



THE CITY OF WINNIPEG

TENDER

TENDER NO. 13-2025

**2025 LOCAL STREET RENEWAL PROGRAM – ST DAVID ROAD AND VARIOUS
OTHER LOCATIONS**

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PART B - BIDDING PROCEDURES

B1. CONTRACT TITLE

B1.1 2025 Local Street Renewal Program – St David Road and Various Other Locations

B2. SUBMISSION DEADLINE

B2.1 The Submission Deadline is 12:00 noon Winnipeg time, March 27, 2025.

B2.2 The Contract Administrator or the Manager of Purchasing 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 D6.1.

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.

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 D6.

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.
- 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 D38. Any such costs shall be determined in accordance with D38.
- 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.

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, Purchasing 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 D8)

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, Purchasing 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 [Accessibility Training](#) 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 at [Form G1 Bid Bond & Agreement to Bond](#).
- 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.

- 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.
- 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.
- B18.3 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 D38 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.

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, Purchasing Division website at 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:

- (a) Concrete Pavement Rehabilitation and Associated Works
 - (i) Barrington Avenue from Pulberry Street to St Marys Road
 - (ii) St David Place from St David Road to St David Road
 - (iii) St David Road from Fermor Avenue to Havelock Avenue
 - (iv) Thorndale Avenue from St David Road to St Marys Road
- (b) Sidewalk Reconstruction and Associated Works
 - (i) Bronstone Boulevard from St Marys Road to West Fernwood Avenue
- (c) New Asphalt Pathway and Associated Works
 - (i) Carey Park from Kingston Row to Elm Park Road
 - (ii) Southdale Pathway from Lakewood Boulevard to Park Grove Drive
- (d) Asphalt Pavement Reconstruction and Associated Works
 - (i) Hastings Boulevard from Dunkirk Drive to West Limit

D3.2 The major components of the Work are as follows:

- (a) Concrete Pavement Rehabilitation and Associated Works
 - (i) Excavation (Barrington Avenue, St David Road, St David Place);
 - (ii) Removal of existing sidewalk (St David Road);
 - (iii) Placement and compaction of base-course material;
 - (iv) Construction of concrete sidewalk (Barrington Avenue, St David Road, St David Place);
 - (v) Renewal of existing sidewalks as required;
 - (vi) Regrading of existing sidewalk blocks as required;
 - (vii) Regrading of existing interlocking paving stones as required;
 - (viii) Installation of detectable warning surface tiles (Thorndale Avenue, St David Road);
 - (ix) Planing of existing asphalt and at intersections as required;
 - (x) Complete required sewer service and sewer repairs;
 - (xi) Abandon existing drainage inlets (St David Road);
 - (xii) Planing of existing integral barrier curb as required;
 - (xiii) Removal of existing pavement (Thorndale Avenue);
 - (xiv) Full depth concrete repairs of existing slabs and joints;
 - (xv) Adjustment of existing pavement and boulevard structures;
 - (xvi) Renewal of existing curb as required;

- (xvii) Renewal of existing curb ramp;
 - (xviii) Renewal of existing monolithic curb and sidewalk (Barrington Avenue, Thorndale Avenue);
 - (xix) Construction of new monolithic curb and sidewalk (St David Place);
 - (xx) Construction of curb ramp (St David Place, St David Road);
 - (xxi) Tree stump grinding;
 - (xxii) Tree removal (Barrington Avenue, St David Road);
 - (xxiii) Tree pruning (Barrington Avenue, St David Place, St David Road);
 - (xxiv) Boulevard restorations and sod;
 - (xxv) Placement of asphalt scratch, Type MS1
 - (xxvi) Installation of Pavement Repair Fabric; and
 - (xxvii) Placement of asphalt overlay Type MS1
- (b) Sidewalk Reconstruction and Associated Works
- (i) Removal of existing pavement;
 - (ii) Construction of 150mm concrete sidewalk (reinforced);
 - (iii) Renewal of existing sidewalk;
 - (iv) Construction of curb ramp;
 - (v) Regrading of existing sidewalk blocks as required;
 - (vi) Regrading of existing interlocking paving stones as required;
 - (vii) Renewal of existing curb ramps as required;
 - (viii) Renewal of existing curb as required;
 - (ix) Construction of modified barrier curb;
 - (x) Installation of detectable warning surface tiles;
 - (xi) Renewal of concrete bullnose;
 - (xii) Placement of asphalt pavement tie-ins; and
 - (xiii) Boulevard restoration and sod;
- (c) New Asphalt Pathway and Associated Works
- (i) Removal of existing concrete sidewalk;
 - (ii) Excavation;
 - (iii) Compaction of existing sub-grade;
 - (iv) Placement and compaction of sub-base material;
 - (v) Placement and compaction of base-course material;
 - (vi) Placement of Geotextile Fabric and Geogrid;
 - (vii) Removal and disposal of bench;
 - (viii) Construction of new accessible bench nodes;
 - (ix) Placement of asphalt pavement Type MS1;
 - (x) Installation of benches;
 - (xi) Renewal of existing sidewalks as required;
 - (xii) Renewal of existing curb ramps;
 - (xiii) Boulevard restoration and sod; and
 - (xiv) Adjustment of existing boulevard structures

- (d) Asphalt Pavement Reconstruction and Associated Works
 - (i) Complete required sewer service and sewer repairs;
 - (ii) Abandon existing catch basins and drainage inlets;
 - (iii) Removal of existing sidewalk;
 - (iv) Removal of existing curb;
 - (v) Tree stump grinding;
 - (vi) Construction of 100mm concrete monolithic curb and sidewalk;
 - (vii) Renewal of existing concrete sidewalk as required;
 - (viii) Installation of detectable warning surface tiles;
 - (ix) Removal of existing pavement;
 - (x) Excavation;
 - (xi) Compaction of existing sub-grade;
 - (xii) Placement of geotextile fabric and geogrid;
 - (xiii) Installation of catch basins and sewer service pipes;
 - (xiv) Installation of sub drains;
 - (xv) Placement and compaction of sub-base material (placed in two lifts);
 - (xvi) Placement and compaction of base-course material;
 - (xvii) Construction of 100mm by 200mm concrete curb for asphalt approach;
 - (xviii) Construction of 40mm lip curb (separate);
 - (xix) Construction of 150mm concrete pavement approach (reinforced);
 - (xx) Construction of barrier curb and reversed gutter for asphalt pavement, utilizing slip form paving equipment;
 - (xxi) Construction of modified barrier curb with reversed gutter for asphalt pavement;
 - (xxii) Construction of curb ramp for asphalt pavement;
 - (xxiii) Construction of 150mm concrete pavement (plain dowelled) for inlet isolations for asphalt pavement;
 - (xxiv) Construction of modified barrier curb;
 - (xxv) Renewal of existing curb as required;
 - (xxvi) Renewal of existing curb ramp as required;
 - (xxvii) Placement of asphalt pavement (Type MS2, 70mm thickness);
 - (xxviii) Placement of asphalt pavement (Type MS1, 50mm thickness);
 - (xxix) Construction of asphalt pavement approach (70mm thickness);
 - (xxx) Placement of asphalt pavement tie-ins;
 - (xxxi) Adjustment of existing pavement and boulevard structures; and
 - (xxxii) Boulevard restoration and 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. DEFINITIONS

D5.1 When used in this Tender:

- (a) “**Supply Chain Disruption**” means an inability by the Contractor to obtain goods or services from third parties necessary to perform the Work of the Contract within the schedule specified therein, despite the Contractor making all reasonable commercial efforts to procure same. Contractors are advised that increased costs do not, in and of themselves, amount to a Supply Chain Disruption;

D6. CONTRACT ADMINISTRATOR

D6.1 The Contract Administrator is:

Erik Hansen, C.E.T.
Technologist III
Public Works, Engineering
Telephone No. 204-918-4367
Email Address EHansen@winnipeg.ca

D6.2 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.

D7. CONTRACTOR'S SUPERVISOR

D7.1 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.

D7.2 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 D7.1 or an alternate can be contacted twenty-four (24) hours a day to respond to an emergency.

D8. ACCESSIBLE CUSTOMER SERVICE REQUIREMENTS

D8.1 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.

D8.1.1 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.

- D8.1.2 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.

D9. UNFAIR LABOUR PRACTICES

- D9.1 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.
- D9.2 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.
- D9.3 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.).
- D9.4 Failure to provide the evidence required under D9.3, may be determined to be an event of default in accordance with C18.
- D9.5 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.
- D9.5.1 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.
- D9.5.2 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 D9.5. The City may also hold back the amount of the Unfair Labour Practice Penalty from payment for any amount it owes the Contractor.
- D9.5.3 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.

D10. FURNISHING OF DOCUMENTS

D10.1 Upon award of the Contract, the Contractor will be provided with 'issued for construction' Contract Documents electronically, including Drawings in PDF format only.

D11. ADJUSTMENTS FOR CHANGES IN LAWS, TAXES, OR TARIFFS

D11.1 Further to C12.4 and subject to C6.13, the Contract Price shall be adjusted if any change in a law or tax imposed under the Excise Act, the Excise Tax Act, the Customs Act, the Customs Tariff, The Mining Tax Act (Manitoba), or The Retail Sales Tax Act (Manitoba), by an act of the Congress of the United States of America, or by Executive Order by the President of the United States under the International Emergency Economic Powers Act of the United States of America or similar legislation:

- (a) occurs after the Submission Deadline;
- (b) applies to Material; and
- (c) affects the cost of that Material to the Contractor.

D11.2 Further to C12.5, if a change referred to in C12.4 occurs, the Contract Price shall be increased or decreased by an amount equal to the amount that is established, by an examination of the relevant records of the Contractor, to be the increase or decrease in the cost incurred that is directly attributable to that change, and which the Contractor has proven to the Contract Administrator represents the minimum amount of increase necessary in order to obtain necessary Material or Plant. For the avoidance of doubt, the Contractor shall be required to provide satisfactory proof that it has investigated alternative options for obtaining equivalent Material or Plant and reducing or eliminating the increase in Contract Price, up to and including entering into purchase agreements with vendors located in other jurisdictions, in order for Contractor to be able to avail itself of the increase in Contract Price permitted

SUBMISSIONS

D12. AUTHORITY TO CARRY ON BUSINESS

D12.1 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.

D13. SAFE WORK PLAN

D13.1 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.

D13.2 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, Purchasing Division website at <http://www.winnipeg.ca/matmgt/safety/default.stm>

D13.3 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.

D14. INSURANCE

D14.1 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 of Winnipeg added as an additional insured, 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) if applicable, 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.

D14.2 Deductibles shall be borne by the Contractor.

D14.3 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.

D14.4 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.

D15. CONTRACT SECURITY

D15.1 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, [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 [Form H2 Labour and Material Bond](#), in an amount equal to fifty percent (50%) of the Contract Price.

D15.1.1 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 D15.1(b).

- D15.1.2 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.
- D15.1.3 Digital bonds passing the verification process will be treated as original and authentic.
- D15.2 The Contractor shall provide the Contract Administrator identified in D6 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.
- D15.3 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 D15.1(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.

D16. SUBCONTRACTOR LIST

- D16.1 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.

D17. DETAILED WORK SCHEDULE

- D17.1 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.
- D17.2 The detailed work schedule shall consist of the following:
- (a) a critical path method (C.P.M.) schedule for the Work;
 - (b) a Gantt chart for the Work based on the C.P.M. schedule; and
- all acceptable to the Contract Administrator.
- D17.3 Further to D17.2(b), 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.

D18. REQUIREMENTS FOR SITE ACCESSIBILITY PLAN

- D18.1 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.
- D18.2 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.
- D18.3 The Accessibility Plan may also include figures, sketches, or drawings to demonstrate the proposed plan.
- D18.4 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
- D18.5 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.
- D18.6 Any changes to the Accessibility Plan must be approved by the Contract Administrator.
- D18.7 Upon request from the Contract Administrator, the Contractor shall provide records demonstrating that the site has been maintained.
- D18.8 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

D19. COMMENCEMENT

- D19.1 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.
- D19.2 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 D12;
 - (ii) evidence of the workers compensation coverage specified in C6.15;
 - (iii) the twenty-four (24) hour emergency response phone number specified in D7.2.
 - (iv) the Safe Work Plan specified in D13;

- (v) evidence of the insurance specified in D14;
 - (vi) the contract security specified in D15;
 - (vii) the subcontractor list specified in D16;
 - (viii) the detailed work schedule specified in D17;
 - (ix) the Requirements for Site Accessibility Plan specified in D18; and
 - (x) the direct deposit application form specified in D33.
- (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.

D19.1 The Contractor shall commence the Work on the Site within seven (7) Working Days of receipt of the award letter.

D19.2 The City intends to award this Contract by May 16, 2025

D20. WORKING DAYS

D20.1 Further to C1.1(tt);

D20.1.1 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.

D20.1.2 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.

D20.1.3 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.

D20.1.4 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 staff is also required on Site.

D21. RESTRICTED WORK HOURS

D21.1 Further to 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.

D22. WORK BY OTHERS

D22.1 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.

D22.2 Work by others on or near the Site will include but not necessarily be limited to:

- (a) City of Winnipeg Geomatics Branch – various works on survey monuments;
- (b) City of Winnipeg Water and Waste – manhole inspections;
- (c) City of Winnipeg Forestry – tree inspections;
- (d) Manitoba Hydro Gas Division – lowering and/or rock wrapping of gas main and services;

- (e) City of Winnipeg Streets Maintenance – back lane concrete stabilization project – Thorndale and St David Road, expected completion by June 15th, 2025, weather permitting;
- (f) BELLMTS – casting adjustment of manhole (Thorndale Avenue)
- (g) Canada Postal Service – mailbox relocations and adjustments. (Barrington Avenue, St David Road)

D22.3 Further to D22.1 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 D22.2 or additional parties, in their construction schedule as per D17 and accommodate the necessary area on Site required for the Work by Others to complete the Work.

D23. SEQUENCE OF WORK

D23.1 Further to C6.1, the sequence of work shall comply with the following:

D23.1.1 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) streets 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.

D23.1.2 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.

D23.1.3 Placing the topsoil and finished grading of all boulevard and median areas shall be completed prior to commencing construction of asphaltic concrete overlays, including scratch courses.

D23.1.4 Immediately following the completion of asphaltic concrete works, the Contractor shall clean up the site and remove all plant, surplus material, waste and debris, other than that left behind by the city or other contractors.

D23.1.5 Construction activity on St David Place, St David Road and Thorndale shall not commence until construction of the back lane concrete stabilization treatment is complete. The Contract Administrator for this work is Michael Sawchuk at 204-794-4055 with Streets Maintenance and construction is expected to be completed by June 15th, 2025, weather permitting.

D23.1.6 All asphaltic concrete work shall be performed using a lane-at-a-time method (see E5.1 for minimum requirements of traffic lanes to be left open at various times).

D24. CRITICAL STAGES

D24.1 The Contractor shall achieve critical stages of the Work in accordance with the following requirements:

- (a) Hastings Boulevard - The Contractor shall not commence the Work on site before June 30, 2025, and shall complete all of the Work on site specified in D3 no later than September 1, 2025.

D24.2 When the Contractor considers the Work associated with Hastings Boulevard 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.

D24.3 The date on which the Hastings Boulevard Work has been accepted by the Contract Administrator as being completed to the requirements of the Contract is the date on which completion of Hastings Boulevard has been achieved.

D25. SUBSTANTIAL PERFORMANCE

D25.1 The Contractor shall achieve Substantial Performance within eighty-five (85) consecutive Working Days of the commencement of the Work as specified in D19.

D25.2 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.

D25.3 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.

D26. TOTAL PERFORMANCE

D26.1 The Contractor shall achieve Total Performance within ninety (90) consecutive Working Days of the commencement of the Work as specified in D19.

D26.2 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.

D26.3 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.

D27. LIQUIDATED DAMAGES

D27.1 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) Substantial Performance – three thousand five hundred dollars (\$4000.00);
- (b) Total Performance – one thousand dollars (\$1000.00); and
- (c) Critical Stage – Hastings Boulevard – three thousand dollars (\$2000).

D27.2 The amounts specified for liquidated damages in D27.1 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.

D27.3 The City may reduce any payment to the Contractor by the amount of any liquidated damages assessed.

D28. SUPPLY CHAIN DISRUPTION SCHEDULE DELAYS

D28.1 The City acknowledges that the schedule for this Contract may be impacted by the Supply Chain Disruption. Commencement and progress of the Work shall be performed by the Contractor with due consideration to the delivery requirements and schedule identified in the Contract, in close consultation with the Contract Administrator.

- D28.2 If the Contractor is delayed in the performance of the Work by reason of the Supply Chain Disruption, 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.
- D28.3 A minimum of seven (7) Calendar Days prior to the commencement of Work, the Contractor shall declare whether a Supply Chain Disruption will affect the start date. The Contractor shall provide sufficient evidence that the delay is directly related to ordering of Material or Goods, production and/or manufacturing schedules or availability of staff as appropriate s.
- D28.4 For any delay related to Supply Chain Disruption 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 D28.3. Failure to provide this notice will result in no additional time delays being considered by the City.
- D28.5 The Work schedule, including the durations identified in D21 to D26 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.
- D28.6 Where Work not previously identified is being carried over solely as a result of delays related to Supply Chain Disruption, 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 Supply Chain Disruption, a partial consideration of the cost of temporary works will be considered by the Contract Administrator.
- D28.7 Any time or cost implications as a result of Supply Chain Disruption and in accordance with the above, as confirmed by the Contract Administrator, shall be documented in accordance with C7.

D29. SCHEDULED MAINTENANCE

- D29.1 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; and
 - (b) Reflective crack maintenance as specified in CW 3250-R7.
- D29.2 Determination of Critical Stages, 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

D30. JOB MEETINGS

- D30.1 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.
- D30.2 The Contract Administrator reserves the right to cancel any job meeting or call additional job meetings whenever they deem it necessary.

D31. PRIME CONTRACTOR – THE WORKPLACE SAFETY AND HEALTH ACT (MANITOBA)

D31.1 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).

D32. THE WORKPLACE SAFETY AND HEALTH ACT (MANITOBA) – QUALIFICATIONS

D32.1 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

D33. PAYMENT

D33.1 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.

D34. FUEL PRICE ADJUSTMENT

D34.1 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.

D34.1.1 Eligible Work will be determined in accordance with D34.5.

D34.1.2 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.

D34.1.3 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.

D34.1.4 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.

D34.2 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.

D34.3 The fuel escalation or de-escalation adjustment will not be applied if the CFI is within $\pm 15\%$ of the BFI.

D34.4 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.

D34.5 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

D35. WARRANTY

D35.1 Notwithstanding C13.2, the warranty period shall begin on the date of Total Performance and shall expire one (1) year thereafter for pavement rehabilitation works and sidewalk rehabilitation works, and two (2) years thereafter for pavement reconstruction works, new pathway construction works and new sidewalk construction works unless extended pursuant to C13.2.1 or C13.2.2, in which case it shall expire when provided for thereunder.

D35.2 Notwithstanding C13.2 or D35.1, the Contract Administrator may permit the warranty period for a portion or portions of the Work to begin prior to the date of Total Performance if:

- (a) a portion of the Work cannot be completed because of unseasonable weather or other conditions reasonably beyond the control of the Contractor but that portion does not prevent the balance of the Work from being put to its intended use.

D35.2.1 In such case the date specified by the Contract Administrator for the warranty period to begin shall be substituted for the date specified in C13.2 for the warranty period to begin.

DISPUTE RESOLUTION

D36. DISPUTE RESOLUTION

D36.1 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 D36.

D36.2 The entire text of C21.4 is deleted, and amended to read: "Intentionally Deleted"

D36.3 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 Purchasing 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.

D36.4 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.
- D36.4.1 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.
- D36.4.2 As these negotiations are not an adjudicative hearing, neither party may have legal counsel present during the negotiations.
- D36.4.3 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.
- D36.4.4 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 D36.4.3, 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.

INDEMNITY

D37. INDEMNITY

- D37.1 Indemnity shall be as stated in C17.
- D37.2 Notwithstanding C17.1, the Contractor shall save harmless and indemnify the City in the amount of twice the Contract Price or five million dollars (\$5,000,000), whichever is greater, against all costs, damages or expenses arising from actions, claims, demands and proceedings, by whomsoever brought, made or taken as a result of negligent acts or negligent omissions of the Contractor, their Subcontractors, employees or agents in the performance or purported performance of the Work, and more particularly from:
- (a) accidental injury to or death of any person whether retained by or in the employ of the contractor or not, arising directly or indirectly by reason of the performance of the Work, or by reason of any trespass on or damage to property;
 - (b) damage to any property owned in whole or in part by the City, or which the City by duty or custom is obliged, directly or indirectly, in any way or to any degree, to construct, repair or maintain;
 - (c) damage to, or trespass or encroachment upon, property owned by persons other than the City;
 - (d) any claim for lien or trust claim served upon the City pursuant to The Builders' Liens Act;
 - (e) failure to pay a Workers Compensation assessment, or Federal or Provincial taxes;
 - (f) unauthorized use of any design, device, material or process covered by letters patent, copyright, trademark or trade name in connection with the Work;
 - (g) inaccuracies in any information provided to the City by the Contractor.
- D37.3 Further to C17, The City shall save harmless and indemnify the Contractor in the amount of twice the Contract Price or five million dollars (\$5,000,000), whichever is greater, against all costs, damages or expenses arising from actions, claims, demands and proceedings, by whomsoever brought, made or taken as a result of negligent acts or negligent omissions of the City, their employees or agents in the performance of its obligation under the Contract.

THIRD PARTY AGREEMENTS

D38. FUNDING AND/OR CONTRIBUTION AGREEMENT OBLIGATIONS

- D38.1 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.
- D38.2 Further to D38.1, in the event that the obligations in D38 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.
- D38.3 For the purposes of D38:
- (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.
- D38.4 Modified Insurance Requirements
- D38.4.1 If not already required under the insurance requirements identified in D14, 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.
- D38.4.2 If not already required under the insurance requirements identified in D14, 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.
- D38.4.3 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.
- D38.4.4 Further to D14.3, 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.
- D38.4.5 All policies must be taken out with insurers licensed to carry on business in the Province of Manitoba.
- D38.5 Indemnification By Contractor
- D38.5.1 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.

- D38.5.2 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.

D38.6 Records Retention and Audits

D38.6.1 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.

D38.6.2 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 D38.6.1 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.

D38.7 Other Obligations

D38.7.1 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.

D38.7.2 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.

D38.7.3 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.

D38.7.4 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.

D38.7.5 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.

D38.7.6 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 J: SUBCONTRACTOR LIST
(See D16)

2025 LOCAL STREET RENEWAL PROGRAM – ST DAVID ROAD AND VARIOUS OTHER LOCATIONS

<u>Portion of the Work</u>	<u>Name</u>	<u>Address</u>
SURFACE WORKS:		
<u>Supply of Materials:</u>		
Geotextile Fabric		
Geogrid		
Sub-Base Material		
Base Course Material		
Concrete		
Asphalt		
Pavement Repair Fabric		
Topsoil and Sod		
Detectable Warning Surface Tiles		
Park Bench		
Joint Sealant		
<u>Installation and Placement:</u>		
Geotextile Fabric		
Geogrid		
Sub-base Material		
Base Course Material		
Concrete		
Asphalt		
Pavement Repair Fabric		
Topsoil and Sod		
Joint Sealant		
Detectable Warning Surface Tiles		
Park Bench		
UNDERGROUND WORKS:		

FORM J: SUBCONTRACTOR LIST
(See D16)

2025 LOCAL STREET RENEWAL PROGRAM – ST DAVID ROAD AND VARIOUS OTHER LOCATIONS

<u>Portion of the Work</u>	<u>Name</u>	<u>Address</u>
Supply of Materials:		
Pre-Cast Concrete Catch Basin, Catch Pit, Risers, and Flat Top Reducers		
Sewer Service Pipe/ Drainage Connection Pipe		
Catch Basin/Manhole Frames, Covers, and Lifter Rings		
Watermain Valve/Service Boxes and Extensions		
Curb Stop Extensions		
Installation and Placement:		
Pre-Cast Concrete Catch Basin, Catch Pit, Risers, and Flat Top Reducers		
Sewer Service Pipe/ Drainage Connection Pipe		
Catch Basin/Manhole Frames, Covers, and Lifter Rings		
Watermain Valve/Service Boxes and Extensions		
Curb Stop Extensions		

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, Purchasing 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	A1
SE-25-500	Barrington Avenue from Pulberry Street to St Marys Road – Sta 1+00 to 1+95	
SE-25-501	Barrington Avenue from Pulberry Street to St Marys Road – Sta 1+95 to 3+25	A1
SE-25-502	Barrington Avenue from Pulberry Street to St Marys Road – Sta 3+25 to 4+40	A1
SE-25-503	Barrington Avenue from Pulberry Street to St Marys Road – Sta 4+40 to 5+65	A1
SE-25-504	Barrington Avenue from Pulberry Street to St Marys Road – Sta 5+65 to 6+80	A1
SE-25-505	Barrington Avenue from Pulberry Street to St Marys Road – Sta 6+80 to 7+97	A1
SE-25-506	Bronstone Boulevard from St Marys Road to West Fernwood Avenue – Sta 1+00 to 3+40	A1
SE-25-507	Bronstone Boulevard from St Marys Road to West Fernwood Avenue – Sta 3+40 to 4+86	A1
SE-25-508	Carey Park from Kingston Row to Elm Park Road – 1+00 to 2+20	A1

<u>Drawing No.</u>	<u>Drawing Name/Title</u>	<u>Drawing (Original) Sheet Size</u>
SE-25-509	Hastings Boulevard from Dunkirk Drive to West Limit – 1+00 to 1+70.28	A1
SE-25-510	Southdale Pathway from Lakewood Boulevard to Park Grove Drive– 1+00 to 3+40	A1
SE-25-511	Southdale Pathway from Lakewood Boulevard to Park Grove Drive – 3+40 to 5+83	A1
SE-25-512	St David Place from St David Road to St David Road – 1+00 to 1+90	A1
SE-25-513	St David Place from St David Road to St David Road – 1+90 to 2+50	A1
SE-25-514	St David Road from Fermor Avenue to Havelock Avenue – 1+00 to 2+10	A1
SE-25-515	St David Road from Fermor Avenue to Havelock Avenue – 2+10 to 3+30	A1
SE-25-516	St David Road from Fermor Avenue to Havelock Avenue – 3+30 to 4+60	A1
SE-25-517	St David Road from Fermor Avenue to Havelock Avenue – 4+60 to 5+80	A1
SE-25-518	St David Road from Fermor Avenue to Havelock Avenue – 5+80 to 7+00	A1
SE-25-519	St David Road from Fermor Avenue to Havelock Avenue – 7+00 to 8+15	A1
SE-25-520	St David Road from Fermor Avenue to Havelock Avenue – 8+15 to 8+60	A1
SE-25-521	Thorndale Avenue from St David Road to St Marys Road – 1+00 to 1+60	A1
SE-25-522	Thorndale Avenue from St David Road to St Marys Road – 1+60 to 2+60	A1
SE-25-523	Thorndale Avenue from St David Road to St Marys Road – 2+60 to 3+80	A1
SE-25-524	Thorndale Avenue from St David Road to St Marys Road – 3+80 to 4+90	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;
 - (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 D18 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

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 E4.1(c) and E4.1(e), Elm trees shall not be pruned at any time between April 1 and July 31.

E4.5 3/4" Plywood sheeting is required to be placed when crossing or driving on the boulevard as approved by the Contract Administrator.

E5. TRAFFIC CONTROL

E5.1 Further to 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.
- (e) The Temporary Traffic Control Signage Drawings are contained in Appendix B

E5.2 Upon request from the Contract Administrator, the Contractor shall provide records demonstrating that the site has been maintained.

E5.3 Further to E5.1(c) and E5.1(d) the Contract Administrator 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 bear all costs associated with the replacement of the regulatory signs and materials associated with them that are damaged, lost, or stolen, and are deemed avoidable by the Contract Administrator.

E5.4 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.

E5.5 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.

E6. TRAFFIC MANAGEMENT

E6.1 Further to 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 Further to 3.7 of CW 1130:

E6.1.1 The Contractor shall schedule construction activities to meet the following:

- (a) Barrington Avenue from Pulberry Street to St Marys Road:
 - (i) Maintain one lane of one-way traffic (Westbound/Southbound) during Eastbound construction;
 - (ii) Maintain one lane of one-way traffic (Eastbound/Northbound) during Westbound construction;
 - (iii) Private approach access shall be maintained at all times.

- (b) Bronstone Boulevard from St Marys Road to West Fernwood Avenue (Sidewalk Both Sides):
 - (i) A minimum of one lane for local access traffic and one sidewalk for local pedestrian access shall be maintained along this street during construction;
 - (ii) Intersecting streets, private/commercial approaches at back lane access shall be maintained at all times.
- (c) Carey Park from Kingston Row to Elm Park Road:
 - (i) Sidewalk closed signage shall be placed at Elm Park Road and Kingston row;
 - (ii) All lanes of Elm Park Road and Kingston Row shall be maintained at all times;
 - (iii) Intersecting streets, back lanes, and private approach access shall be maintained at all times.
- (d) Hastings Boulevard from Dunkirk Drive to West Limit:
 - (i) Closed to all traffic. The Contractor shall sign the street "Road Closed – No Exit" in accordance with the Manual of Temporary Traffic Control;
 - (ii) Intersecting streets shall be maintained at all times.
- (e) Southdale Pathway from Lakewood Boulevard to Park Grove Drive:
 - (i) Sidewalk closed signage shall be placed at Lakewood Boulevard, Park Grove Drive, Cormorant Bay and Sweetwater Bay.
 - (ii) A minimum of one lane for local access traffic shall be maintained along Lakewood Boulevard and Park Grove Drive during construction;
 - (iii) Intersecting streets, back lanes, and private approach access shall be maintained at all times.
- (f) St David Place from St David Road to St David Road:
 - (i) Maintain one lane of one-way traffic (outer lane) during inner lane construction;
 - (ii) Maintain one lane of one-way traffic (inner lane) during outer lane construction;
 - (iii) Intersecting streets, back lanes, and private approach access shall be maintained at all times.
- (g) St David Road from Fermor Avenue to Havelock Avenue:
 - (i) Maintain one lane of one-way traffic (Northbound/Westbound) during Southbound/Eastbound construction;
 - (ii) Maintain one lane of one-way traffic (Southbound/Eastbound) during Northbound/Westbound construction;
 - (iii) Intersecting streets, back lanes, and private approach access shall be maintained at all times.
- (h) Thorndale Avenue from St David Road to St Marys Road:
 - (i) Maintain one lane of one-way traffic (Northbound/Eastbound) during Southbound/Westbound construction;
 - (ii) Maintain one lane of one-way traffic (Southbound/Westbound) during Northbound/Eastbound construction;
 - (iii) Intersecting streets, back lanes, and private approach access shall be maintained at all times.

E6.1.2 The Temporary Traffic Control Signage Drawings are contained in Appendix 'B'.

E6.1.3 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.

E6.1.4 Pedestrian and ambulance/emergency vehicle access must be maintained at all times.

E6.1.5 Flag persons may be necessary to maintain the flow of traffic during certain work operations. No additional payment will be made for the use of flag persons.

E7. REFUSE AND RECYCLING COLLECTION

E7.1 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 E7.2 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.

E7.2 Collection Schedule:

Barrington Boulevard From Dunkirk Drive to West Limit

Collection Day(s): **Tuesday**

Collection Time: **7:00 am**

Common Collection Area: **Collection front street, maintain access to accommodate or Contractors to move Refuse/Recycling/Yard Waste to common collection point.**

Bronstone Boulevard from St Marys to West Fernwood Avenue

Collection Day(s): **Wednesday**

Collection Time: **7:00 am**

Common Collection Area: **Collection at back lane. Need to allow access to intersecting back lanes.**

Hastings Boulevard from Dunkirk Drive to West Limit.

Collection Day(s): **Friday**

Collection Time: **7:00 am**

Common Collection Area: **Collection front street. Contractor to move Refuse/Recycling to North East Corner of Hastings Boulevard at Dunkirk Drive**

St David Place from St David Road to St David Road.

Collection Day(s): **Tuesday**

Collection Time: **7:00 am**

Common Collection Area: **Collection at back lane. Need to allow access to intersecting back lanes.**

St David Road from Fermor Avenue to Havelock Avenue.

Collection Day(s): **Tuesday**

Collection Time: **7:00 am**

Common Collection Area: **Collection at back lane. Need to allow access to intersecting back lanes.**

Thorndale Avenue from St David Road to St Marys Road.

Collection Day(s): **Tuesday**

Collection Time: **7:00 am**

Common Collection Area: **Collection at back lane. Need to allow access to intersecting back lanes.**

E7.3 No measurement or payment will be made for the work associated with this Specification.

E8. WATER OBTAINED FROM THE CITY

E8.1 Further to 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. SURFACE RESTORATIONS

E9.1 Further to 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. INFRASTRUCTURE SIGNS

E10.1 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

E11. SUPPLY AND INSTALL WATERMAIN AND WATER SERVICE INSULATION

DESCRIPTION

E11.1 Notwithstanding 3.12 of CW 2110, this Specification covers the supply and installation of insulation in roadway excavations over watermains and water services.

E11.2 Referenced Standard Construction Specifications

(a) CW 2030 – Excavation Bedding and Backfill

(b) CW 3110 – Sub –grade, Sub-base and Base Course Construction

E11.3 Referenced Standard Details

(a) SD-018 - Watermain and Water Service Insulation

MATERIALS

E11.4 Acceptable insulation is:

(a) Extruded Polystyrene rigid foam insulation – Type 4, 4" in thickness.

DOW - Roofmate or Highload 40

Owen's Corning - Foamular 350 or Foamular 400.

2" X 48" X 96", 2" X 24" X 96", 4" X 24" X 96"

E11.5 Sand Bedding:

(a) In accordance with CW 2030

CONSTRUCTION METHODS

E11.6 Prior to the installation of any sub-base material or geotextile material, locate all existing water services. Further to SD-018, where directed by the Contract Administrator, excavate the sub-grade to allow the top of the insulation to be installed flush with the surrounding sub-grade.

Install the insulation on a level surface centered over the located watermain or water service for the full width of the roadway excavation. Install sand bedding if required to level the surface. Stockpile and dispose of excavated material in accordance with CW 3110.

- E11.7 Thickness of insulation is 100 mm (4"). If using 50 mm (2") panels 2 layers are required. Total width of insulation to be as directed by the Contract Administrator. Place sufficient full width panels to meet or exceed the specified width.
- E11.8 Place insulation panels adjacent to each other over the specified area with no gaps between panels and less than 15mm of elevation difference along the adjoining edges. Where 2" thick panels are being used, offset the top layer to prevent the panel joints from aligning with the joints in the lower layer.
- E11.9 Use full panels of insulation where possible. Where necessary cut insulation panels to obtain coverage to specified lengths. Insulation pieces shall be a minimum of dimension of 300 mm in width or length.
- E11.10 Take appropriate measures to ensure panels are not displaced when installing geotextiles and during backfilling operations.

MEASUREMENT AND PAYMENT

- E11.11 Watermain and Water Service Insulation shall be measured on an area basis and paid for at the Contract Unit Price per square metre of "Watermain and Water Service Insulation". The area to be paid for shall be the total square meters of watermain and water service insulation supplied and installed in accordance with this Specification, accepted and measured by the Contract Administrator.
 - (a) Excavation of the roadway subgrade in accordance with E11.6 will not be measured for payment and will be included in the payment for "Watermain and Water Service Insulation".

E12. SOFT EXCAVATION TO EXPOSE UNDERGROUND UTILITIES

DESCRIPTION

- E12.1 This Specification covers the soft excavation to expose underground utilities to determine the depth of the underground utility and whether it will interfere with installation of proposed Works on site.
- E12.2 These underground utilities include, but are not limited to, City of Winnipeg Traffic Signal cables, Manitoba Hydro cables, Manitoba Hydro gas pipes, MTS cables, existing sewers, and existing watermains.

MATERIALS

- E12.3 Backfill Material
 - (a) Backfill material for backfill of shafts after hydro-excavation has been completed shall consist of sand in accordance with Specification CW 2030.

CONSTRUCTION METHODS

- E12.4 Prior to commencement of any construction Works adjacent to underground utilities, the Contractor shall use soft digging or hand excavation to expose underground utilities.
- E12.5 Once the elevation of the top of pipe or duct has been determined the resulting excavation shall be backfilled with bedding sand to the elevation of existing ground.

MEASUREMENT AND PAYMENT

- E12.6 Soft excavation to expose underground utilities will be considered incidental to the Work. No measurement and payment will be made within this section.

E13. CONSTRUCTION OF VARIOUS CURB TYPES FOR ASPHALT PAVEMENT

DESCRIPTION

E13.1 This Specification covers the construction of various curb types for asphalt pavements on Hastings Boulevard.

GENERAL

E13.2 Referenced Standard Construction Specifications and Standard Detail Drawings:

- (a) CW 3110 – Sub-grade, Sub-base and Base Course Construction
- (b) CW 3310 – Portland Cement Concrete Pavement Works
- (c) CW 3240 – Renewal of Existing Curbs
- (d) Standard Detail Drawings for Construction of Various Curb Types for Asphalt Pavement (Appendix 'E')
- (e) Standard Detail Drawing for Inlet Isolation for Asphalt Pavements (Appendix 'F')

CONSTRUCTION METHODS

E13.3 Further to CW 3310, the Contractor shall construct the various curb types for asphalt pavements as per Standard Detail Drawing contained in Appendix 'E'.

E13.4 Construction of Various Types of Curb for Asphalt Pavement – Standard Detail Drawing contained in Appendix 'E'

- E13.4.1 Place and compact sub-base material and base course material for roadway in accordance with the Standard Detail Drawing contained in Appendix 'E' and Specification CW 3110.
- E13.4.2 Construct Barrier Curb and Reversed Gutter for Asphalt Pavement (180mm reveal ht) in accordance with Standard Detail Drawing contained in Appendix 'E'.
- E13.4.3 Construct Modified Barrier Curb with Reversed Gutter for Asphalt Pavement (180mm reveal ht) in accordance with Standard Detail Drawing contained in Appendix 'E'.
- E13.4.4 Construct Curb Ramp for Asphalt Pavement (8-12mm reveal ht) at sidewalk ends in accordance with Standard Detail Drawing contained in Appendix 'E'.
- E13.4.5 Construct Concrete Lip Curb for Asphalt Pavement (75mm reveal ht, 20M vertical Tie Bar with 10M longitudinal Deformed Bar and 19.1mm Dowel) at approaches in accordance with Standard Detail Drawing contained in Appendix 'E'.
- E13.4.6 Place concrete utilizing slip-form paving equipment in accordance with Specification CW 3310 unless otherwise directed by the Contract Administrator.
- E13.4.7 Transverse joints will be saw cut every 3.0 meters. Transverse joints are to be saw cut to a maximum depth of 25mm.
- E13.4.8 Place and compact suitable site material as backfill behind barrier curb and reverse curb for asphalt pavement to allow for 100mm of topsoil and sod below top of barrier curb and reverse curb for asphalt pavement. Care must be taken so as to not disturb the new barrier curb and reverse curb for asphalt pavement during placing and compaction of suitable site material.
- E13.4.9 Construct Inlet Isolations for Asphalt Pavements in accordance with Standard Detail Drawing SD-220D (Appendix 'F').

MEASUREMENT AND PAYMENT

E13.5 Construction of barrier curb and reverse gutter for asphalt pavement shall be measured on a length basis and paid for at the Contract Unit Price per metre of "Construction of Barrier Curb and Reversed Gutter for Asphalt Pavement". The length to be paid for shall be the total number

of meters supplied and installed in accordance with this Specification, accepted and measured by the Contract Administrator.

- E13.6 Construction of modified barrier curb with reverse gutter for asphalt pavement shall be measured on a length basis and paid for at the Contract Unit Price per metre of "Construction of Modified Barrier Curb with Reversed Gutter for Asphalt Pavement". The length to be paid for shall be the total number of meters supplied and installed in accordance with this Specification, accepted and measured by the Contract Administrator.
- E13.7 Construction of curb ramp for asphalt pavement shall be measured on a length basis and paid for at the Contract Unit Price per metre of "Construction of Curb Ramp for Asphalt Pavement". The length to be paid for shall be the total number of meters supplied and installed in accordance with this Specification, accepted and measured by the Contract Administrator.
- E13.8 Supply and placement of suitable site material for backfill to be paid for as per payment item "Placing Suitable Site Material".
- E13.9 Construction of manhole and inlet isolations for asphalt pavements shall be measured and paid for at the Contract Unit Price per square meter of "Construction of 150mm Type 1 Concrete Pavement". The area to be paid for shall be the total number of square meters supplied and installed in accordance with this Specification, accepted and measured by the Contract Administrator.
- E13.10 Supply and placement of pavement repair fabric for inlets and manhole isolations for asphalt pavements in accordance with E13.9 will not be measured for payment and will be included in the payment for "Construction of 150mm Type 1 Concrete Pavement".

E14. TREE AND SHRUB REMOVAL

DESCRIPTON

- E14.1 Provide all labour, materials, methods, equipment and accessories for the removal of trees or shrubs.
- E14.2 Tree and shrub removal is to include the removal and disposal of trees or shrubs and associated root masses, as shown in the drawings or as directed by the Contract Administrator.

CONSTRUCTION METHODS

- E14.3 To be performed as per Specification CW 3010.

MEASUREMENT AND PAYMENT

- E14.4 Tree removal will be paid for at the Contract Unit Price per unit for the "Items of Work" listed here below, measured as specified herein, 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.

Items of Work:

Tree Removal

- (i) 300 mm Diameter or Less
- (ii) Greater than 300 mm Diameter

- E14.5 Shrub removal will be paid for at the Contract Unit Price per square meter for "Shrub Removal", measured as specified herein, 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.

E15. EXISTING MANHOLE REPAIRS

- E15.1 Patching existing manholes will be constructed in accordance with CW 2130.
- E15.2 Re-pointing brickwork of existing manholes will be constructed in accordance with CW 2130.
- E15.3 Patching around the perimeter of connecting sewer pipes at the manhole interface will be measured on a unit basis and paid for at the Contract Unit Price for "Patching of Pipe/MH Interface".
- E15.4 Removal and Reinstallation of benching in an existing manhole will be measured on a unit basis and paid for at the Contract Unit Price for "Remove and Replace Benching of Existing Manhole".

E16. ASPHALT PATCHING OF EXISTING CONCRETE PAVEMENT JOINTS

DESCRIPTION

- E16.1 General
 - E16.1.1 This Specification covers asphalt patching of existing concrete pavement joints in preparation for an asphalt overlay.
 - E16.1.2 Referenced Standard Construction Specifications:
 - (a) Special Provision – Asphalt Pavement Works. See Appendix 'C'
 - (b) CW1130 – Site Requirements

MATERIALS

- E16.2 Asphalt Material
 - E16.2.1 Asphalt material will be Type MS1 and will be supplied in accordance with Sections 3 and 4 of Appendix 'C' – Asphalt Pavement Works.
- E16.3 Tack Coat
 - E16.3.1 Tack coat will be supplied in accordance with Section 2.5.2 of Appendix 'C' – Asphalt Pavement Works.

CONSTRUCTION METHODS

- E16.4 General
 - E16.4.1 Remove mud, loose material, and debris at locations directed by the Contract Administrator. The cleaning operation shall be done with a mechanical street sweeper.
 - E16.4.2 Dispose of material in accordance with Section 3.4 of CW1130.
 - E16.4.3 The Contract Administrator shall approve the cleaned locations before application of tack coat.
 - E16.4.4 Apply tack coat in accordance with Section 6.3.3 of Appendix 'C' – Asphalt Pavement Works.
 - E16.4.5 Place Type MS1 asphalt material in accordance with Section 6.4.1 of Appendix 'C' – Asphalt Pavement Works. Patch holes and depressions as directed by the Contract Administrator and compact these areas with a steel wheel roller. The finished elevation of patches shall be flush with the surrounding pavement surface.
 - E16.4.6 The asphalt patches must be levelled and approved by the Contract Administrator before the succeeding asphalt overlay layer may be placed.

MEASUREMENT AND PAYMENT

- E16.5 Asphalt patching of existing concrete pavement joints will be measured on an area basis and paid for at the Contract Unit Price per square metre for "Asphalt Patching of Existing Concrete Pavement Joints". The area to be paid for will be the total number of square metres of joints patched in accordance with this Specification, accepted and measured by the Contract Administrator.

E17. TREE STUMP GRINDING

DESCRIPTION

- E17.1 This Specification shall cover the grinding of existing tree stumps as directed by the Contract Administrator. The Work to be done under this Specification shall include the furnishing of all superintendence, overhead, labour, materials, equipment, tools, supplies, and all things necessary and incidental to the satisfactory performance and completion of all Work as specified. This Specification supplements CW 3010.

CONSTRUCTION METHODS

- E17.2 The Contractor shall grind tree stumps identified by the Contract Administrator.
- E17.3 The Contractor shall grind tree stumps to a minimum depth of 300mm below the finished grade of the concrete sidewalk or boulevard. Finished grade shall be determined by the Contract Administrator.
- E17.4 The Contractor shall remove and/or dispose of all material resulting from the Work immediately by removing to a landfill site.

MEASUREMENT AND PAYMENT

- E17.5 The grinding of tree stumps will be measured on a unit basis and paid for at the Contract Unit Price per tree stump for "Tree Stump Grinding". The number to be paid for will be the total number of trees stumps that are ground and disposed of in accordance with this Specification, accepted and measured by the Contract Administrator.

E18. PRUNING OF EXISTING TREES AND SHRUBS

DESCRIPTION

- E18.1 Provide all labour, materials, methods, equipment and accessories for pruning of existing trees and shrubs within the limit of Work.

QUALITY ASSURANCE

- E18.2 Pruning of trees and shrubs shall be provided by a person with a Manitoba Arborists Certificate with demonstrable experience sourcing and Work.
- E18.3 Contact the City of Winnipeg Forestry Branch at 204-986-2004 to arrange an on site meeting to review trees and shrubs to be pruned. Meeting to include the Contract Administrator.

PRUNING METHODOLOGY

- E18.4 Prune horizontal and vertical within the limits of construction to ensure construction equipment can be operated without interfering with trees and shrubs to remain.
- E18.5 Prune as required to remove dead, broken or damaged limbs.
- E18.6 Prune back to healthy growth while maintaining balanced crown shape.
- E18.7 Employ clean sharp tools.

- E18.8 Make cuts smooth and flush with outer edge of branch collar near the main stem or branch.
- E18.9 Cuts must be smooth and sloping to prevent accumulation of water on cut.
- E18.10 Do not leave little stumps (“horns”) on trunks or main branches.
- E18.11 Prune according to accepted horticultural practices as outline in “The Pruning Manual”, Publication No. 1505-1977 by Agriculture Canada.

MEASUREMENT AND PAYMENT

- E18.12 No payment shall be made for pruning of existing trees and shrubs. Pruning of existing trees and shrubs shall be considered incidental to the Work.

E19. HAULING AND PLACEMENT OF 50MM GRANULAR B RECYCLED CONCRETE AGGREGATE

DESCRIPTION

- E19.1 General
- E19.1.1 This Specification covers the hauling from a designated supplier and installation of 50 mm Granular B Recycled Concrete Aggregate.
- E19.1.2 Referenced Standard Construction Specifications:
 - (a) CW 3110 – Sub-Grade, Sub-Base and Base Course Construction

MATERIALS

- E19.2 Materials will be provided to the Contractor in accordance with Tender 103-2025. Tender 103-2025 is expected to be award by May 1, 2025. Contact information and address will be provided once the award process is complete.

HAULING OF MATERIAL

- E19.3 The Contractor shall obtain the 50 mm Granular B Recycled Concrete Aggregate from a stockpile location within the limits of the City of Winnipeg.
- E19.4 The Customer will place orders before 4:00 p.m. for each Business Day for the expected supply requirements for the following Business Day.
- E19.5 The material will be available for pick up between the following hours:
 - (a) 0700 to 1800 from Monday to Friday
- E19.6 Further to E19.5, material will not be available for pick up on general holidays in Manitoba.
- E19.7 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.
- E19.8 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.
- E19.9 The supplier shall load the material into the Contractors truck/truck trailer and shall facilitate unloading when a truck has been overloaded.

CONSTRUCTION METHODS

- E19.10 Construction methods will be in accordance with CW 3110.

QUALITY ASSURANCE TESTING

- E19.11 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

- E19.12 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, placed and compacted in accordance with this Specification, accepted and measured by the Contract Administrator.
- E19.13 Items of Work:
(i) 50 mm Granular B Recycled Concrete
- E19.14 The weight to be paid for will be the total number of tonnes of sub-base material as measured on a certified weight scale.
- E19.15 Only material placed within the limits of excavation will be included in the payment for the "Items of Work listed for sub-base material".
- E19.16 No measurement or payment will be made for materials rejected by the Contract Administrator.

E20. ASPHALT PAVEMENT WORKS

- E20.1 See Appendix 'C'
- E20.2 Further to CW 3410-R12,
- E20.2.1 This Specification covers the requirements for the materials, equipment, and processes for proportioning and mixing hot mix asphalt (HMA) including warm mix asphalt (WMA), recycled mixes, and mixes for miscellaneous work in accordance with the Marshall and Superpave methods.
- E20.2.2 This Specification covers the preparation of hot/warm-mixed, hot/warm-laid, asphalt paving mixes for, and all placing operations relating to, the construction of asphalt pavements, overlays and other related pavement works.
- E20.2.3 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 the satisfactory performance and completion of all work as hereinafter specified.
- E20.2.4 Referenced Tender
- E20.2.5 Appendix 'C' – Asphalt Pavement Works

E21. APPENDIX 'D' – ASPHALT PAVEMENT WORKS SOFT EXCAVATION TO EXPOSE UNDERGROUND UTILITIES

DESCRIPTION

- E21.1 This Specification covers the soft excavation to expose underground utilities to determine the depth of the underground utility and whether it will interfere with installation of proposed Works on site.
- E21.2 These underground utilities include, but are not limited to, City of Winnipeg Traffic Signal cables, Manitoba Hydro cables, Manitoba Hydro gas pipes, MTS cables, existing sewers, existing watermains and feeder mains.

MATERIALS

E21.3 Backfill Material

- (a) Backfill material for backfill of shafts after hydro-excavation has been completed shall consist of sand in accordance with Specification CW 2030.

CONSTRUCTION METHODS

E21.4 Prior to commencement of any construction Works adjacent to underground utilities, the Contractor shall use soft digging or hand excavation to expose underground utilities.

E21.5 Once the elevation of the top of pipe or duct has been determined the resulting excavation shall be backfilled with bedding sand to the elevation of existing ground.

MEASUREMENT AND PAYMENT

E21.6 Soft excavation to expose underground utilities will be considered incidental to the Work. No measurement and payment will be made within this section.

E22. REMOVAL OF CURB INLETS

DESCRIPTION

E22.1 General

E22.1.1 This Specification covers the removal of any curb inlet frames and related connection pipe between curb inlet and existing catch basin or catch pit.

E22.1.2 The removal of curb inlets shall be included with concrete curb removal/renewal and/or pavement removal.

E22.2 Referenced Standard Construction Specifications

- (a) CW 3110 – Pavement Removal
- (b) CW 3240 – Concrete Curb Renewal

MEASUREMENT AND PAYMENT

E22.3 There will be no payment for this work. All work is to be incidental to CW 3110 - Concrete Curb Renewal and/or CW 3240 - Pavement Removal.

E23. PLANING OF INTEGRAL LIP CURB AND BARRIER CURB

DESCRIPTION

E23.1 General

E23.1.1 This Specification covers the Planing of Integral Lip Curb and Barrier Curb

E23.2 Referenced Standard Construction Specifications

- (a) CW 3240 – Renewal of Existing Curbs

CONSTRUCTION METHODS

E23.3 Planing of Integral Lip Curb

E23.3.1 Remove existing concrete lip curb by planing methods at the locations as shown on the Drawings or as directed by the Contract Administrator.

E23.3.2 Plane to within 5 millimetres of the top of the existing pavement or as directed by the Contract Administrator.

E23.3.3 Ensure the existing pavement surface is not damaged by the planing operation.

- E23.3.4 Utilize planing equipment in accordance with CW 3450.
- E23.3.5 Saw-cut existing curbs within 150 millimetres of the designated limits and remove by hand methods to the satisfaction of the Contract Administrator.
- E23.3.6 Dispose of planing material in accordance with Section 3.4 of CW 1130.
- E23.4 Planing of barrier curb
 - E23.4.1 Remove existing concrete Barrier curb by planing methods at the locations as shown on the Drawings or as directed by the Contract Administrator.
 - E23.4.2 Plane to within 5 millimetres of the top of the existing pavement or as directed by the Contract Administrator.
 - E23.4.3 Ensure the existing pavement surface is not damaged by the planing operation
 - E23.4.4 Utilize planing equipment in accordance with CW 3450.
 - E23.4.5 Saw-cut existing curbs within 150 millimetres of the designated limits and remove by hand methods to the satisfaction of the Contract Administrator.
 - E23.4.6 Dispose of planing material in accordance with Section 3.4 of CW 1130.

MEASUREMENT AND PAYMENT

- E23.5 Planing of Integral Lip Curb and Barrier Curb
 - E23.5.1 Concrete curb removal will be measured on a length basis and paid for at the Contract Unit Price per metre for the “Items of Work” listed here below. The length to be paid for will be the total number of metres of concrete curb removed in accordance with this Specification, accepted and measured by the Contract Administrator.

E24. INSTALLATION OF NEW CATCH PITS

DESCRIPTION

- E24.1 This Specification covers the Installation of New Catch Pits on Barrington Avenue and Hastings Boulevard.
 - E24.1.1 Referenced Standard Construction Specifications.
 - (a) CW 2130-R12 – Gravity Sewers

MATERIALS

- E24.2 Further to section 2.7 of CW 2130-R12;
 - E24.2.1 Pre-cast concrete reducer shall be a 900mm x 150mm with a 600mm square opening.

CONSTRUCTION METHODS

- E24.3 Further to section 3.8 of CW 2130-R12.
 - E24.3.1 The Contractor shall core the existing opening to a larger diameter as necessary to accommodate the corrugated steel pipe to be seated at least 50mm above invert bottom.
 - E24.3.2 The gap between the bottom of the corrugated steel pipe and the invert shall be filled with a grout material.

MEASUREMENT AND PAYMENT

- E24.4 Catch pit installation including hoods, fittings, frame and cover and other accessories and appurtenances will be measured for payment on a unit basis for each type and paid for at the Contract Unit Price for the Items of Work listed below. Number of units to be paid for will be the

total number of catch pits supplied, installed and removed where required in accordance with this Specification, accepted and measured by the Contract Administrator.

E25. SIDEWALK EXPANSION JOINTS

DESCRIPTION

- E25.1 Further to CW 3325 - R5, CW 3235-R9 and CW 3310-R19, this Specification covers the supply and installation of expansion joints to be constructed within concrete sidewalk.
- E25.2 Referenced Standard Details
- (a) SD-228AA Sidewalk Expansion Joints (Appendix 'G')

MATERIALS

- E25.3 Use only those materials listed as Approved Products for Surface Works. The Approved Products are available in Adobe Acrobat (.pdf) format at the City of Winnipeg, Corporate Finance, Material Management Internet site at:
https://legacy.winnipeg.ca/finance/findata/matmgt/std_const_spec/current/Docs/Approved_Product_Surface_Works.pdf
- E25.4 Expansion Joint Filler
- (a) Sidewalk expansion joints shall be a closed-cell expansion joint filler.
- E25.5 Reinforcing Steel
- (a) 300mm long 10M dowels. Dowel bars shall be plain round bars of grade 300 or better in accordance with CSA G40.21. Epoxy coating shall meet the requirements of ASTM Standard A934/A934M, Standard Specification for Epoxy-Coated Prefabricated Steel Reinforcing Bars.
- (b) The dowels shall be placed half depth of the sidewalk and aligned parallel to the centreline and surface of the slab with a maximum allowable tolerance of ± 5 mm. The dowels shall be positioned sufficiently rigid so the dowels are held in alignment within the specified tolerance, both horizontally and vertically, until the concrete placing and setting cycle is complete.
- (c) All areas of the dowel bar with damaged epoxy coating shall be cleaned and painted to the satisfaction of the Contract Administrator.
- (d) All dowels shall be thoroughly coated with a thin uniform coating of bond breaker or lubricant such as oil, grease, or synthetic materials to prevent bonding with the concrete for the length of the dowel. The bond breaker coating shall be smooth and free of voids.

CONSTRUCTION METHODS

- E25.6 Install sidewalk expansion joints as detailed in SD-228AA Sidewalk Expansion Joints.
- E25.7 Expansion joints shall be constructed and installed as indicated in the Contract Documents or directed by the Contract Administrator.
- E25.8 The fiber joint filler shall extend the full width and depth of the sidewalk. Any excess material shall be trimmed to match the surface of the concrete.
- E25.9 Dowels shall be placed at 0.45m O/C spacing. Three dowels shall be installed at each expansion joint no closer than 0.15m from edge of concrete. If dowels are displaced during concrete placing operations, concrete placement shall cease and shall not resume until the displaced dowels have been reset to the true design position.
- E25.10 Once dowels are in position, they shall be inspected and approved by the Contract Administrator before any concrete is placed. Otherwise the concrete will be rejected by the Contract Administrator and shall be removed by the Contractor at his own expense.

- E25.11 Expansion joints shall be installed every 15 meters when constructing new or renewing existing sidewalk. If sidewalk is constructed during cold weather concreting period, expansion joints shall be installed every 12 meters. Expansion joints shall not be installed when renewing less than 15m of sidewalk.
- E25.12 Where the Drawings call for a new slab to be tied into an existing slab along a transverse joint, the Contractor shall construct an expansion joint and install dowels into the existing slab in accordance with Clause 6.3.2., CW 3310. Following installation of dowels, the ends of the dowels that extend into the new area shall be completely coated with a thin uniform coating of approved bond breaker or lubricant.
- E25.13 When replacing heaved panels in an existing sidewalk, expansion joints shall be installed on both ends of the replaced panels.
- E25.14 Expansion joints shall not be installed when constructing monolithic curb and sidewalk.
- E25.15 Expansion joints shall be installed when installing separate concrete splash strip.

MEASUREMENT AND PAYMENT

- E25.16 No payment shall be made for supplying all materials and for performing all operations herein described and all other items incidental to the Work included in this Specification.

E26. SITE FURNISHINGS

DESCRIPTION

- E26.1 This Specification shall cover the removal of existing benches, salvage of existing benches and pick-up and installation of benches.
- E26.2 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

- E26.3 Referenced Standard Details:
- (a) SCD-121A Tache Bench Composite with Arms. (Appendix H)
 - (b) SCD-136A Accessible Bench Node. (Appendix H)

MATERIALS

- E26.4 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.
- E26.5 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

- E26.6 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.

- E26.7 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.
- E26.8 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.
- E26.9 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.
- E26.10 Concrete foundations shall be installed as per Drawings and SCD-121A.

MEASUREMENT AND PAYMENT

- E26.11 Method of Measurement shall be as follows:
- (a) Site Furniture will be measured on a p and existing concrete foundations as these items are incidental to the Work herein.

E27. BARRIER CURB AND ARCHED GUTTER INLET FRAME, BOX AND INLET COVER

DESCRIPTION

- E27.1 General
- E27.1.1 This Specification shall cover the replacement of Barrier Curb and Gutter Inlet Frame and Box (AP-011) and Inlet Cover (AP-012) with Barrier Curb and Arched Gutter Frame, Box and Inlet Cover on existing Catch Pits, Catch Basins and with Installation of New Catch Pit (SD-023) and New Catch Basin (SD-024).
- E27.2 Referenced Standard Construction Specifications
- (a) CW 3210 – Adjustment of Pavement and Boulevard Structures;
- (b) CW 2130 – Gravity Sewers; and
- (c) Barrier Curb and Arched Gutter Frame, Box and Inlet Cover (Appendix 'F' & 'I').

MATERIALS

- E27.3 Approved Products
- (a) D&L Foundry Inc. – TF-103-3F-A (frame)
- (b) D&L Foundry Inc. – TF103-SI (box)
- (c) D&L Foundry Inc. – TF-103-G-A (cover)

MEASUREMENT AND PAYMENT

- E27.4 Barrier curb and arched gutter inlet frames, boxes and inlet covers for catch basins and catch pits will be included in the price for Items if Work "Catch Basin" and "Catch Pit", as per Clause 4.4 of CW 2130.
- E27.5 Barrier curb and arched gutter inlet frames, boxes and inlet covers will be measured on a unit basis and paid for at the Contract Unit Price per unit for the "Barrier Curb and Arched Gutter Inlet Frame, Box and Inlet Cover". The number of units to be paid for will be the total number of each unit supplied and installed in accordance with this Specification, accepted and measured by the Contract Administrator.