



THE CITY OF WINNIPEG

REQUEST FOR PROPOSAL

RFP NO. 594-2018

AGATE PARK AND DURHAM PARK PLAYGROUND REDEVELOPMENT

Note to Proponents: Please be aware of revisions to B8.5 and B16.3

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PART B - BIDDING PROCEDURES

B1. CONTRACT TITLE

B1.1 AGATE PARK AND DURHAM PARK PLAYGROUND REDEVELOPMENT

B2. SUBMISSION DEADLINE

B2.1 The Submission Deadline is 12:00 noon Winnipeg time, July 9, 2018.

B2.2 Proposals determined by the Manager of Materials to have been received later than the Submission Deadline will not be accepted and will be returned upon request.

B2.3 The Contract Administrator or the Manager of Materials may extend the Submission Deadline by issuing an addendum at any time prior to the time and date specified in B2.1.

B3. SITE INVESTIGATION

B3.1 Further to C3.1, the Proponent may view the Site without making an appointment.

B4. ENQUIRIES

B4.1 All enquiries shall be directed to the Contract Administrator identified in D4.1.

B4.2 If the Proponent finds errors, discrepancies or omissions in the proposal, or is unsure of the meaning or intent of any provision therein, the Proponent shall promptly notify the Contract Administrator of the error, discrepancy or omission at least five (5) Business Days prior to the Submission Deadline.

B4.3 If the Proponent is unsure of the meaning or intent of any provision therein, the Proponent should request clarification as to the meaning or intent prior to the Submission Deadline.

B4.4 Responses to enquiries which, in the sole judgment of the Contract Administrator, require a correction to or a clarification of the Request for Proposal will be provided by the Contract Administrator to all Proponents by issuing an addendum.

B4.5 Responses to enquiries which, in the sole judgment of the Contract Administrator, do not require a correction to or a clarification of the Request for Proposal will be provided by the Contract Administrator only to the Proponent who made the enquiry.

B4.6 The Proponent 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.

B5. CONFIDENTIALITY

B5.1 Information provided to a Proponent by the City or acquired by a Proponent 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 Proponent before receipt hereof; or
- (b) becomes publicly known other than through the Proponent; or
- (c) is disclosed pursuant to the requirements of a governmental authority or judicial order.

B5.2 The Proponent shall not make any statement of fact or opinion regarding any aspect of the Bid Opportunity 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 Request for Proposal, 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 Bid Opportunities page at The City of Winnipeg, Corporate Finance, Materials Management Division website at <http://www.winnipeg.ca/matmgt/bidopp.asp>.
- B6.4 The Proponent is responsible for ensuring that he/she has received all addenda and is advised to check the Materials Management Division website for addenda regularly and shortly before the Submission Deadline, as may be amended by addendum.
- B6.5 The Proponent shall acknowledge receipt of each addendum in Paragraph 9 of Form A: Proposal. Failure to acknowledge receipt of an addendum may render a Proposal non-responsive.

B7. SUBSTITUTES

- B7.1 The Work is based on the Plant, Materials and methods specified in the Request for Proposal.
- 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 Proponent 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 his/her 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 Proponent 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 Proponents. The Proponent requesting and obtaining the approval of a substitute shall be responsible for disseminating information regarding the approval to any person or persons he/she wishes to inform.
- B7.7 If the Contract Administrator approves a substitute as an “approved equal”, any Proponent 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 Proponent bidding that approved alternative may base his/her 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 B21.
- 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. PROPOSAL SUBMISSION

- B8.1 The Proposal shall consist of the following components:
- (a) Form A: Proposal;
 - (b) Form B: Prices;
- B8.2 The Proposal should also consist of the following components:
- (a) Design Drawings in accordance with B11;
 - (b) Component Description, in accordance with B12;
- B8.3 Further to B8.1, all components of the Proposal shall be fully completed or provided in the order indicated, and submitted by the Proponent no later than the Submission Deadline, with all required entries made clearly and completely.
- B8.4 Further to B8.2, all components of the Proposal should be fully completed or provided in the order indicated, and submitted by the Proponent no later than the Submission Deadline, with all required entries made clearly and completely.
- B8.5 Proponents should submit one (1) unbound 8.5” x 11” original (marked “original”) including drawings and six (6) printed copies for sections identified in B8.1 (copies may be in any size format) and B8.2 (B8.2(a) copies to be 11” x 17” and B8.2(b) copies may be in any size format).
- B8.6 Proposal format, including type of binding, number of pages, size of pages and, font, etc., will not be regulated, except that the Proposal should contain a table of contents, page numbering and should be in the Sections identified above. Proponents are encouraged to use their creativity to submit a Proposal which provides the requested information for evaluation and other information which illustrates the strength of their team.
- B8.7 The Bid Submission may be submitted by mail, courier or personal delivery, or by facsimile transmission.
- B8.8 If the Bid Submission is submitted by mail, courier or personal delivery, it shall be enclosed and sealed in an envelope clearly marked with the Bid Opportunity number and the Proponent's name and address, and shall be submitted to:
- The City of Winnipeg
Corporate Finance Department
Materials Management Division
185 King Street, Main Floor
Winnipeg MB R3B 1J1
- B8.8.1 Samples or other components of the Bid Submission which cannot reasonably be enclosed in the envelope may be packaged separately, but shall be clearly marked with the Bid

Opportunity number, the Proponent's name and address, and an indication that the contents are part of the Proponent's Bid Submission.

- B8.9 If the Bid Submission is submitted by facsimile transmission, it shall be submitted to 204-949-1178.
- B8.9.1 The Proponent is advised that the City cannot take responsibility for the availability of the facsimile machine at any time.
- B8.10 Proponents are advised that inclusion of terms and conditions inconsistent with the Request for Proposal, will be evaluated in accordance with B21.1(a).
- B8.10.1 Bids submitted by internet electronic mail (e-mail) will not be accepted.

B9. PROPOSAL (SECTION A)

- B9.1 The Proponent shall complete Form A: Proposal, making all required entries.
- B9.2 Paragraph 2 of Form A: Proposal shall be completed in accordance with the following requirements:
- (a) if the Proponent is a sole proprietor carrying on business in his/her own name, his/her name shall be inserted;
 - (b) if the Proponent is a partnership, the full name of the partnership shall be inserted;
 - (c) if the Proponent is a corporation, the full name of the corporation shall be inserted;
 - (d) if the Proponent is carrying on business under a name other than his/her 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 Proposal 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: Proposal, the Proponent shall identify a contact person who is authorized to represent the Proponent for purposes of the Proposal.
- B9.4 Paragraph 12 of Form A: Proposal shall be signed in accordance with the following requirements:
- (a) if the Proponent is a sole proprietor carrying on business in his/her own name, it shall be signed by the Proponent;
 - (b) if the Proponent is a partnership, it shall be signed by the partner or partners who have authority to sign for the partnership;
 - (c) if the Proponent is a corporation, it shall be signed by its duly authorized officer or officers and the corporate seal, if the corporation has one, should be affixed;
 - (d) if the Proponent is carrying on business under a name other than its 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: Proposal should be printed below such signatures.
- B9.5 If a Proposal is submitted jointly by two or more persons, the word "Proponent" shall mean each and all such persons, and the undertakings, covenants and obligations of such joint Proponents in the Proposal and the Contract, when awarded, shall be both joint and several.

B10. PRICES

- B10.1 The Proponent shall state a price in Canadian funds for each item of the Work identified on Form B: Prices.

- 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 Proposals.
- 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).

B11. DESIGN DRAWINGS

- B11.1 The Proponent should submit drawings that illustrate the proposed design and play equipment, such as plan, perspective and any other submissions to illustrate the design intent. **Included in this should be a plan showing the proposed play equipment and associated safety zones within the proposed play area and site, drawn to scale.** Additional drawings may be requested prior to award for more detailed information.

B12. COMPONENT DESCRIPTIONS

- B12.1 The Proponent should submit component description and/or graphic or catalogue reference outlining specifications of play equipment components.

B13. DISCLOSURE

- B13.1 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.
- B13.2 The Persons are:
(a) N/A

B14. CONFLICT OF INTEREST AND GOOD FAITH

- B14.1 Proponents, by responding to this RFP, declare that no Conflict of Interest currently exists, or is reasonably expected to exist in the future.
- B14.2 Conflict of Interest means any situation or circumstance where a Proponent or Key Personnel 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 Proposals or award of the Contract; or
 - (ii) compromise, impair or be incompatible with the effective performance of a Proponent'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 its participation in the RFP process or the Project; or
- (f) has knowledge of confidential information (other than confidential information disclosed by the City in the normal course of the RFP process) of strategic and/or material relevance to

the RFP process or to the Project that is not available to other proponents and that could or would be seen to give that Proponent an unfair competitive advantage.

- B14.3** In connection with its Proposal, each entity identified in B14.2 shall:
- (a) avoid any perceived, potential or actual Conflict of Interest in relation to the procurement process and the Project;
 - (b) upon discovering any perceived, potential or actual Conflict of Interest at any time during the RFP process, promptly disclose a detailed description of the Conflict of Interest to the City in a written statement to the Project Manager; 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.
- B14.4** Without limiting B14.3, the City may, in its 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 its sole discretion, requires to satisfy itself that the Conflict of Interest has been appropriately avoided or mitigated, including requiring the Proponent to put into place such policies, procedures, measures and other safeguards as may be required by and be acceptable to the City, in its sole discretion, to avoid or mitigate the impact of such Conflict of Interest.
- B14.5** Without limiting B14.3, 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 its sole discretion:
- (a) disqualify a Proponent that fails to disclose a perceived, potential or actual Conflict of Interest of the Proponent or any of its Key Personnel;
 - (b) require the removal or replacement of any Key Personnel proposed for the Work that has a perceived, actual or potential Conflict of Interest that the City, in its sole discretion, determines cannot be avoided or mitigated;
 - (c) disqualify a Proponent or Key Personnel proposed for the Work that fails to comply with any requirements prescribed by the City pursuant to B14.4 to avoid or mitigate a Conflict of Interest; and
 - (d) disqualify a Proponent if the Proponent, or one of its Key Personnel proposed for the Project, has a perceived, potential or actual Conflict of Interest that, in the City's sole discretion, cannot be avoided or mitigated, or otherwise resolved.
- B14.6** The final determination of whether a perceived, potential or actual Conflict of Interest exists shall be made by the City, in its sole discretion.

B15. QUALIFICATION

- B15.1** The Proponent 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, or if the Proponent does not carry on business in Manitoba, in the jurisdiction where the Proponent does carry on business; 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.
- B15.2** The Proponent and any proposed Subcontractor (for the portion of the Work proposed to be subcontracted to them) shall:
- (a) be responsible and not be suspended, debarred or in default of any obligations to the City. A list of suspended or debarred individuals and companies is available on the Information

Connection page at The City of Winnipeg, Corporate Finance, Materials Management Division website at <http://www.winnipeg.ca/matmgt/debar.stm>.

- B15.3 The Proponent 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 a valid Canadian Certified Playground Inspector.
- B15.4 The Proponent 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 Proponent and of any proposed Subcontractor.
- B15.5 The Proponent shall provide, on the request of the Contract Administrator, full access to any of the Proponent's equipment and facilities to confirm, to the Contract Administrator's satisfaction, that the Proponent's equipment and facilities are adequate to perform the Work.
- B15.6 Further to B15.3(c), the Proponent shall, within five (5) Business Days of a request by the Contract Administrator, provide proof satisfactory to the Contract Administrator that the Proponent /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™) or
 - (i) a copy of their valid Manitoba COR certificate and Letter of Good Standing (or Manitoba equivalency) as issued under the Certificate of Recognition (COR) Program administered by the Construction Safety Association of Manitoba or by the Manitoba Heavy Construction Association's WORKSAFELY™ COR™ Program; or
 - (ii) a copy of their valid Manitoba SECOR™ certificate and Letter of Good Standing (or Manitoba equivalency) as issued under the Small Employer Certificate of Recognition Program (SECOR™) administered by the Construction Safety Association of Manitoba or by the Manitoba Heavy Construction Association's WORKSAFELY™ COR™ Program or
 - (b) a report or letter to that effect from an independent reviewer acceptable to the City. (A list of acceptable reviewers and the review template are available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Division website at <http://www.winnipeg.ca/matmgt/>).
- B15.7 The Proponent 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 Proponent and of any proposed Subcontractor.
- B15.8 The Proponent shall provide, on the request of the Contract Administrator, full access to any of the Proponent's equipment and facilities to confirm, to the Contract Administrator's satisfaction, that the Proponent's equipment and facilities are adequate to perform the Work.
- B16. OPENING OF PROPOSALS AND RELEASE OF INFORMATION**
- B16.1 Proposals will not be opened publicly.
- B16.2 After award of Contract, the name(s) of the Proponents and the Contract amount of the successful Proponent and their address(es) will be available on the Closed Bid Opportunities (or Public/Posted Opening & Award Results) page at The City of Winnipeg, Corporate Finance, Materials Management Division website at <http://www.winnipeg.ca/matmgt/> .

B16.3 The Proponent is advised any information contained in any Proposal Submission 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).

B16.3.1 To the extent permitted, the City shall treat as confidential information, those aspects of a Proposal Submission identified by the Proponent 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.

B16.4 Following the award of Contract, a Proponent will be provided with information related to the evaluation of his/her submission upon written request to the Contract Administrator.

B17. IRREVOCABLE OFFER

B17.1 The Proposal(s) submitted by the Proponent shall be irrevocable for the time period specified in Paragraph 10 of Form A: Proposal.

B17.2 The acceptance by the City of any Proposal shall not release the Proposals of the other responsive Proponents and these Proponents shall be bound by their offers on such Work until a Contract for the Work has been duly executed and the performance security furnished as herein provided, but any offer shall be deemed to have lapsed unless accepted within the time period specified in Paragraph 10 of Form A: Proposal.

B18. WITHDRAWAL OF OFFERS

B18.1 A Proponent may withdraw his/her Proposal without penalty by giving written notice to the Manager of Materials at any time prior to the Submission Deadline.

B18.1.1 Notwithstanding C23.3, the time and date of receipt of any notice withdrawing a Proposal shall be the time and date of receipt as determined by the Manager of Materials.

B18.1.2 The City will assume that any one of the contact persons named in Paragraph 3 of Form A: Proposal or the Proponent's authorized representatives named in Paragraph 12 of Form A: Proposal, and only such person, has authority to give notice of withdrawal.

B18.1.3 If a Proponent gives notice of withdrawal prior to the Submission Deadline, the Manager of Materials will:

- (a) retain the Proposal until after the Submission Deadline has elapsed;
- (b) open the Proposal to identify the contact person named in Paragraph 3 of Form A: Proposal and the Proponent's authorized representatives named in Paragraph 12 of Form A: Proposal; and
- (c) if the notice has been given by any one of the persons specified in B18.1.3(b), declare the Proposal withdrawn.

B18.2 A Proponent who withdraws his/her Proposal after the Submission Deadline but before his/her offer has been released or has lapsed as provided for in B17.2 shall be liable for such damages as are imposed upon the Proponent by law and subject to such sanctions as the Chief Administrative Officer considers appropriate in the circumstances. The City, in such event, shall be entitled to all rights and remedies available to it at law.

B19. INTERVIEWS

B19.1 The Contract Administrator may, in his/her sole discretion, interview Proponents during the evaluation process.

B20. NEGOTIATIONS

- B20.1 The City reserves the right to negotiate details of the Contract with any Proponent. Proponents are advised to present their best offer, not a starting point for negotiations in their Proposal Submission.
- B20.2 The City may negotiate with the Proponents submitting, in the City's opinion, the most advantageous Proposals. The City may enter into negotiations with one or more Proponents without being obligated to offer the same opportunity to any other Proponents. Negotiations may be concurrent and will involve each Proponent individually. The City shall incur no liability to any Proponent as a result of such negotiations.
- B20.3 If, in the course of negotiations pursuant to B20.2, the Proponent amends or modifies a Proposal after the Submission Deadline, the City may consider the amended Proposal as an alternative to the Proposal already submitted without releasing the Proponent from the Proposal as originally submitted.

B21. EVALUATION OF PROPOSALS

- B21.1 Award of the Contract shall be based on the following evaluation criteria **for each park**:
- (a) compliance by the Proponent with the requirements of the Request for Proposal or acceptable deviation therefrom: **(pass/fail)**
 - (b) qualifications of the Proponent and the Subconsultants, if any, pursuant to B15: **(pass/fail)**
 - (c) Total Bid Price; **10 points**
 - (d) Design Drawings/Component Descriptions **90 points**
- B21.2 Further to B21.1(a), the Award Authority may reject a Proposal as being non-responsive if the Proposal Submission is incomplete, obscure or conditional, or contains additions, deletions, alterations or other irregularities. The Award Authority may reject all or any part of any Proposal, or waive technical requirements or minor informalities or irregularities if the interests of the City so require.
- B21.3 Further to B21.1(b), the Award Authority shall reject any Proposal submitted by a Proponent who does not demonstrate, in its Proposal or in other information required to be submitted, that it is responsible and qualified.
- B21.4 Further to B21.1(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.
- B21.4.1 Further to B21.1(a), in the event that a unit price is not provided on Form B: Prices, the City will determine the unit price by dividing the Amount (extended price) by the approximate quantity, for the purposes of evaluation and payment.
- B21.4.2 Further to B21.1(c), the Award Authority may reject a Bid as being non-responsive if it exceeds the budget as shown on Form B: Prices.
- B21.4.3 The Total Bid Price shall be evaluated with a weighing of 10 points out of a total of 100 possible points. As such, the lowest Proponent shall receive the full 10 points, and the second lowest Proponent and subsequent Proponents shall be pro-rated accordingly.
- B21.5 Further to B21.1(d) Design Drawings/Component Descriptions shall be evaluated with a weighting of 90 points out of a total of 100 possible points as per B11 and B12.
- B21.5.1 The Design shall be evaluated on the following criteria:
- (a) compliance with CSA Standards **(pass/fail)**;
 - (b) play value **(maximum 41 points)**:
 - (i) **9 points** – Gross Motor Play Experience(s) (Climbing, balancing, etc.);

- (ii) **8 points** – Motion Component(s);
 - (iii) **8 points** - Provides opportunities for appropriate social / interpersonal interaction and co-operative play;
 - (iv) **6 points** – Imaginative/ Cognitive Play Component(s), including fine motor skills;
 - (v) **5 points** – Sliding Component(s): one 2-5 year old, one 5-12 year old;
 - (vi) **5 points** - Variety of play Components;
 - (c) Designed for inclusive play using Universal Design principles – Accessible Play Area only (**maximum 15 points**):
 - (i) Complies with section 2.3.5 of the 2015 City of Winnipeg Accessibility Design Standard (winnipeg.ca/ppd/Documents/Planning/UniversalDesign/Access_Design_Standards.pdf) (**pass/fail**);
 - (ii) **6 points** – Provision of tactile and auditory play experiences;
 - (iii) **6 points** – Layout of the play area for integration of wheelchair accessible components to promote inclusive play;
 - (iv) **3 points** – Layout of the play area for persons with visual impairment.
 - (d) Layout/circulation (**maximum 21 points**):
 - (i) **6 points** – Flow and relationship between play area activities;
 - (ii) **6 points** - Layout/orientation of components on Site and in relation to seating areas;
 - (iii) **3 points** - Orientation to provide good visibility to play area from adjacent road
 - (iv) **3 points** – Efficient use of space within and between elements;
 - (v) **3 points** - Slide orientation – north or east.
 - (e) Durability (**maximum 10 points**):
 - (i) **10 points** - Use of durable/tamper-resistant materials, low maintenance finishes and connector systems and ease of repair/replacement of the products used with the playground area and past performance.
 - (f) Drawing and Design Submission Clarity (**maximum 3 points**):
 - (i) **1 point** – Drawing Submission including complete Site Plan, clearly showing the location of all play equipment, play edging, pathways and seating areas.
 - (ii) **2 points** – Clarity of drawings, supportive imagery and literature that serve to effectively communicate the intent of the play structures design and function.
- B21.6 Further to B21.5.1(a), if Contractor states play equipment components are compliant with CSA Standards which are not, liquidated damages shall be charged as per D17 should this result in additional design and/or meeting time on the part of the Contract Administrator.

B22. AWARD OF CONTRACT

- B22.1 The City will give notice of the award of the Contract, or will give notice that no award will be made.
- B22.2 The City will have no obligation to award a Contract to a Proponent, even though one or all of the Proponents are determined to be responsible and qualified, and the Proposals are determined to be responsive.
- B22.2.1 Without limiting the generality of B22.2, 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 its own forces;
 - (d) only one Proposal 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.
- B22.3 Where an award of Contract is made by the City, the award shall be made to the responsible and qualified Proponent submitting the most advantageous offer.
- B22.3.1 Following the award of contract, a Proponent will be provided with information related to the evaluation of his/her Proposal upon written request to the Contract Administrator.
- B22.4 The City may, at its discretion, award the Contract in phases.
- B22.5 Notwithstanding Paragraph 6 of Form A: Proposal and C4, the City will issue a Letter of Intent to the successful Proponent in lieu of execution of a Contract.
- B22.5.1 The Contract documents as defined in C1.1(n)(ii) in their entirety shall be deemed to be incorporated in and to form a part of the Letter of Intent notwithstanding that they are not necessarily attached to or accompany said Letter of Intent.
- B22.6 The form of Contract with the City of Winnipeg will be based on the Contract as defined in C1.1(n).
- B22.7 Following the award of Contract, a Proponent will be provided with information related to the evaluation of its Proposal upon written request to the Project Manager.
- B22.8 If, after the award of Contract, the Project is cancelled, the City reserves the right to terminate the Contract. The Contractor will be paid for all Services rendered up to time of termination.

PART C - GENERAL CONDITIONS

C0. GENERAL CONDITIONS

- C0.1 The *General Conditions for Construction* (Revision 2006 12 15) are applicable to the Work of the Contract.
- C0.1.1 The *General Conditions for Construction* are available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Division website at http://www.winnipeg.ca/matmgt/gen_cond.stm .
- C0.2 A reference in the Request for Proposal 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.

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

D2. SCOPE OF WORK

D2.1 The Work to be done under the Contract shall consist of

- (a) Removals & Demolition;
- (b) Excavation & Grading;
- (c) CIP concrete sidewalks & curb ramps;
- (d) Granular pavement;
- (e) Timber play edging;
- (f) Playground equipment and swings;
- (g) Engineered wood fibre safety surfacing & associated drainage;
- (h) Shrub bed and Perennial planting;
- (i) Site furnishings;
- (j) Timber fencing & post bollards; and
- (k) Soil and sod.

D3. DEFINITIONS

D3.1 When used in this Request for Proposal:

- (a) "**CW**" means current City of Winnipeg Standard Construction Specification;
- (b) "**SD**" means current City of Winnipeg Standard Construction Detail;
- (c) "**SCD**" means current City of Winnipeg Parks Planning Standard Construction Detail Drawings

D4. CONTRACT ADMINISTRATOR

D4.1 The Contract Administrator is:

Lindsay Lagman
Landscape Designer

Telephone No.: 204 451-4185
Email address: llagman@winnipeg.ca

D4.2 Before commencement of Work, Contract Administrator will identify additional personnel representing the Contract Administrator and their respective roles and responsibilities for the Work.

D4.3 Bids Submissions must be submitted to the address in B8.

D5. CONTRACTOR'S SUPERVISOR

- D5.1 Further to C6, the Contractor shall employ and keep on the Work, at all times during the performance of the Work, a competent supervisor and assistants, if necessary, acceptable to the Contract Administrator. The supervisor shall represent the Contractor on the Site. The supervisor shall not be replaced without the prior consent of the Contract Administrator unless the supervisor proves to be unsatisfactory to the Contractor and ceases to be in his/her employ.
- D5.2 Before commencement of Work, the Contractor shall identify his/her designated supervisor and any additional personnel representing the Contractor and their respective roles and responsibilities for the Work.
- D5.2.1 Further to C5, Contract Administrator may give instructions or orders to the Contractor's supervisor and such instructions or orders shall be deemed to have been given to the Contractor.

D6. OWNERSHIP OF INFORMATION, CONFIDENTIALITY AND NON DISCLOSURE

- D6.1 The Contract, all deliverables produced or developed, and information provided to or acquired by the Contractor are the property of the City and shall not be appropriated for the Contractors own use, or for the use of any third party.
- D6.2 The Contractor shall not make any public announcements or press releases regarding the Contract, without the prior written authorization of the Contract Administrator.
- D6.3 The following shall be confidential and shall not be disclosed by the Contractor to the media or any member of the public without the prior written authorization of the Contract Administrator;
- (a) information provided to the Contractor by the City or acquired by the Contractor during the course of the Work;
 - (b) the Contract, all deliverables produced or developed; and
 - (c) any statement of fact or opinion regarding any aspect of the Contract.
- D6.4 A Contractor who violates any provision of D5 may be determined to be in breach of Contract.

D7. NOTICES

- D7.1 Notwithstanding C23.2.2, all notices of appeal to the Chief Administrative Officer shall be sent to the attention of the Chief Financial Officer at the following:
- The City of Winnipeg
Attn: Chief Financial Officer
Office of the Chief Administrative Officer
Susan A. Thompson Building
2nd Floor, 510 Main Street
Winnipeg MB R3B 1B9
- D7.2 **Bids Submissions must not be submitted to this address. Bids must be submitted in accordance with B8.**

SUBMISSIONS

D8. AUTHORITY TO CARRY ON BUSINESS

- D8.1 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.

D9. SAFE WORK PLAN

- D9.1 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.
- D9.2 The Safe Work Plan should be prepared and submitted in the format shown in the City's template which is available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Division website at <http://www.winnipeg.ca/matmgt/safety/default.stm>.

D10. INSURANCE

- D10.1 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; such liability policy to also contain a cross-liability clause, non-owned automobile liability and products and completed operations cover, to remain in place at all times during the performance of the Work;
 - (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) all risks installation floater, carrying adequate limits to covers all machinery, equipment, supplies and/or materials intended to enter into and form part of any installation.
- D10.2 Deductibles shall be borne by the Contractor.
- D10.3 The Contractor shall provide the Contract Administrator with a certificate(s) of insurance, **referencing the Bid Opportunity number and/or the Scope of Work D2 and Specifications PART E - to be performed**, in a form satisfactory to the City Solicitor, 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 C4.1 for the return of the executed Contract.
- D10.4 The Contractor shall not cancel, materially alter, or cause the policy to lapse without providing at least thirty (30) Calendar Days prior written notice to the Contract Administrator.
- D10.5 The City shall have the right to alter the limits and/or coverages as reasonably required from time to time during the continuance of this agreement.

D11. PERFORMANCE SECURITY

- D11.1 If the Contract Price exceeds twenty five thousand dollars (\$25,000.00), the Contractor shall provide and maintain performance security until the expiration of the warranty period in the form of:
- (a) a performance bond of a company registered to conduct the business of a surety in Manitoba, in the form attached to these Supplemental Conditions (Form H1: Performance Bond), in the amount of fifty percent (50%) of the Contract Price; or
 - (b) an irrevocable standby letter of credit issued by a bank or other financial institution registered to conduct business in Manitoba and drawn on a branch located in Winnipeg, in the form attached to these Supplemental Conditions (Form H2: Irrevocable Standby Letter of Credit), in the amount of fifty percent (50%) of the Contract Price; or
 - (c) a certified cheque or draft payable to "The City of Winnipeg", drawn on a bank or other financial institution registered to conduct business in Manitoba, in the amount of fifty percent (50%) of the Contract Price.

D11.1.1 Where the performance security is in the form of a certified cheque or draft, it will be deposited by the City. The City will not pay any interest on certified cheques or drafts furnished as performance security.

D11.2 The Contractor shall provide the City Solicitor with the required performance security within seven (7) Calendar Days of notification of the award and prior to the commencement of any Work on the Site.

D12. SUBCONTRACTOR LIST

D12.1 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 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 C4.1 for the return of the executed Contract.

D13. DETAILED WORK SCHEDULE

D13.1 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.

D13.2 Detailed Work Schedule shall consist of the following dates **for both parks**:

- (a) Start date;
- (b) Demolition and removals;
- (c) Excavation for play area, granular pavement, and CIP concrete sidewalks and curb ramps;
- (d) Rough Grading;
- (e) Installation of play edging;
- (f) Installation of play equipment;
- (g) Installation of sub-surface drainage;
- (h) Installation of safety surfacing;
- (i) Installation of CIP concrete sidewalks & curb ramps;
- (j) Installation of granular pathways and seating areas;
- (k) Installation of site furniture, including play sand;
- (l) Installation of timber fencing and post bollards;
- (m) Installation of soil and sod; and
- (n) Expected completion.

D13.3 Other milestone dates appropriate to this project should also be included to make the Contract Administrator aware of them.

SCHEDULE OF WORK

D14. COMMENCEMENT

D14.1 The Contractor shall not commence any Work until he/she is in receipt of a notice of award from the City authorizing the commencement of the Work.

D14.2 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 D8;
 - (ii) evidence of the workers compensation coverage specified in C6.15;
 - (iii) the Safe Work Plan specified in D9;

- (iv) evidence of the insurance specified in D10;
 - (v) the performance security specified in D11;
 - (vi) the Subcontractor list specified in D12; and
 - (vii) the detailed work schedule specified in D13.
- (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.

D14.3 The Contractor shall order play equipment and submit this information to the Contract Administrator within seven (7) Working Days of receipt of the letter of intent.

D14.4 The Contractor shall Commence the Work on the Site within forty two (42) Calendar Days of Receipt of the Letter of Intent.

D15. SUBSTANTIAL PERFORMANCE

D15.1 The Contractor shall achieve Substantial Performance within twenty five (25) consecutive Working Days of the commencement of the Work as specified in D14.

D15.2 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.

D15.3 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.

D16. TOTAL PERFORMANCE

D16.1 The Contractor shall achieve Total Performance within thirty (30) consecutive Working Days of the commencement of the Work as specified in D14.

D16.2 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.

D16.3 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.

D17. LIQUIDATED DAMAGES

D17.1 If the Contractor fails to achieve Total Performance in accordance with the Contract by the day fixed herein for Total Performance, the Contractor shall pay the City five hundred dollars (\$500.00) per Working Day for each and every Working Day following the day fixed herein for Total Performance during which such failure continues.

D17.2 The amount specified for liquidated damages in D17.1 is based on a genuine pre-estimate of the City's damages in the event that the Contractor does not achieve Substantial Performance by the day fixed herein for same.

D17.3 The City may reduce any payment to the Contractor by the amount of any liquidated damages assessed.

D18. SCHEDULED MAINTENANCE

- D18.1 The Contractor shall perform the following scheduled maintenance in the manner and within the time periods required by the Specifications:
- (a) Perennial Planting as specified in E17.
 - (b) Soil and Sod as specified in E19.
- D18.2 Determination of Substantial Performance and Total Performance shall be exclusive of scheduled maintenance identified herein. All scheduled maintenance shall be completed prior to the expiration of the warranty period. Where the scheduled maintenance cannot be completed during the warranty period, the warranty period shall be extended for such period of time as it takes the Contractor to complete the scheduled maintenance.

CONTROL OF WORK

D19. JOB MEETINGS

- D19.1 Regular weekly job meetings will be held at the Site. These meetings shall be attended by a minimum of one representative of the Contract Administrator, one representative of the City and one representative of the Contractor. Each representative shall be a responsible person capable of expressing the position of the Contract Administrator, the City 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.
- D19.2 The Contract Administrator reserves the right to cancel any job meeting or call additional job meetings whenever he/she deems it necessary.

D20. PRIME CONTRACTOR – THE WORKPLACE SAFETY AND HEALTH ACT (MANITOBA)

- D20.1 Further to C6.24, 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).

D21. THE WORKPLACE SAFETY AND HEALTH ACT (MANITOBA) – QUALIFICATIONS

- D21.1 Further to B15.6, 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 its sole discretion and acting reasonably, require updated proof of compliance, as set out in B15.6.

D22. PLANT AND MATERIALS

- D22.1 Plant and Material that is the property of the City shall not be removed from the Site, disposed of or used except for the purposes of the Work without the prior consent of the Contract Administrator.

D23. SAFETY

- D23.1 Further to C6, the Contractor shall be solely responsible for safety at the Site and for compliance with all laws, rules, regulations and practices required by the applicable safety legislation.
- D23.2 The Contractor shall be solely responsible for securing the Site, and any existing facility thereon, and for the proper care and protection of the Work already performed.
- D23.3 The Contractor shall do whatever is necessary to ensure that:

- (a) no person, property, right, easement or privilege is injured, damaged or infringed by reason of the Contractor's activities in performing the Work;
- (b) the health and safety of all persons employed in the performance of the Work or otherwise is not endangered by the method or means of its performance;
- (c) adequate medical services are available to all persons employed on the Work and at all times during the performance of the Work;
- (d) adequate sanitation measures are taken and facilities provided with respect to the Work.
- (e) pedestrian and other traffic on any public or private road or waterway is not unduly impeded, interrupted or endangered by the performance or existence of the Work or Plant;
- (f) fire hazards in or about the Work are eliminated;

D24. SITE CLEANING

- D24.1 The Contractor shall maintain the Site and the Work in a tidy condition and free from the accumulation of waste and debris, other than that caused by the City or by other contractors.
- D24.1.1 As the Work progresses, the Contractor shall remove any Plant and Material not required for the performance of the remaining Work. The Contractor shall also remove waste and debris other than that caused by the City or other contractors, and leave the Site and the Work clean and suitable for occupancy by the City unless otherwise specified.
- D24.1.2 Total Performance shall not be considered to have been achieved until the Contractor has cleaned up the Site and has removed all Plant, surplus Material, waste and debris, other than that left by the City or other contractors.

D25. INSPECTION

- D25.1 Before beginning or resuming operations upon any portion of the Work, the Contractor shall notify the Contract Administrator so as to enable him to arrange for inspection. If the Contractor fails to notify the Contract Administrator, the Contractor shall, if and when required by the Contract Administrator, forthwith take down or expose and redo that portion of the Work required to facilitate inspection. The cost of such taking down or exposure, and redoing, if any, shall be borne by the Contractor.
- D25.2 If and when required by the Contract Administrator, the Contractor shall take down or expose forthwith any portion of the Work where the Contract Administrator determines that the Work is not in accordance with the Contract. The cost of such taking down or exposure, and redoing, if any, shall fall upon the City if the taking down or exposure indicates that the portion exposed was properly performed, but if otherwise the cost shall be borne by the Contractor.

D26. DEFICIENCIES

- D26.1 Further to C11, the Contract Administrator may order the Contractor to alter or improve his/her methods, to increase or improve his/her Plant, to furnish additional or more suitable Material, or to employ additional or more qualified labour if, at any time, the Contract Administrator determines that:
- (a) the Work is not being, or will likely not be, performed satisfactorily; or
 - (b) progress is not being, or will likely not be, maintained in accordance with the work schedule.

MEASUREMENT AND PAYMENT

D27. PAYMENT

- D27.1 Further to C12, the City may at its option pay the Contractor by direct deposit to the Contractor's banking institution.

WARRANTY

D28. WARRANTY

D28.1 Warranty is as stated in C13.

FORM H1: PERFORMANCE BOND
(See D11)

KNOW ALL MEN BY THESE PRESENTS THAT

_____ ,
(hereinafter called the "Principal"), and

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

_____ dollars (\$_____)

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

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

RFP NO. 594-2018

AGATE PARK AND DURHAM PARK PLAYGROUND REDEVELOPMENT

which is by reference made part hereof and is hereinafter referred to as the "Contract".

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

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

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

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

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

_____ day of _____, 20____ .

SIGNED AND SEALED
in the presence of:

(Witness as to Principal if no seal)

(Name of Principal)

Per: _____ (Seal)

Per: _____

(Name of Surety)

By: _____ (Seal)
(Attorney-in-Fact)

**FORM H2: IRREVOCABLE STANDBY LETTER OF CREDIT
(PERFORMANCE SECURITY)**
(See D11)

(Date)

The City of Winnipeg
Legal Services Department
185 King Street, 3rd Floor
Winnipeg MB R3B 1J1

RE: PERFORMANCE SECURITY – RFP NO. 594-2018

AGATE PARK AND DURHAM PARK PLAYGROUND REDEVELOPMENT

Pursuant to the request of and for the account of our customer,

(Name of Contractor)

(Address of Contractor)

WE HEREBY ESTABLISH in your favour our irrevocable Standby Letter of Credit for a sum not exceeding in the aggregate

Canadian dollars.

This Standby Letter of Credit may be drawn on by you at any time and from time to time upon written demand for payment made upon us by you. It is understood that we are obligated under this Standby Letter of Credit for the payment of monies only and we hereby agree that we shall honour your demand for payment without inquiring whether you have a right as between yourself and our customer to make such demand and without recognizing any claim of our customer or objection by the customer to payment by us.

The amount of this Standby Letter of Credit may be reduced from time to time only by amounts drawn upon it by you or by formal notice in writing given to us by you if you desire such reduction or are willing that it be made.

Partial drawings are permitted.

We engage with you that all demands for payment made within the terms and currency of this Standby Letter of Credit will be duly honoured if presented to us at:

(Address)

and we confirm and hereby undertake to ensure that all demands for payment will be duly honoured by us.

All demands for payment shall specifically state that they are drawn under this Standby Letter of Credit.

Subject to the condition hereinafter set forth, this Standby Letter of Credit will expire on

(Date)

It is a condition of this Standby Letter of Credit that it shall be deemed to be automatically extended from year to year without amendment from the present or any future expiry date, unless at least 30 days prior to the present or any future expiry date, we notify you in writing that we elect not to consider this Standby Letter of Credit to be renewable for any additional period.

This Standby Letter of Credit may not be revoked or amended without your prior written approval.

This credit is subject to the Uniform Customs and Practice for Documentary Credit (2007 Revision), International Chamber of Commerce Publication Number 600.

(Name of bank or financial institution)

Per: _____
(Authorized Signing Officer)

Per: _____
(Authorized Signing Officer)

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 its entirety, whether or not specifically listed on Form B: Prices, shall apply to the Work.
- E1.2.1 *The City of Winnipeg Standard Construction Specifications* is available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Division website at <http://www.winnipeg.ca/matmgt/Spec/Default.stm>
- E1.2.2 The version in effect three (3) Business Days before the Submission Deadline shall apply.
- E1.2.3 Further to C2.4(d), Specifications included in the Bid Opportunity shall govern over *The City of Winnipeg Standard Construction Specifications*.
- E1.3 The following are applicable to the Work:

<u>Drawing No.</u>	<u>Drawing Name/Title</u>
A.54-A1	Demolition & Removals Plan
A.54-A2	Materials Plan
A.54-A3	Layout Plan
A.54-A4	Details
A.54-A5	Details
D.33-A1	Demolition & Removals Plan
D.33-A2	Materials Plan
D.33-A3	Layout Plan
SCD-119	Waste Receptacle Side Opening Metal Slat Type
SCD-121A	Tache Bench Composite with Arms
SCD-122A	Tache Style Wheelchair Metal Frame Picnic Table
SCD-154	Bilingual Park Sign w/ Address
SCD-501	Preparation of Planting Area
SCD-646	Parkway Path Crushed Limestone
SCD-651A	Double Timber Edging with Cap
SD-228A	Concrete Sidewalk
SD-229C	Curb Ramp Layout for Concrete Pavement
SD-243	Sodding Details

E2. EXISTING SERVICES AND UTILITIES

- E2.1 No responsibility will be assumed by the City for correctness or completeness of the Drawings, when provided, with respect to the existing utilities, pipes or other objects either underground or on the surface; the City shall not be liable for the incorrectness and inadequacy thereof. It shall be the responsibility of the Contractor to determine the location of all such utilities, pipes and other objects and to make good any damage done to them.

E3. ACCESS TO SITE

- E3.1 Access to the Site as required by the Contractor shall be provided and maintained by the Contractor at his/her own expense and approved by the Contract Administrator.
- E3.2 The Contractor's operations shall be limited to the minimum area necessary for undertaking the Work and he/she shall be responsible for all damage resulting from his/her Work on private property.

E4. PERMITS, NOTICES, LICENSES, CERTIFICATES, LAWS AND RULES

- E4.1 Further to C6.12, the Contractor shall give all necessary notices, obtain all necessary permits and pay all fees in order that the Work may be carried out. The Contractor shall submit all plans required by any inspection authority and obtain approval of same before proceeding with the Work, and pay any cost attached to the inspection of such plans.
- E4.2 The Contractor shall comply with all laws, ordinances, rules and regulations that would relate to the Work.
- E4.3 All notices, consents, approvals, statements, authorizations, documents or other communications to the City shall be submitted to the Contract Administrator.
- E4.4 All Work shall be performed in compliance with the Manitoba Workplace Health and Safety Act.
- E4.5 All Work shall be performed in compliance with the Manitoba Workplace Health and Safety Fall Protection guidelines.
- E4.6 The Contractor and Sub-contractors must be fully aware of all Work involving hazardous materials. All Work must be performed in compliance with the Manitoba Department of Labour Workplace Health and Safety Guidelines and all other applicable codes. The Contractor is responsible for the immediate notification to the Contract Administrator of his/her encountering of suspected hazardous material during their course of Work.

E5. DAMAGE TO EXISTING STRUCTURES, TREES AND PROPERTY

- E5.1 All necessary precautions shall be exercised by the Contractor so as not to remove, disturb, or damage any existing trees, shrubs, sod, pavements, streets, roads, boulevards, poles, hydrants, water pipes, gas pipes, electrical wires, cables, conduits, sewers or other existing facilities and equipment at the Site of the Work. For all damage incurred in the performance of the Work (either directly or indirectly), the Contractor shall either replace and repair such damage, whichever may be deemed necessary in the opinion of, and acceptable to City of Winnipeg Contract Administrator, and the cost of which shall be borne entirely by the Contractor. The Contractor shall also indemnify and save harmless the City from all claims made directly or indirectly against it in respect to any such damage.
- E5.2 The Contractor shall take the following precautionary steps to prevent damage from construction activities to existing park trees within the limits of the construction area:
- (a) The Contractor shall not stockpile materials and soil or park vehicles and equipment within 2 metres of trees.
 - (b) Trees identified to be at risk by the Contract Administrator are to be strapped with 25x100x2400 wood planks, or suitable protection 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 drip line of the trees shall be kept to a 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 drip lines of trees. The drip line 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.

E5.3 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 his/her designate.

E5.4 No separate measurement or payment will be made for the protection of trees.

E6. PEDESTRIAN SAFETY AND TRAFFIC MANAGEMENT

E6.1 Further to CW 1130, the Contractor shall take such measures as are necessary to ensure safe and convenient pedestrian ingress and egress is maintained to private properties while he/she is working near them. Any damage caused by the negligence of the Contractor or his/her Sub-Contractors to the adjacent Works or properties, shall be promptly repaired by him at his/her own expense, to the satisfaction of the Contract Administrator.

E6.2 Ambulance/ Emergency vehicle access must be maintained at all times.

E7. PROTECTION OF THE SURVEY INFRASTRUCTURE

E7.1 Notwithstanding clause 4 "Persons and municipalities to protect Outline Monuments"; under [The Surveys Act](#), of Manitoba, the Contractor shall be responsible to protect the Survey Infrastructure from damage as a result of the Work.

E7.2 Further to C6.26 (g), at least 72 hours prior to the commencement of the On-Site Work the Contractor shall contact the City of Winnipeg, Geomatics Services Branch at 204-918-1360 (8:00 am to 4:00 pm Monday to Friday, excluding holidays) to obtain underground clearance. Geomatics Services will locate and mark all known outline survey monuments and geodetic control monuments and confirm the physical condition of those monuments upon completion of construction, at no cost to the Contractor.

E7.3 Where a survey post, bar or control monument lies in the line of the proposed Work and must be disturbed, the Contractor shall provide the Contract Administrator with 48 hours' notice to permit referencing for future replacement, at no cost to the Contractor. Failure to provide the specified notice shall result in the Contractor paying for all costs associated with replacing or relocating the disturbed outline survey monuments and geodetic control monuments. Survey monuments and geodetic control monuments at or adjacent to the Site, not in the line of the proposed construction that are damaged or disturbed by the Contractor shall be replaced or relocated by the City or its agent and all associated costs shall be paid for by the Contractor.

E7.4 An approximate estimate of the cost to restore a legal survey monument is \$1,000 per bar and \$3,000 per control monument. Contractors shall ensure their landscaping and other subcontractors are aware of this clearance procedure and the potential restoration costs. Where possible, amounts owed to the City in accordance with the above will be deducted from payments to be made by the City to the Contractor.

E8. SITE ENCLOSURES

E8.1 Temporary Site enclosures, as determined necessary at the pre-construction meeting, shall be erected and maintained as required for the duration of the construction period.

E8.2 Site enclosures shall be considered incidental to the Contract Work.

SITE DEVELOPMENT

E9. DEMOLITION AND REMOVALS

E9.1 General Description

- E9.1.1 This specification shall cover the removal and legal disposal of bollards, swing sets, slide, climbing structures, concrete footings, and timber edging.
- E9.1.2 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.
- E9.2 Construction Methods
- E9.2.1 Bollard removal
- (a) The Contractor shall carefully remove entire bollard, above and below grade and legally dispose material off Site.
 - (b) Holes left by bollard removal (where new posts are not situated in same location as previous posts) to be filled with clean earthen material with 150 mm top coat of soil as per E19.
- E9.2.2 Play equipment
- (a) Remove and legally dispose of existing play equipment, swing sets, concrete foundations, sand box and timber edging as per the Drawings.
 - (i) Salvage swing seats and chains. Coordinate turn over with Contract Administrator.
 - (b) Make right any damage incurred in the performance of the Work to the satisfaction of the Contract Administrator.
- E9.2.3 Cleaning as per D24.
- E9.3 Method of Measurement and Basis of Payment
- E9.3.1 Method of Measurement shall be as follows:
- (a) Removal of bollards will be measured on a per unit basis for:
 - (i) "Remove and legally dispose of bollards" of Form B: Prices.
 - (b) Removal of existing play equipment, swing sets, concrete foundations, sand box, and timber edging, will be measured on a lump sum basis for
 - (i) "Remove and legally dispose of swing sets, slide, climbing structures, concrete footings, and timber edging" on Form B: Prices.
 - (c) No separate Measurement shall be made for
 - (i) Filling old post bollard holes with clean earthen material and 150 mm soil topcoat as this Work is incidental herein.
- E9.3.2 Basis of Payment shall be as follows:
- (a) Demolition and Removals will be paid for at the Contract Unit Prices on Form B: Prices. The amount to be paid for shall be the total number of units, measured as specified herein, which price shall be for full payment for supplying all labour, equipment and materials, and performing all operations herein described and all other items incidental to the Work and as accepted by the Contract Administrator.
 - (b) No additional payment will be made for
 - (i) Filling old post bollard holes with clean earthen material and 150 mm soil topcoat as this Work is incidental herein.

E10. EXCAVATION & GRADING

E10.1 General Description

- E10.1.1 This specification shall amend and supplement CW 3110 and CW 3170. It shall cover the excavation of: sand, pea gravel, and earthen material from inside and outside the new play

area; new CIP concrete pavement and curb ramps, new granular pavement, new granular pad at sandbox, new planting beds, and new soil and sod.

- E10.1.2 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.
- E10.1.3 All extraneous materials are to be removed from the Site and disposed of in a safe and legal manner.
- E10.1.4 Work shall include but not be limited to the following:
- (a) Excavate, add clean fill if necessary, and grade to the limits shown on Drawings to the depths necessary to achieve finish grade for:
 - (i) Sand outside of new play area
 - ◆ Excavate and legally dispose of existing sandbox sand, depth varies.
 - ◆ Sand outside of new play area: excavate entire depth of existing sand surfacing, depth varies.
 - (ii) Pea Gravel outside of new play area
 - ◆ Excavate and legally dispose of existing pea gravel, depth varies.
 - (iii) Sand and Earthen Material inside of New Play Area
 - ◆ Play Area depth of excavation is approximately 225 mm (75 mm depth granular drainage layer and an additional 150 mm depth granular drainage layer).
 - ◆ Excavate all sand inside of new play area, depth varies.
 - (iv) CIP concrete pavement and curb ramps per E11.
 - (v) Granular pavement per E12.
 - (vi) Planting beds per E16.
 - (vii) Soil and sod per E19.

E10.2 Construction Methods

- E10.2.1 Excavation includes the removal of items (i.e., sand, earth, granular) as indicated on the Drawings and as directed by the Contract Administrator. Work includes the satisfactory disposal of unsuitable Site material such as clays susceptible to frost-heaving, silts, rock, rubble, rubbish and any surplus suitable Site material.
- (a) Stockpile suitable, approved material on Site for reuse (clean safety surfacing sand, topsoil, clean earth fill,) in grading operations as required in a secure location. Remove and dispose of unsuitable material.
 - (b) Disposal of material shall be understood to mean the hauling of all unsuitable material from the Site and the unloading in a legal manner acceptable to the Contract Administrator. If arrangements are made in advance excavated material may be disposed of on Site at a location designated by the Contract Administrator.
 - (c) Contractor must coordinate with the Contract Administrator to ensure all removals have occurred.
 - (d) The depth of excavation in the play area shall directly relate to the requirements of the play equipment proposed in the Bid Submission.
 - (e) Excavate to the limits shown and as necessary to achieve finish grades as indicated on the Drawings. Where design grades are not shown, the new surface materials shall be installed to meet flush with surrounding grades, and sloped so as not to impede the existing drainage pattern in accordance with Drawings.

- (f) Where new sod will meet existing, employ a vertical shearing operation, such as using a sharp spade or edger, along the outside edges of the excavation to create a clean and definite line for the new sod to abut flush to.
- (g) Excavation should be coordinated with the installation of play equipment and safety surfacing so as not to leave an open excavation area subject to ponding water.

E10.2.2 Site Grading shall be as per Drawings.

- (a) The Contractor must ensure that the rough grading does not create tripping hazards and no areas of standing water remain. The subgrade of all excavated play areas must drain towards the subsurface drainage piping, if applicable.
- (b) If necessary the Contractor shall import clean fill to achieve grades as per Drawings.
- (c) Backfill shall be placed in a dry, thawed condition and shall be maintained free of moisture or frost.
- (d) In fill areas where the difference between the existing ground elevation and the new finished design elevation is less than 300 mm, the Contractor shall scarify the existing ground to a minimum depth of 50 mm prior to placement of any fill.
- (e) All surplus fill material shall be removed and legally disposed off-site.
- (f) Do not disturb adjacent items designated to remain in place.

E10.2.3 Cleaning as per D24.

E10.3 Method of Measurement and Basis of Payment

E10.3.1 Method of Measurement shall be as follows:

- (a) Excavation of sand outside of new play area shall be measured on a cubic meter basis for
 - (i) "Excavate and legally dispose of sand outside of new play area" on Form B: Prices.
- (b) Excavation of pea gravel outside of new play area shall be measured on a cubic meter basis for
 - (i) "Excavate and legally dispose of pea gravel outside of new play area" on Form B: Prices.
- (c) Excavation for new play area shall be measured on a square meter basis for
 - (i) "Excavate and legally dispose of sand and earthen material in new play area"; and
 - (ii) "Excavate and legally dispose of sand and earthen material in new play area" on Form B: Prices.
- (d) Rough grading of site shall be measured on a square meter basis for
 - (i) "Rough grading" on Form B: Prices.
- (e) No separate measurement will be made for:
 - (i) Excavation and grading of CIP concrete pavement and curb ramps per E11, as these items are incidental to the Work herein.
 - (ii) Excavation and grading of granular pavement per E12, as this item is incidental to the Work herein.
 - (iii) Excavation and grading of planting beds per E16, as this item is incidental to the Work herein.
 - (iv) Excavation and grading of soil and sod per E19, as this item is incidental to the Work herein.

E10.3.2 Basis of Payment shall be as follows:

- (a) Excavation and Grading will be paid for at the Contract Unit Prices on Form B: Prices. The amount to be paid for shall be the total number of units, measured as specified

herein, which price shall be for full payment for supplying all labour, equipment and materials, and performing all operations herein described and all other items incidental to the Work and as accepted by the Contract Administrator.

- (b) No additional payment will be made for:
 - (i) Excavation and grading of CIP concrete pavement and curb ramps per E11, as this item is incidental to the Work herein.
 - (ii) Excavation and grading of granular pavement per E12, as this item is incidental to the Work herein.
 - (iii) Excavation and grading of planting beds per E16, as this item is incidental to the Work herein.
 - (iv) Excavation and grading of soil and sod per E19, as this item is incidental to the Work herein.

E11. CAST-IN-PLACE CONCRETE PAVEMENT AND CURB RAMPS

E11.1 Description

E11.1.1 This Specification shall supplement CW 3325, CW 3310 and CW 3240. It shall cover the supply and installation of CIP concrete pavement and curb ramps as per the Drawings.

E11.1.2 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.

E11.2 Material

E11.2.1 All material shall conform to current CW 3325, CW 3310, 3240 and all other applicable current City of Winnipeg Standard Construction Specifications, whether listed herein or not.

E11.2.2 Granular limestone base is to be crushed stone or gravel having hard angular particles, free from clay lumps, cementation, organic material, frozen material or other deleterious materials.

E11.2.3 Recycled concrete base material will not be accepted.

E11.2.4 Geotextile shall be non-woven and installed as shown on the drawings. It shall have an apparent opening size of between 0.149 mm and 0.210 mm and a minimum unit weight of 135 grams per sq. m.

E11.3 Supply of Materials and Equipment

E11.3.1 The Contractor shall supply all materials and use equipment in accordance with the current City of Winnipeg Standard Construction Specifications.

E11.4 Construction Methods

E11.4.1 Cast-in-place concrete pavement and curb ramps shall be installed as shown on Drawings and in accordance with the current City of Winnipeg Standard Construction Specifications.

E11.4.2 Soil and sod repair as per E19.

E11.4.3 Cleaning as per D24.

E11.5 Method of Measurement and Basis of Payment

E11.5.1 Method of Measurement shall be as follows:

- (a) Cast-in-place concrete pavement and curb ramps shall be measured on a square meter basis for:
 - (i) "Supply & install 100 mm (4") CIP concrete sidewalk and curb ramp" on Form B: Prices.

- (b) No separate measurement will be taken for soil and sod repair along cast-in-place concrete pavement and curb ramps as this item is incidental to the work herein.

E11.5.1 Basis of Payment shall be as follows:

- (a) Cast-in-Place concrete pavement and curb ramps will be paid for at the Contract Unit Prices. The amount to be paid for shall be the total number of units, as indicated on Form B: Prices. This price shall be full payment for supplying all labour, equipment and materials, and performing all operations herein described and all other items incidental to the Work and as accepted by the Contract Administrator.
- (b) No additional payment will be made for soil and sod repair along cast-in-place concrete pavement and curb ramps as this item is incidental to the work herein.

E12. GRANULAR PAVEMENT

E12.1 Description

- E12.1.1 This specification shall amend and supplement City of Winnipeg Specification CW 3110 and include all phases of supply and placement of crushed limestone surfacing materials necessary to install a parkway path and seating areas as shown on the Drawings.
- E12.1.2 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.

E12.2 Materials

- E12.2.1 The materials of the granular pavement shall be as per SCD-646.

E12.3 Construction Method

- E12.3.1 The Work included in the establishment of the Granular Pavement shall include:
 - (a) The Contractor shall survey and stake out the proposed Granular Pavement prior to the start of construction as shown on the Drawings. Layout shall be checked and confirmed with Contract Administrator prior to construction.
 - (b) Excavation of Granular Pavement shall be as per E10.
 - (c) Subgrade to be compacted.
 - (d) All granular base courses shall be placed and compacted to the finished thickness as specified on the Drawings.
 - (e) Base Coarse and Capping Coarse shall be compacted to a minimum of ninety five percent (95%) of Standard Proctor Density.
 - (f) Soil and sod repair as per E19.
- E12.3.2 Cleaning as per D24.

E12.4 Method of Measurement and Basis of Payment

E12.4.1 Method of Measurement shall be as follows:

- (a) Granular Pavement shall be measured on a square metre basis for:
 - (i) Supply & install Parkway Path Crushed Limestone” on Form B: Prices.
- (b) No separate measurement will be taken for soil and sod repair along granular pavement as this item is incidental to the work herein.

E12.4.2 Basis of Payment shall be as follows:

- (a) Granular Pavement area shall be paid for at the Contract Unit Prices. The amount to be paid for shall be the total number of units, as indicated on Form B: Prices. This price shall be full payment for excavation, subgrade compaction, supply and

installation of base course and top course, supplying all labour, equipment and materials, and performing all operations herein described and all other items incidental to the Work and as accepted by the Contract Administrator.

- (b) No additional payment will be made for soil and sod repair along granular pavement as this item is incidental to the work herein.

E13. TIMBER EDGING

E13.1 General Description

- E13.1.1 This specification shall cover the supply and installation of double tier timber edging to contain the engineered wood fibre safety surfacing in the new play area.
- E13.1.2 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.

E13.2 Materials and Construction Method

- E13.2.1 Cap and screws as per SCD-651A and Drawings.
- E13.2.2 All wood rows shall be pressure treated spruce, pine or fir, No. 2 or better, no wane, bark, checking or splitting permitted. Wood shall be smooth and free of rough areas. All timbers to be 140 mm x 140 mm with a minimum length of 1200 mm. All ends and cuts shall be treated with preservative before being secured. Use longest lengths possible.
- E13.2.3 Edging material shall be cut neatly for a proper fit with no spaces or gaps between. Finished elevations shall ensure that all edging material is smooth, level, set plumb and spaced uniformly. Joints to be butt joints. Joints in straight runs are to be lapped over timber by a minimum of 600 mm.
- E13.2.4 Sod shall be repaired as required around edging as per CW 3510, CW3540, and E19.
- E13.2.5 Cleaning as per D24.

E13.3 Method of Measurement and Basis of Payment

- E13.3.1 Method of Measurement shall be as follows:
- (a) Timber Edging will be measured on a linear metre basis for:
- (i) "Supply & install double timber edging with cap" on Form B: Prices.
- E13.3.2 Basis of Payment shall be as follows:
- (a) Timber edging will be paid for at the Contract Unit Prices. The amount to be paid for shall be the total number of units, as indicated on Form B: Prices. This price shall be full payment for supplying all labour, equipment and materials, and performing all operations herein described and all other items incidental to the Work and as accepted by the Contract Administrator.

E14. PROTECTIVE SURFACING

E14.1 General Description

- E14.1.1** This specification shall cover the supply and install of engineered wood fibre safety surfacing, including granular drainage layer and an **additional 150 mm depth granular drainage layer**.
- E14.1.2 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.

E14.2 Materials

E14.2.1 Engineered Wood Fibre Surfacing

- (a) Wood Fibre product shall be either Zeagar Woodcarpet system 1 or Fibar FibarSystem **200**:
 - (i) **Only the Fibar System 200 with granular drainage layer will be acceptable, not the drainage strips as used in Fibar System 300.**
- (b) Wood Fibre surfacing shall be supplied by an authorized distributor and delivery slips and/or a warranty certificate from an authorized supplier are to be submitted to the Contract Administrator prior to installation.
 - (i) Contact for Woodcarpet:

Zeagar Bros. Inc.
4000 East Harrisburg Pike, Middletown, PA 17057, USA
Phone: 1-888-346-8524 or 717-944-7481 ·
Fax: 717-944-7681
Email: sales@zeager.com
 - (ii) Contact for FibarSystem **200**:

The Fibar Group LLC
80 Business Park Drive, Suite 300, Armonk, NY 10504-1705, USA
Phone: 1-800-342-2721
Fax: 914-273-8659
Email: info@FibarPlaygrounds.com
- (c) Approved substitutions must be in accordance with B7 and the following conditions:
 - (i) materials must be IPEMA certified Engineered Wood Fibre;
 - (ii) material must consist of random-sized, clean, engineered hardwood chips. Standard wood chips or bark mulch are not acceptable;
 - (iii) materials must meet or exceed ASTM F1292 standards for impact attenuation;
 - (iv) materials must be certified by the CSA and approved for playground use;
 - (v) materials must comply with ASTM F1951 for accessibility under the Canadians with Disabilities Act;
 - (vi) materials must be covered by \$10,000,000.00 product liability insurance as well as provide a minimum 10 year warranty against loss of resiliency.
- (d) Wood Fibre surfacing shall include wood fibre, filter cloth, granular drainage layer and mats under swings and ends of slides.
- (e) Mats are to be installed directly on top of the geotextile fabric and secured in place with two (2) duckbill anchors per mat.

E14.3 Construction Methods

E14.3.1 Construction Methods

- (a) Wood Fibre shall be installed within the play areas, as defined by the timber edging, to a **minimum depth of 300 mm** (after compaction). In the case where proposed play equipment includes a maximum fall height greater than 2400 mm (8'-0"), depth of material to directly correspond to maximum fall height of play equipment in accordance with manufacturer's written specifications.
- (b) The installation of the Wood Fibre shall be done immediately after the play equipment has been installed.
- (c) Installation of entire system, including fibre, filter cloth, subsurface drainage and mats under swings and slide ends shall be done in accordance with manufacturer's written instructions and specifications.

- (d) **Additional 150 mm depth granular drainage stone is to be installed underneath protective surfacing as supplementary drainage layer.**
- (e) Adequate drainage within play equipment area must be ensured and in accordance with manufacturer's written instructions and specifications.
- (f) Filter fabric must be cut and fit around playground equipment footings and overlap seams by 300 mm.
- (g) Installation
 - (i) Shall be done by equipment sized to suit the Work being done.
 - (ii) Wood Fibre shall be spread by hand, as necessary, in the immediate vicinity of the play equipment so as not to damage the play equipment. Any damage to the play equipment shall be reported to the Contract Administrator immediately.
 - (iii) The play equipment shall be swept clean to the satisfaction of the Contract Administrator after installation of the Wood Fibre.

E14.3.2 Cleaning as per D24.

E14.4 Method of Measurement and Basis of Payment

E14.4.1 Method of Measurement shall be as follows:

- (a) Protective surfacing shall be measured on a square meter basis for
 - (i) "Supply & install engineered wood fibre safety surfacing c/w additional 150 mm (min.) drainage layer" on Form B: Prices

E14.4.2 Basis of Payment shall be as follows:

- (a) Protective Surfacing will be paid for at the Contract Unit Prices. The amount to be paid for shall be the total number of units, as indicated on Form B: Prices. This price shall be full payment for supplying all labour, equipment and materials, and performing all operations herein described and all other items incidental to the Work and as accepted by the Contract Administrator.

E15. SITE FURNITURE

E15.1 Description

E15.1.1 This specification shall cover the **pick-up** and installation of one (1) sandbox and the supply and installation of play sand, as well as the **pick-up** and installation of (2) accessible picnic tables, four (4) benches, two (2) waste receptacles and one (1) double-sided bilingual park sign.

E15.1.2 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.

E15.2 Materials

E15.2.1 All materials supplied under this specification shall be of a type approved by the Contract Administrator, and shall be subject to inspection and testing by the Contract Administrator.

E15.2.2 Site Furniture shall be:

- (a) Sandbox - Painted Wooden Sandbox on Granular Pad, per SCD 660, paint colour to be determined, or substitute in accordance with B7.
- (b) Bench – Tache Style Composite Bench with Back and Arm Rests, per SCD-121A – galvanized, Product # 52501085GLV, or substitute in accordance with B7.
- (c) Accessible Picnic Table – Tache Style Wheelchair Metal Frame Picnic Table as per SCD-122A - galvanized metal legs, or substitute in accordance with B7.

- (d) Waste Receptacle – Surface Mounted Waste Receptacle Side Opening Metal Slat Type, per SCD-119 - galvanized, Product # 52501063GLV (metal slat WR) and Product # 52501058GLV (Wire Basket), or substitute in accordance with B7.
- (e) Agate Park - Park Sign- Bilingual Park Sign with Address, per SCD-154, Double Sided Sign, Product #52501105, sign to have the following park name and address: "Parc Agate Park", "33 baie Argonne Bay", or substitute in accordance with B7.
- (f) Durham Park - Park Sign – to be incorporated into Play Equipment proposal per E20.4(c).

E15.2.3 For ordering Site Furniture please email:

- (a) pwd-cps-orderdesk@winnipeg.ca

E15.2.4 Play Sand

- (a) Play sand shall be of a type approved by the Contract Administrator and shall be subject to inspection and testing by the Contract Administrator.
- (b) Play sand shall be natural washed sand of rounded particles, free of fines, clay, silt, stones or other debris and shall meet the following criteria:
 - (i) 100% passing 6.7 mm sieve;
 - (ii) 99.5% passing 4.75 mm sieve;
 - (iii) 97-100 % passing 2.36 mm sieve;
 - (iv) 70-90 % passing 1.18 mm sieve;
 - (v) 25-60% passing 600 um sieve;
 - (vi) 5-25% passing 300 um sieve;
 - (vii) 0-3 % passing 150 um sieve;
 - (viii) 0-1% passing 75 um sieve.

E15.3 Construction Methods

E15.3.1 All Work is to be located and installed in accordance with the Drawings, SDs, SCDs, and following manufacturer's instructions, 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;

- (a) Contractor to ensure all furnishings, fixtures, and signage are intact, undamaged, and in good working order upon pickup. Damaged site furnishings will not be accepted.
- (b) 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 Contract Administrator prior to installation.
- (c) All furnishings and fixtures to be carefully handled so that no parts will be bent, broken or otherwise damaged. Hammering of site furnishings, fixtures, and signage is prohibited.
- (d) Damaged site furnishings, fixtures, and signage, installed or otherwise, may be refused by Contract Administrator upon inspection.
- (e) Play sand to be installed as per the Drawings.
- (f) Concrete foundations shall be as per Drawings and E22.
- (g) Soil and sod repair as per E19.

E15.3.2 Cleaning as per D24.

E15.4 Method of Measurement and Basis of Payment

E15.4.1 Method of Measurement shall be as follows:

- (a) Site Furniture will be measured on a per item basis for the following items:

- (i) "Pick up & install sandbox and supply & install 2 CM play sand";
 - (ii) "Pick up & install bench";
 - (iii) "Pick up & install accessible picnic table";
 - (iv) "Pick up & surface mount waste receptacle c/w insert",
 - (v) "Pick up & install waste receptacle c/w insert"; and
 - (vi) "Pick up & install park sign" on Form B: Prices.
- (b) No separate measurement will be made for the supply and installation of granular pad for sandbox as this item is incidental to the Work herein.
- (c) No separate measurement will be made for the supply and install of play sand as this item is incidental to the Work herein.

E15.4.2 Basis of Payment shall be as follows:

- (a) Site Furniture will be paid for at the Contract Unit Prices. The amount to be paid for shall be the total number of units, as indicated on Form B: Prices. This price shall be full payment for supplying all labour, equipment and materials, and performing all operations herein described and all other items incidental to the Work and as accepted by the Contract Administrator.
- (b) No additional payment will be made for supply and installation of granular pad for sandbox as this item is incidental to the Work herein
- (c) No additional payment will be made for the supply and install of play sand as this item is incidental to the Work herein.

E16. PLANTING BEDS

E16.1 Description

E16.1.1 This specification shall cover planting bed installation and planting topsoil mix and woodchip mulch.

E16.1.2 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.

E16.2 Materials

E16.2.1 Topsoil Mix

- (a) Planting soil shall consist of black top soil, a fertile friable natural loam containing by volume not less than 4% and no more than 25% of organic matter for clay loams, and not less than 2% and no more than 25% for sandy loams, with an acidity value ranging from pH 6.0 to 8.0 and capable of sustaining vigorous plant growth. Topsoil is to be free of any mixture of subsoil, clay lumps and free of stones and other extraneous matter including couch or crab grass rhizomes.

E16.2.2 Woodchip mulch

- (a) Local woodchip mulch is to be a clean bark or woodchip mulch with pieces not less than 15 mm nor larger than 100 mm in size and not more than 20 mm thick. Mulch is to be free of leaves, branches and other extraneous matter.

E16.3 Construction Methods

E16.3.1 Excavation and Preparation of Planting Beds

- (a) Planting Beds to be excavated as per Drawings and E10.

- (b) Upon excavation of the planting bed, the excavation shall be backfilled with a topsoil mixture to a depth to permit adequate installation and stabilization of the plant material.
- (c) Topsoil shall be placed in accordance with CW 3540 to a minimum compacted depth of 300 mm in areas indicated on the Drawings and as per SCD-501.

E16.3.2 Woodchip mulch placement

- (a) Mulch to be installed as per the Drawings and SCD-501 after planting installation is complete.

E16.3.3 Cleaning as per D24.

E16.4 Method of Measurement and Basis of Payment

E16.4.1 Method of Measurement shall be as follows:

- (a) The supply and installation of the planting beds shall be measured on a square meter basis for:
 - (i) "Supply and install planting beds c/w 100 mm woodchip mulch" on Form B: Prices.

E16.4.2 Basis of Payment shall be as follows:

- (a) The supply and installation of the Planting Beds will be paid for at the Contract Unit Prices as indicated on Form B: Prices. The amount to be paid for shall be the total number of units on Form B: Prices. This price shall be full payment for supplying all labour, equipment and materials, and performing all operations herein described and all other items incidental to the Work and as accepted by the Contract Administrator.

E17. SHRUB PLANTING

E17.1 Description

E17.1.1 This specification shall cover the supply and install of nursery grown shrub plantings.

E17.1.2 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.

E17.2 Materials

E17.2.1 General

- (a) All nursery stock supplied shall be Canadian prairie nursery grown, of the species and sizes indicated on the drawings. Quality shall be in accordance with the latest "Guide Specification for Nursery Stock of the Canadian Nursery Trades Association".
- (b) If a specified plant is not available the Contractor shall notify the Contract Administrator. The use of alternate plant material will not be permitted unless approved by the Contract Administrator.
- (c) Any nursery stock dug from native stands, wood lots, orchards or neglected nurseries and which have not received proper cultural maintenance as advocated by the Canadian Nursery Trades Association shall be designated as "collected plants". The use of "collected plants" will not be permitted unless approved by the Contract Administrator.
- (d) The Contract Administrator reserves the right to inspect the plant material at the original source, and to instruct the supplier on root and branch pruning requirements.
- (e) Nomenclature of specified nursery stock shall conform to the International Code of Nomenclature for Cultivated Plants and shall be in accordance with the approved scientific names given in the latest edition of standardized Plant Names. The names

of varieties not names therein are generally in conformity with the names accepted in the nursery trades.

- (f) Plants larger than specified may be used if approved by the Contract Administrator. The use of such plants shall not increase the Contract price.
- (g) All nursery stock shall be measured when the plants are in their normal position. Height and spread dimensions specified refer to the main body of the plant.
- (h) All nursery stock shall be well branched, true to type, structurally sound, possess a well-developed, undamaged root system and shall be free of disease, insect infestations, rodent damage, sunscald, frost cracks and other abrasion or scare to the bark. All parts of the nursery stock shall be moist and show live, green cambium when cut.
- (i) At least one plant of each variety supplied shall bear a tag showing both the botanical and common name of the plant.

E17.2.2 Protection of Stock

- (a) All nursery stock shall be well protected from damage and drying out until the time of planting on site. All roots shall be cleanly cut; split roots are not acceptable.
- (b) Nursery stock shall be transplanted with care to prevent damage. Plants shall be carefully tied in such a manner so as not to break or damage plants. Points of contact with equipment shall be padded. All nursery stock, which cannot be planted immediately upon arrival at the site, shall be well protected to prevent drying out and shall be kept moist until commencement of planting.

E17.2.3 Wound Dressing

- (a) Horticulturally accepted non-toxic, non-hardening emulsion. Wound Dressing must be approved by Contract Administrator.

E17.2.4 Plant Size and Species

- (a) Plant size and species as specified in Plan Specification List on Drawings, or substitutes in accordance with B7.

E17.3 Construction Methods

E17.3.1 General

- (a) Shrub planting shall be as per SCD-501.
- (b) For container stock or root balls in non-degradable wrapping, remove entire container or wrapping without damaging root ball.
- (c) Planting pits shall be excavated in a square shape with vertical sides to a depth and minimum width amounting to twice the diameter of the root system, as per SCD-501. Hand dig pits where required to protect underground utilities.
- (d) Upon excavation of the pits, and protection of any underground utility lines, the holes shall be backfilled with a topsoil mixture to a depth to permit adequate installation and stabilization of the plant material as per E16.
- (e) After inserting the plant and filling the planting hole with topsoil, clean water shall be poured in until the pit is thoroughly soaked. Filling of the hole shall then be completed and the fill-in soil shall be packed firmly around the roots, leaving a concave surface for convenient watering 75 mm below rounding and grade elevation. After filling, the planting shall be watered at frequent intervals.
- (f) Planting shall be done during periods suitable to weather conditions and locally accepted practice. All nursery stock shall be set plumb in the centre of pits and at levels as shown on the planting details after settlement has taken place.
- (g) Nursery stock shall be faced to give the best appearance or relationship to adjacent structures and to the approval of the Contract Administrator.

(h) Dispose of wrapping and container material off site.

E17.3.2 Woodchip mulch

(a) Woodchip mulch is to be placed within the proposed planting beds as per the Drawings and E16.

E17.3.3 Cleaning as per D24.

E17.4 Guarantee of Shrub and Perennial Nursery Stock

E17.4.1 The Contractor shall agree and guarantee to replace and replant any nursery stock found dead and/or in poor condition within one (1) year from the date of the Certificate of Total Performance, at the Contractors cost. "Poor condition" shall be interpreted as meaning nursery stock on which branches are dying, or have not shown satisfactory growth of leaves. All replacements plants shall be installed within from the date of notification from the City, unless the City extends the time period, as a result of seasonal or climatic considerations.

(a) Exempted is nursery stock damaged by accidental causes or vandalism, which stock shall be replaced at the cost of the City.

(b) All required replacements shall be by plants of at least the same size and species as specified, and supplied and planted in accordance with the original Drawings and Specifications, and the replaced material shall carry an additional one-year guarantee period. All plants must be in a healthy condition for one full year before the warranty on the year will be considered fulfilled.

E17.5 Method of Measurement and Basis of Payment

E17.5.1 Method of Measurement shall be as follows:

(a) The supply and installation of perennials will be measured on a per unit basis for:
(i) "Supply & install Little Princess Spirea" on Form B: Prices.

E17.5.2 Basis of Payment shall be as follows:

(a) The supply and installation of Plant Material will be paid for at the Contract unit price for each plant, measured as specified herein, which price shall be payment in full including all costs for the plants, one year maintenance, and all other items incidental to the Work included in this Specification.

E18. TIMBER FENCING AND POST BOLLARDS

E18.1 Description

E18.1.1 This specification shall cover the supply and installation of timber fencing and post bollards as shown on the Drawings and specified herein.

E18.1.2 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.

E18.2 Quality Assurance

E18.2.1 Lumber identification: by grade stamp of an agency certified by Canadian Lumber Standards Accreditation Board.

E18.3 Delivery, Storage and Handling

E18.3.1 Deliver, store and handle materials in accordance with manufacturer's written instructions.

E18.3.2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.

E18.3.3 Storage and Handling Requirements:

- (a) Store materials off ground and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
- (b) Replace defective or damaged materials with new.

E18.4 Materials

E18.4.1 Pressure Treated Timbers, Dimension Lumber: To CSA 080, ACQ-C treatment, Green colour, NLGA no. 2 and better. Pine. All wood to be free of defects, any warped, checked or bent materials will be rejected.

E18.4.2 Hardware: to CAD/CSA-G164, for exterior work and acceptable for ACQ treated lumber. All hardware to be hot dipped galvanized, size and type to suit application and as per Drawings.

E18.4.3 Preservative:

- (a) Suitable for exterior applications;
- (b) Clear type to CSA 080;
- (c) Suitable for above ground applications; and
- (d) Suitable for below grade applications.

E18.5 Construction Methods

E18.5.1 Handling and use of treated timber

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

E18.5.2 All work is to be located and installed in accordance with the Drawings.

E18.5.3 Contractor shall confirm proposed location of fencing and post bollards with Contract Administrator prior to fabrication.

E18.5.4 Contractor to verify underground utility locations prior construction and report any discrepancies to the Contract Administrator immediately.

E18.5.5 All wood cuts shall be sanded to remove any burrs.

E18.5.6 Preservative

- (a) Treat in field, cuts and damages to surface of treated material with an appropriate, clear preservative as per CSA 080:
 - (i) Ensure that damaged areas such as abrasions nail and spike holes, are thoroughly saturated;
 - (ii) Treat ends of all fence posts and bollard posts that have been cut;
 - ◆ Where possible orientate cut ends towards grade.
 - (iii) Treat ends of wood rails that have been cut; and
 - (iv) Treat ends of wood boards that have been cut.
- (b) Apply preservative by dipping, or by brush to completely saturate and maintain wet film on surface for minimum 3 minute soak into lumber.
- (c) Re-treat surfaces exposed by cutting, trimming or boring with liberal brush application of preservative before installation.

- E18.5.7 Do all fastening neatly, evenly, and thoroughly. Lag bolts shall be countersunk so as not to protrude above the face of the wood surface.
- E18.5.8 Install all members true to line, levels, and elevations. Set plumb and space uniformly.
- E18.5.9 Build work square, true and accurate to required height, length, and depth with joints closely fitted and properly secured.
- E18.5.10 Use timbers of the longest possible length to minimize joints.
- E18.5.11 Upon completion remove all sawdust, scrap pieces of wood, metal or plastic lumber straps, and all other debris and legally dispose of off-site.
- E18.5.12 Cleaning as per D24.
- E18.6 Method of Measurement and Basis of Payment
- E18.6.1 Method of Measurement shall be as follows:
- (a) The supply and installation of timber fencing shall be measured on a per linear metre basis for:
 - (i) "Supply & install timber fencing" on Form B: Prices
 - (b) The supply and installation of post bollards shall be measured on a per item basis for:
 - (i) "Supply & install post bollards" on Form B: Prices.
- E18.6.2 Basis of Payment shall be as follows:
- (a) Timber Fencing and Post Bollards will be paid for at the Contract Unit Prices. The amount to be paid for shall be the total number of units, as indicated on Form B: Prices. The price shall be full payment for supplying all labour, equipment and materials, and performing all operations herein described and all other items incidental to the Work and as accepted by the Contract Administrator.

E19. SOIL AND SOD

- E19.1 Description
- E19.1.1 This specification shall amend and supplement CW 3510, CW 3520, CW 3540, and SD-243 and cover the supply and installation of new topsoil and sod.
- E19.1.2 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.
- E19.2 Materials
- E19.2.1 All materials supplied under this specification shall be as per CW 3510, CW 3520 and CW 3540.
- E19.3 Construction Methods
- E19.3.1 The Contractor shall install mineral sod and a **minimum** 75 mm compacted thickness of topsoil, as required bringing up level of finished grade as necessary as per SD-243.
- E19.3.2 The Contractor shall install topsoil and sod over all graded areas, including around the perimeter of new play area.
- E19.3.3 Areas to be sodded are to be laid out on Site and approved by the Contract Administrator before commencing Work.
- E19.3.4 Work outside the limit approved by the Contract Administrator will not be measured and will not be paid for under this section but considered incidental to the Work. Such incidental

items that will not be measured include but are not limited to topsoil and sod placed at the edge of new paving. Incidental Site restoration shall conform to the same Specifications.

E19.3.5 Where new sod will meet existing, employ a vertical shearing operation, such as using a sharp spade or edger, along the outside edges of the excavation to create a clean and definite line for the new sod to abut flush to.

E19.3.6 Restoration shall be achieved using topsoil and sod unless otherwise directed by the Contract Administrator.

E19.3.7 Cleaning as per D24.

E19.4 Maintenance Period

E19.4.1 Thirty (30) day maintenance period on sod will commence at Total Performance and acceptance.

E19.5 Method of Measurement and Basis of Payment

E19.5.1 Method of Measurement shall be as follows:

- (a) Soil and Sod will be measured on a square metre basis for:
 - (i) "Supply & install soil and sod" on Form B: Prices.

E19.5.2 Basis of Payment shall be as follows:

- (a) Soil and sod will be paid for at the Contract Unit Prices. The amount to be paid for shall be the total number of units, as indicated on Form B: Prices. This price shall be full payment for supplying all labour, equipment and materials, and performing all operations herein described and all other items incidental to the Work and as accepted by the Contract Administrator.

PLAY EQUIPMENT

E20. PLAY EQUIPMENT

E20.1 This specification shall cover the supply and installation of the Play Equipment in accordance with E1.1 Applicable Specifications and Drawings.

E20.2 The Contractor shall furnish all labour, materials, equipment and services necessary to complete the Work in accordance with E1.1 Applicable Specifications and Drawings.

E20.3 The Contractor shall obtain all approvals, including permit, if required.

E20.4 Play Area:

- (a) Play equipment designed for children ages 2-12 years old. Play equipment shall provide the following play activities:
 - (i) Sensory & Imaginative Play;
 - (ii) Climbing;
 - (iii) Balancing;
 - (iv) Motion; and
 - (v) Sliding.
- (b) The design submission shall be evaluated as per B21.
- (c) For Durham Park – include bilingual park sign panel complete with City of Winnipeg 311 logo. Sign to have the following park name and address: "Parc Durham Park", "57 baie Duluth Bay". Contractor to obtain City of Winnipeg 311 logo from Contract Administrator.
- (d) If a play structure is proposed, it shall include 1 (one) transfer station for access of adult caregiver or reduced mobility access.

E20.5 If colour is a feature of posts, top caps and panels, the Contract Administrator shall have the ability to modify specified colours from the proposed design after Contract Award. If the price of the equipment in the Bid Submission is subject to the colours of the proposed design, this shall be indicated in the Bid Submission.

E20.6 Components which are **unacceptable** are the following:

- (a) Wooden structures;
- (b) Tube (enclosed) slides and enclosed crawl tubes;
- (c) Play panels with many small moving parts;
- (d) Talk Tubes;
- (e) Barrel rollers;
- (f) Dish swings; and
- (g) Large number of plastic components.

E20.7 Components which are generally not accepted but may be considered are the following:

- (a) Cable rides;
- (b) Sand diggers;
- (c) Merry-go-rounds; and
- (d) Tire Swings.

E20.8 Playstructures

E20.8.1 General Description

- (a) If a Play structure is specified, this specification shall cover the supply and installation of it.
- (b) Play equipment shall be installed in the play areas as shown on the attached Drawing. The play equipment and their safety zones should fit into the proposed play areas. Efficiency and good use of space will be considered in the evaluation of submissions.

E20.8.2 Materials

- (a) Posts / Caps
 - (i) All posts shall be a minimum 127 mm (5") O.D. round or 100 mm (4") square tubing for a post and deck structure.
 - (ii) 89 mm (3.5") O.D. round or 73 mm (3") square tubing will be permitted in circumstances where a multi-deck structure has decks of varied heights which are all under 1220 mm (4'-0"), or for structures with 2 decks or less.
 - (iii) All posts shall be fabricated from either aluminum 3 mm (0.125") 11 ga min. wall thickness or galvanized steel 3 mm (0.120") 11 ga min. wall thickness tubing. All fabrication cuts, drill holes and weld joints shall be sprayed with a corrosion resistant coating. The bottom end of the posts is to be sealed with a moisture barrier.
 - (iv) In the case of a deckless structure, a minimum size of 60 mm (2 3/8") O.D. round posts fabricated out of steel or aluminum is acceptable.
 - (v) Top caps shall be made of steel construction and shall be factory installed and secured in place with tamper proof, self-sealing rivets. Plastic top caps will be accepted if made of solid construction (hollow caps not accepted).
 - (vi) If painted colour is a feature of posts and top caps, it shall be a baked-on polyester powder coating. The powder coating finish shall meet or exceed ASTM standards for hardness, adhesion, impact and salt spray resistance.
- (b) Decks (if applicable)

- (i) All decks shall be manufactured from vinyl-coated perforated steel or a steel core composite. Deck heights may vary to a maximum height of 1830 mm (6'-0").
- (c) Clamping System
 - (i) All deck, rail and play component clamping systems shall be fabricated from zinc plated, galvanized steel, stainless steel or aluminum. Tamper proof, corrosion resistant fasteners shall be used to retain clamping systems.
- (d) Handrails, Safety Rails and Handloops (if applicable)
 - (i) All handrails, safety rails and handloops shall be fabricated using a minimum of 24 mm (15/16") O.D. with 3 mm (0.120") 11 ga min. wall thickness steel tubing. After all fabrication activities have occurred including end cuts, drill holes, bends and weld joints, all components shall be hot dipped galvanized.
 - (ii) Smooth all cut edges and weld joints prior to hot dip galvanizing and ensure that all tubing is free from burrs, cracks, defects and other imperfections.
- (e) Hardware
 - (i) All fasteners shall be socketed and tamper proof in design and requiring special tool
 - (ii) Hardware shall either be carbon steel plated with zinc/nickel and iridescent chromate finish or stainless steel.
 - (iii) All necessary hardware shall be provided.
- (f) Poly Components
 - (i) Poly components such as slides and hoods shall be fabricated from U.V. stabilized rotationally moulded linear low-density polyethylene.
 - (ii) Poly components such as play panels shall be fabricated from compression moulded solid colour, U.V. stabilized, high-density polyethylene.
- (g) Slides (if applicable)
 - (i) A minimum of one stainless steel slide is required, north or east orientation is preferred.
- (h) Each play structure shall have kick plates and hand loops as required to meet the current version of the Canadian Standards Association (CSA) Standards.

E20.8.3 Installation

- (a) Play equipment shall be installed as per manufacturer's specifications and in accordance with the most recent Canadian Standards Association Standards.
- (b) All posts and other vertical items shall be plumb and true to vertical, if so designed.
- (c) **One play equipment installer on site, at minimum, must be a valid Canadian Certified Playground Inspector.**
- (d) All decks shall be level, if so designed

E20.9 Independent Components

E20.9.1 General Description

- (a) The Contractor shall furnish all labour, materials, equipment and services necessary to complete the Work according to the specifications.
- (b) This specification shall cover the supply and installation of Independent Components as specified herein.
- (c) Independent Components shall be installed as per the proposed design, as the proposed budget will allow.
- (d) Independent Components shall be installed in the available areas as shown on Drawings. The Components and their safety zones shall fit into the proposed play area.

E20.9.2 Materials

- (a) All materials shall be structurally sound and suitable for safe play. Durability shall be ensured on all parts and materials.
- (b) There shall be a minimum (or no) amount of hollow plastic components. Solid plastic is acceptable.
- (c) There shall be a minimum amount of solid elements which limit visibility through the Site.
- (d) Fasteners
 - (i) All hardware shall be socketed and tamper-proof in design and requiring special tools. It shall be either carbon steel plated with zinc/nickel and iridescent chromate finish or stainless steel. All necessary hardware and tools shall be provided.
- (e) Finishes
 - (i) Finishes shall meet or exceed ASTM standards for hardness, adhesion, impact and salt spray resistance. All fabrication cuts, drill holes and weld joints shall be sprayed with a corrosion resistant coating.
- (f) Slides
 - (i) If an independent slide is proposed, stainless steel is preferred. If other slides are proposed on the Site one may be plastic. North or east orientation preferred. If independent slide over 1220 mm (4'-0") high is proposed, support posts shall be minimum 127 mm (5") O.D.
 - (ii) Tube (enclosed) slides and plastic spiral slides will not be accepted.
- (g) Foundations
 - (i) Shall be as per E21.2.

E20.9.3 Installation

- (a) Independent components shall be installed as per manufacturer's specifications and in accordance with the most recent Canadian Standards Association Standards within the designated play equipment area on the Drawings.
- (b) All posts and other vertical items shall be plumb and true to vertical, if so designed.
- (c) **One play equipment installer on site, at minimum, must be a valid Canadian Certified Playground Inspector.**
- (d) All decks shall be level, if so designed.

E20.10 Cleaning as per **D24**.

E20.11 Method of Measurement and Basis of Payment

E20.11.1 Method of Measurement shall be as follows:

- (a) Play Equipment shall be measured on a lump sum basis for:
 - (i) "Playground Equipment (2-12 years)" on Form B: Prices

E20.11.2 Basis of Payment shall be as follows:

- (a) Play Equipment will be paid for at the Contract Unit Prices. The amount to be paid for shall be the total number of units, as indicated on Form B: Prices. This price shall be full payment for supplying all labour, equipment and materials, and performing all operations herein described and all other items incidental to the Work and as accepted by the Contract Administrator.

E21. SWING SET

E21.1 General Description

- E21.1.1 The Contractor shall furnish all labour, materials, equipment and services necessary to complete the Work according to the specifications.
- E21.1.2 This specification shall cover the supply and installation of minimum one (1) complete swing standard as specified herein:
- (a) Three Leg Heavy Duty Swing Frame, 2440 mm (8'-0") high, 2-Bay, complete with two (2) slash-proof rubber belt seats, heavy-duty chain, swing hangers and hammer locks / bolt links, one (1) slash-proof rubber, enclosed infant seat, heavy-duty chain, swing hangers and hammer locks / bolt links, and one (1) moulded accessible seat for 5-12 years, heavy duty chain, swing hangers and hammer locks / bolt links.
- E21.2 Materials
- E21.2.1 Topbeam
- (a) All topbeams shall be fabricated from **89 mm (3 1/2") O.D. 8 gauge (minimum), RS40 galvanized steel pipe with anti-wrap**. All fabrication cuts, drill holes and weld joints shall be sprayed with a corrosion resistant coating.
- E21.2.2 Legs
- (a) All legs shall be fabricated from 60 mm (2 3/8") O.D. 10 gauge, RS40 galvanized steel pipe. All fabrication cuts, drill holes and weld joints shall be sprayed with a corrosion resistant coating. The bottom end of the posts is to be sealed with a moisture barrier.
- E21.2.3 Yoke Clamps
- (a) All yoke clamps shall be either one piece construction and fabricated from 8 gauge, RS40 galvanized steel pipe or two piece, compression clamping cast aluminium or galvanized metal complete with tamper-proof hardware.
- E21.2.4 Swing Hangers
- (a) All swing hangers shall be fabricated from galvanized malleable iron and have oil impregnated bearings pressed in.
- E21.2.5 Swing Chain
- (a) All swing chain shall be 4/0 straight link, galvanized steel.
- E21.2.6 Enclosed Infant (Bucket) Seats
- (a) All enclosed infant seats shall be moulded of U.V. stabilized, high quality, rubber with a tempered stainless steel reinforcement plate insert moulded inside, rendering the seats slash-proof. Infant seats shall be fully enclosed to prevent slipping out and provide extra lower back support.
- E21.2.7 Moulded Accessible Seats
- (a) All moulded accessible seats shall be moulded of U.V. stabilized, high quality plastic complete with a moulded harness.
- E21.2.8 Belt Seats
- (a) All belt seats shall be moulded of U.V. stabilized, high quality, rubber with a tempered stainless steel reinforcement plate insert moulded inside, rendering the seats slash-proof. The perimeter shall be moulded to form a blunt, impact absorbing edge.
- E21.2.9 Hardware
- (a) All hardware shall be socketed and tamper proof in design, requiring special tools. The fasteners shall be either carbon steel plated with zinc/nickel and iridescent chromate finish or stainless steel.
- E21.2.10 Concrete Foundations
- (a) Post shall be installed into a concrete footing as per E22.

E21.3 Installation

E21.3.1 Installation shall be in accordance with Manufacturers specifications.

E21.3.2 Top rail is to be level and posts securing anchored in concrete.

E21.3.3 Swing seats shall not be installed until the protective surfacing, has been installed.

E21.3.4 **One play equipment installer on site, at minimum, must be a valid Canadian Certified Playground Inspector.**

E21.4 Cleaning as per D24.

E21.5 Method of Measurement and Basis of Payment

E21.5.1 Method of Measurement shall be as follows:

(a) Swing Standard will be measured on a per unit basis for

(i) "Supply & install two bay swing set (1 baby swing, 1 accessible swing, 2 belt swings" on Form B: Prices.

E21.5.2 Basis of Payment shall be as follows:

(a) Swing Standard will be paid for at the Contract Unit Prices. The amount to be paid for shall be the total number of units, as indicated on Form B: Prices. This price shall be full payment for supplying all labour, equipment and materials, and performing all operations herein described and all other items incidental to the Work and as accepted by the Contract Administrator.

E22. FOUNDATIONS

E22.1 General Description

E22.1.1 All playground equipment posts, bases and anchors are to be set in concrete footings or piles to ensure stability and prevent frost heaving. The current Standard Construction Specifications of the City of Winnipeg, CW 2160 – latest revision - Concrete to be used in Underground Works, is to be utilized in the installation of the concrete works for all below ground components.

E22.1.2 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.

E22.2 Materials

E22.2.1 The specific concrete requirements shall be:

- (a) Sulphate resistant, Type 50 Cement;
- (b) 28 day compressive strength of 30 Mpa;
- (c) maximum aggregate size of 20mm, nominal;
- (d) slump 80 +/- 20mm;
- (e) maximum water/cement ratio 0.49.

E22.3 Installation

E22.3.1 All posts and supports shall be centred in 300 mm (12") min. diameter concrete footings, or in accordance with Manufacturer's specifications, whichever is greater, such that there is a complete collar of concrete around each post and support. Where posts are not perfectly centred there shall be a minimum of 50 mm (2") concrete at any point around the post.

E22.3.2 All concrete footings for play equipment shall be a minimum of 914mm (3'-0") depth, or in accordance with Manufacturer's specifications, whichever is greater.

E22.3.3 Cleaning as per D24.

E22.4 Method of Measurement and Basis of Payment

E22.4.1 Method of Measurement shall be as follows:

- (a) No separate measurement for Foundations shall be made for Play Equipment and Swings listed above, and as shown on Form B: Prices, as this item is incidental to the Work herein.
- (b) No separate measurement for Foundations shall be made for Site Furnishings per E15, and as shown on Form B: Prices, as this item is incidental to the Work herein.

E22.4.2 Basis of Payment shall be as follows:

- (a) No additional payment for Foundations shall be made for Play Equipment and Swings listed above, and as shown on Form B: Prices, as this item is incidental to the Work herein.
- (b) No additional payment for foundations shall be made for Site Furnishings per E15, and as shown on Form B: Prices, as this item is incidental to the Work herein.

E23. MAINTENANCE KITS

E23.1 All play equipment shall include the supply of maintenance kits. Maintenance kits shall include maintenance manuals, complete manufacturer's parts lists, touch-up paint, PVC repair paint, 10% extra of each bolt, washer and any other hardware utilized on the play equipment, and all special tools necessary for assembly and maintenance.

E23.2 Maintenance Kits to be handed over to CA at Total Performance.

E23.3 Method of Measurement and Basis of Payment

E23.3.1 Method of Measurement shall be as follows:

- (a) No separate measurement shall be made for Maintenance Kits.

E23.3.2 Basis of Payment shall be as follows:

- (a) No additional payment shall be made for Maintenance Kits.