

# THE CITY OF WINNIPEG

# **BID OPPORTUNITY**

**BID OPPORTUNITY NO 342-2006** 

BROOKSIDE CEMETERY SITE EXPANSION – ROADWAY AND DRAINAGE CONSTRUCTION

# **TABLE OF CONTENTS**

PART A - BID SUBMISSION	
Form A: Bid Form B: Prices Form G1: Bid Bond and Agreement to Bond Form G2: Irrevocable Standby Letter of Credit and Undertaking	1 2 5 7
PART B - BIDDING PROCEDURES	
B1. Project Title B2. Submission Deadline B3. Site Investigation B4. Enquiries B5. Addenda B6. Substitutes B7. Bid Submission B8. Bid B9. Prices B10. Qualification B11. Bid Security B12. Opening of Bids and Release of Information B13. Irrevocable Bid B14. Withdrawal of Bids B15. Evaluation of Bids B16. Award of Contract	1 1 1 2 2 3 3 3 4 5 6 6 7 7
PART C - GENERAL CONDITIONS	
C1. General Conditions	1
PART D - SUPPLEMENTAL CONDITIONS	
General D1. General Conditions D2. Scope of Work D3. Contract Administrator D4. Contractor's Supervisor D5. Notices D6. Furnishing of Documents	1 1 2 2 2
Submissions D7. Insurance D8. Performance Security D9. Subcontractor List	2 3 3
Schedule of Work D10. Commencement D11. Working Days D12. Restricted Work Hours D13. Substantial Performance D14. Total Performance D15. Liquidated Damages D16. Scheduled Maintenance	2 2 5 5 5
Control of Work D17. Job Meetings D18. Prime Contractor – The Workplace Safety and Health Act (Manitoba)	6

The City of Winnipeg
Bid Opportunity No. 342-2006

Table of Contents

Template Version: C420041231

	n H1: Performance Bond n H2: Irrevocable Standby Letter of Credit	7 9
	·	_
Forn	n J: Subcontractor List	11
PART E	- SPECIFICATIONS	
Gen	eral	
E1.	Applicable Specifications, Standard Details and Drawings	1
E2.	Soils Investigation	1
E3.	Protection Of Existing Trees	1
E4.	Traffic Control	2
E5.	Pedestrian Safety	2
E6.	Water Used By Contractor	2
E7.	Field Surveying and Engineering	3
E8.	Site Grading	3
E9.	Remove Berm and Rough Grade	4
E10.	. Chain Link Fence	4

#### **APPENDIX A - SOILS INVESTIGATION**

#### **PART B - BIDDING PROCEDURES**

#### **B1.** PROJECT TITLE

B1.1 BROOKSIDE CEMETERY SITE EXPANSION – ROADWAY AND DRAINAGE CONSTRUCTION

#### **B2. SUBMISSION DEADLINE**

- B2.1 The Submission Deadline is 12:00 noon Winnipeg time, June 23, 2006. .
- B2.2 Bid Submissions 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 GC:3.1, the Bidder must inform the Municipal Cemeteries Branch before visiting the site to avoid disturbing any internment services. The Municipal Cemeteries Branch will confirm whether the requested site investigation time requested is allowable.
- B3.2 To confirm a site investigation time, contact:

Neil Avery, Senior Foreman
City of Winnipeg
Planning, Property, Development Department
Civic Accomodations Division
Municipal Cemeteries Branch
c/o Brookside Cemetery
3001 Notre Dame Ave.
Winnipeg, MB R3H 1B8

Phone: 986-4069 Cell: 794-4258

#### **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 Branch internet site 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 Branch internet website for addenda shortly before submitting his Bid.
- B5.3 The Bidder shall acknowledge receipt of each addendum in Paragraph 10 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 shall 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 B15.
- 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.

#### **B7.** BID SUBMISSION

- B7.1 The Bid Submission consists of the following components:
  - (a) Form A: Bid;
  - (b) Form B: Prices;
  - (c) Form G1: Bid Bond and Agreement to Bond, or Form G2: Irrevocable Standby Letter of Credit and Undertaking, or a certified cheque or draft;
- B7.2 All components of the Bid Submission 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 in ink, to constitute a responsive Bid.
- B7.3 The Bid Submission shall be submitted enclosed and sealed in an envelope clearly marked with the Bid Opportunity number and the Bidder's name and address.
- B7.3.1 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.
- B7.4 Bid Submissions submitted by facsimile transmission (fax) or internet electronic mail (e-mail) will not be accepted.
- B7.5 Bid Submissions shall be submitted to:

The City of Winnipeg Corporate Finance Department Materials Management Branch 185 King Street, Main Floor Winnipeg MB R3B 1J1

#### 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 12 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 and the corporate seal, if the corporation has one, shall be affixed;
  - (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 shall be printed below such signatures.
- B8.4.2 All signatures shall be original and shall be witnessed except where a corporate seal has been affixed.
- 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 Submission 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
- B9.2 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 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. 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;
- (b) be responsible and not be suspended, debarred or in default of any obligation to the City;
- (c) be financially capable of carrying out the terms of the Contract:
- (d) have all the necessary experience, capital, organization, and equipment to perform the Work in strict accordance with the terms and provisions of the Contract;
- (e) have successfully carried out work, similar in nature, scope and value to the Work; and
- (f) employ only Subcontractors who:
  - (i) are responsible and not suspended, debarred or in default of any obligation 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 Branch internet site at http://www.winnipeg.ca/matmgt); and
  - (ii) have successfully carried out work similar in nature, scope and value to the portion of the Work proposed to be subcontracted to them, and are fully capable of performing the Work required to be done in accordance with the terms of the Contract;
- (g) have a written workplace safety and health program in accordance with The Workplace Safety and Health Act (Manitoba);
- B10.2 The Bidder shall be prepared to 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.
- B10.3 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.** BID SECURITY

- B11.1 The Bidder shall provide bid security in the form of:
  - (a) a bid bond, in the amount of at least ten percent (10%) of the Total Bid Price, and agreement to bond of a company registered to conduct the business of a surety in Manitoba, in the form included in the Bid Submission (Form G1: Bid Bond and Agreement to Bond); or
  - (b) an irrevocable standby letter of credit, in the amount of at least ten percent (10%) of the Total Bid Price, and undertaking 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 included in the Bid Submission (Form G2: Irrevocable Standby Letter of Credit and Undertaking); or
  - (c) a certified cheque or draft payable to "The City of Winnipeg", in the amount of at least fifty percent (50%) of the Total Bid Price, drawn on a bank or other financial institution registered to conduct business in Manitoba.
- B11.1.1 If the Bidder submits alternative bids, the bid security shall be in the amount of the specified percentage of the highest Total Bid Price submitted.
- B11.2 The bid security of the successful Bidder and the next two lowest evaluated responsive and responsible Bidders will be released by the City when a Contract for the Work has been duly

executed by the successful Bidder and the performance security furnished as provided herein. The bid securities of all other Bidders will be released when a Contract is awarded.

- B11.2.1 Where the bid security provided by the successful Bidder is in the form of a certified cheque or draft pursuant to B11.1(c), it will be deposited and retained by the City as the performance security and no further submission is required.
- B11.2.2 The City will not pay any interest on certified cheques or drafts furnished as bid security or subsequently retained as performance security.
- B11.3 The bid securities of all Bidders will be released by the City as soon as practicable following notification by the Contract Administrator to the Bidders that no award of Contract will be made pursuant to the Bid Opportunity.

#### B12. OPENING OF BIDS AND RELEASE OF INFORMATION

- B12.1 Bid Submissions will be opened publicly, after the Submission Deadline has elapsed, in the office of the Corporate Finance Department, Materials Management Branch, or in such other office as may be designated by the Manager of Materials.
- B12.1.1 Bidders or their representatives may attend.
- B12.1.2 Bid Submissions determined by the Manager of Materials, or his designate, to not include the bid security specified in B11 will not be read out.
- B12.2 After the public opening, the names of the Bidders and their Total Bid Prices as read out (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 Branch internet site at http://www.winnipeg.ca/matmgt.
- B12.3 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 Branch internet site at http://www.winnipeg.ca/matmgt.
- B12.4 The Bidder is advised that any information contained in any Bid Submission 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.

#### **B13.** IRREVOCABLE BID

- B13.1 The Bid(s) submitted by the Bidder shall be irrevocable for the time period specified in Paragraph 11 of Form A: Bid.
- B13.2 The acceptance by the City of any Bid shall not release the Bids of the next two lowest evaluated responsive Bidders and these Bidders shall be bound by their Bids on such Work until a Contract for the Work has been duly executed and the performance security furnished as herein provided, but any Bid shall be deemed to have lapsed unless accepted within the time period specified in Paragraph 11 of Form A: Bid.

#### **B14.** WITHDRAWAL OF BIDS

- B14.1 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.
- B14.1.1 Notwithstanding GC:23.3, 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.

- B14.1.2 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 12 of Form A: Bid, and only such person, has authority to give notice of withdrawal.
- B14.1.3 If a Bidder gives notice of withdrawal prior to the Submission Deadline, the Manager of Materials shall:
  - (a) retain the Bid Submission until after the Submission Deadline has elapsed;
  - (b) open the Bid Submission to identify the contact person named in Paragraph 3 of Form A: Bid and the Bidder's authorized representatives named in Paragraph 12 of Form A: Bid; and
  - (c) if the notice has been given by any one of the persons specified in B14.1.3(b), declare the Bid withdrawn.
- B14.2 A Bidder who withdraws his Bid after the Submission Deadline but before his Bid has been released or has lapsed as provided for in B13.2 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, including the right to retain the Bidder's bid security.

#### **B15.** EVALUATION OF BIDS

- B15.1 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 (pass/fail);
  - (b) qualifications of the Bidder and the Subcontractors, if any, pursuant to B10 (pass/fail);
  - (c) Total Bid Price;
  - (d) economic analysis of any approved alternative pursuant to B6.
- B15.2 Further to B15.1(a), the Award Authority may reject a Bid as being non-responsive if the Bid 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 Bid, or waive technical requirements if the interests of the City so require.
- B15.3 Further to B15.1(b), the Award Authority shall reject any Bid submitted by a Bidder who does not demonstrate, in his Bid Submission or in other information required to be submitted, that he is responsible and qualified.
- B15.4 Further to B15.1(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.
- B15.4.1 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.** AWARD OF CONTRACT

- B16.1 The City will give notice of the award of the Contract by way of a letter of intent, or will give notice that no award will be made.
- B16.2 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.

- B16.2.1 Without limiting the generality of B16.2, 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.
- B16.3 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.

## **PART C - GENERAL CONDITIONS**

#### C1. GENERAL CONDITIONS

- C1.1 The General Conditions for Construction Contracts (Revision 2000 11 09) are applicable to the Work of the Contract.
- C1.2 The *General Conditions for Construction Contracts* are available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Branch internet site at http://www.winnipeg.ca/matmgt.

#### **PART D - SUPPLEMENTAL CONDITIONS**

#### **GENERAL**

#### D1. GENERAL CONDITIONS

- D1.1 In addition to the General Conditions for Construction Contracts, these Supplemental Conditions are applicable to the Work of the Contract.
- D1.2 The General Conditions are amended by striking out "The City of Winnipeg Act" wherever it appears in the General Conditions and substituting "The City of Winnipeg Charter".
- D1.3 The General Conditions are amended by striking out "Tender Package" wherever it appears in the General Conditions and substituting "Bid Opportunity".
- D1.4 The General Conditions are amended by striking out "Tender Submission" wherever it appears in the General Conditions and substituting "Bid Submission".
- D1.5 The General Conditions are amended by deleting GC:6.16 and GC:6.17. The City of Winnipeg is now within the jurisdiction of the Manitoba Ombudsman pursuant to The Ombudsman Act.

#### D2. SCOPE OF WORK

- D2.1 The Work to be done under the Contract shall consist of constructing a new asphalt surfaced roadway and surface drainage to service the north west portion of the Brookside Cemetery adjacent to Logan Avenue and Brookside Boulevard.
- D2.2 The major components of the Work are as follows:
  - (a) Construction of Logan Avenue access to Cemetery
  - (b) Excavation and off site removal of topsoil and sub-grade for roadway and ditching
  - (c) Remove existing earth berm and finish grade adjacent to ditch along Logan Avenue.
  - (d) Sub-base and base course placement and compaction
  - (e) Placement of asphalt pavement on roadway using automatic grade control
  - (f) Final Site grading around roadway and ditches
  - (g) Remove existing fence and install new fence along Brookside Boulevard and Logan Avenue
  - (h) Install permanent locking gate at new Logan entrance

#### D3. CONTRACT ADMINISTRATOR

D3.1 The Contract Administrator is Dillon Consulting Limited, represented by:

David Wiebe, P.Eng. Project Manager Suite 200 – 895 Waverley Street Winnipeg, MB R3T 5P4 Telephone No. (204) 453-2301

Facsimile No. (204) 453-2301 Facsimile No. (204) 452-4412

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

The City of Winnipeg
Bid Opportunity No. 342-2006

Template Version: C420041231

#### 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.
- D4.2 At least two (2) business days prior to the commencement of any Work on the Site, the Contractor shall provide the Contract Administrator with a phone number where the supervisor identified in D4.1 or an alternate can be contacted 24 hours a day to respond to an emergency.

#### D5. NOTICES

- D5.1 Except as provided for in GC:23.2.2, 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 All notices of appeal to the Chief Administrative Officer shall be sent to the attention of the Chief Financial Officer at the following address or facsimile number:

The City of Winnipeg Chief Administrative Officer Secretariat Administration Building, 3rd Floor 510 Main Street Winnipeg MB R3B 1B9

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 Corporate Services Department Legal Services Division 185 King Street, 3rd Floor Winnipeg MB R3B 1J1

Facsimile No.: (204) 947-9155

#### D6. FURNISHING OF DOCUMENTS

D6.1 Upon award of the Contract, the Contractor will be provided with five (5) complete sets of the Bid Opportunity. If the Contractor requires additional sets of the Bid Opportunity, they will be supplied to him at cost.

#### **SUBMISSIONS**

#### D7. INSURANCE

- D7.1 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) all inclusive, with The City of Winnipeg being named as an additional

- insured, with a cross-liability clause, such liability policy to also contain a contractual liability, an unlicensed motor vehicle liability and a products and completed operations endorsement to remain in place at all times during the performance of the Work and throughout the warranty period;
- (b) automobile liability insurance for owned and non-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;
- D7.2 Deductibles shall be borne by the Contractor.
- D7.3 The Contractor shall provide the City Solicitor with a certified true copy or a certificate of insurance of each policy, 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 the GC:4.1 for the return of the executed Contract.
- D7.4 The Contractor shall not cancel, materially alter, or cause each policy to lapse without providing at least fifteen (15) Calendar Days prior written notice to the Contract Administrator.

#### D8. PERFORMANCE SECURITY

- D8.1 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.
- D8.1.1 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.
- D8.2 If the bid security provided in his Bid Submission was not a certified cheque or draft pursuant to B11.1(c), the Contractor shall provide the City Solicitor with the required performance security within seven (7) Calendar Days of notification of the award of the Contract by way of letter of intent and prior to the commencement of any Work on the Site and in no event later than the date specified in the GC:4.1 for the return of the executed Contract.

#### 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 or prior to a pre-construction meeting, or at least two (2) Business Days prior to the commencement of any Work on the Site but in no event later than the date specified in the GC:4.1 for the return of the executed Contract.

#### **SCHEDULE OF WORK**

#### D10. COMMENCEMENT

- D10.1 The Contractor shall not commence any Work until he is in receipt of a letter of intent from the Award Authority authorizing the commencement of the Work.
- D10.2 The Contractor shall not commence any Work on the Site until:
  - (a) the Contract Administrator has confirmed receipt and approval of:
    - evidence that the Contractor is 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;
    - (ii) evidence of the workers compensation coverage specified in GC:6.14;
    - (iii) the twenty-four (24) hour emergency response phone number specified in D4.2.
    - (iv) evidence of the insurance specified in D7;
    - (v) the performance security specified in D8; and
    - (vi) the Subcontractor List specified in D9;
  - (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.
- D10.3 The Contractor shall commence the Work on the Site within seven (7) Working Days of receipt of the letter of intent.

#### D11. WORKING DAYS

- D11.1 Further to GC:1.1(gg);
- D11.1.1 The Contract Administrator will determine daily if a Working Day has elapsed and will record his assessment. On a weekly basis the Contract Administrator will provide the Contractor with a record of the Working Days assessed for the preceding week. The Contractor shall sign each report signifying that he agrees with the Contract Administrator's determination of the Working Days assessed for the report period.
- D11.1.2 Work done to restore the Site to a condition suitable for Work, shall not be considered "Work" as defined in the definition of a Working Day.
- D11.1.3 When the Work includes two or more major types of Work that can be performed under different atmospheric conditions, the Contract Administrator shall consider all major types of Work in determining whether the Contractor was able to work in assessing Working Days.

#### D12. RESTRICTED WORK HOURS

- D12.1 Further to clause 3.10 of CW 1130, the Contractor shall require written permission 48 hours in advance from the Contract Administrator for any Work to be performed between 2000 hours and 0700 hours, or on Saturdays, Sundays, Statutory Holidays and or Civic Holidays.
- D12.2 The Contractor shall call the Cemeteries Branch as listed in B3.2 daily to check if any internments are scheduled for that day. When an internment is scheduled and it is within 500 metres of the construction area, or when requested by the Cemeteries Administrator, all construction shall cease and motorized equipment shall be turned off. Construction can resume once the formal service has ended. The Brookside Cemetery typically has 2 3 internments a week lasting 30 minutes each during the timeframe of this project.

D12.3 The normal operating hours of the Cemetery to the public is 0800 to 2100 hours every day. The Contractor shall construct the new access to Logan Avenue as shown on the drawings and utilize it for all construction access. This access shall be for the sole use of the Contractor during construction. A temporary lockable gate must be installed during construction, or the access must be secured by other means when the Contractor is not at the Site.

#### D13. SUBSTANTIAL PERFORMANCE

- D13.1 The Contractor shall achieve Substantial Performance within ten (10) consecutive Working Days of the commencement of the Work as specified in D10.
- D13.2 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.
- D13.3 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.

#### D14. TOTAL PERFORMANCE

- D14.1 The Contractor shall achieve Total Performance within twelve (12) consecutive Working Days of the commencement of the Work as specified in D10.
- D14.2 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.
- D14.3 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.

#### D15. LIQUIDATED DAMAGES

- D15.1 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 nine hundred fifty dollars (\$950.00) per Working Day for each and every Working Day following the day fixed herein for Total Performance during which such failure continues.
- D15.2 The amount specified for liquidated damages in D15.1 is based on a genuine pre-estimate of the City's losses in the event that the Contractor does not achieve Total Performance by the day fixed herein for same.
- D15.3 The City may reduce any payment to the Contractor by the amount of any liquidated damages assessed.

#### D16. SCHEDULED MAINTENANCE

- D16.1 The Contractor shall perform the following scheduled maintenance in the manner and within the time periods required by the Specifications:
  - (a) Reflective Crack Maintenance (during one year warranty period) as specified in CW 3250-R6;

D16.2 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**

#### D17. JOB MEETINGS

- D17.1 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.
- D17.2 The Contract Administrator reserves the right to cancel any job meeting or call additional job meetings whenever he deems it necessary.

#### D18. PRIME CONTRACTOR – THE WORKPLACE SAFETY AND HEALTH ACT (MANITOBA)

D18.1 Further to GC:6.26, the Contractor shall be the Prime Contractor and shall serve as, and have the duties of the Prime Contractor in accordance with The Workplace Safety and Health Act (Manitoba).

# FORM H1: PERFORMANCE BOND (See D8)

KNO\	W ALL MEN BY TH	HESE PRESENTS THAT	
(here	inafter called the "F	Principal"), and	
	inafter called the 'd the 'Obligee'), in	"Surety"), are held and firmly bound unto <b>THE CITY OF WINNIPEG</b> the sum of	, i (hereinafter
		dollars (\$	)
sum 1	the Principal and t	ada to be paid to the Obligee, or its successors or assigns, for the payn the Surety bind themselves, their heirs, executors, administrators, suc erally, firmly by these presents.	
WHE	REAS the Principa	al has entered into a written contract with the Obligee dated the	
	day of	, 20, for:	
BID C	OPPORTUNITY NO	D. 342-2006	
		RY SITE EXPANSION – ROADWAY AND DRAINAGE CONSTRUCTION and part hereof and is hereinafter referred to as the "Contract".	NC
NOW	THEREFORE the	condition of the above obligation is such that if the Principal shall:	
(a) (b) (c) (d) (e)	forth in the Cont perform the Wo make all the pay in every other Contract; and indemnify and s demands of eve claims, actions Compensation of performance or	rerform the Contract and every part thereof in the manner and within the tract and in accordance with the terms and conditions specified in the Cork in a good, proper, workmanlike manner; yments whether to the Obligee or to others as therein provided; respect comply with the conditions and perform the covenants contract comply with the conditions and perform the covenants contract description as set forth in the Contract, and from all penalties, as for loss, damages or compensation whether arising under "TAct", or any other Act or otherwise arising out of or in any way conner non-performance of the Contract or any part thereof during the e warranty period provided for therein;	contract; tained in the , claims, and assessments, he Workers cted with the
		ON SHALL BE VOID, but otherwise shall remain in full force and effect able for a greater sum than the sum specified above.	. The Surety
nothir or rel	ng of any kind or n	DECLARED AND AGREED that the Surety shall be liable as Princip matter whatsoever that will not discharge the Principal shall operate as f the Surety, any law or usage relating to the liability of Sureties to	a discharge
IN WI	ITNESS WHEREO	OF the Principal and Surety have signed and sealed this bond the	
	day of	20	

The City of Winnipeg
Bid Opportunity No. 342-2006

Supplemental Conditions Page 8 of 11

Template Version: C420041231

SIGNED AND SEALED in the presence of:	(Name of Principal)	
	Per:	(Seal)
(Witness)	Per:	
	(Name of Surety)	
	By:(Attorney-in-Fact)	(Seal)

# FORM H2: IRREVOCABLE STANDBY LETTER OF CREDIT (PERFORMANCE SECURITY) (See D8)

(Date)	
Corpo Legal 185 K	of Winnipeg te Services Department ervices Division g Street, 3rd Floor g MB R3B 1J1
RE:	PERFORMANCE SECURITY – BID OPPORTUNITY NO. 342-2006
	BROOKSIDE CEMETERY SITE EXPANSION – ROADWAY AND DRAINAGE CONSTRUCTION
Pursu	t to the request of and for the account of our customer,
(Name	Contractor)
(Addres	of Contractor)
	REBY ESTABLISH in your favour our irrevocable Standby Letter of Credit for a sum not exceeding agregate
	Canadian dollars
dema Letter payme	andby Letter of Credit may be drawn on by you at any time and from time to time upon written for payment made upon us by you. It is understood that we are obligated under this Standbe Credit for the payment of monies only and we hereby agree that we shall honour your demand for twithout inquiring whether you have a right as between yourself and our customer to make such and without recognizing any claim of our customer or objection by the customer to payment by us
	ount of this Standby Letter of Credit may be reduced from time to time only by amounts drawn upon or by formal notice in writing given to us by you if you desire such reduction or are willing that it be
Partia	rawings are permitted.
	age with you that all demands for payment made within the terms and currency of this Standb Credit will be duly honoured if presented to us at:
(Addres	
and w	confirm and hereby undertake to ensure that all demands for payment will be duly honoured by us

The City of Winnipeg
Bid Opportunity No. 342-2006

Supplemental Conditions Page 10 of 11

Template Version: C420041231

All demands for payment sh	all specifically s	state that they	are drawn under	this Standby	Letter of Credit
All defination for payment on		state that they	are drawn under	uno otanuby	Letter or Great.

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 (1993 Revision), International Chamber of Commerce Publication Number 500.

(Name	of bank or financial institution)
Per:	
	(Authorized Signing Officer)
Per:	
	(Authorized Signing Officer)

## FORM J: SUBCONTRACTOR LIST

(See D9)

## BROOKSIDE CEMETERY SITE EXPANSION - ROADWAY AND DRAINAGE CONSTRUCTION

Portion of the Work	<u>Name</u>	<u>Address</u>	
SUPPLY OF MATERIALS:			
Excavation/Earthwork			
Base Work			
Asphalt Work			
Fencing			
Culverts			
INSTALLATION/PLACEMENT:			
Excavation/Earthwork			
Base Work			
Asphalt Work			
Fencing			
Culverts			

#### **PART E - SPECIFICATIONS**

#### **GENERAL**

#### E1. APPLICABLE SPECIFICATIONS, STANDARD DETAILS AND DRAWINGS

- E1.1 The City of Winnipeg Standard Construction Specifications in its entirety, whether or not specifically listed on Form B: Prices, shall apply to the Work.
- E1.1.1 The City of Winnipeg Standard Construction Specifications is available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Branch internet site at http://www.winnipeg.ca/matmgt.
- E1.1.2 The version in effect three (3) Business Days before the Submission Deadline shall apply.
- E1.1.3 Further to GC:2.4(d), Specifications included in the Bid Opportunity shall govern over *The City of Winnipeg Standard Construction Specifications*.
- E1.2 The following Drawings are applicable to the Work:

Drawing No.	Drawing Name/Title	Drawing (Original) Sheet Size
342-2006_Sht1_R2.pdf	Brookside Cemetery Site Expansion Site Plan and Proposed Works	A1
342-2006_Sht2_R2.pdf	Brookside Cemetery Site Expansion Road Layout and Drainaga	A1

#### E2. SOILS INVESTIGATION

- E2.1 Further to GC:3.1, the following geotechnical information is provided to aid the Contractor's evaluation of the existing soil conditions. Five testpits were dug on November 23, 2005 and the soil visually classified by Dillon Consulting Limited. Selected soil samples were submitted to National Testing Laboratories Limited for analysis. The testpit logs and soil sample testing results are contained in Appendix 'A'.
- E2.2 The information presented is considered accurate at the locations stated and at the time of drilling. However, variations in soil conditions may exist between test holes and fluctuations in groundwater levels can be expected seasonally and may occur as a result of construction activities. The nature and extent of variations may not become evident until construction commences.

#### E3. PROTECTION OF EXISTING TREES

- E3.1 The Contractor shall take the following precautionary steps to prevent damage from construction activities to existing trees within the limits of the construction area:
  - (a) The Contractor shall not stockpile materials and soil or park vehicles and equipment on boulevards within 2 metres of trees.
  - (b) Trees within 2 metres of the proposed roadway or pathway or those identified to be at risk by the Contract Administrator are to be strapped with 25 x 100 x 2400mm wood planks, or suitably protected as approved by the Contract Administrator.
  - (c) Excavation shall be performed in a manner that minimizes damage to the existing root systems. Where possible, excavation shall be carried out such that the edge of the

- excavation shall be a minimum of 1.5 times the diameter (measured in inches), with the outcome read in feet, from the closest edge of the trunk. Where roots must be cut to facilitate excavation, they shall be pruned neatly at the face of excavation.
- (d) Operation of equipment within the dripline of the trees shall be kept to the minimum required to perform the work required. Equipment shall not be parked, repaired, refuelled; construction materials shall not be stored, and earth materials shall not be stockpiled within the driplines of trees. The dripline of a tree shall be considered to be the ground surface directly beneath the tips of its outermost branches. The Contractor shall ensure that the operations do not cause flooding or sediment deposition on areas where trees are located.
- (e) Work on-site shall be carried out in such a manner so as to minimize damage to existing tree branches. Where damage to branches does occur, they shall be neatly pruned.
- E3.2 All damage to existing trees caused by the Contractor's activities shall be repaired to the requirements and satisfaction of the Contract Administrator and the City Forester or his designate.
- E3.3 No separate measurement or payment will be made for the protection of trees.
- E3.4 Elm trees cannot be trimmed between April 1 and July 31, inclusive.

#### E4. TRAFFIC CONTROL

- E4.1 Further to clauses 3.6 and 3.7 of CW 1130-R1:
  - (a) In accordance with the Manual of Temporary Traffic Control, the Contractor ("Agency" in the manual) shall make arrangements with the Traffic Services Section of the City of Winnipeg to place all temporary regulatory signs. The Contractor shall bear all costs associated with the placement of temporary traffic control devices by the Traffic Services Section of the City of Winnipeg in connection with the works undertaken by the Contractor.
  - (b) The Contractor shall construct and utilize the new access to Logan Avenue for all construction activity, if possible. Construction equipment and materials are to be limited to the immediate project area to minimize disturbance to the rest of the Cemetery.

#### **E5. PEDESTRIAN SAFETY**

- E5.1 During the project a temporary snow fence shall be installed along the inside edge of the looped roadway encircling the Last Post Fund Columbarium. An opening in the snow fence for pedestrian access must be provided for visitors of the memorial. The Contractor shall be responsible for maintaining the snow fence in a proper working condition. The snow fence shall also protect the area around the Memorial from construction equipment and materials. No measurement for payment shall be made for this Work.
- E5.2 Pedestrian access must be maintained to the existing plots along Brookside Boulevard on the west side of the Site. No equipment or materials are to be stored in this area.

#### E6. WATER USED BY CONTRACTOR

E6.1 Further to clause 3.7 of CW 1120-R1, the Contractor shall pay for all costs associated with obtaining water in accordance with the Waterworks By-law. Sewer charges will not be assessed for water obtained from a hydrant.

#### E7. FIELD SURVEYING AND ENGINEERING

#### E7.1 General

- E7.1.1 The Contract Administrator will provide reference base lines and reference elevations for the Work. The Contractor is responsible to maintain the reference base lines, elevations, and layout information and provide surveying materials.
- E7.2 Responsibilities of Contract Administrator
- E7.2.1 The Contract Administrator will be responsible for:
  - (a) Establishing at least three temporary benchmarks on the project site.
  - (b) Establishing baselines for all legs of the roadway.
  - (c) Establishing control points as necessary including critical radii and stations.
  - (d) Grading baselines.
  - (e) Surveying and measurement for all payment quantities.
  - (f) Verification of construction to lines and grades indicated on the design drawings.
- E7.3 Responsibilities of Contractor
- E7.3.1 The Contractor will be responsible for:
  - (a) Protection and maintaining all surveying baselines, control points, benchmarks, and grading.
  - (b) Resetting damaged or missing stakes to lines and grades indicated on plans or by Contract Administrator.
  - (c) Provide the Contract Administrator with stakes, lathe, ribbon, and paint for use in setting baselines and control points.

#### E8. SITE GRADING

- E8.1 The Contractor to note that Site grading is limited to the "immediate" right of way of the construction items in the project. Minor Site grading is expected within four (4) metres of the outer limits of the roadway or ditches to account for construction vehicle movement. No separate measurement or payment for Site grading within these limits will be made. This excludes the rough grading area along Logan Avenue.
- E8.2 The Contractor is to limit construction activity, vehicle use, vehicle/equipment storage to areas under construction or areas required to be traversed for the purposes of construction.
- E8.3 No activity at all is to take place on existing burial plots. The Contractor shall not park, walk, or place materials/equipment within three (3) metres of existing burial plots, or on the west side of the existing roadway within the project area. Also included is the area within the looped roadway around the Last Post Fund Columbarium.
- E8.4 Site grading shall be taken to mean restoring the ground surface to 100 mm below finished sod height, with positive drainage. Topsoil and sodding will be completed by others after construction is complete.
- E8.5 Any Site damage outside the limits identified above, including vehicle tracks, temporary soil stockpiles, or temporary sumps/drainage channels, will be restored to the same or better condition by the Contractor at no cost to the City.

E8.6 Further to CW-3170-R3 and E9, all soil material, except suitable clay material needed for roadway embankment fill is to be disposed of off-site.

#### E9. REMOVE BERM AND ROUGH GRADE

#### E9.1 Description

#### E9.1.1 General

- (a) This specification covers the removal of the existing earth berm on the north side of the project area adjacent to the Logan Avenue ditch. It includes rough grading of the area between the Logan ditch and new internal roadway to achieve positive drainage to Logan Avenue ditch.
- (b) Referenced Standard Construction Specifications
  - (i) CW 3170-R3 Earthwork and Grading.
- E9.2 Materials
- E9.2.1 General
  - (a) Not applicable.
- E9.3 Construction Methods
- E9.3.1 Excavation
  - (a) Common excavation of existing earth berm to achieve positive drainage to Logan Avenue ditch as per Item 9.2 b) of CW 3170-R3.
  - (b) Excavate to allow for 100 mm of topsoil and sod installed by others.
- E9.3.2 Disposal of Material
  - (a) Off-site disposal as per Item 9.4 of CW 3170-R3.
- E9.4 Measurement and Payment
- E9.4.1 Removal and disposal of earth berm along with rough grading of areas shown on construction plans will be measured on an area basis and paid for at the Contract Unit Price per square metre for "Remove Berm and Rough Grade". The area to be paid for will be the total area where soil is removed and taken off-site disposal, and grading to 100 mm below final grade to allow for drainage to the Logan Avenue occurs in accordance with this specification, accepted and measured by the Contract Administrator.

#### E10. CHAIN LINK FENCE

- E10.1 Description
- E10.1.1 General
  - (a) This specification covers the removal of existing post-and-chain fencing in the NW portion of the Site, and the installation of 1.83m high chain link fencing along the same alignment with a gate at the new Cemetery access on Logan.
  - (b) Referenced Standard Construction Specifications
    - (i) CW 3550-R2 Chain Link Fencing.

#### E10.2 Materials

#### E10.2.1 General

(a) All new materials as per CW 3550-R2.

#### E10.2.2 Gate

- (a) Materials as per CW-3550-R2. Furnish as double gate with drop bolts.
- (b) The Contractor shall supply shop drawings of gate to be supplied prior to manufacture for the Contract Administrator's approval.

#### E10.3 Construction Methods

#### E10.3.1 General

(a) New fence and gate construction as per detail in Contract Drawings and as per CW 3550-R2.

#### E10.3.2 Remove Existing Fence

- (a) Remove existing post-and-chain fencing and dispose off-site.
- (b) Remove any concrete piles/bases within 0.3 metres of the ground surface. Backfill holes with soil.

#### E10.4 Measurement and Payment

- E10.4.1 Removal and disposal of existing post-and-chain fence will be measured on a length basis and paid for at the Contract Unit Price per lineal metre for the "Items of Work" listed below. The length to be paid for will be the total amount of existing fencing that is removed, post holes filled, and disposed off-site in accordance with this specification, accepted and measured by the Contract Administrator.
- E10.4.2 Installation of 1.83m Height Chain Link Fencing will be measured on a length basis and paid for at the Contract Unit Price per lineal metre for the "Items of Work" listed below. The length to be paid for will be the total length of the fencing that is installed in accordance with this specification, accepted and measured by the Contract Administrator.
- Installation of gates will be measured on a length basis and paid for at the Contract Unit Price per lineal metre for the "Items of Work" listed below. The length to be paid for will be the total length of the gate that is installed in accordance with this specification, accepted and measured by the Contract Administrator.

Items of Work:

#### Chain Link Fence

- (i) Remove Post-and-Chain Fencing
- (ii) Install 1.83m Height Chain Link Fencing Gates
- (i) Install 1.83m Height Chain Link Gates

# APPENDIX 'A' SOILS INVESTIGATION