and severally agree with the Obligee that every claimant as herein defined, who has not been paid in full before the expiration of a period of ninety (90) days after the date on which the last of such claimant's work, labour or service was done or performed, or materials were furnished by such claimant, may sue on this bond, prosecute the suit to final judgment for such sum or sums as may be justly due claimant, and have execution thereon;
- (c) No suit or action shall be commenced hereunder by any claimant
  - (i) unless claimant shall have given written notice to the Principal and the Surety above-named, within one hundred and twenty (120) days after such claimant did or performed the last of the work, labour or service, or furnished the last of the materials for which said claim is made, stating with substantial accuracy the amount claimed and the name of the party to whom the materials were furnished, or for whom the work, labour or service was done or performed. Such notice shall be served by mailing the same by registered mail to the Principal, and Surety, at any place where an office is regularly maintained for the transaction of business, or served in any manner in which legal process may be served in the Province of Manitoba;

- (ii) after the expiration of one (1) year following the date on which Principal ceased work on said Contract; including work performed under the guarantees provided in the Contract;
  - (iii) other than in a court of competent jurisdiction in the Province of Manitoba.
- (d) The amount of this bond shall be reduced by and to the extent of any payment or payments made in good faith hereunder, inclusive of the payment by Surety of mechanics liens which may be filed of record against said improvement, whether or not claim for the amount of such lien be presented under and against this bond.
- (e) The Surety shall not be liable for a greater sum than the specified penalty of this bond.

The Principal and Surety hereby agree that The Guarantors' Liability Act (Manitoba) shall apply to this Bond.

IN TESTIMONY WHEREOF, the Principal has hereunto set its hand affixed its seal, and the Surety has caused these presents to be sealed and with its corporate seal duly attested by the authorized signature of its signing authority this

\_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_ .

SIGNED AND SEALED  
in the presence of:

\_\_\_\_\_  
(Witness as to Principal if no seal)

\_\_\_\_\_  
(Name of Principal)

Per: \_\_\_\_\_ (Seal)

Per: \_\_\_\_\_

\_\_\_\_\_  
(Name of Surety)

By: \_\_\_\_\_ (Seal)  
(Attorney-in-Fact)



**FORM J: SUBCONTRACTOR LIST**  
 (See D14)

2023 NEW AT PATHWAYS, PATHWAY RENEWALS AND THIN BITUMINOUS OVERLAY PROGRAM

<u>Portion of the Work</u>	<u>Name</u>	<u>Address</u>
<b>UNDERGROUND WORKS:</b>		
<b><u>Supply of Materials:</u></b>		
Manhole Riser Rings		
Manhole Solid Cover		
Mountable Curb and Gutter Paving Cover		
Corrugated Steel Pipe		
Culvert End Markers		
Components for hydrant relocation		
<b><u>Installation and Placement:</u></b>		
Manhole Riser Rings		
Manhole Solid Cover		
Mountable Curb and Gutter Paving Cover		
Corrugated Steel Pipe		
Culvert End Markers		
Relocating Existing Hydrant – Class B		

## PART E - SPECIFICATIONS

### GENERAL

#### E1. APPLICABLE SPECIFICATIONS AND DRAWINGS

- E1.1 These Specifications shall apply to the Work.
- E1.2 *The City of Winnipeg Standard Construction Specifications* in their entirety, whether or not specifically listed on Form B: Prices, shall apply to the Work.
- E1.2.1 *The City of Winnipeg Standard Construction Specifications* is available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Division website at <http://www.winnipeg.ca/matmgt/Spec/Default.stm>
- E1.2.2 The version in effect three (3) Business Days before the Submission Deadline shall apply.
- E1.2.3 Further to C2.4(d), Specifications included in the Tender shall govern over *The City of Winnipeg Standard Construction Specifications*.
- E1.3 Bidders are reminded that requests for approval of substitutes as an approved equal or an approved alternative shall be made in accordance with B7. In every instance where a brand name or design specification is used, the City will also consider approved equals and/or approved alternatives in accordance with B7.
- E1.4 The following are applicable to the Work:

<u>Drawing No.</u>	<u>Drawing Name/Title</u>	<u>Drawing (Original) Sheet Size</u>
	Cover Sheet	
SE-23-90	Empress Street Pathway from River Trail Pathway to Empress Street – 1+00 to 1+46	A1
SE-23-91	Harbourview Park Pathway – 1+00 to 2+60	A1
SE-23-92	Harbourview Park Pathway – 2+60 to 4+03	A1
SE-23-93	Niakwa Trail Pathway from St. Anne’s Road to Des Meurons Street – 1+00 to 3+40	A1
SE-23-94	Niakwa Trail Pathway from St. Anne’s Road to Des Meurons Street – 3+40 to 4+05	A1
SE-23-95	Niakwa Trail Pathway from Happiness Bridge to Cottonwood Road – 6+00 to 8+40	A1
SE-23-96	Niakwa Trail Pathway from Happiness Bridge to Cottonwood Road – 8+40 to 10+80	A1
SE-23-97	Niakwa Trail Pathway from Happiness Bridge to Cottonwood Road – 10+80 to 13+20	A1
SE-23-98	Niakwa Trail Pathway from Happiness Bridge to Cottonwood Road – 13+20 to 15+60	A1
SE-23-99	Niakwa Trail Pathway from Happiness Bridge to Cottonwood Road – 15+60 to 16+01	A1
SE-23-100	Niakwa Trail Pathway from Autumnwood Drive to Westmount Drive – 1+00 to 3+40	A1
SE-23-101	Niakwa Trail Pathway from Autumnwood Drive to Westmount Drive – 3+40 to 4+60	A1
SE-23-102	Niakwa Trail Pathway from Autumnwood Drive to Westmount Drive – 4+60 to 5+80	A1
SE-23-103	Niakwa Trail Pathway from Autumnwood Drive to Westmount Drive – 5+80 to 8+20	A1

<u>Drawing No.</u>	<u>Drawing Name/Title</u>	<u>Drawing (Original) Sheet Size</u>
SE-23-104	Niakwa Trail Pathway from Autumnwood Drive to Westmount Drive – 8+20 to 10+32	A1
SE-23-105	Refinery District BRT Pathway Connection from BRT Station to Ballantrae Drive – 1+00 to 2+33 and 1+00 to 1+54	A1
SE-23-106	Wellington Avenue from West Limit Approach to Berry Street – 1+00 to 3+06	A1
SE-23-107	Greenwood Place from Wolseley Avenue to Portage Avenue	A1
SE-23-108	Furby Street from Broadway to Portage Avenue	A1
SE-23-108	Hebert Avenue from Figaro Street to Chester Street	A1
SE-23-108	Figaro Street from Talbot Avenue to Hebert Avenue	A1
SE-23-108	Pritchard Avenue from Chudley Street to Keewatin Street	A1
SE-23-108	Dorset Street from Manitoba Avenue to Pritchard Avenue	A1
SE-23-108	Foster Street from Manhattan Avenue to Beach Avenue	A1
SE-23-109	Consulate Road from Diplomat Drive to Ambassador Row	A1
SE-23-109	Samantha Place from Tully Road to End	A1
SE-23-109	Mandan Road from Herron Road to Mariner Crescent	A1
SE-23-110	Bell Avenue from Harkness Avenue to End	A1
SE-23-110	Deepwood Cove from Fernbank Avenue to End	A1
SE-23-110	Ansell Court from Fernbank Avenue to End	A1
SE-23-110	Maplegrove Road from 3 Maplegrove Road to 27 Maplegrove Road	A1
SE-23-110	Baden Court from Fernbank Avenue to End	A1
SE-23-111	Madrigal Close from Mapleton Drive to Marquis Crescent	A1
SE-23-111	Ross Avenue West from King Edward Street to Oddy Street	A1

## E2. MOBILIZATION AND DEMOBILIZATION PAYMENT

### DESCRIPTION

- E2.1 This Specification shall cover all operations relating to the mobilization and demobilization of the Contractor to the project location(s).
- E2.2 The Work to be done by the Contractor under this Specification shall include the furnishing of all superintendence, overhead, labour, materials, equipment, tools, supplies, and all things necessary for and incidental to the satisfactory performance and completion of all Works as hereinafter specified.
- E2.3 The inclusion of a payment item for the Work under this Specification shall not release or reduce the responsibilities of the Contractor under any other specification in this Contract.

### SCOPE OF WORK

- E2.4 Further to C12 of the General Conditions, where Mobilization and Demobilization is included as a bid item, it shall consist of the following, as applicable:
- (a) Mobilization shall include, but not be limited to:
    - (i) All activities and associated costs for transportation of the Contractor's personnel, equipment, and operating supplies to the site, and/or sites, and/or between sites;
    - (ii) Establishment of offices, buildings, other necessary general facilities and equipment parking/staging areas for the Contractor's operations at the site or sites;
    - (iii) Premiums paid for performance and payment bonds including coinsurance and reinsurance agreements as applicable;
    - (iv) General cleanup and housekeeping needed maintain a neat and orderly project site(s);
    - (v) Other job related items.
  - (b) Demobilization shall include, but not be limited to:

- (i) All activities and costs for transportation of personnel, equipment, and supplies not used in the project from the site, and/or sites, and/or between sites;
- (ii) Disassembly, removal, and site cleanup and restoration of offices, buildings, and other facilities assembled on the site and/or sites;
- (iii) Repair of access roads, temporary haul roads, and equipment parking areas leaving the project site in the same or better condition than at the start of the project;
- (iv) General cleanup and housekeeping needed to restore a neat and orderly project site.

E2.5 Access to the site, equipment parking, and staging areas are limited to that shown on the drawings or as approved by the Contract Administrator.

#### MEASUREMENT AND PAYMENT

E2.6 The lump-sum price for the Mobilization and Demobilization bid item shall not exceed five percent (5.00%) of the total bid price for the Contract.

E2.6.1 Further to B10, B18, C12 and E2.6, should the lump sum price exceed 5% of the Total Bid Price the lump sum price will be reduced to 5% of the Total Bid Price, the Total Bid Price will be determined using the reduced lump sum price and payment will be based on the reduced lump sum price.

E2.7 Payment for Mobilization:

- (a) 60% of the lump-sum price will be paid to the contractor for Mobilization on the first Progress Estimate for the Contract.

E2.8 Payment for Demobilization:

- (a) The remaining 40% of the lump-sum price will be paid upon:
  - (i) Restoration of the site and/or sites to the satisfaction of the Contract Administrator; and
  - (ii) Distribution of the Declaration of Total Performance.

E2.9 Pay Reduction for Accessibility Plan

- (a) The Demobilization payment will be reduced by the number of pay adjustments incurred in accordance with D16 and as determined by the Contract Administrator.

E2.10 Mobilization and Demobilization will be paid only once (to a maximum of 100%), regardless of the number of times the Contractor mobilizes to the site and/or sites.

### E3. GEOTECHNICAL REPORT

E3.1 Further to C3.1, the geotechnical report is provided to aid the Contractor's evaluation of the pavement structure and/or existing soil conditions. The geotechnical report is contained in Appendix 'A'.

### E4. PROTECTION OF EXISTING TREES AND BOULEVARDS

E4.1 The Contractor shall take the following precautionary steps to prevent damage from construction activities to existing boulevard trees within the limits of the construction area:

- (a) The Contractor shall not stockpile materials and soil or park vehicles and equipment on boulevards within 2 metres of trees.
- (b) Trees identified to be at risk by the Contract Administrator are to be strapped with 25 x 100 x 2400mm wood planks, or suitably protected as approved by the Contract Administrator.
- (c) Excavation shall be performed in a manner that minimizes damage to the existing root systems. Where possible, excavation shall be carried out such that the edge of the excavation shall be a minimum of 1.5 times the diameter (measured in inches), with the



outcome read in feet, from the closest edge of the trunk. Where roots must be cut to facilitate excavation, they shall be pruned neatly at the face of excavation.

- (d) Operation of equipment within the dripline of the trees shall be kept to the minimum required to perform the work required. Equipment shall not be parked, repaired, refuelled; construction materials shall not be stored, and earth materials shall not be stockpiled within the driplines of trees. The dripline of a tree shall be considered to be the ground surface directly beneath the tips of its outermost branches. The Contractor shall ensure that the operations do not cause flooding or sediment deposition on areas where trees are located.
- (e) Work on-site shall be carried out in such a manner so as to minimize damage to existing tree branches. Where damage to branches does occur, they shall be neatly pruned.

E4.2 All damage to existing trees caused by the Contractor's activities shall be repaired to the requirements and satisfaction of the Contract Administrator and the City Forester or their designate.

E4.3 No separate measurement or payment will be made for the protection of trees.

E4.4 Except as required in clause E4.1(c) and E4.1(e), Elm trees shall not be pruned at any time between April 1 and July 31.

E4.5 Plywood sheeting is required to be placed when crossing or driving on the boulevard or turf areas near trees as approved by the Contract Administrator.

## **E5. TRAFFIC CONTROL**

E5.1 Further to clauses 3.6, 3.7 and 3.8 of CW 1130:

- (a) Where directed by the Contract Administrator, the Contractor shall construct and maintain temporary asphalt ramps to alleviate vertical pavement obstructions such as manholes and planing drop-offs to the satisfaction of the Contract Administrator. Payment shall be in accordance with CW3410.
- (b) In accordance with the Manual of Temporary Traffic Control on City Streets (MTTC), the Contractor ("Construction Agency" in the Manual) shall be responsible for placing, maintaining and removing the appropriate temporary traffic control devices as specified by the MTTC, the Contract Drawings, Staging Plans and Traffic Management Plans or by the Traffic Management Branch of the City of Winnipeg Public Works Department. The Contractor shall bear all costs associated with the placement of temporary traffic control devices by their own forces or Subcontractor.
- (c) In addition, the Contractor shall be responsible for **supplying**, removing, placing and maintaining all regulatory signing including but not limited to:
  - (i) Parking restrictions;
  - (ii) Stopping restrictions;
  - (iii) Turn restrictions;
  - (iv) Diamond lane removal;
  - (v) Full or directional closures on a Regional Street;
  - (vi) Traffic routed across a median;
  - (vii) Full or directional closure of a non-regional street where there is a requirement for regulatory signs (turn restrictions, bus stop relocations, etc.) to implement the closure.
- (d) The Contractor shall remove and stockpile any regulatory signage not required during construction such as, but not limited to, parking restrictions, turn restrictions and loading restrictions.

- E5.2 Further to E5.1(c), the Contractor shall make arrangements with the Contract Administrator to supply regulatory signs as required.
- E5.3 Upon request from the Contract Administrator, the Contractor shall provide records demonstrating that the site has been maintained.
- E5.4 Further to E5.1(c) and E5.1(d) the Contractor shall make arrangements with the Traffic Services Branch of the City of Winnipeg to reinstall the permanent regulatory signs after the Contract Work is complete. The Contractor shall make arrangements to drop off the stockpiled materials to Traffic Services at 495 Archibald Street.
- E5.5 Any changes to the approved Traffic Management Plan must be submitted to the Contract Administrator a minimum of five (5) Working Days prior to the required change for approval.
- E5.6 If the Contract Administrator determines that the Contractor is not performing Traffic Control in accordance with this specification, Traffic Services may be engaged to perform the Traffic Control. In this event the Contractor shall bear costs charged to the project by the Traffic Services Branch of the City of Winnipeg in connection with the required Works.
- E5.7 The Contractor shall be required to obtain approval for all lane closures through the City of Winnipeg Traffic Management Branch. The Contract Administrator shall be added as an additional contact on all lane closure requests.

## **E6. TRAFFIC MANAGEMENT**

- E6.1 Further to clause 3.7 of CW 1130:
- (a) Single lane closures on intersecting and/or adjoining Regional Streets shall only be permitted during non-peak periods when required for construction activities when approved by the Traffic Management Branch. Storage/parking of materials, equipment or vehicles is not permitted on Regional Streets at any time unless approved by the Contract Administrator, in consultation with the Traffic Management Branch.
- E6.1.1 Empress Street from St. John Ambulance Way to Empress Street East
- (a) Pedestrian access must be maintained on the South sidewalk and bike lane during construction. Protective measures will need to be implemented.
- E6.1.2 Niakwa Trail along Archibald Street from Cottonwood Road to Fermor Avenue
- (a) Median and turning storage lanes must be maintained at all times.
- (b) Comanche Road access off Archibald Street must be maintained at all times.
- E6.1.3 Wellington Avenue from West Limit Approach to Berry Street
- (a) Median and turning storage lanes must be maintained at all times.
- (b) Approach access must be maintained at all times.
- E6.1.4 Flag persons may be necessary to maintain the flow of traffic during certain work operations.
- E6.1.5 The Contractor is responsible for maintaining all construction signage, barricades and traffic control within the area under construction, including advance warning construction signage at extremities of project area.
- E6.1.6 Should the Contractor be unable to maintain an existing access to a residence or business, they shall review the planned disruption with the business or residence and the Contract Administrator, and take reasonable measures to minimize the impact. The Contractor shall provide a minimum of 24 hours notification to the affected residence or business and the Contract Administrator, prior to disruption of access.
- E6.1.7 Pedestrian and ambulance/emergency vehicle access must be maintained at all times.

E6.1.8 Contractor responsible for all lane/sidewalk closure requests and approvals with City of Winnipeg Traffic Management Branch.

**E7. PEDESTRIAN SAFETY**

E7.1 During the project, a temporary snow fence shall be installed along the construction areas adjacent to playgrounds and the mini golf course at Harbourview Park. The Contractor shall be responsible for maintaining the snow fence in a proper working condition. No measurement for payment shall be made for this Work.

**E8. WATER OBTAINED FROM THE CITY**

E8.1 Further to clause 3.7 of CW 1120, the Contractor shall pay for all costs, including sewer charges, associated with obtaining water from the City in accordance with the Waterworks and Sewer By-laws.

**E9. OPERATING CONSTRAINTS FOR WORK IN CLOSE PROXIMITY TO CRITICAL WATER INFRASTRUCTURE**

E9.1 This Section details operating constraints for all Work to be carried out in close proximity to the City feeder mains and other critical water infrastructure. Close proximity shall be deemed to be any construction activity within a 5 m horizontal offset from the centreline of the feeder main, within 5 m of valve chambers and other appurtenances, and any other infrastructure identified below.

E9.2 The following shall be considered critical pipelines and water infrastructure for this project:

E9.2.1 Refinery District BRT Pathway Connection Aqueduct and Feedermain within Manitoba Hydro property.

E9.2.2 Niakwa Trail Pathway Feedermain

E9.3 General Considerations for Work in Close Proximity to Critical Water Infrastructure:

- (a) feeder mains are a critical component of the City of Winnipeg Regional Water Supply System and work in close proximity to feeder mains shall be undertaken with an abundance of caution. Feeder mains cannot typically be taken out of service for extended periods to facilitate construction and inadvertent damage caused to the pipe would likely have catastrophic consequences;
- (b) work around feeder mains shall be planned and implemented to minimize the time period that work is carried out in close proximity to the pipe and to ensure that the pipeline is not subjected to excessive construction related loads, including excessive vibrations and/or concentrated or asymmetrical lateral loads during backfill placement;
- (c) large diameter pressure pipe generally has limited ability to withstand increased earth and live loading. Therefore, every precaution must be undertaken to ensure that applied loading during all phases of construction is within accepted loading parameters. PCCP typically fails in a non-ductile mode and has the potential to cause extensive consequential damage to infrastructure if failure should occur; and,
- (d) construction in close proximity to critical infrastructure shall not commence until both the equipment and construction method statements have been submitted, reviewed, and accepted by the Contract Administrator.

E9.4 Submittals

E9.4.1 Submit proposed construction equipment specifications to the Contract Administrator for review a minimum of five (5) Business Days prior to construction. The equipment submission shall include:

- (a) Equipment operating and payload weights;
- (b) Equipment dimensions, including: wheel or track base, track length or axle spacing,

(c) Load distributions in the intended operating configuration.

E9.4.2 Submit a construction method statement to the Contract Administrator a minimum of five (5) Business Days prior to construction. The construction method statement shall contain the following minimum information:

- (a) proposed construction plan including excavation locations, haul routes, excavation equipment locations, and loading positions;
- (b) excavation plans, including shoring designs, for excavations occurring in close proximity to feeder mains (within 5 m horizontal of the pipe's centerline) where the excavation to be extended below the top of the feeder mains embedment zone (150 mm above the pipe);
- (c) trenchless construction methodology for feeder main crossings, including: installation methods, means of grade control, means of confirming clear separation between the new LDS and existing feeder main; and,
- (d) any other pertinent information required to accurately describe the construction activities in close proximity to the feeder main and permit the Contract Administrator to review the proposed construction plans.

E9.4.3 Incomplete or partial submissions will not be reviewed and will be returned to the Contractor for re-submission.

E9.4.4 Allow five (5) Business Days for review by the Contract Administrator.

#### E9.5 Feeder Main Operational Limitations

E9.5.1 Feeder main shutdowns are scheduled based on a number of factors including water demand, weather, reservoir operation, routine maintenance and repair work within the regional distribution system, and other factors. The City shall endeavour to make requested time periods available to the Contractor to schedule his/her work requiring removal of the feeder main from service, without limiting the City's control over the operation of the feeder main to complete other work, maintain adequate water supply and storage of water and maintain the integrity of the infrastructure. The City shall reserve the right to cancel and/or delay these schedule dates at any time, due to any circumstances that could adversely affect the feeder main or water supply including, but not limited to, high water demand, abnormal weather, failures of related water system components, and/or security concerns.

E9.5.2 Scheduling Restrictions:

- (a) Temporary feeder main shutdowns shall be limited to off-peak demand seasons (September 15 to May 15) and low demand hours including evening or other low demand periods.

E9.5.3 The Contractor shall provide Notice to the Contract Administrator in writing, a minimum of fifteen (15) Business Days prior to requiring the shutdown. The City will endeavour to schedule the shutdown as requested.

#### E9.6 Pre-Work, Planning and General Execution

E9.6.1 No work shall commence in close proximity to feeder mains, chambers, and critical infrastructure until the equipment specifications and construction method statement have been submitted and accepted, and feeder main locations have been clearly delineated in the field. Work over feeder mains shall only be carried out with equipment that has been reviewed and quantified in terms of its loading implications on the pipe.

E9.6.2 Contact the City of Winnipeg Water and Waste Department, Construction Services Coordinator prior to construction.

E9.6.3 Locate feeder mains and confirm their position horizontally and vertically at the proposed following locations prior to undertaking work in close proximity to the identified feeder mains. Note exact locations to be identified in the field.

- E9.6.4 Visually delineate all critical infrastructure identified herein on Site by use of paint, staking/flagging, construction fencing, snow fencing, or other suitable methods.
- E9.6.5 Only utilize construction practices and procedures that do not impart excessive vibratory loads on feeder mains and chambers or that would cause settlement of the subgrade below feeder mains and critical pipelines.
- E9.6.6 Where the existing road structure must be removed, crossing of critical infrastructure shall be prohibited from the time the existing roadway structure is removed until the completion of granular base construction. At all times prior to completion of final paving; reduce equipment speeds to levels that minimize the effects of impact loading to the critical infrastructure.
- E9.6.7 Only equipment and construction practices stipulated in the accepted construction method statement and the supplemental requirements noted herein may be utilized in close proximity to feeder mains, chambers, and other critical infrastructure identified herein.
- E9.6.8 Construction operations should be staged in such a manner as to limit multiple construction loads at one time, (e.g., offset crossings sufficiently from each other, rollers should remain a sufficient distance behind spreaders to limit loads. A reasonable offset distance is 3 m between loads).
- E9.6.9 Granular material, construction material, soil, and/or other material shall not be stockpiled on the pipelines or within 5 m of any feeder main, valve chamber, or other critical infrastructure identified herein.
- E9.6.10 The Contractor shall ensure that all crew members understand and observe the requirements of working near feeder mains, valve chambers, and critical infrastructure. Prior to commencement of on-Site work, the Contractor shall jointly conduct an orientation meeting with the Contract Administer, all superintendents, foreman, and heavy equipment operators to make all workers on the Site fully cognizant of the limitations of altered loading on, the ramifications of inadvertent damage to, and the constraints associated with work in close proximity to feeder mains and critical pipelines. New personnel introduced after commencement of the Project need to be formally orientated as outlined herein. It is recommended that restrictions associated with the crossing, consistent with the Contractor's submitted method statement be posted on Site and near the crossing.
- E9.7 Demolition, Excavation and Shoring
- E9.7.1 Use of pneumatic concrete breakers within 3 m of a feeder main, valve chamber, or critical pipeline is prohibited. Pavement shall be full depth sawcut and carefully removed. Use of hand held jackhammers for pavement removal will be allowed.
- E9.7.2 Offset excavation equipment a minimum of 3 m from the centerline of critical pipelines when undertaking excavations where there is less than 2.4 m of earth cover over the pipeline.
- E9.7.3 Utilize only smooth edged excavation buckets, soft excavation, or hand excavation techniques where there is less than 1.5 m of earth cover over the pipeline. Where there is less than 1.0 m of soil cover above the pipeline, provide full time supervision and complete the excavation utilizing hand excavation or soft excavation methods.
- E9.7.4 Equipment should not be allowed to operate while positioned directly over a feeder main or critical pipeline except were permitted herein, outlined in the reviewed and accepted construction method statement.
- E9.7.5 Excavations within 3 m of the outside edge of a feeder main (hydrovac holes for confirming trenchless installations excluded) and which extend below obvert of the feeder main shall utilize shoring methods that precludes the movement of native in-situ soils (i.e., a tight shoring system).
- E9.7.6 Pre-bore all piles to below the invert of critical infrastructure within 5 m (horizontally) of the pipeline's outside edge.

- E9.7.7 Offset pile driving equipment a minimum of 3 m (horizontally) from the centerline of the pipeline during piling operations.
- E9.8 Underground Construction and Trenchless Pipe Installation
- E9.8.1 Install pipes to the grades shown on the Drawings. A minimum clear separation distance (outside to outside of pipe wall) of 500 mm shall be maintained between crossing pipes and the feeder mains.
- E9.8.2 The Contractor shall locate feeder mains and confirm their position horizontally and vertically prior to commencing with any trenchless pipe installations to ensure proper clearances are maintained. Under NO circumstances should blind coring proceed across feeder mains.
- E9.8.3 The Contractor shall visually confirm the location and alignment of the drill rods or jacking pipe (horizontally and vertically) prior to proceeding with the trenchless installation beneath the feeder main. It is recommended that the new pipe alignment be confirmed within 2 m of the outside of the feeder main pipe but no closer than 0.5 m from the outside edge of the pipe.
- E9.8.4 No trenchless methods involving soil displacement (plugs) shall be permitted in the vicinity of the feeder main.
- E9.8.5 Pressure grouting or approved alternative methods shall be used to fill voids caused by the installation or if the bored hole diameter is greater than the outside diameter of the pipe by more than 25 mm.
- E9.8.6 Where excavation is required within the feeder main's embedment zone, the Contractor shall take steps to ensure the granular embedment material surrounding the feeder main remains stable during the work and the feeder main outside of the excavation is not undermined.
- E9.9 Subgrade Construction
- E9.9.1 Subgrade and backfill compaction within 3 m (horizontal) of a critical pipeline or valve chamber shall be limited to non-vibratory methods only. Small walk behind vibratory packers will be permitted.
- E9.9.2 Subgrade, sub-base and base course construction shall be kept in a rut free condition at all times. Construction equipment is prohibited from crossing pipelines if the grade is insufficient to support the equipment without rutting.
- E9.9.3 Subgrade conditions should be inspected by personnel with competent geotechnical experience (e.g., ability to adequately visually classify soils and competency of subgrade, subbase, and base course materials). In the event of encountering unsuitable subgrade materials above the feeder main, proposed design revisions shall be submitted to this office for review to obtain approval from the Water and Waste Department relative to any change in conditions.
- E9.9.4 Fill material shall not be dumped directly on pipelines but shall be stockpiled outside the limits noted in these recommendations and shall be carefully bladed in-place.
- E9.9.5 Only use compaction equipment approved by the Contract Administrator to compact fill materials above critical pipelines. Compaction of fill materials shall be completed using static methods only, no vibratory compaction will be allowed within the limits noted in these recommendations.
- E9.9.6 Construction operations shall be staged to minimize the time period between excavation to subgrade and placement of granular subbase materials. Should bare subgrade be left overnight, measures shall be implemented to protect the subgrade against inadvertent travel over it and to minimize the impact of wet weather.
- E9.10 Subbase and Base Course Construction

- E9.10.1 Subbase or base course materials shall not be dumped directly on pipelines but shall be stockpiled outside limits noted in these recommendations and shall be carefully bladed in-place.
- E9.10.2 Subbase compaction within 3 m horizontal of the centreline of a critical pipeline shall be either carried out by static methods (without vibration) or with smaller approved equipment such as hand held plate packers or smaller roller equipment.
- E9.11 Paving
- E9.11.1 When constructing asphalt pavements only non-vibratory compaction should be used within 3 m (horizontal) of the center of critical pipelines.

## **E10. SURFACE RESTORATIONS**

- E10.1 Further to clause 3.3 of CW 1130, when Total Performance is not achieved in the year the Contract is commenced, the Contractor shall temporarily repair any Work commenced and not completed to the satisfaction of the Contract Administrator. The Contractor shall maintain the temporary repairs in a safe condition as determined by the Contract Administrator until permanent repairs are completed. The Contractor shall bear all costs associated with temporary repairs and their maintenance.
- E10.2 Further to E10.1, if topsoil is in place but sod cannot be placed in the year the Contract is commenced, the Contractor shall perform any required remediation to the topsoil in the spring prior to placement of sod. No additional payment shall be made for the remediation of topsoil.

## **E11. INFRASTRUCTURE SIGNS**

- E11.1 The Contractor shall obtain infrastructure signs from the Traffic Services Sign Shop at 421 Osborne Street. The Contractor shall mount each sign securely to a rigid backing material approved by the Contract Administrator. The Contractor shall fasten each sign to a suitable support and erect and maintain one sign at each street as directed by the Contract Administrator. When the Contract Administrator considers the Work on the street complete, the Contractor shall remove and dispose of the signs and supports. No measurement for payment will be made for performing all operations herein described and all other items incidental to the work described

## **E12. TREE REMOVAL**

### DESCRIPTON

- E12.1 Provide all labour, materials, methods, equipment and accessories for the removal of trees.
- E12.2 Tree removal is to include the removal and disposal of the trees as shown in the drawings, as well as the root masses associated with the trees.

### CONSTRUCTION METHODS

- E12.3 To be performed as per Specification CW 3010.

### MEASUREMENT AND PAYMENT

- E12.4 Tree removal will be paid for at the Contract Unit Price for "Tree Removal", measured on a per unit basis, which price shall be payment in full for completing all operations herein described and all other items incidental to the Work included in this Specification, measured and accepted by the Contract Administrator.

## **E13. SITE FURNISHINGS**

### DESCRIPTION

- E13.1 This specification shall cover the removal of existing benches, salvage of existing benches and pick-up and installation of benches.
- E13.2 The Work to be done by the Contractor under this specification shall include the furnishing of all superintendence, overhead, labour, materials, equipment, tools, supplies and all other things necessary for and incidental to satisfactory performance and completion of all Work as shown on the drawings as specified herein.

#### REFERENCES

- E13.3 Referenced Standard Details:
- (a) SCD-121A Tache Bench Composite with Arms. See Appendix 'B'
  - (b) SCD-136A Accessible Bench Node. See Appendix 'B'

#### MATERIALS

- E13.4 All materials supplied under this specification shall be of a type approved by the Contract Administrator, and subject to inspection and testing by the Contract Administrator.
- E13.5 The Contractor is to submit an order form to Centralized Park Services (CPS) 10 work days prior to picking up new benches:
- <https://winnipeg.ca/ppd/Documents/CityPlanning/Parks/StandardConstructionDetails/CPS-Order-Form.xlsx>
- (a) Backed Bench – Tache Bench Composite with Arms – galvanized, as per SCD-121A, Product # 52501085GLV, or substitute in accordance with B6.

#### CONSTRUCTION METHODS

- E13.6 Remove and dispose existing benches and concrete foundations identified by the Contract Administrator. Backfill remaining holes to the elevation of existing grade using acceptable fill material as approved by the Contract Administrator.
- E13.7 Salvage existing benches and remove concrete foundations identified by the Contract Administrator. Backfill remaining holes to the elevation of existing grade using acceptable fill material as approved by the Contract Administrator.
- E13.8 All Work is to be located and installed in accordance with the drawings, and associated SCDs using approved non-rusting, vandal resistant fasteners to ensure solid, durable, finished work suitable for the purpose intended. Fasteners and assembly hardware shall be incidental to the Work.
- E13.9 All furnishings and fixtures to be installed plumb and true to correct elevations and location, as directed by the Contract Administrator. The Contractor shall confirm proposed locations of all site furnishings with the Contract Administrator prior to installation.
- E13.10 Concrete foundations shall be installed as per Drawings and SCD-121A.

#### MEASUREMENT AND PAYMENT

- E13.11 Method of Measurement shall be as follows:
- (a) Site Furniture will be measured on a per item basis for the following items for:
    - (i) "Pick Up and Install New Park Bench" on Form B: Prices.
    - (ii) "Salvage and Reinstall Existing Park Bench" on Form B: Prices.
  - (b) No separate Measurement shall be made for the removal and disposal of existing benches and existing concrete foundations as these items are incidental to the Work herein.



## **E14. HAULING AND PLACEMENT OF 50MM GRANULAR B RECYCLED CONCRETE AGGREGATE**

### DESCRIPTION

#### E14.1 General

E14.1.1 This specification covers the hauling from a designated supplier and installation of 50 mm Granular B Recycled Concrete Aggregate.

E14.1.2 Referenced Standard Construction Specifications

(a) CW 3110 – Sub-Grade, Sub-Base and Base Course Construction.

(b) CW 3610 – Installation of Culverts

### MATERIALS

E14.2 Materials will be provided to the Contractor by the supplier awarded the contract in accordance with Tender 986-2022.

### HAULING OF MATERIAL

E14.3 The Contractor shall obtain the 50 mm Granular B Recycled Concrete Aggregate by the supplier awarded the Contract in accordance with Tender 986-2022.

E14.4 The Contractor shall place orders for material by calling the supplier awarded the Contract in accordance with Tender 986-2022.

E14.5 The material will be available for pick up between the following hours:

(a) 0700 to 1800 from Monday to Friday

(b) 0700 to 1400 on Saturday

E14.6 Further to E14.5, material will not be available for pick up on general holidays in Manitoba.

E14.7 Requests for pick-up outside of these hours will must be made a minimum of (4) four Business Days in advance to the Contract Administrator.

E14.8 The Contractor will be provided use of the scale at the pick-up site to facilitate tare and gross vehicles weights. A printed ticket will be provided for each load.

E14.9 The supplier shall load the material into the Contractors truck/truck trailer and shall facilitate unloading when a truck has been overloaded.

### CONSTRUCTION METHODS

E14.10 Construction methods will be in accordance with CW 3110.

### QUALITY ASSURANCE TESTING

E14.11 Quality Assurance Testing for physical properties as per CW 3110 will not be required. Field Density Testing will be required as per CW 3110.

### MEASUREMENT AND PAYMENT

E14.12 The hauling, placing and compaction of sub-base material will be measured on a weight basis and paid for at the Contract Unit Price per tonne for the "Hauling and Placing Sub-base Material\*" listed here below. The weight to be paid for will be the total number of tonnes of sub-base material supplied and placed in accordance with this specification, accepted and measured by the Contract Administrator.

E14.13 Items of Work:

- (i) 50 mm Granular B Recycled Concrete Aggregate.

E14.14 The weight to be paid for will be the total number of tonnes of sub-base material as measured on a certified weight scale.

E14.15 Only material placed within the limits of excavation will be included in the payment for the "Items of Work listed for sub-base material".

E14.16 No measurement or payment will be made for materials rejected by the Contract Administrator.

**E15. SUPPLY AND INSTALLATION OF TIMBER FENCING**

DESCRIPTION

E15.1 This specification shall cover the supply and installation of the Timber Fence as shown on the drawings and SCD-105F.

E15.2 The Work to be done by the Contractor under this Section shall include the furnishing of all superintendence, overhead, labour, materials, equipment, tools, supplies and all things necessary for and incidental to the satisfactory performance and completion of the Work as hereinafter specified.

REFERENCES

E15.3 Referenced Standard Details: SCD-105F See Appendix 'B'

MATERIALS

E15.4 Pressure Treated Timbers, Dimension Lumber: To CSA 080, ACQ-C treatment, Green colour, NLGA no. 2 and better. Pine. All wood to be free of defects, any warped, checked or bent materials will be rejected.

E15.5 Hardware: to CAD/CSA-G164, for exterior work and acceptable for ACQ treated lumber. All hardware to be hot dipped galvanized, size and type to suit application.

CONSTRUCTION METHODS

E15.6 Handling and use of treated timber

- (a) Handle and use treated material in a manner that will avoid damage or field fabrication causing alteration in original treatment.
- (b) Treat in field, cuts and damages to surface of treated material with an appropriate, clear preservative as described in CSA 080. Ensure that damaged areas such as abrasions nail and spike holes, are thoroughly saturated with field treatment solutions as per CSA 080.

E15.7 All Work is to be located and installed in accordance with the Drawings.

E15.8 Contractor shall confirm proposed location of fencing with Contract Administrator prior to fabrication.

E15.9 Contractor to verify underground utility locations prior construction and report any discrepancies to the Contract Administrator immediately.

E15.10 All wood cuts shall be sanded to remove any burrs.

E15.11 Treat surfaces of material with wood preservative before installation.

E15.12 Apply preservative by dipping, or by brush to completely saturate and maintain wet film on surface for minimum 3-minute soak into lumber.

- E15.13 Re-treat surfaces exposed by cutting, trimming or boring with liberal brush application of preservative before installation.
- E15.14 Treat material as follows:
- (a) Ends of all fence posts that have been cut.
  - (b) Ends of wood rails that have been cut.
- E15.15 Do all fastening neatly, evenly, and thoroughly. Lag bolts shall be countersunk so as not to protrude above the face of the wood surface.
- E15.16 Install all members true to line, levels, and elevations. Set plumb and space uniformly.
- E15.17 Build work square, true and accurate to required height, length, and depth with joints closely fitted and properly secured.
- E15.18 Use timbers of the longest possible length to minimize joints.

#### MEASUREMENT AND PAYMENT

- E15.19 Supply and installation of Timber Fencing will be measured on a length basis and paid for at the Contract Unit Price per metre for "Supply and Installation of Timber Fencing". The length to be paid for will be the total number of metres of Timber Fencing supplied and installed in accordance with this specification, accepted and measured by the Contract Administrator.

### **E16. WORK NEAR OVERHEAD MANITOBA HYDRO POWER LINES**

#### DESCRIPTION

- E16.1 This Specification shall cover all operations relating to the supply of labour, equipment, tools, and material necessary for working near the Manitoba Hydro power lines.
- E16.1.1 The Work to be done by the Contractor under this Specification shall include the furnishing of all superintendence, overhead, labour, materials, equipment, tools, supplies, and all things necessary for and incidental to the satisfactory performance and completion of all works as hereinafter specified.

#### CONSTRUCTION METHODS

- E16.2 General
- (a) Further to CW1120, the Contractor is advised that there is a Manitoba Hydro overhead power line for the entire length of the Site that will affect construction works. These overhead cables must remain live at all times.
- E16.2.1 Safety Watch
- (a) The Contractor is advised that, without a Manitoba Hydro Safety Watch on site requiring placement of a rubber blanket over the energized cable, you are not allowed to have equipment or non-Manitoba Hydro workers any closer than 3.0 meters of the nearest energized cable. The Contractor's equipment operating slowly and controlled and workers may come as close as 1.0 meters to the non-energized cables, without a Safety Watch.
  - (b) With a Manitoba Hydro Safety Watch in place, Manitoba Hydro will allow slow and controlled operation of equipment and non-Manitoba Hydro workers to come as close as 1.0 meters to these energized cables.
  - (c) Currents costs for Manitoba Hydro to provide a Safety Watch are \$88.00 per hour for a person with a bucket truck to blanket the cables and observe the work during weekdays could be \$176.00 per hour and \$261.00 per hour on weekends. Three hours minimum after normal working hours.

E16.3 Costs associated with Manitoba Hydro to provide a Safety Watch shall be borne by the Contractor. This Work will not be measured or separately paid for. This Work will be considered incidental to the Contract.

**E17. SUPPLY AND INSTALL LIFTER RING FOR MTS MANHOLE**

DESCRIPTION

E17.1 General

E17.1.1 This specification covers the supply and installation of MTS riser rings.

E17.2 Referenced Standard Construction Specifications

(a) CW 3210-R8

MATERIALS

E17.3 Approved Products

(a) Trojan Industries – TF-113-2”

MEASUREMENT AND PAYMENT

E17.4 MTS Riser Rings will be measured on a unit basis and paid for at the Contract Unit Price per unit as “Supply and Installation of MTS Riser Ring” in accordance with this specification and accepted by the Contract Administrator.

**E18. CONCRETE SIDEWALK GRINDING**

DESCRIPTION

E18.1 This specification covers all Works associated with concrete sidewalk grinding for the removal of vertical displacements at sidewalk transverse joints.

CONSTRUCTION METHODS

E18.2 The contractor shall grind smooth the concrete sidewalk with a vertical displacement greater than 6mm and less than 25mm and as directed by the Contract Administrator. Concrete shall be grinded down until flush with adjacent sidewalk at a minimum 1:10 slope and to the approval of the Contract Administrator. The finished surface shall be smooth, level and free of dents or obtrusions.

E18.3 All grinding operations shall be a dust free operation to the satisfaction of the Contract Administrator. All joints are to be cleaned of dust and/or slurry.

MEASUREMENT AND PAYMENT

E18.4 Concrete Sidewalk Grinding will be measured on a length basis and paid for at the Contract Unit Price per meter for “Concrete Sidewalk Grinding” as accepted and measured by the Contract Administrator.

**E19. SUPPLY AND INSTALL MOUNTABLE CURB AND GUTTER PAVING COVER**

DESCRIPTION

E19.1 This Specification shall supplement CW 2130.

CONSTRUCTION METHODS

- E19.2 Supply and install Mountable Curb Paving Covers in accordance with City of Winnipeg Standard Detail AP-017.

MEASUREMENT OF PAYMENT

- E19.3 Supply and installation of Mountable Curb Paving Covers shall be measured on a unit basis and paid for at the Contract Unit Price for "AP-017 – Mountable Curb and Gutter Paving Cover". The number to be paid for will be the total number of curb inlet frames adjusted in accordance with this specification, accepted and measured by the Contract Administrator.

**E20. INSTALLATION OF CITY OF WINNIPEG PROVIDED CURB AND GUTTER INLET RISERS**

DESCRIPTION

- E20.1 The Contractor shall be responsible for the installation of curb and gutter inlet (CGI) risers, which will be provided by the City of Winnipeg, to be picked up by the Contractor. Contractor is to contact Dave Hyra (204-794-4087) to arrange pickup from the City of Winnipeg.

MEASUREMENT AND PAYMENT

- E20.2 Installation of City of Winnipeg Provided CGI Risers shall be measured on a unit basis and paid for at the Contract Unit Price for "Installation of City of Winnipeg Supplied CGI Risers". The number to be paid for will be the total number of CGI Risers installed in accordance with this specification, accepted and measured by the Contract Administrator.

**E21. REMOVE AND DISPOSE EXISTING INTERLOCKING PAVING STONES**

DESCRIPTION

- E21.1 This specification shall supplement CW 3330-R5 and shall cover all operations related to the removal of existing interlocking paving stones.

CONSTRUCTION METHODS

- E21.2 Removal of existing interlocking paving stones shall include: removal of paving stones, base course and concrete stabilized fill material as required; disposal of all materials as approved by the Contract Administrator.

MEASUREMENT AND PAYMENT

- E21.3 Removal of existing interlocking paving stones will be measured on an area basis and paid for at the Contract Unit Price per square metre for "Removal of Existing Paving Stones". The area to be paid will be the total number of square metres removed in accordance with this specification, accepted and measured by the Contract Administrator.

**E22. REMOVAL OF EXISTING WOODEN BOLLARDS**

DESCRIPTION

- E22.1 Provide all labour, materials, methods, equipment and accessories for the Removal of Existing Wooden Post Bollards.

CONSTRUCTION METHODS

- E22.2 Review and confirm post bollard locations and orientation with Contract Administrator prior to removal.

MEASUREMENT AND PAYMENT

- E22.3 Basis of Payment shall be as follows:

- (a) Post Bollards will be measured on a unit basis and paid for at the Contract Unit Price per unit as "Remove Post Bollard" in accordance with this specification and accepted by the Contract Administrator.

### **E23. REMOVE AND DISPOSE OF PRECAST CONCRETE PARKING CURBS**

#### DESCRIPTION

- E23.1 Provide all labour, materials, equipment and accessories for the removal and disposal of existing Precast Concrete Parking Curbs.

#### CONSTRUCTION METHODS

- E23.2 Review and confirm which Precast Concrete Parking Curbs will need to be removed and disposed.

#### MEASUREMENT AND PAYMENT

- E23.3 Basis of Payment shall be as follows:
  - (a) Precast Concrete Parking Curbs will be measured on a unit basis and paid for at the Contract Unit Price per unit as "Remove and Dispose of Precast Concrete Parking Curbs" in accordance with this specification and accepted by the Contract Administrator.

### **E24. SALVAGE AND REINSTALLATION OF PRECAST CONCRETE PARKING CURBS**

#### DESCRIPTION

- E24.1 Provide all labour, materials, methods, equipment and accessories for salvage and reinstallation of Precast Concrete Parking Curbs.

#### CONSTRUCTION METHODS

- E24.2 Review and confirm which Precast Concrete Parking Curbs will need to be salvaged and reinstalled without damaging them. Any Precast Concrete Parking Curbs damaged, lost or stolen must be replaced by the Contractor at their own expense.

#### MEASUREMENT AND PAYMENT

- E24.3 Basis of payment shall be as follows:
  - (a) Precast Concrete Parking Curbs will be measured on a unit basic and paid for at the Contract Unit Price per unit as "Salvage and Reinstallation of Precast Concrete Parking Curbs" in accordance with this specification and accepted by the Contract Administrator.

### **E25. PAVEMENT REPAIR FABRIC PLACING**

#### DESCRIPTION

- E25.1 This specification shall supplement CW 3140-R1

#### CONSTRUCTION METHODS

- E25.2 The Contractor shall ensure the pavement repair fabric is placed on a clean and level surface. Any large cracking must be filled with asphalt and compacted to the approval of the CA.

#### MEASUREMENT AND PAY

- E25.3 There will be no additional payments for this Work. Filling of cracks and joints with asphalt shall be incidental with "Supply and Installation of Pavement Repair Fabric".

## **E26. SUPPLY AND INSTALLATION OF REMOVABLE STEEL BOLLARDS**

### DESCRIPTION

- E26.1 Provide all labour, materials, methods, equipment and accessories for the supply and installation of removable steel bollards.

### MATERIALS

- E26.2 The specific concrete requirements shall be:
- (a) Sulphate resistant, Type 50 Cement;
  - (b) 28 day compressive strength of 30 Mpa;
  - (c) Maximum aggregate size of 20 mm, nominal;
  - (d) Slump 80 +/- 20 mm;
  - (e) Maximum water/cement ratio 0.49.

### CONSTRUCTION METHODS

- E26.3 As per:
- (a) SCD-105C Removable Steel Bollard. See Appendix 'B'

### MEASUREMENT AND PAYMENT

- E26.4 Removable Steel Bollards will be measured on a unit basis and paid for at the Contract Unit Price per unit as "Install Removable Steel Bollards" in accordance with this specification and accepted by the Contract Administrator.

## **E27. REFUSE AND RECYCLING COLLECTION**

- E27.1 While access to refuse and/or recycling collection vehicles is restricted, on collection day(s) the Contractor shall move all of the affected property owners refuse and/or recycling materials to a nearby common area, prior to an established time, in accordance with E27.2 to permit the normal collection vehicles to collect the materials. Immediately following recycling collection, the Contractor shall return recycling receptacles to the addresses marked on the receptacles.

- E27.2 Collection Schedule:

#### **Ansell Court.**

*Collection Day(s):* **Wednesday**  
*Collection Time:* **7:00 am**  
*Common Collection Area:* **Collection StreetSide**

#### **Baden Court.**

*Collection Day(s):* **Wednesday**  
*Collection Time:* **7:00 am**  
*Common Collection Area:* **Collection StreetSide**

**Bell Avenue.**

*Collection Day(s):* **Monday**  
*Collection Time:* **7:00 am**  
*Common Collection Area:* **Collection StreetSide**

**Consulate Road.**

*Collection Day(s):* **Wednesday**  
*Collection Time:* **7:00 am**  
*Common Collection Area:* **Collection StreetSide**

**Deepwood Cove.**

*Collection Day(s):* **Wednesday**  
*Collection Time:* **7:00 am**  
*Common Collection Area:* **Collection StreetSide**

**Figaro Street.**

*Collection Day(s):* **Monday**  
*Collection Time:* **7:00 am**  
*Common Collection Area:* **Collection Back Lane**

**Foster Street.**

*Collection Day(s):* **Monday**  
*Collection Time:* **7:00 am**  
*Common Collection Area:* **Collection Back Lane**

**Furby Street.**

*Collection Day(s):* **Wednesday**  
*Collection Time:* **7:00 am**  
*Common Collection Area:* **Collection Back Lane**

**Greenwood Place.**

*Collection Day(s):* **Friday**  
*Collection Time:* **7:00 am**  
*Common Collection Area:* **Collection Back Lane**

**Herbert Avenue.**

*Collection Day(s):* **Monday**  
*Collection Time:* **7:00 am**  
*Common Collection Area:* **Collection StreetSide**



**Madrigal Close.**

*Collection Day(s):* **Wednesday**  
*Collection Time:* **7:00 am**  
*Common Collection Area:* **Collection StreetSide**

**Mandan Road.**

*Collection Day(s):* **Wednesday**  
*Collection Time:* **7:00 am**  
*Common Collection Area:* **Collection StreetSide**

**Maplegrove Road.**

*Collection Day(s):* **Wednesday**  
*Collection Time:* **7:00 am**  
*Common Collection Area:* **Collection StreetSide**

**Pritchard Avenue.**

*Collection Day(s):* **Wednesday**  
*Collection Time:* **7:00 am**  
*Common Collection Area:* **Collection Back Lane**

**Ross Avenue West.**

*Collection Day(s):* **Friday**  
*Collection Time:* **7:00 am**  
*Common Collection Area:* **Collection Back Lane**

**Samantha Place.**

*Collection Day(s):* **Wednesday**  
*Collection Time:* **7:00 am**  
*Common Collection Area:* **Collection StreetSide**

E27.3 No measurement or payment will be made for the Work associated with this specification.

## **APPENDIX 'A' - GEOTECHNICAL REPORT**

### **Pavement Cores For:**

Niakwa Trail from St. Anne's to Cottonwood Road – Asphalt Resurfacing and Asphalt Rehabilitation  
Niakwa Trail from Autumnwood Drive to Westmount Drive – Asphalt Mill and Fill

The geotechnical report is provided to aid in the Contractor's evaluation of the existing pavement structure and/or soil conditions. The information presented is considered accurate at the locations shown on the Drawings and at the time of drilling. However, variations in pavement structure and/or soil conditions may exist between test holes and fluctuations in groundwater levels can be expected seasonally and may occur as a result of construction activities. The nature and extent of variations may not become evident until construction commences.

## **APPENDIX 'B' – STANDARD DETAILS**

## **APPENDIX 'C' – TEMPORARY TRAFFIC CONTROL SIGNAGE DRAWINGS**