



THE CITY OF WINNIPEG

BID OPPORTUNITY

BID OPPORTUNITY NO. 760-2011

SIR JOHN FRANKLIN CC – PLAYGROUND REDEVELOPMENT

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PART B - BIDDING PROCEDURES

B1. CONTRACT TITLE

B1.1 SIR JOHN FRANKLIN CC – PLAYGROUND REDEVELOPMENT

B2. SUBMISSION DEADLINE

B2.1 The Submission Deadline is 4:00 p.m. Winnipeg time, **February 16, 2012**.

B2.2 Bids 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 Bidder may view the Site without making an appointment.

B4. ENQUIRIES

B4.1 All enquiries shall be directed to the Contract Administrator identified in D3.1.

B4.2 If the Bidder finds errors, discrepancies or omissions in the Bid Opportunity, or is unsure of the meaning or intent of any provision therein, the Bidder shall notify the Contract Administrator of the error, discrepancy or omission, or request a clarification as to the meaning or intent of the provision at least five (5) Business Days prior to the Submission Deadline.

B4.3 Responses to enquiries which, in the sole judgment of the Contract Administrator, require a correction to or a clarification of the Bid Opportunity will be provided by the Contract Administrator to all Bidders by issuing an addendum.

B4.4 Responses to enquiries which, in the sole judgment of the Contract Administrator, do not require a correction to or a clarification of the Bid Opportunity will be provided by the Contract Administrator only to the Bidder who made the enquiry.

B4.5 The Bidder shall not be entitled to rely on any response or interpretation received pursuant to B4 unless that response or interpretation is provided by the Contract Administrator in writing.

B5. ADDENDA

B5.1 The Contract Administrator may, at any time prior to the Submission Deadline, issue addenda correcting errors, discrepancies or omissions in the Bid Opportunity, or clarifying the meaning or intent of any provision therein.

B5.2 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.

B5.2.1 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>

B5.2.2 The Bidder is responsible for ensuring that he 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.

B5.2.3 The Bidder shall acknowledge receipt of each addendum in Paragraph 8 of Form A: Bid. Failure to acknowledge receipt of an addendum may render a Bid non-responsive.

B6. SUBSTITUTES

- B6.1 The Work is based on the Plant, Materials and methods specified in the Bid Opportunity.
- B6.2 Substitutions shall not be allowed unless application has been made to and prior approval has been granted by the Contract Administrator in writing.
- B6.3 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.
- B6.4 The Bidder shall ensure that any and all requests for approval of a substitute:
- (a) provide sufficient information and details to enable the Contract Administrator to determine the acceptability of the Plant, Material or method as either an approved equal or alternative;
 - (b) identify any and all changes required in the applicable Work, and all changes to any other Work, which would become necessary to accommodate the substitute;
 - (c) identify any anticipated cost or time savings that may be associated with the substitute;
 - (d) certify that, in the case of a request for approval as an approved equal, the substitute will fully perform the functions called for by the general design, be of equal or superior substance to that specified, is suited to the same use and capable of performing the same function as that specified and can be incorporated into the Work, strictly in accordance with the proposed work schedule and the dates specified in the Supplemental Conditions for Substantial Performance and Total Performance;
 - (e) certify that, in the case of a request for approval as an approved alternative, the substitute will adequately perform the functions called for by the general design, be similar in substance to that specified, is suited to the same use and capable of performing the same function as that specified and can be incorporated into the Work, strictly in accordance with the proposed work schedule and the dates specified in the Supplemental Conditions for Substantial Performance and Total Performance.
- B6.5 The Contract Administrator, after assessing the request for approval of a substitute, may in his sole discretion grant approval for the use of a substitute as an “approved equal” or as an “approved alternative”, or may refuse to grant approval of the substitute.
- B6.6 The Contract Administrator will provide a response in writing, at least two (2) Business Days prior to the Submission Deadline, only to the Bidder who requested approval of the substitute.
- B6.6.1 The Bidder requesting and obtaining the approval of a substitute shall be entirely responsible for disseminating information regarding the approval to any person or persons he wishes to inform.
- B6.7 If the Contract Administrator approves a substitute as an “approved equal”, any Bidder may use the approved equal in place of the specified item.
- B6.8 If the Contract Administrator approves a substitute as an “approved alternative”, any Bidder bidding that approved alternative may base his 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 B16.
- B6.9 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.
- B6.10 Notwithstanding B6.2 to B6.9, and in accordance with B7.7, deviations inconsistent with the Bid Opportunity document shall be evaluated in accordance with B16.1(a).

B7. BID COMPONENTS

- B7.1 The Bid shall consist of the following components:

- (a) Form A: Bid;
- (b) Form B: Prices;
- (c) Design Drawings as per B11, and ;
- (d) Component Descriptions as per B12.

B7.2 Further to B7.1, the Bidder should include the written correspondence from the Contract Administrator approving a substitute in accordance with B6.

B7.3 All components of the Bid shall be fully completed or provided, and submitted by the Bidder no later than the Submission Deadline, with all required entries made clearly and completely, to constitute a responsive Bid.

B7.4 The Bid Submission may be submitted by mail, courier or personal delivery, or by facsimile transmission.

B7.5 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 Bidder'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

B7.5.1 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 Bidder's name and address, and an indication that the contents are part of the Bidder's Bid Submission.

B7.6 Bidders are advised not to include any information/literature except as requested in accordance with B7.1.

B7.7 Bidders are advised that inclusion of terms and conditions inconsistent with the Bid Opportunity document, including the General Conditions, will be evaluated in accordance with B16.1(a).

B7.8 If the Bid Submission is submitted by facsimile transmission, it shall be submitted to (204) 949-1178.

B7.8.1 The Bidder is advised that the City cannot take responsibility for the availability of the facsimile machine at any time.

B7.8.2 Bids submitted by internet electronic mail (e-mail) will not be accepted.

B8. BID

B8.1 The Bidder shall complete Form A: Bid, making all required entries.

B8.2 Paragraph 2 of Form A: Bid shall be completed in accordance with the following requirements:

- (a) if the Bidder is a sole proprietor carrying on business in his own name, his name shall be inserted;
- (b) if the Bidder is a partnership, the full name of the partnership shall be inserted;
- (c) if the Bidder is a corporation, the full name of the corporation shall be inserted;
- (d) if the Bidder is carrying on business under a name other than his own, the business name and the name of every partner or corporation who is the owner of such business name shall be inserted.

B8.2.1 If a Bid is submitted jointly by two or more persons, each and all such persons shall identify themselves in accordance with B8.2.

- B8.3 In Paragraph 3 of Form A: Bid, the Bidder shall identify a contact person who is authorized to represent the Bidder for purposes of the Bid.
- B8.4 Paragraph 10 of Form A: Bid shall be signed in accordance with the following requirements:
- (a) if the Bidder is a sole proprietor carrying on business in his own name, it shall be signed by the Bidder;
 - (b) if the Bidder is a partnership, it shall be signed by the partner or partners who have authority to sign for the partnership;
 - (c) if the Bidder is a corporation, it shall be signed by its duly authorized officer or officers;
 - (d) if the Bidder is carrying on business under a name other than his own, it shall be signed by the registered owner of the business name, or by the registered owner's authorized officials if the owner is a partnership or a corporation.
- B8.4.1 The name and official capacity of all individuals signing Form A: Bid should be printed below such signatures.
- B8.4.2 All signatures shall be original.
- B8.5 If a Bid is submitted jointly by two or more persons, the word "Bidder" shall mean each and all such persons, and the undertakings, covenants and obligations of such joint Bidders in the Bid and the Contract, when awarded, shall be both joint and several.

B9. PRICES

- B9.1 The Bidder shall state a price in Canadian funds for each item of the Work identified on Form B: Prices.
- B9.1.1 Notwithstanding C12.2.3(c), prices on Form B: Prices shall not include the Manitoba Retail Sales Tax (MRST, also known as PST), which shall be extra where applicable.
- B9.2 The quantities listed on Form B: Prices are to be considered approximate only. The City will use said quantities for the purpose of comparing Bids.
- B9.3 The Bidder must complete the Approximate Quantity column for Items 4, 5, 7, 8, and 9 on Form B: Prices. These quantities are dependent on the proposed design as submitted.**
- B9.4 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.
- B9.5 Payments to Non-Resident Contractors are subject to Non-Resident Withholding Tax pursuant to the Income Tax Act (Canada).

B10. QUALIFICATION

- B10.1 The Bidder shall:
- (a) undertake to be in good standing under The Corporations Act (Manitoba), or properly registered under The Business Names Registration Act (Manitoba), or otherwise properly registered, licensed or permitted by law to carry on business in Manitoba; and
 - (b) be financially capable of carrying out the terms of the Contract; and
 - (c) have all the necessary experience, capital, organization, and equipment to perform the Work in strict accordance with the terms and provisions of the Contract.
- B10.2 The Bidder and any proposed Subcontractor (for the portion of the Work proposed to be subcontracted to them) shall:
- (a) be responsible and not be suspended, debarred or in default of any obligations to the City. A list of suspended or debarred individuals and companies is available on the Information

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

- B10.3 The Bidder and/or any proposed Subcontractor (for the portion of the Work proposed to be subcontracted to them) shall:
- (a) have successfully carried out work similar in nature, scope and value to the Work; and
 - (b) be fully capable of performing the Work required to be in strict accordance with the terms and provisions of the Contract; and
 - (c) have a written workplace safety and health program if required pursuant to The Workplace Safety and Health Act (Manitoba);
- B10.4 The Bidder shall submit, within three (3) Business Days of a request by the Contract Administrator, proof satisfactory to the Contract Administrator of the qualifications of the Bidder and of any proposed Subcontractor.
- B10.5 The Bidder shall provide, on the request of the Contract Administrator, full access to any of the Bidder's equipment and facilities to confirm, to the Contract Administrator's satisfaction, that the Bidder's equipment and facilities are adequate to perform the Work.

B11. DESIGN DRAWINGS

- B11.1 The Bidder shall submit drawings that illustrate the proposed design and play equipment, such as plan, perspective and any other submissions to illustrate the design intent. Additional drawings may be requested prior to award for more detailed information.

B12. COMPONENT DESCRIPTION

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

B13. OPENING OF BIDS AND RELEASE OF INFORMATION

- B13.1 Bids will not be opened publicly.
- B13.2 Following the submission deadline, the names of the Bidders and their Total Bid Prices (unevaluated, and pending review and verification of conformance with requirements) will be available on the 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/bidopp.asp>
- B13.3 After award of Contract, the name(s) of the successful Bidder(s) and the Contract amount(s) 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>
- B13.4 The Bidder is advised that any information contained in any Bid may be released if required by City policy or procedures, by The Freedom of Information and Protection of Privacy Act (Manitoba), by other authorities having jurisdiction, or by law.

B14. IRREVOCABLE BID

- B14.1 The Bid(s) submitted by the Bidder shall be irrevocable for the time period specified in Paragraph 9 of Form A: Bid.
- B14.2 The acceptance by the City of any Bid shall not release the Bids of the next two lowest evaluated responsive Bidders and these Bidders shall be bound by their Bids on such Work for the time period specified in Paragraph 9 of Form A: Bid.

B15. WITHDRAWAL OF BIDS

- B15.1 A Bidder may withdraw his Bid without penalty by giving written notice to the Manager of Materials at any time prior to the Submission Deadline.
- B15.1.1 Notwithstanding C23.3, the time and date of receipt of any notice withdrawing a Bid shall be the time and date of receipt as determined by the Manager of Materials.
- B15.1.2 The City will assume that any one of the contact persons named in Paragraph 3 of Form A: Bid or the Bidder's authorized representatives named in Paragraph 10 of Form A: Bid, and only such person, has authority to give notice of withdrawal.
- B15.1.3 If a Bidder gives notice of withdrawal prior to the Submission Deadline, the Manager of Materials will:
- (a) retain the Bid until after the Submission Deadline has elapsed;
 - (b) open the Bid to identify the contact person named in Paragraph 3 of Form A: Bid and the Bidder's authorized representatives named in Paragraph 10 of Form A: Bid; and
 - (c) if the notice has been given by any one of the persons specified in B15.1.3(b), declare the Bid withdrawn.
- B15.2 A Bidder who withdraws his Bid after the Submission Deadline but before his Bid has been released or has lapsed as provided for in B14.2 shall be liable for such damages as are imposed upon the Bidder 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.

B16. EVALUATION OF BIDS

- B16.1 Award of the Contract shall be based on the following bid evaluation criteria:
- (a) compliance by the Bidder with the requirements of the Bid Opportunity or acceptable deviation there from (pass/fail);
 - (b) qualifications of the Bidder and the Subcontractors, if any, pursuant to B10 (pass/fail);
 - (c) Total Bid Price; (10 points) pursuant to B11;
 - (d) Design Drawings/Component Descriptions (90 points) pursuant to B11;
 - (e) economic analysis of any approved alternative pursuant to B6.
- B16.2 Further to B16.1(a), the Award Authority may reject a Bid as being non-responsive if the Bid is incomplete, obscure or conditional, or contains additions, deletions, alterations or other irregularities. The Award Authority may reject all or any part of any Bid, or waive technical requirements or minor informalities or irregularities, if the interests of the City so require.
- B16.3 Further to B16.1(b), the Award Authority shall reject any Bid submitted by a Bidder who does not demonstrate, in his Bid or in other information required to be submitted, that he is responsible and qualified.
- B16.4 Further to B16.1(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.
- B16.4.1 If there is any discrepancy between the Total Bid Price written in figures, the Total Bid Price written in words and the sum of the quantities multiplied by the unit prices for each item, the sum of the quantities multiplied by the unit prices for each item shall take precedence.
- B16.4.2 Further to B16.1(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.
- B16.4.3 Further to B14.1(c) the Award Authority may reject a Bid as being non-responsive if it exceeds the budget as shown on Form B: Prices.

- B16.4.4 The Total Bid Price shall be evaluated with a weighting of 10 points out of a total of 100 possible points. As such, the lowest Bidder shall receive the full 10 points, and the second lowest Bidder and subsequent Bidders shall be pro-rated accordingly.
- B16.5 Further to B16.1(d). Play Areas shall be evaluated with a weighting of 90 points out of a total of 100 possible points. Play Areas will be evaluated considering the Bidder's Bid Submission and any other information required.
- B16.5.1 The Design shall be evaluated on the following criteria:
- (a) compliance with CSA Standards (pass/fail);
 - (b) play value (maximum 40 points):
 - (i) 8 points – Sensory/ Imaginative Play component(s), including fine motor skills;
 - (ii) 15 points – Climbing Component(s);
 - (iii) 8 points – Motion Component(s);
 - (iv) 4 points – Sliding Component(s);
 - (v) 5 points - Provides opportunities for appropriate social / interpersonal interaction and cooperative play;
 - (c) Designed for inclusive play using Universal Design principles – (maximum 10 points):
 - (i) Complies with section 4.5.4 of the 2006 City of Winnipeg Accessibility Design Standards (www.winnipeg.ca/ppd/UD/default.stm)(pass/fail);
 - (ii) 5 points - Layout of the play area for integration of wheelchair accessible components to promote inclusive play;
 - (iii) 5 points – Provision of tactile and auditory play experiences.
 - (d) Layout/circulation (maximum 30 points):
 - (i) 10 points - Efficient use of space within and between play elements;
 - (ii) 8 points - Flow and relationship between play area activities;
 - (iii) 4 points - Layout / orientation of components on Site and in relation to park entrances and seating areas;
 - (iv) 4 points - Orientation to provide good visibility to play area from the adjacent road;
 - (v) 4 points - Slide orientation (metal facing north).
 - (e) Durability (maximum 10 points):
 - (i) Use of durable / temper-resistant materials, low maintenance finishes and connector systems & ease of repair / replacement of the products used with the playground area.
- B16.6 Further to B16.5.1(a), if Contractor states play equipment components are compliant with CSA Standards which are not, liquidated damages shall be charged as per D14, should this result in additional design and/or meeting time on the part of the Contract Administrator.

B17. AWARD OF CONTRACT

- B17.1 The City will give notice of the award of the Contract or will give notice that no award will be made.
- B17.2 The City will have no obligation to award a Contract to a Bidder, even though one or all of the Bidders are determined to be responsible and qualified, and the Bids are determined to be responsive.
- B17.2.1 Without limiting the generality of B17.2, 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 Bid is received; or
- (e) in the judgment of the Award Authority, the interests of the City would best be served by not awarding a Contract.

B17.3 Where an award of Contract is made by the City, the award shall be made to the responsible and qualified Bidder submitting the lowest evaluated responsive Bid, in accordance with B16.

B17.3.1 Following the award of contract, a Bidder will be provided with information related to the evaluation of his Bid upon written request to the Contract Administrator.

B17.4 Notwithstanding C4, the City will issue a Purchase Order to the successful Bidder in lieu of the execution of a Contract.

B17.5 The Contract, as defined in C1.1, in its entirety shall be deemed to be incorporated in and to form a part of the Purchase Order notwithstanding that it is not necessarily attached to or accompany said Purchase Order.

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 Bid Opportunity to a section, clause or subclause with the prefix “**C**” designates a section, clause or subclause in the *General Conditions for Construction*.

PART D - SUPPLEMENTAL CONDITIONS

GENERAL

D1. GENERAL CONDITIONS

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

D2. SCOPE OF WORK

D2.1 The Work to be done under the Contract shall consist of the supply and installation of Play Equipment at Sir John Franklin Community Club.

D2.2 The major components of the Work are as follows:

- (a) Excavation and removal of existing pea gravel and sod;
- (b) Supply and installation of new play equipment;
- (c) Supply and installation of timber edging, drainage layer and safety surfacing;
- (d) Supply and installation of accessibility ramp, and limestone paving;
- (e) Supply and installation of topsoil and sod;
- (f) Supply and installation of chain link fencing;
- (g) Installation only of benches and picnic table.

D3. CONTRACT ADMINISTRATOR

D3.1 The Contract Administrator is Ken Rech Landscape Architects Inc., represented by:

Ken Rech
Landscape Architect
1480 Wellington Crescent, Winnipeg, Mb. R3N 0B3
Telephone No. (204) 489-6616
E-mail. kenrech@mts.net

D3.2 At the pre-construction meeting, Ken Rech will identify additional personnel representing the Contract Administrator and their respective roles and responsibilities for the Work.

D4. CONTRACTOR'S SUPERVISOR

D4.1 At the pre-construction meeting, the Contractor shall identify his designated supervisor and any additional personnel representing the Contractor and their respective roles and responsibilities for the Work.

D5. NOTICES

D5.1 Except as provided for in C23.2.2, all notices, requests, nominations, proposals, consents, approvals, statements, authorizations, documents or other communications to the Contractor shall be sent to the address or facsimile number identified by the Contractor in Paragraph 2 of Form A: Bid.

D5.2 All notices, requests, nominations, proposals, consents, approvals, statements, authorizations, documents or other communications to the City, except as expressly otherwise required in D5.3, D5.4 or elsewhere in the Contract, shall be sent to the attention of the Contract Administrator at the address or facsimile number identified in D3.1.

- D5.3 Notwithstanding C21., all notices of appeal to the Chief Administrative Officer shall be sent to the attention of the Chief Financial Officer at the following facsimile number:
- The City of Winnipeg
Chief Financial Officer
Facsimile No.: (204) 949-1174
- D5.4 All notices, requests, nominations, proposals, consents, approvals, statements, authorizations, documents or other communications required to be submitted or returned to the City Solicitor shall be sent to the following address or facsimile number:
- The City of Winnipeg
Legal Services Department
Attn: Director of Legal Services
185 King Street, 3rd Floor
Winnipeg MB R3B 1J1
Facsimile No.: (204) 947-9155

SUBMISSIONS

D6. AUTHORITY TO CARRY ON BUSINESS

- D6.1 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.

D7. SAFE WORK PLAN

- D7.1 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.
- D7.2 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>

D8. INSURANCE

- D8.1 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 and Ken Rech Landscape Architects Inc. added as an additional insured, with a cross-liability clause, such liability policy to also contain contractual liability, unlicensed motor vehicle liability, non-owned automobile liability and products and completed operations, to remain in place at all times during the performance of the Work and throughout the warranty period;
 - (b) automobile liability insurance for owned automobiles used for or in connection with the Work in the amount of at least two million dollars (\$2,000,000.00) at all times during the performance of the Work and until the date of Total Performance;
 - (c) all risks installation floater, carrying adequate limits to cover all machinery, equipment, supplies and/or materials intended to enter into and form part of any installation.
- D8.2 Deductibles shall be borne by the Contractor.

D8.3 The Contractor shall provide the Contract Administrator with a certificate(s) of insurance, in a form satisfactory to the City Solicitor, at least two (2) Business Days prior to the commencement of any Work but in no event later than seven (7) Calendar Days from notification of the award of Contract by Purchase Order.

D8.4 The Contractor shall not cancel, materially alter, or cause each policy to lapse without providing at least thirty (30) Calendar Days prior written notice to the Contract Administrator.

D9. SUBCONTRACTOR LIST

D9.1 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 seven (7) Calendar Days from notification of the award of Contract.

D10. DETAILED WORK SCHEDULE

D10.1 The Contractor shall provide the Contract Administrator with a detailed work schedule at least two (2) business days prior to the commencement of any work on the Site but in no event later than the date specified in C 4.1 for the return of the executed contract.

D10.2 Detailed Work Schedule shall consist of the following dates:

- (a) Start date;
- (b) Excavation & disposal;
- (c) Installation of timber edging, safety surfacing and sub-surface drainage;
- (d) Installation of play equipment;
- (e) Installation of soil and sod;
- (f) Installation of chain link fencing
- (g) Installation of gravel walkways and
- (h) Expected completion.

D10.3 Other milestone dates appropriate to this project should also be included to make the Contract Administrator Aware of them.

SCHEDULE OF WORK

D11. COMMENCEMENT

D11.1 The Contractor shall not commence any Work until he is in receipt of a Purchase Order from the Award Authority authorizing the commencement of the Work.

D11.2 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 D6;
 - (ii) evidence of the workers compensation coverage specified in C6.15;
 - (iii) the Safe Work Plan specified in D7;
 - (iv) evidence of the insurance specified in D8;
 - (v) the Subcontractor list specified in D9; and
 - (vi) the Detailed Work Schedule specified in D10.
- (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.

D11.3 The Contractor shall order the play equipment and submit this information to the Contract Administrator within seven (7) Working Days of receipt of the Purchase Order.

D11.4 The Contractor shall commence Work on the Site by no later than May 29, 2012.

D11.5 The City intends to award this Contract by March 30, 2012.

D12. SUBSTANTIAL PERFORMANCE

D12.1 The Contractor shall achieve Substantial Performance by June 18, 2012.

D12.2 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.

D12.3 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.

D13. TOTAL PERFORMANCE

D13.1 The Contractor shall achieve Total Performance by June 22, 2012.

D13.2 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.

D13.3 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.

D14. LIQUIDATED DAMAGES

D14.1 If the Contractor fails to achieve Substantial Performance in accordance with the Contract by the day fixed herein for Substantial Performance, the Contractor shall pay the City five hundred dollars (\$500) per Calendar Day for each and every Calendar Day following the day fixed herein for Substantial Performance during which such failure continues.

D14.2 The amount specified for liquidated damages in D14.1 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.

D14.3 The City may reduce any payment to the Contractor by the amount of any liquidated damages assessed.

D14.1 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) per Calendar Day for each and every Calendar Day following the day fixed herein for Total Performance during which such failure continues.

D14.2 The amount specified for liquidated damages in D14.1 is based on a genuine pre-estimate of the City's damages in the event that the Contractor does not achieve Total Performance by the day fixed herein for same.

D14.3 The City may reduce any payment to the Contractor by the amount of any liquidated damages assessed.

D15. SCHEDULED MAINTENANCE

- D15.1 The Contractor shall perform the following scheduled maintenance in the manner and within the time periods required by the Specifications:
- (a) Topsoil and Sod as specified in E9;
- D15.2 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

D16. JOB MEETINGS

- D16.1 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.
- D16.2 The Contract Administrator reserves the right to cancel any job meeting or call additional job meetings whenever he deems it necessary.

D17. PRIME CONTRACTOR – THE WORKPLACE SAFETY AND HEALTH ACT (MANITOBA)

- D17.1 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).

MEASUREMENT AND PAYMENT

D18. PAYMENT

- D18.1 Further to C12, the City may at its option pay the Contractor by direct deposit to the Contractor's banking institution.

WARRANTY

D19. WARRANTY

- D19.1 Warranty is as stated in C13.
- D19.1 Notwithstanding C13.2, the warranty period shall begin on the date of Total Performance and shall expire one (1) year thereafter except where longer periods are specified in the respective Specification sections, unless extended pursuant to C13.2.1 or C13.2.2, in which case it shall expire when provided for thereunder.
- D19.1.1 For the purpose of Performance Security, the warranty period shall be one (1) year.

D20. EXISTING SERVICES AND UTILITIES

- D20.1 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.

D21. ACCESS TO SITE

- D21.1 Access to the Site as required by the Contractor shall be provided and maintained by the Contractor at his own expense and approved by the Contract Administrator.
- D21.2 The Contractor is responsible to correcting all Site damage as a result of their operations, or accessing the Site at no further cost to the City. All repairs must be done to pre construction conditions.
- D21.3 The Contractor's operations shall be limited to the minimum area necessary for undertaking the Work and he shall be responsible for all damage resulting from his Work on private property.

D22. PERMITS, NOTICES, LICENSES, CERTIFICATES, LAWS AND RULES

- D22.1 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.
- D22.2 The Contractor shall comply with all laws, ordinances, rules and regulations that would relate to the Work.
- D22.3 All notices, consents, approvals, statements, authorizations, documents or other communications to the City shall be submitted to the Contract Administrator.
- D22.4 All Work shall be performed in compliance with the Manitoba Workplace Health and Safety Act.
- D22.5 All Work shall be performed in compliance with the Manitoba Workplace Health and Safety Fall Protection guidelines.
- D22.6 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.

D23. DAMAGE TO EXISTING STRUCTURES, TREES AND PROPERTY

- D23.1 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.
- D23.2 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) The Contractor shall install a construction fence around the work side of the existing trees as shown on drawing detail 1-L1.
- (d) 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.
- (e) 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.

D23.3 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.

D23.4 No separate measurement or payment will be made for the protection of trees.

D24. SITE RESTORATION

D24.1 Total Performance of the Work shall not be attained until the Contractor has cleaned up the Site and has removed all tools, equipment, waste, debris and surplus foundation earth to the satisfaction of the Contract Administrator. Unless otherwise specified, the Contractor shall restore all areas of the Site beyond the established limit of Work, which have been disturbed by the Contractor's operations to as good as or better than the original condition to the satisfaction of the Contract Administrator. The Contractor shall pay all costs associated with this Work.

D25. PEDESTRIAN SAFETY AND TRAFFIC MANAGEMENT

D25.1 Further to CW 1130-R1, 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 is Working near them. Any damage caused by the negligence of the Contractor or his Sub-Contractors to the adjacent Works or properties, shall be promptly repaired by him at his own expense, to the satisfaction of the Contract Administrator.

D25.2 Ambulance/ Emergency vehicle access must be maintained at all times.

D26. PROTECTION OF THE SURVEY INFRASTRUCTURE

D26.1 Notwithstanding clause 4 "Protection of Survey Bars" of the Standard Provisions; Current legislation, The Surveys Act, places the onus on those undertaking construction to protect the Survey Infrastructure from damage as a result of their activity.

D26.2 Further to C:6.26 (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 986-4826 (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.

D26.3 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.

D26.4 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. An approximate estimate of the costs involved to restore a legal survey monument is \$1,000 per bar and \$3,000 per control monument. Contractors must ensure their landscaping and other subcontractors are aware of this clearance procedure and the potential restoration costs.

D26.5 Where possible, amounts owed to the City in accordance with the above will be deducted from any payments to be made by the City to the Contractor.

D27. SITE ENCLOSURES

D27.1 Temporary Site enclosures, The Contractor must fence off the Work area with a bright orange safety fence, securely staked to keep the fence in an upright position. This fence shall be installed at the commencement of construction and be maintained until the safety surfacing and topsoil and sod has been installed.

D27.2 Site enclosures shall be considered incidental to the Contract Work.

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>
L1	Existing Site Plan and Demolition
L2	Proposed Site Plan Concept
L3	Miscellaneous Details
L4	Existing Site Photos
SCD-119	Waste Receptacle Metal Slat Type
SCD- 121A	Tache Bench Composite with Arms
SCD-122A	Tache Style Wheelchair Metal Frame Picnic Table
SCD 650a	Woof Fibre Safety Surfacing Drainage Diagram (Note: Use Multi-Flow Piping)
SCD 651b	Pedra Timber Edging Detail (Note: substitute Pedra wood with composite wood)
SCD- 651F	Double Timber Edging Detail w/ Composite Cap
SCD-656	Accessible Playground Ramp

E2. EXCAVATION

- E2.1 General Description
- E2.1.1 This specification shall cover the excavation and legal disposal of pea gravel safety surfacing from old play areas to accommodate new topsoil and sod, as well as excavation for new play equipment area. It shall amend and supplement CW 3110-R11 and CW 3170. It shall also cover the provision of rough grading to ensure play equipment area will meet CSA standards for surfacing depth, play equipment areas will drain, and to ensure the newly sodded areas will drain.
- E2.1.2 The Contractor must ensure that the rough grading does not create tripping hazards and no areas of standing water remain.
- E2.1.3 All extraneous materials are to be removed from the Site and disposed of in a safe and legal manner. The Work to be done by the Contractor under this specification shall include all labour, equipment and material necessary for and incidental to the satisfactory performance and completion of the Work herein specified.
- E2.1.4 Work shall include but not be limited to the following:
- Excavate, add clean fill if necessary, and rough grade excess soil to the limits shown on Drawings to the depths necessary to achieve finish grade for:
 - Subsurface drainage and adequate safety surfacing.
 - Remove the existing sod shown within the limit of new sod and grading to a 75 mm depth below the new finish grade elevations.

- (iii) Remove the existing pea gravel safety surfacing to the full depth of the pea gravel.

E2.2 Construction Methods

- E2.2.1 Excavation includes the removal of items (i.e., pea gravel, sand, earth) 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.
- E2.2.2 Do not disturb adjacent items designated to remain in place.
- E2.2.3 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.
- E2.2.4 Contractor must coordinate with the Contract Administrator to ensure all removals have occurred.
- E2.2.5 Excavation should be coordinated with the installation of play equipment, surfacing and sodding so as not to leave open excavation areas subject to ponding water.
- E2.2.6 Where fill is required to bring the subgrade up to the proper subgrade elevation use compacted clay fill, sloped to match the finish grade elevations. Fill below newly sodded areas shall be installed to a 75 mm depth below finish grade elevations and fill below wood fibre areas shall be installed to a 300 mm depth below finish grade elevations.

E2.3 Method of Measurement and Basis of Payment

- E2.3.1 Method of Measurement shall be as follows:
 - (a) Rough Grading, excavation and grading shall be measured on a lump sum basis for:
 - (i) Item 1: "Rough Grading and excavate and legally dispose existing pea gravel and sod surface for new play area" on Form B: Prices.
 - (b) Basis of Payment shall be as follows:
 - (c) Rough Grading, excavation and grading will be paid for on a Lump Sum Basis on Form B: Prices. The amount to be paid for 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.

E3. PLAY EQUIPMENT

- E3.1 This specification shall cover the supply and installation of the Play Equipment as listed below and specified herein.
- E3.2 The Contractor shall furnish all labour, materials, equipment and services necessary to complete the Work according to the drawings and specifications.
- E3.3 The Contractor shall obtain all approvals including permit if required
- E3.4 Play Area:
 - (a) Play equipment to be designed for children ages 2-12
 - (b) The play equipment shall be laid out to maximize the access route from the parking lot to the swimming pool and interior park area. The timber layout shown on drawing detail 2-L1 is Conceptual only and is intended to show the maximum Site area for the play equipment (approx. 296 square metres. The Bidder shall also try and maximize the distance between the swimming pool apron/fence and the timber edging, but not at the expense of diminishing the amount of play equipment components or value.
 - (c) No play equipment should be located north of the proposed swing area which is intended as a grass picnic area.

- (d) There is no overall theme for the play area, and Bidders are free to choose their own theme if desired.
- (e) The submissions should take into account that private residential yards are located immediately to the west of the Site, and as such, should try and minimize any tall components whereby multiple children can easily stand and view into the residential yards. The use of brightly coloured roofs or hoods should be avoided, so as not to create a large mass of colour which might be offensive to the adjoining neighbourhood views from their residences/yards. The use of brightly coloured components of smaller mass ie. posts, clamps, nets, are encouraged.
- (f) The design submission shall be evaluated as per B16.
- (g) The preference is for sliding, climbing, and motion components as the space allows for 2 – 12 year olds. Components should focus on physical activity and challenge..
- (h) Proposal may include independent components not requiring safety surfacing, outside of main play areas.

E3.5 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 must be indicated in the Bid Submission.

E3.6 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; and
- (f) Large number of plastic components.
- (g) Brightly coloured hoods or roofs

E3.7 Components which are generally not accepted but may be considered are the following:

- (a) Cable rides;
- (b) Sand diggers;
- (c) Lightly coloured hoods or roofs.

E3.8 Playstructure Equipment

E3.8.1 General Description

- (a) Play equipment shall be installed in the play areas as shown on the attached Drawing 2-L1. The play equipment and their safety zones should fit into the proposed play areas as shown on Drawing 1-L2. Efficiency and good use of space will be considered in the evaluation of submissions, particularly layouts which allow a maximum of access from the parking lot entrance to the general wading pool area and north picnic area.

E3.8.2 Materials

- (a) Posts / Caps
 - (i) All posts shall be a minimum 5" O.D. round or 4" square tubing.
 - (ii) 3.5 " O.D. round or 3.0" square tubing will be permitted in circumstances where a multi-deck structure has decks of varied heights which are all under 4', or for structures with 2 decks or less.
 - (iii) All posts shall be fabricated from either aluminum (0.125" min. wall thickness) or galvanized steel (0.120" 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) 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).
 - (v) 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 6'.
 - (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 hand-loops shall be fabricated using a minimum of 15/16" (24mm) O.D. with a .120" 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 either carbon steel plated with zinc/nickel and iridescent chromate finish or stainless steel.
 - (ii) 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 molded linear low-density polyethylene.
 - (ii) Poly components such as play panels shall be fabricated from compression molded solid colour, U.V. stabilized, high-density polyethylene.
 - (g) Slides (if applicable)
 - (i) Stainless steel is preferred for slide beds, although a plastic slide may be used if there is also a steel slide on the other side. North or east orientation preferred.
 - (h) Each playstructure shall have kick plates and hand loops as required to meet the most recent Canadian Standards Association Standards.
- (b) 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) All decks shall be level, if so designed.

E3.9 Independent Components

E3.9.1 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 may be installed as the proposed budget will allow. A minimum of one motion independent is encouraged to be included in the Submission.

E3.9.2 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 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 for stainless steel slides. If independent slide over 4' high is proposed, support posts must be minimum 5"O.D.
 - (ii) Tube (enclosed) slides and plastic spiral slides will not be accepted.

E3.10 Method of Measurement and Basis of Payment

E3.10.1 Method of Measurement shall be as follows:

- (a) Play Equipment shall be measured on a lump sum basis for:
 - (i) Item 2: "Supply and Install New Play Equipment" on Form B: Prices.

E3.10.2 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 including any independents, 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.

E4. SWING SET

E4.1 General Description

E4.1.1 The Contractor shall furnish all labour, materials, equipment and services necessary to complete the Work according to the specifications.

E4.1.2 The Contractor is made aware of the site limitations for installing the swing between the existing chain link fence and the existing trees as shown on drawing 1-L2.

E4.1.3 This specification shall cover the supply and installation of one (1) complete swing standards as specified herein:. Swing may be three leg or Arch leg.

- (a) One (1), Three Leg Heavy Duty Swing Frame, 2.4m (8ft.) high, 2-Bay, complete with Two (2) slash-proof rubber, enclosed baby seats, and Two (2) slash-proof rubber belt seats. Heavy-duty chain, swing hangers and hammer locks / bolt links.

E4.2 Materials

- E4.2.1 Topbeam
- (a) All topbeams shall be fabricated from 3 1/2" O.D. 7 gauge, RS40 galvanized steel pipe OR 2 3/8" O.D. 5 gauge, RS40 galvanized steel pipe with anti-wrap swings. All fabrication cuts, drill holes and weld joints shall be sprayed with a corrosion resistant coating.
- E4.2.2 Legs
- (a) All legs shall be fabricated from 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.
- E4.2.3 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 aluminum or galvanized metal complete with tamper-proof hardware.
- E4.2.4 Swing Hangers
- (a) All swing hangers shall be fabricated from galvanized malleable iron and have oil impregnated bearings pressed in.
- E4.2.5 Swing Chain
- (a) All swing chain shall be 4/0 straight link, galvanized steel.
- E4.2.6 Enclosed Baby (Bucket) Seats
- (a) All enclosed baby seats shall be moulded of U.V. stabilized, high quality, rubber with a tempered stainless steel reinforcement plate insert moulded inside, rendering the seats slashproof. Baby seats shall be fully enclosed to prevent slipping out and provide extra lower back support.
- E4.2.7 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 slashproof. The perimeter shall be moulded to form a blunt, impact absorbing edge.
- E4.2.8 Hardware
- (a) All fasteners shall be 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.
- E4.2.9 Concrete Foundations
- (a) Post shall be installed into a concrete footing the composition of which is detailed in E5.
- E4.3 Installation
- E4.3.1 Installation shall be in accordance with Manufacturers specifications.
- E4.3.2 Top rail is to be level and posts securing anchored in concrete.
- E4.3.3 Swing seats shall not be installed until the protective surfacing (in accordance with E8) has been installed
- E4.4 Method of Measurement and Basis of Payment
- E4.4.1 Method of Measurement shall be as follows:
- (a) Swing Standard will be measured on a per unit basis for:
 - (i) Item 3: "Supply and Install New 2-Bay Swing (2 belts and 2 baby seats) on Form B: Prices.
- E4.4.2 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.

E5. FOUNDATIONS

E5.1 General Description

- E5.1.1 All playground equipment posts, bases and anchors are to be set in concrete footings or piles to ensure stability and prevent frost heaving. An alternative to concrete footings or piles that may be approved includes a welded and secured rail mounting system. 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.

E5.2 Materials

- E5.2.1 The specific concrete requirements shall be:
- (a) Sulfate 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.

E5.3 Installation

- E5.3.1 All posts and supports shall be centred in the concrete footing such that there is a complete collar of concrete around each post and support. Where posts are not perfectly centred there should be a minimum of 2" concrete at any point around the post.
- E5.3.2 All concrete footings for play equipment shall be a minimum of 3' depth, or in accordance with Manufacturer's specifications, whichever is greater.

E5.4 Method of Measurement and Basis of Payment

- E5.4.1 Method of Measurement shall be as follows:
- (a) Foundations shall be incidental to the measurement of Play Equipment listed above and as shown on Form B: Prices.
- E5.4.2 Basis of Payment shall be as follows:
- (a) No separate payment shall be made for play equipment foundations.

E6. MAINTENANCE KITS

- E6.1 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.
- E6.2 There shall be no payment for the maintenance kits.

E7. TIMBER EDGING

E7.1 General Description

- E7.1.1 The Contractor shall furnish all labour, materials, equipment and services necessary to complete the Work according to the drawings and specifications.

- E7.1.2 This specification shall cover the supply and installation of 2-tier timber edging to contain the wood fibre safety surfacing as per Drawing SCD 651F and Drawing SCD-651-b and as shown on Drawing 1-L2. The Work will involve a 2 tier timber edging fastened to the existing chain link fence, on two sides of the play structure area, and the balance will be located in the open sodded areas or adjoining gravel paved walkways. This section will also cover the supply and installation of an accessible ramp as per Drawing SCD-656 (Note: change Pedra cap reference on drawing to Composite wood).
- E7.1.3 The accessible ramp location and shape as shown on drawing 1-L2 is conceptual only and the Contractor may provide their own location and shape for this element.
- E7.1.4 The timber edging around the play equipment shall be butted tight to the south and west chain link fencing. The timber edging located on the north and east side of the play equipment is shown conceptually only and the Contractor may provide their own shape and layout for this timber edging. The City does not want to install narrow strips of sod between the proposed gravel paving and play equipment timber edge. If the timber edge layout is made smaller than shown on the drawings, the gravel paving shall be enlarged to extend to the new timber edge location.
- E7.2 Materials and Method
- E7.2.1 Cap shall be Composite and solid such as Trex or substitute in accordance with B6, and shall not be treated. Colour of capping shall be natural grey or light tan colour. Top edges of all exposed timbers shall have an 8mm (45°) chamfer. Where any attached drawings refer to Pedra Capping, substitute the member with solid composite material. The composite cap shall be pre-drilled and screwed with two parallel screws at each end of the timber and at 600mm O.C. Tops of holes shall be tapered if required to allow for countersinking of all screw heads. All screws for securing cap to the pressure treated timber below shall be stainless steel, min. 50 mm length. Screw heads shall be countersunk the minimum necessary so as not to protrude above the cap, but not so deep as to hold water.
- E7.2.2 All wood for the bottom 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 150 x 150mm with full length timbers used whenever possible, and a minimum length of 1200mm. All ends and cuts shall be treated with preservative before being secured.
- E7.2.3 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.
- E7.2.4 Turf shall be repaired as required around edging in accordance with City of Winnipeg Standard Specifications for Topsoil and Sodding.
- E7.3 Method of Measurement and Basis of Payment
- E7.3.1 Method of Measurement shall be as follows:
- (a) Edging will be measured on a linear metre basis for:
 - (i) Item 4: "Supply and install new 2-Tier Timber Edging c/w composite cap (SCD-65 1f)"; on Form B: Prices
 - (ii) Item 5: "Supply and install new 2-Tier Timber Edging to Fence (SCD-65 1b) on Form B: Prices.
 - (b) Accessible Playground Ramp will be measured on a lump sum basis for:
 - (i) Item 6: "Supply and install one accessible playground ramp (SCD-656) on Form B: Prices.
 - (c) **The Bidder must indicate for Item # 4 and #5 on Form B: Prices the required quantity of units, dependant on the submission.**
- E7.3.2 Basis of Payment shall be as follows:

- (a) Timber edging will be paid for on a per lineal metre basis at the Contract Unit Prices. The Accessible Playground Ramp will be paid for on a lump sum basis at the Contract Unit Price. 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.

E8. PROTECTIVE SURFACING AND SUB-SURFACE DRAINAGE

E8.1 General Description

E8.2 This specification shall cover the supply and install of wood fibre safety surfacing and associated sub-surface drainage.

E8.3 Wood Fibre Surfacing

E8.3.1 Description

- (a) This specification shall cover the supply and installation of Wood Fibre Surfacing within the Play Equipment Area(s).
- (b) This specification shall cover the supply and installation of Wood Fibre Surfacing to drain externally as per Drawing SCD 650a. Note: only Multi-flow pipe is allowed for the drainage on this Site, due to the limited grade change.

E8.3.2 Materials

- (a) Wood Fibre product shall be either Zeager Woodcarpet or Fibar FibarSystem 200 or 300 products or substitute in accordance with B6.

(i) Contact for Woodcarpet:

Zeagar Bros. Inc.
4000 East Harrisburg Pike ·
Middletown, PA 17057
USA
Ph: (1-888) 346-8524 or (717) 944-7481 ·
Fax (717) 944-7681
sales@zeager.com

(ii) Contact for FibarSystem 200 or 300:

The Fibar Group LLC
80 Business Park Drive, Suite 300
Armonk, NY 10504-1705
USA
Ph: (800) 342-2721
Fax: (914) 273-8659
info@FibarPlaygrounds.com

- (b) Wood Fibre surfacing shall include wood fibre, filter cloth, subsurface drainage system and mats under swings and ends of slides.

E8.3.3 Construction Methods

- (a) Wood Fibre shall be installed within the play areas, as defined by the timber edging to a minimum depth of 200 mm (after compaction). In the case where proposed play equipment includes a maximum fall height greater than 2.4m (8'), depth of material to directly correspond to maximum fall height of play equipment in accordance with manufacturer's 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 according manufacturer's instructions. Adequate drainage within play equipment area must be ensured as per same.
- (d) Subsurface of play area shall be graded to drain to one edge of the play area. 150mm wide Multi-Flow drainage pipe shall be installed from the subsurface drainage system within the play area to run outside of the play area perimeter to drain towards the rear lane as shown in detail 1 and 3-L3, as per instruction by the Contract Administrator. The cost of this shall be included in the price for the wood fibre supply and installation.
- (e) Installation shall be done by equipment sized to suit the Work being done and the Wood Fibre shall be spread by hand as necessary in the immediate vicinity of the play equipment so as not to damage same. The play equipment shall be swept clean to the satisfaction of the Contract Administrator after installation of the Wood Fibre.

E8.4 Method of Measurement and Basis of Payment

E8.4.1 Method of Measurement shall be as follows:

- (a) Protective Surfacing will be measured on a square metre basis for:
 - (i) Item 7: "Supply and Install New Engineered Wood Fibre Safety Surfacing, including Multi-Flow Drainage System" on Form B: Prices.
- (b) **The Bidder must indicate for Item # 7 on Form B: Prices the required quantity of units, dependant on the submission.**

E8.4.2 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.

E8.5 Sub-Surface Drainage

E8.5.1 Description

- (a) This Work shall consist of providing and placing a geo-composite prefabricated drain system as required in the design submission and as described on the drawings and herein. Drainage system shall be installed in accordance with these specifications and in close conformity with the locations and dimensions as shown on the plans or specified by the Contract Administrator. The quantities of drain as shown may be increased or decreased at the direction of the Contract Administrator based on actual Site conditions that occur during construction of the project. Such variations in quantity will not be considered as alterations in the details of construction or a change in the character of the Work.

E8.5.2 Material

- (a) Drainage pipe will be Multi-Flow or approved substitute in accordance with B6. Drainage pipe will be 150 mm (6") wide Multi-Flow. The manufacturer will size and approve all fittings for use with Multi-Flow or approved substitute drainage pipe.
- (b) The drain conduit shall be of flexible, prefabricated, rounded rectangular shaped, composite product. The drain conduit will be wrapped with a non-woven geotextile and will be a non-woven needle-punched construction and consist of long-chain polymeric fibres composed of polypropylene, polyethylene or polyamide. The fibres will be oriented into a multi-directional stable network whereby they retain their positions relative with each other and allow the passage of water as specified. The fabric will be free of any chemical treatment or coating, which reduces permeability

and will be inert to chemical commonly found in soil. The geotextile will conform to the following minimum average roll values.

Weight	ASTM D-3776	3.0 - 4.0
Tensile Strength	ASTM D-4632	100 - 130
Elongation %	ASTM D-4632	50 - 70
Puncture, lb	ASTM D-751	35 - 60
Mullen Burst, psi	ASTM D-3786	110 - 215
Trapezoidal Tear, lb	ASTM D-4533	40 - 42
Coefficient of Permeability	ASTM D-4491	.2 - .4 cm/sec
Flow Rate, gpm/ft ²	ASTM D-4491	100 - 140
Permittivity, 1/sec	ASTM D-4491	1.3 - 2.0
Apparent Opening Size	ASTM D-4751	60/70 Max. US Std Sieve Opening
Seam Strength, lb/ft	ASTM D-4595	100
Fungus	ASTM G-21	No Growth

- (c) The drainage core shall be made of a high-density polyethylene. The core shall be constructed using interconnected corrugated pipes that define and provide the flow channels and structural integrity of the drain. The geotextile shall function only as a filter. The core of the edge drain shall conform to the following physical property requirements.

Thickness, inches	ASTM D-1777	1.0
Flow Rate, gpm/ft*	ASTM D-4716	29
Compressive Strength, psf	ASTM D-1621 (modified sand method)	6000
Pipe Stiffness, pii	ASTM D-2412	100

* At gradient = 0.1, pressure = 10 psi for 100 hours.

- (d) Fittings

- (i) The fittings used with the edge drain shall be of a snap together design. In no case shall any drainage product be joined without the use of the manufacturers connector designed specifically for the purpose. Cleanouts will be provided as indicated on the drawing.

E8.5.3 Backfill for Trenches

- (i) Backfill will be coarse sand whose particle size is defined as less than 5% retained on a # 10 screen and less than 5% passing through a # 30 (US Std Sieve) In no case will more than 1% pass a # 60 screen.

E8.5.4 Methods

- (a) The layout of the sub-drain is to be marked on Site and approved by the Contract Administrator and shall conform with drawing detail 1-L3 prior to trenching/excavating. Trenches shall be a min. 150mm in width. The trenches are to be installed to drain the water to the rear lane at maximum 6 metre (20') intervals.
- (b) Sub-drain is to be laid on the prepared surface to facilitate cross movement of water. Sub-drain shall be installed below geotextile and in conformance with details provided. The sub-drain shall be sloped working from the low end of the side by the concrete City lane and sloping upwards towards the play area.
- (c) Contractor is to protect sub-drain from excessive weight during the duration of construction and to repair and make good any pipe collapsed prior to acceptance.

- (d) Fittings for the drain will be installed in accordance with the manufacturer's recommendations and Specification.
- (e) Any damaged edge drain or outlet lateral will be replaced or repaired by splicing in an undamaged section of drain at the Contractor's expense. The repair must be in accordance with the manufacturer's specification and to the satisfaction of the Contract Administrator.
- (f) Outlet ends of drainage pipe shall have the geotextile fabric trimmed off flush with the drainage pipe to prevent vandals from pulling the pipe out of the ground.

E8.6 Method of Measurement and Basis of Payment

E8.6.1 Method of Measurement shall be as follows:

- (a) Sub-surface Drainage shall be incidental to the measurement of Wood Fibre Surfacing listed above and as shown on Form B: Prices.

E8.6.2 Basis of Payment shall be as follows:

- (a) No separate payment shall be made for Sub-surface Drainage.

E9. SOIL AND SOD

E9.1 Description

E9.1.1 This Specification shall amend and supplement the City of Winnipeg Specifications CW 3510-R9, CW 3520-R5 and CW 3540-R5. The Contractor shall install mineral sod and a minimum 75mm compacted thickness of topsoil, as required.

E9.1.2 The Contractor shall install topsoil and sod to the minimum limit of sod restoration and grading shown on drawing detail 1-L1 and 1-L2. The Contractor is made aware the limit of sodding is may be larger than the new play structure area, and the additional sod will be installed in areas where old play equipment or safety surfacing was removed.

E9.1.3 The minimum limit of sod restoration and grading defines the outer limits of existing safety surfacing or poor or uneven grass. The limit may have to be increased if the Contractor provides a design whereby the new play equipment goes past the conceptual design limits shown on drawing detail 1-L2.

E9.1.4 The Contractor shall ensure any sod installed immediately around the outer timber edge is sloped down to meet the existing grass at a maximum 4:1 slope. Where new sod meets existing sod, it is to be cut into the existing sod to meet flush with the existing sod.

E9.1.5 All new sod shall be sloped to drain positively and shall not pond any water. Contact the Contract Administrator where site issues arise before installing the sod.

E9.1.6 Thirty (30) day maintenance period on sod will commence at Total Performance and acceptance.

E9.2 Method of Measurement and Basis of Payment

E9.2.1 Method of Measurement shall be as follows:

- (a) Sodding will be measured on a square metre basis for:
 - (i) Item 9: "Supply and Install Soil and Sod" on Form B: Prices.
- (b) **The Bidder must indicate for Item # 9 on Form B: Prices the required quantity of topsoil and sod, dependant on the submission.**

E9.2.2 Basis of Payment shall be as follows:

- (a) Sodding will be paid for at the Contract Unit Prices. The amount to be paid for shall be the total area, 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.

E10. GRANULAR SURFACING

E10.1 Description

E10.1.1 This Specification shall amend and supplement the City of Winnipeg Specifications CW 3150- Gravel Surfacing. The Contractor shall install gravel surfacing for the walkway area by the existing chain link fence entrance and on the accessible playground ramp.

E10.2 Materials

E10.2.1 Base course layer granular material shall be 19 mm crushed limestone down.

E10.2.2 Topping granular layer shall be 6 mm crushed limestone down.

E10.3 Installation

E10.3.1 The Contractor shall install granular paving around the chain link gate entrance connecting up the accessible playground ramp to the playstructure area and extending northward to the existing swimming pool building. Drawing detail 3-L3 shows a minimum area/layout for connecting the walkway from the parking lot to the existing swimming pool building. The Contractor may amend the shape if the timber edge around the playstructure is moved westward, however the minimum width of the walkway must be 1800 mm (6') width at any given point. Should the timber edge around the playstructure be smaller in size and located further west, the Contractor shall add additional gravel paving to extend to the new timber edging.

E10.3.2 The granular walkway must be a minimum 1800 mm width in front of all benches or obstacles.

E10.3.3 The base course shall be installed to a 200 mm depth and compacted to 95% Modified Proctor Density. The base course top shall be sloped to match the finished topping drainage direction.

E10.3.4 A gravel pad as shown on drawing detail 3-L3 shall be installed under the accessible picnic table. This pad shall be a minimum 2400 x 3600 mm size with the accessible end of the bench having a minimum 1200 mm paving for the wheelchair to sit on. This picnic table pad is to be located and connected to the main granular walkway.

E10.3.5 The topping granular layer shall be installed to a 25 mm depth and be plate compacted after installation. This layer shall slope to drain in the direction of surrounding site drainage and shall not pond any water.

E10.4 Method of Measurement and Basis of Payment

E10.4.1 Method of Measurement shall be as follows:

(a) Granular Surfacing will be measured on a square metre basis for:

(i) Item 8: "Supply and install 225 mm depth of crushed limestone walk surfacing" on Form B: Prices.

(b) **The Bidder must indicate for Item # 8 on Form B: Prices the required quantity of paving area, dependant on the submission.**

E10.4.2 Basis of Payment shall be as follows:

(a) Granular Surfacing will be paid for at the Contract Unit Prices. The amount to be paid for shall be the total area, 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.

E11. SITE FURNITURE

E11.1 Description

E11.1.1 This specification shall cover the pick up and installation of new site furnishings: one (1) metal slat waste receptacles; two (2) benches w/ backs; and one (1) picnic table. This specification shall also cover the relocation of one (1) existing bench.

E11.1.2 The Contractor shall furnish all labour, materials, equipment and services necessary to complete the Work as shown on Drawing 1-L2 and specified herein. Supply includes pick up at the City of Winnipeg. There will be no charge for the supply of the site furniture.

E11.2 Materials

E11.2.1 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.

E11.2.2 Site Furniture shall be:

- (a) Waste Receptacle – Metal Slat Type, as per SCD 119, Product #52501062GLV, or substitute approved in accordance with B6.
- (b) Benches: Tache Composite Benches w/ Arms, Product # 52501085GLV with inground mounting or approved equal in accordance with B6.
- (c) Picnic Table: Tache Style Wheelchair Metal Frame Picnic Table, Product #52501108 with duckbill anchors or approved equal in accordance with B6.

(i) Contact for Waste Receptacles and Benches:

Aaron Lennon
Supervisor of Central Repair/Manufacturing Facility
City of Winnipeg
Fleet Management Agency Division
Public Works Department
215 Tecumseh St
Winnipeg. MB R3E 3S4
Tel: 204 986-5505
Email: ALennon@winnipeg.ca

(ii) Contact for Picnic Table:

Carl Woloshyn
Centralized Park Services
City of Winnipeg
825 Tache Avenue
Winnipeg. MB
Tel: 204 986-3835

E11.3 Construction Methods

- (a) All Work is to be located and installed in accordance with the Drawing 1-L2, SCD-119, SCD-121A, SCD-122A 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;

- (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 is prohibited;
- (d) Install as per manufacturer's instructions and the attached drawings.
- (e) The existing bench shall be carefully removed including all ground anchors and reinstalled with the salvaged ground anchors, in a location to be field located by the Contract Administrator.

E11.4 Method of Measurement and Basis of Payment

E11.4.1 Method of Measurement shall be as follows:

- (a) Site Furniture will be measured on a per unit basis for the following items:
 - (i) Item 10: "Pickup and installation of new metal waste receptacle" on Form B: Prices;
 - (ii) Item 11: "Pickup and installation of new Tache bench" on Form B: Prices;
 - (iii) Item 12: "Pickup and installation of new Tache style wheelchair metal frame picnic table" on Form B: Prices;
 - (iv) Item 13: "Relocate existing bench" on Form B: Prices.

E11.4.2 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.

E12. CHAIN LINK FENCING

E12.1 This specification supplements and amends C.W. 3550 Chain Link Fencing

E12.2 All new fencing shall be 1200 mm (4') height, with knuckled top and bottom fabric.

E12.3 Sections of existing chain link fence which are indicated to be removed shall be removed complete with all concrete footings and legally disposed off site. The post holes shall be backfilled with coarse sand, which is compacted in 300 mm lifts.

E12.4 All line posts in the fence located along the north parking lot edge, are to be 73 mm diameter and spaced at maximum 3 metres on centre.

E12.5 Line posts for the curved section of fence around the swimming pool are to be spaced at 2.4 metres on centre, with the straight section posts spaced a maximum 3 metres on centre. Line posts for the fence located around the swimming pool shall be 60.3 mm diameter.

E12.6 Method of Measurement and Basis of Payment

E12.6.1 Method of Measurement shall be as follows:

- (a) Chain Link Fencing will be measured on a lineal metre basis for the following items:
 - (i) Item 14: "Supply and install 1200 mm height chain link fence with 73 mm dia posts" on Form B: Prices;
 - (ii) Item 15: "Supply and install 1200 mm height chain link fence around swimming pool" on Form B: Prices;
 - (iii) Item 17: "Remove existing chain link fence and footings" on Form B: Prices;
- (b) Chain Link Mesh Fence Gates will be measured on a per unit basis for the following items:

- (i) Item 16: "Supply and install 900 wide chain link mesh fence gates" on Form B: Prices;

E12.6.2 Basis of Payment shall be as follows:

- (a) Chain Link Fencing will be paid for at the Contract Unit Prices. The amount to be paid for shall be the total number of units or lineal metres, 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.