



THE CITY OF WINNIPEG

REQUEST FOR PROPOSAL

RFP NO. 18-2016

**REQUEST FOR PROPOSAL FOR PROFESSIONAL ENGINEERING SERVICES FOR
DESIGN AND CONTRACT ADMINISTRATION OF THE EAST WINNIPEG COMMUNITY
RESOURCE RECOVERY CENTRE (CRRC)**

Proposals shall be submitted to:

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

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PART B - BIDDING PROCEDURES

B1. CONTRACT TITLE

- B1.1 REQUEST FOR PROPOSAL FOR PROFESSIONAL ENGINEERING SERVICES FOR DESIGN AND CONTRACT ADMINISTRATION OF THE EAST WINNIPEG COMMUNITY RESOURCE RECOVERY CENTRE (CRRC)

B2. SUBMISSION DEADLINE

- B2.1 The Submission Deadline is 12:00 noon Winnipeg time, April 6, 2016.
- B2.2 Proposals determined by the Manager of Materials to have been received later than the Submission Deadline will not be accepted and will be returned upon request.
- B2.3 The Project Manager 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 The Project Manager or an authorized representative will conduct a Site Investigation tour of the Mission site on:
- (a) 9:00 a.m. on Thursday, March 24, 2016, at 429 Panet Road (Panet Road and Mission Street).
- B3.1.1 Proponents are requested to register for the Site Investigation by contacting the Project Manager identified in D2.
- B3.2 Although attendance at the Site Investigations is not mandatory, the City strongly suggests that Proponents attend.
- B3.3 The Proponent shall not be entitled to rely on any information or interpretation received at the Site Investigation unless that information or interpretation is the Proponent's direct observation, or is provided by the Project Manager in writing.

B4. ENQUIRIES

- B4.1 All enquiries shall be directed to the Project Manager identified in D2.
- B4.2 If the Proponent finds errors, discrepancies or omissions in the Request for Proposal (RFP), or is unsure of the meaning or intent of any provision therein, the Proponent shall promptly notify the Project Manager of the error, discrepancy or omission at least five (5) Business Days prior to the Submission Deadline.
- B4.3 If the Proponent is unsure of the meaning or intent of any provision therein, the Proponent should request clarification as to the meaning or intent prior to the Submission Deadline.
- B4.4 Responses to enquiries which, in the sole judgment of the Project Manager, require a correction to or a clarification of the RFP will be provided by the Project Manager to all Proponents by issuing an addendum.
- B4.5 Responses to enquiries which, in the sole judgment of the Project Manager, do not require a correction to or a clarification of the RFP will be provided by the Project Manager only to the Proponent who made the enquiry.
- B4.6 All correspondence or contact by Proponents with the City in respect of this RFP must be directly and only with the City's Project Manager. Failure to restrict correspondence and contact to the Project Manager may result in the rejection of the Proponents Proposal Submission.

B4.7 The Proponent shall not be entitled to rely on any response or interpretation received pursuant to B4 unless that response or interpretation is provided by the Project Manager in writing.

B5. CONFIDENTIALITY

B5.1 Information provided to a Proponent by the City or acquired by a Proponent by way of further enquiries or through investigation is confidential. Such information shall not be used or disclosed in any way without the prior written authorization of the Project Manager. The use and disclosure of the confidential information shall not apply to information which:

- (a) was known to the Proponent before receipt hereof; or
- (b) becomes publicly known other than through the Proponent; or
- (c) is disclosed pursuant to the requirements of a governmental authority or judicial order.

B5.2 The Proponent shall not make any statement of fact or opinion regarding any aspect of the Request for Proposals to the media or any member of the public without the prior written authorization of the Project Manager.

B6. ADDENDA

B6.1 The Project Manager may, at any time prior to the Submission Deadline, issue Addenda correcting errors, discrepancies or omissions in the Request for Proposal, or clarifying the meaning or intent of any provision therein.

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

B6.2.1 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/bidopp.asp>

B6.2.2 The Proponent is responsible for ensuring that it has received all Addenda and is advised to check the Materials Management Division website for Addenda regularly and shortly before the Submission Deadline, as may be amended by addendum.

B6.3 The Proponent shall acknowledge receipt of each addendum in Paragraph 9 of Form A: Proposal. Failure to acknowledge receipt of an addendum may render a Proposal non-responsive.

B7. PROPOSAL SUBMISSION

B7.1 The Proposal shall consist of the following components:

- (a) Form A: Proposal (Section A) in accordance with B8;
- (b) Fees (Section B) in accordance with B9;

B7.2 The Proposal should also consist of the following components:

- (a) Experience of Proponent and Key Personnel (Section C) in accordance with B10;
- (b) Technical Proposal (Section D), in accordance with B11;
- (c) Management Proposal (Section E) in accordance with B12; and
- (d) Project Schedule (Section F) in accordance with B13.

B7.3 Further to B7.1, all components of the Proposal shall be fully completed or provided in the order indicated, and submitted by the Proponent no later than the Submission Deadline, with all required entries made clearly and completely, to constitute a responsive Proposal.

- B7.4 Further to B7.2, all components of the Proposal should be fully completed or provided in the order indicated, and submitted by the Proponent no later than the Submission Deadline, with all required entries made clearly and completely, to constitute a responsive Proposal.
- B7.5 Proponents should submit one (1) unbound 8.5" x 11" original (marked "original") including drawings and six (6) copies (copies can be in any size format) for sections identified in B7.1 and B7.2.
- B7.6 Proposal format, including type of binding, number of pages, size of pages and, font, etc., will not be regulated, except that the Proposal should contain a table of contents, page numbering and should be in the Sections identified above. Proponents are encouraged to use their creativity to submit a Proposal which provides the requested information for evaluation and other information which illustrates the strength of their team.
- B7.7 Proponents are advised that inclusion of terms and conditions inconsistent with the Request for Proposal, will be evaluated in accordance with B21.1(a).
- B7.8 The Proposal shall be submitted enclosed and sealed in an envelope/package clearly marked with the RFP number and the Proponent's name and address.
- B7.9 Proposals submitted by facsimile transmission (fax) or internet electronic mail (e-mail) will not be accepted.
- B7.10 Proposals shall be submitted to:
The City of Winnipeg
Corporate Finance Department
Materials Management Division
185 King Street, Main Floor
Winnipeg MB R3B 1J1
- B7.11 Any cost or expense incurred by the Proponent that is associated with the preparation of the Proposal shall be borne solely by the Proponent.

B8. PROPOSAL (SECTION A)

- B8.1 The Proponent shall complete Form A: Proposal, making all required entries.
- B8.2 Paragraph 2 of Form A: Proposal shall be completed in accordance with the following requirements:
- (a) if the Proponent is a sole proprietor carrying on business in his/her own name, his/her name shall be inserted;
 - (b) if the Proponent is a partnership, the full name of the partnership shall be inserted;
 - (c) if the Proponent is a corporation, the full name of the corporation shall be inserted;
 - (d) if the Proponent is carrying on business under a name other than his/her own, the business name and the name of every partner or corporation who is the owner of such business name shall be inserted.
- B8.2.1 If a Proposal 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: Proposal, the Proponent shall identify a contact person who is authorized to represent the Proponent for purposes of the Proposal.
- B8.4 Paragraph 11 of Form A: Proposal shall be signed in accordance with the following requirements:
- (a) if the Proponent is a sole proprietor carrying on business in his/her own name, it shall be signed by the Proponent;

- (b) if the Proponent is a partnership, it shall be signed by the partner or partners who have authority to sign for the partnership;
- (c) if the Proponent is a corporation, it shall be signed by its duly authorized officer or officers and the corporate seal, if the corporation has one, should be affixed;
- (d) if the Proponent is carrying on business under a name other than its own, it shall be signed by the registered owner of the business name, or by the registered owner's authorized officials if the owner is a partnership or a corporation.

B8.4.1 The name and official capacity of all individuals signing Form A: Proposal should be printed below such signatures.

B8.5 If a Proposal is submitted jointly by two or more persons, the word "Proponent" shall mean each and all such persons, and the undertakings, covenants and obligations of such joint Proponents in the Proposal and the Contract, when awarded, shall be both joint and several.

B9. FEES (SECTION B)

B9.1 The Proponent shall Form B: Prices, summarizing all applicable Fees.

B9.2 The Proposal shall include a Fixed Fee for all disciplines, identified and necessary, for each Scope of Service phase of the Project, which include:

- (a) Preliminary Engineering;
- (b) Design and Specification Development;
- (c) Contract Document Preparation;
- (d) Procurement Process,
- (e) Resident Services;
- (f) Non-Resident services; and
- (g) Record Drawings

B9.3 Adjustments to Fees will only be considered based on increases or decreases to the Scope of Services approved by the Project Manager.

B9.3.1 The City will not consider an adjustment to the Fees based on changes in the Project budget or the Final Total Construction Cost.

B9.4 Notwithstanding C1.1(b), Fees shall include costs for out of town travel, related meals and accommodations for the duration of the Project and shall not be considered an Allowable Disbursement.

B9.5 The Fee Proposal shall also include an allowance for Allowable Disbursements as defined in C1.1(b), but shall exclude the costs of any soils and hazardous materials investigation during construction.

B9.5.1 Further to B9.5, Allowances for Disbursements for Underground Structures information and Material Testing - Construction have been included on Form B: Prices as the City's estimate of costs for these disbursements. These are to be included in the calculation of total fees proposed by the Proponent.

B9.6 Notwithstanding C10.1, Fees submitted shall not include the Goods and Services Tax (GST) or Manitoba Retail Sales Tax (MRST, also known as PST), which shall be extra where applicable.

B9.7 Payments to Non-Resident Consultants are subject to Non-Resident Withholding Tax pursuant to the Income Tax Act (Canada).

B10. EXPERIENCE OF PROPONENT AND KEY PERSONNEL (SECTION C)

- B10.1 Proposals should include general firm profile information, including years in business, average volume of work, number of employees and other pertinent information for the Proponent and all Sub-Consultants.
- B10.2 Proposals should include details demonstrating the Proponents and Sub-Consultants experience relating to the scope of work identified for this project.
- B10.3 Submit the experience and qualifications of the Key Personnel assigned to the Project. Include educational background and degrees, professional recognition, job title, years of experience in current position, years of experience in design and construction, and years of experience with existing employer. Proponent should also include details of experience and expertise in green building and integrated design.
- B10.4 Roles of each of the key participants in the Project should be identified in the organizational chart referred to in B12.2(c).

B11. TECHNICAL PROPOSAL (SECTION D)

- B11.1 The Technical Proposal should address the deliverables and associated task requirements required by the Scope of work. It should clearly identify and explain work activities and identify all assumptions and interpretations.
- B11.2 The Technical Proposal should describe:
- (a) the Proponents understanding of the Project;
 - (b) the Proponents approach and methodology to complete the work;
 - (c) innovation, such as green building and incorporation of reused and recycled materials into design;
 - (d) any activities and services to be provided by the City;
 - (e) the deliverables of the Project.
- B11.2.1 The City wishes to lead by example on this project. Recycling is a two part process; it requires collection of materials to be recycled along with the creation and sale of goods containing reused and recycled materials. The City intends to incorporate reused or recycled materials in the construction of these facilities and the proponent should propose any innovations they plan to implement towards this goal.

B12. MANAGEMENT PROPOSAL (SECTION E)

- B12.1 Describe your firm's project management approach and team organization during the performance of Services, so that the evaluation committee has a clear understanding of the methods the Proponent will use in the delivery of this Project.
- B12.2 Methodology should identify:
- (a) job function for each identified individual and group of individuals so identified;
 - (b) time estimates by work activity and in total for each identified individual;
 - (c) an organizational chart for the Project.

B13. PROJECT SCHEDULE (SECTION F)

- B13.1 Proponents should present a carefully considered Critical Path Method schedule using Microsoft Project or similar project management software, complete with resource assignments (key designers), durations (weekly timescale) and milestone dates or events. The schedule should address each requirement of the Scope of Services.

B13.2 The Proponent's schedule should include critical dates for review and approval processes by the City and other organizations anticipated during the design and tendering phases of the Project. Reasonable times should be allowed for completion of these processes.

B14. DISCLOSURE

B14.1 Various Persons provided information or services with respect to this Work. In the City's opinion, this relationship or association does not create a conflict of interest because of this full disclosure. Where applicable, additional material available as a result of contact with these Persons is listed below.

B14.2 The Persons are:

- (a) Stantec Consulting Inc.
- (b) HDR Inc.
- (c) Dillon Consulting Limited

B15. QUALIFICATION

B15.1 The Proponent shall:

- (a) undertake to be in good standing under The Corporations Act (Manitoba), or properly registered under The Business Names Registration Act (Manitoba), or otherwise properly registered, licensed or permitted by law to carry on business in Manitoba, or if the Proponent does not carry on business in Manitoba, in the jurisdiction where the Proponent does carry on business; and
- (b) be financially capable of carrying out the terms of the Contract;
- (c) have all the necessary experience, capital, organization, and equipment to perform the Services in strict accordance with the terms and provisions of the Contract;
- (d) have or establish and staff an office in Winnipeg for the duration of the Project.

B15.2 The Proponent and any proposed Subconsultant (for the portion of the Services proposed to be subcontracted to them) shall:

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

B15.3 The Proponent and/or any proposed Subconsultant (for the portion of the Services proposed to be subcontracted to them) shall:

- (a) have successfully carried out services for the programming; design, management of construction and contract administration for architectural and/or engineering projects of similar complexity, scope and value; and to those required for this Project; and
- (b) be fully capable of performing the Services required to be in strict accordance with the terms and provisions of the Contract; and
- (c) have a written workplace safety and health program, if required, pursuant to The Workplace Safety and Health Act (Manitoba);
- (d) have the knowledge and resources to administer the requirements of The Workplace Safety and Health Act (Manitoba) during the construction works associated with this Contract; and
- (e) undertake to meet all licensing and regulatory requirements of the appropriate governing authorities and associations in the Province of Manitoba

B15.4 The Proponent shall submit, within three (3) Business Days of a request by the Project Manager, further proof satisfactory to the Project Manager of the qualifications of the Proponent and of any proposed Subconsultant.

B15.5 The Proponent shall provide, on the request of the Project Manager, full access to any of the Proponent's equipment and facilities to confirm, to the Project Manager's satisfaction, that the Proponent's equipment and facilities are adequate to perform the Services.

B16. OPENING OF PROPOSALS AND RELEASE OF INFORMATION

B16.1 Proposals will not be opened publicly.

B16.2 After award of Contract, the names of the Proponents and the Contract amount of the successful Proponent will be available on the Closed Bid Opportunities (or Public/Posted Opening & Award Results) page at The City of Winnipeg, Corporate Finance, Materials Management Division website at <http://www.winnipeg.ca/matmgt/>.

B16.3 To the extent permitted, the City shall treat all Proposal Submissions as confidential. However, the Proponent is advised that any information contained in any Proposal 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.

B16.4 Following the award of Contract, a Proponent will be provided with information related to the evaluation of its submission upon written request to the Project Manager.

B17. IRREVOCABLE OFFER

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

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

B18. WITHDRAWAL OF OFFERS

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

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

B18.1.2 The City will assume that any one of the contact persons named in Paragraph 3 of Form A: Proposal or the Proponent's authorized representatives named in Paragraph 11 of Form A: Proposal, and only such person, has authority to give notice of withdrawal.

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

- (a) retain the Proposal until after the Submission Deadline has elapsed;
- (b) open the Proposal to identify the contact person named in Paragraph 3 of Form A: Proposal and the Proponent's authorized representatives named in Paragraph 11 of Form A: Proposal; and
- (c) if the notice has been given by any one of the persons specified in B18.1.3(b), declare the Proposal withdrawn.

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

B19. INTERVIEWS

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

B20. NEGOTIATIONS

B20.1 The City reserves the right to negotiate details of the Contract with any Proponent. Proponents are advised to present their best offer, not a starting point for negotiations in their Proposal Submission.

B20.2 The City may negotiate with the Proponents submitting, in the City's opinion, the most advantageous Proposals. The City may enter into negotiations with one or more Proponents without being obligated to offer the same opportunity to any other Proponents. Negotiations may be concurrent and will involve each Proponent individually. The City shall incur no liability to any Proponent as a result of such negotiations.

B20.3 If, in the course of negotiations pursuant to B20.2 or otherwise, the Proponent amends or modifies a Proposal after the Submission Deadline, the City may consider the amended Proposal as an alternative to the Proposal already submitted without releasing the Proponent from the Proposal as originally submitted.

B21. EVALUATION OF PROPOSALS

B21.1 Award of the Contract shall be based on the following evaluation criteria:

- (a) compliance by the Proponent with the requirements of the Request for Proposal or acceptable deviation therefrom: (pass/fail)
- (b) qualifications of the Proponent and the Subconsultants, if any, pursuant to B15: (pass/fail)
- (c) Fees; (Section B) 40%
- (d) Experience of Proponent and Key Personnel; (Section C) 40%
- (e) Technical Proposal; (Section D) 10%
- (f) Management Proposal (Section E) 5%
- (g) Project Schedule. (Section F) 5%

B21.2 Further to B21.1(a), the Award Authority may reject a Proposal as being non-responsive if the Proposal Submission is incomplete, obscure or conditional, or contains additions, deletions, alterations or other irregularities. The Award Authority may reject all or any part of any Proposal, or waive technical requirements or minor informalities or irregularities if the interests of the City so require.

B21.3 Further to B21.1(b), the Award Authority shall reject any Proposal submitted by a Proponent who does not demonstrate, in its Proposal or in other information required to be submitted, that it is responsible and qualified.

B21.4 Further to B21.1(c), Fees will be evaluated based on Fees submitted in accordance with B9.

B21.5 Further to B21.1(d), Experience of Proponent and Key Personnel will be evaluated considering the experience of the organization on projects of similar size and complexity as well as other information requested.

B21.6 Further to B21.1(e), Technical Proposal will be evaluated considering the experience and qualifications of the Key Personnel and Subconsultant personnel on Projects of comparable size and complexity.

B21.7 Further to B21.1(f), Management Proposal will be evaluated considering your firm's understanding of the City's Project, project management approach and team organization.

- B21.8 Further to B21.1(g), Project Schedule will be evaluated considering the Proponent's ability to comply with the requirements of the Project.
- B21.9 Notwithstanding B21.1(d) to B21.1(g), where Proponents fail to provide a response to B7.2(a) to B7.2(d), the score of zero may be assigned to the incomplete part of the response.
- B21.10 Proposals will be evaluated considering the information in the Proposal Submission and any interviews held in accordance with B19.

B22. AWARD OF CONTRACT

- B22.1 The City will give notice of the award of the Contract, or will give notice that no award will be made.
- B22.2 The City will have no obligation to award a Contract to a Proponent, even though one or all of the Proponents are determined to be responsible and qualified, and the Proposals are determined to be responsive.
- B22.2.1 Without limiting the generality of B22.2, the City will have no obligation to award a Contract where:
- (a) the prices exceed the available City funds for the Services;
 - (b) the prices are materially in excess of the prices received for similar services in the past;
 - (c) the prices are materially in excess of the City's cost to perform the Services, or a significant portion thereof, with its own forces;
 - (d) only one Proposal is received; or
 - (e) in the judgment of the Award Authority, the interests of the City would best be served by not awarding a Contract.
- B22.3 Where an award of Contract is made by the City, the award shall be made to the responsible and qualified Proponent submitting the most advantageous offer.
- B22.4 The City may, at its discretion, award the Contract in phases.
- B22.5 Notwithstanding Paragraph 6 of Form A: Proposal and C4, the City will issue a Letter of Intent to the successful Proponent in lieu of execution of a Contract.
- B22.5.1 The Contract documents as defined in C1.1(n)(ii) in their entirety shall be deemed to be incorporated in and to form a part of the Letter of Intent notwithstanding that they are not necessarily attached to or accompany said Letter of Intent.
- B22.6 The form of Contract with the City of Winnipeg will be based on the Contract as defined in C1.1(n).
- B22.7 Following the award of Contract, a Proponent will be provided with information related to the evaluation of its Proposal upon written request to the Project Manager.
- B22.8 If, after the award of Contract, the Project is cancelled, the City reserves the right to terminate the Contract. The Consultant will be paid for all Services rendered up to time of termination.

PART C - GENERAL CONDITIONS

C0. GENERAL CONDITIONS

- C0.1 The *General Conditions for Consultant Services* (Revision 2010-10-01) are applicable to the Services of the Contract.
- C0.1.1 The *General Conditions for Consultant Services* are available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Division website at http://www.winnipeg.ca/matmgt/gen_cond.stm.
- C0.2 A reference in the Request for Proposal to a section, clause or subclause with the prefix “**C**” designates a section, clause or subclause in the *General Conditions for Consultant Services*.

PART D - SUPPLEMENTAL CONDITIONS

GENERAL

D1. GENERAL CONDITIONS

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

D2. PROJECT MANAGER

D2.1 The Project Manager is:

Stacy Cournoyer, P. Eng

Email: scournoyer@winnipeg.ca

Telephone No. 204 986-2142

D2.2 At the pre-commencement meeting, the Project Manager will identify additional personnel representing the Project Manager and their respective roles and responsibilities for the Services.

D2.3 Proposal Submissions must be submitted to the address in B7.10

D3. BACKGROUND

In 2011 Stantec Inc. delivered their final report for the Comprehensive Integrated Waste Management Plan (CIWMP). This plan recommends the creation of up to four Community Resource Recovery Centres (CRRCs) across Winnipeg. In December 2012, the City announced its intention to go ahead with construction of these facilities, with target opening in 2014. These CRRC facilities will be branded and marketed with the name of "4R Winnipeg Depots" when they are eventually opened to the public.

Construction of the Brady site was completed in February 2016. A second site on Pacific Avenue is in the final design stages with an expected opening in the Fall of 2016. The 3rd site located at Mission Avenue and Panet Road is to be constructed in 2017.

D4. SCOPE OF SERVICES

D4.1 The Services required under this Contract shall consist of the planning, design and contract administration of one (1) CRRC at the Mission-Panet site with a construction budget of approximately \$3,800,000.00 in accordance with the following:

- (a) Preliminary Engineering;
- (b) Design and Specification Development;
- (c) Contract Document Preparation
- (d) Procurement Process;
- (e) Resident Services;
- (f) Non Resident Construction Services; and
- (g) Record Drawings.

D5. DEFINITIONS

D5.1 When used in this Request for Proposal:

- (a) "BRRMF" means the Brady Road Resource Management Facility, formerly known as the Brady Road Landfill or simply the city dump.

- (b) 4R Winnipeg Depot” means Community Resource Recovery Centre, a site open to the public which receives all manner of materials residential customer wish to dispose with a focus on source separation and diversion.

D6. OWNERSHIP OF INFORMATION, CONFIDENTIALITY AND NON DISCLOSURE

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

SUBMISSIONS PRIOR TO START OF SERVICES

D7. AUTHORITY TO CARRY ON BUSINESS

- D7.1 The Consultant 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 Consultant does not carry on business in Manitoba, in the jurisdiction where the Consultant does carry on business, throughout the term of the Contract, and shall provide the Project Manager with evidence thereof upon request.

D8. INSURANCE

- D8.1 The Consultant shall procure and maintain, at its own expense and cost, insurance policies with limits no less than those shown below.
- D8.2 As a minimum, the Consultant shall, without limiting its obligations or liabilities under any other contract with the City, procure and maintain, at its own expense and cost, the following insurance policies:
 - (a) Comprehensive or Commercial General Liability Insurance including:
 - (i) an inclusive limit of not less than \$2,000,000 for each occurrence or accident with a minimum \$2,000,000 Products and Completed Operations aggregate and \$5,000,000 general aggregate;
 - (ii) all sums which the Consultant shall become legally obligated to pay for damages because of bodily injury (including death at any time resulting therefrom) sustained by any person or persons or because of damage to or destruction of property caused by an occurrence or accident arising out of or related to the Services or any operations carried on in connection with this Contract;
 - (iii) coverage for Products/Completed Operations, Blanket Contractual, Consultant’s Protective, Personal Injury, Contingent Employer’s Liability, Broad Form Property Damage, Employees as Additional Insureds, and Non-Owned Automobile Liability;
 - (iv) a Cross Liability clause and/or Severability of Interest Clause providing that the inclusion of more than one Insured shall not in any way affect the rights of any other

Insured hereunder in respect to any claim, demand, suit or judgment made against any other Insured;

- (b) if applicable, Automobile Liability Insurance covering all motor vehicles, owned and operated and used or to be used by the Consultant directly or indirectly in the performance of the Service. The Limit of Liability shall not be less than \$2,000,000 inclusive for loss or damage including personal injuries and death resulting from any one accident or occurrence.
- (c) Professional Errors and Omissions Liability Insurance including:
 - (i) an amount not less than \$5,000,000 per claim and \$5,000,000 in the aggregate.

- D8.2.1 The Consultant's Professional Errors and Omissions Liability Insurance shall remain in force for the duration of the Project and for twelve (12) months after total performance.
- D8.3 The policies required in D8.2(a) shall provide that the City is named as an Additional Insured thereunder and that said policies are primary without any right of contribution from any insurance otherwise maintained by the City.
- D8.4 The Consultant shall require each of its Subconsultants to provide comparable insurance to that set forth under D8.2(a) and D8.2(c).
- D8.5 The Consultant shall provide the Project Manager with a certificate(s) of insurance for itself and for all of its Subconsultants, in a form satisfactory to the City Solicitor, at least two (2) Business Days prior to the commencement of any Services, but in no event later than the date specified in C4.1 for the return of the executed Contract. Such Certificates shall state the exact description of the Services and provide for written notice in accordance with D8.8.
- D8.6 The Consultant may take out such additional insurance as it may consider necessary and desirable. All such additional insurance shall be at no expense to the City.
- D8.7 All insurance, which the Consultant is required to obtain with respect to this Contract, shall be with insurance companies registered in and licensed to underwrite such insurance in the Province of Manitoba.
- D8.8 The Consultant shall not cancel, materially alter, or cause any policy to lapse without providing at least thirty (30) Calendar Days prior written notice to the City.

SCHEDULE OF SERVICES

D9. COMMENCEMENT

- D9.1 The Consultant shall not commence any Services until it is in receipt of a notice of award from the City authorizing the commencement of the Services.
- D9.2 The Consultant shall not commence any Services until:
- (a) the Project Manager has confirmed receipt and approval of:
 - (i) evidence of authority to carry on business specified in D7;
 - (ii) evidence of the insurance specified in D8;
 - (b) the Consultant has attended a meeting with the Project Manager, or the Project Manager has waived the requirement for a meeting.

D10. CRITICAL STAGES

- D10.1 The Consultant shall achieve critical stages of the Services for this Contract in accordance with the following requirements:
- (a) Site opening day - Fall 2017

PART E - SCOPE OF SERVICES

E1. DESIGN SERVICES

E1.1 Orientation Meeting

- (a) Attend a mandatory meeting with the Engineering and Solid Waste Services Division of the Department to review project expectations and limits.

E1.2 General

- (a) These Terms of Reference are supplemental to the Standard Terms and Conditions of Consultant Services and the "Definition of Standard Consulting Engineering Services" required by the City of Winnipeg.
- (b) The consulting services described herein will be provided for the Water and Waste Department (the Department).

E1.3 Design Services – General

- (a) All required technical specifications complete with Form B: Unit Prices, to be included with the Bid Opportunity documents and construction drawings package.
- (b) Construction cost estimates must be provided at the conceptual, preliminary and detailed design phases. The City may request revised estimates as a result of design changes, updated prices or quantities, etc. No additional payment will be made to the Consultant for these revised estimates.
- (c) A pre-tender estimate must be provided to the Department's contact person for review at least fifteen (15) calendar days prior to tendering. The project shall not be tendered without this review.
- (d) Construction drawings are to have a Department drawing number assigned before the work is tendered. Drawing numbers shall be requested from the Department's contact person.
- (e) Review and approval of shop drawings submitted by the Contractor and/or Supplier(s).
- (f) Digital files of the construction drawings shall be provided to the Department's contact person when the work is tendered, and at each intermediate design stage
- (g) Provision of appropriate response to bidders and advice to the Department during the period of tender call and, subject to acceptance by the Department, issuing addenda to the Bid Opportunity documents.
- (h) Review Bid submissions for completeness and prepare Bid submission tabulation.
- (i) If required, arrange for a pre-award meeting(s) with the Department and the lowest qualified Bidder for which the purpose is:
 - (i) To establish that the Contractor has received all addenda.
 - (ii) To ascertain that the Contractor understands the scope of work in the Bid Opportunity.
 - (iii) To determine that the Contractor is capable of meeting the obligations of the detailed in the Bid Opportunity.
 - (iv) To secure advisement by the Contractor of intended methods, materials, stages, timelines or sequences of the Contract that are of interest to the Department.
 - (v) To afford the opportunity for each participant to fulfil the obligation of disclosing any known obstacle(s) to the conduct of the Contract, or of any expectation of significant revision thereof, if known at that time.
- (j) Preparation of a report containing recommendation regarding award of contract and identifying reasons thereof, including identifying and explaining any variations in cost from the original engineer's estimate to the submitted Contract cost.
- (k) Provide the Contractor with assistance in obtaining any required permits necessary for the commencement of construction.

- (l) Coordinate with the Contractor, the Department and other relevant parties any commissioning activities required before any components of the Community Resource Recovery Centres can be put into active service.
- (m) Services related to the design, implementation and certification of LEED® (Leadership in Energy and Environmental Design) Certification at the Silver level or better; or Green Globes Design™ at the 3 Globes level or better.
- (n) If site does not meet prerequisite criteria for LEED or Green Globes Design, the Consultant shall design and provide verification consistent with achievement of the following LEED credits:

SUSTAINABLE SITES

Credit 4.2 Alternative Transportation, Bicycle Storage & Changing Rooms

Credit 6.1 Stormwater Design: Quantity Control

Credit 6.2 Stormwater Design: Quality Control

Credit 8 Light Pollution Reduction

WATER EFFICIENCY

Prereq 1 Water Use Reduction

Credit 1 Water Efficient Landscaping

MATERIALS AND RESOURCES

Credit 2 Construction Waste Management – 75%

Credit 3 Materials Reuse

Credit 4 Recycled Content – 20%

Credit 7 Certified Wood

- (o) Deliver improved energy performance and be certified by the Manitoba Hydro Power Smart New Buildings Program;
 - (p) Utilize life-cycle costing to ensure maximum value of projected capital and operating costs & savings in financial decision-making and reporting.
 - (q) Complete all required permitting including, but not limited to, Waste Disposal Ground permit, Dangerous Goods Handling and Transportation Act License and Development permit for the Site.
- E1.4 The design philosophy of the Panet Rd 4R Depot is to be consistent in design, functionality, and accessibility to the recently completed BRRMF 4R Depot and the Pacific Avenue 4R Depots, which is in the final design stages. This includes, but is not limited to layout and order of planned commodities, saw-tooth design and dimensions, color schemes, building materials selection, etc.
- E1.5 There will be a public participation component as part of the project. The Public Participation officer will work with the Consultant to ensure that stakeholder concerns are heard so that the project is properly implemented. The Consultant will be responsible for providing project text and graphics to the Public Participation officer to communicate with stakeholders. This includes, but is not limited to, the project website, letters to stakeholders, open houses storyboards, etc.
- E1.6 The Panet Road site will have an approximately 10 acre storm retention basin located east of the site. The construction of this retention pond is part of the Mission sewer district sewer separation project scheduled to take place in the near future. The Public Works department has reserved a strip of land on the east side of Panet Road for a future Active Transportation pathway. In addition the land which was formerly the Mission St. ROW may be utilized for the facility; however the land on the site parcel is separated from the ROW by a high pressure gas main.

- E1.7 The site contains many plants and trees which where possible should be incorporated into the design and construction.
- E1.8 Design Services – Engineering
- (a) Site Survey
 - (i) Perform preliminary topography survey as required.
 - (ii) Drawings of the site location and boundaries can be found in Appendix B.
 - (b) Traffic Management
 - (i) Assess traffic impact of the Panet Road 4R Depot on traffic flows on Panet Road and Mission Street. Consult with City of Winnipeg Traffic Studies Engineer or Solid Waste Services regarding traffic counts into site.
 - (ii) Consult with the City of Winnipeg Private Approach Technician for suitable location and size requirements of facility approaches.
 - (iii) Design a signage plan for traffic control, way finding signs, including any overhead signs, entry signs and mounts for all informational and educational signs consistent with signage planned for the BRRMF.
 - (iv) Design any related mounts, foundations, and electrical required for signage plan.
 - (c) Geotechnical Investigation
 - (i) Perform or coordinate geotechnical analysis to determine site soil conditions.
 - (ii) Perform a Phase 2 Environmental Site Assessment of the Mission site
 - (d) Facility Road and Parking Design
 - (i) Design facility roads adhering to the following:
 - (i) Appropriate geometric standards set by the Transportation Association of Canada (TAC);
 - (ii) City of Winnipeg's Transportation Standards Manual;
 - (iii) City of Winnipeg's Accessibility Design Standards
 - (ii) Facility roads are to be asphalt with appropriate subgrade compaction, geotextile, base, and sub-base materials.
 - (iii) Concrete pads and guidance rails to be included under each roll-off container location.
 - (iv) Design staff and visitor parking. Staff parking to include provision of block heater outlets.
 - (v) Pavement design should consider possible use of recycled asphalt shingles, recycled concrete, recycled tires chips or any other recycled content which is comparable in cost and performance to conventional designs.
 - (e) Facility design:
 - (i) Design to include an off-loading area for lower volume material roll-off bins incorporating a conventional "saw tooth" configuration utilizing a grade separation, similar to the 4R Depot at the BRRMF. The built-in-place grade separation is to include a cast-in-place retaining wall system, with bins placed below-grade and the off-loading area above-grade.
 - (ii) Provide bunker space for bulk materials such as yard waste, bikes, and clean fill.
 - (iii) Provide an expansion/evolution plan for site with space allowance for future commodities.
 - (f) Operational Building(s)
 - (i) Transaction processing space including a pay window.
 - (ii) Re-Use Centre Space
 - (i) A receiving, storage and shipping space for reusable household goods and reusable building materials. The space is not expected to serve as a retail location or process transactions or receive public customers. Materials would be dropped off in a similar fashion to HHW and eWaste. Staff will sort and

- temporarily store materials for shipment to retail locations or processing facilities operated by 3rd party partners.
- (ii) Design and inclusion in site layout of a re-use centre space of approximately 100 m² including access via loading docks for the acceptance of building materials, appliances, and other household goods.
 - (iii) E-waste and HHW Storage Space
 - (i) Design a space of approximately 150m² including lighting, electrical, heating, and access to dock level transfer to 53' trailers.
 - (ii) Design is to include any required fire protection, spill containment or other required safety features.
 - (iii) Facility licensing as required.
 - (iv) Fire safety plans for each building.
 - (iv) Equipment Garage
 - (i) An equipment garage space for storage of a front-end loader and roll-off truck along with associated supplies, small equipment and tools.
 - (ii) The garage must be suitable for storage of diesel equipment in all seasons.
 - (iii) Where possible all facilities should be incorporated together to minimize redundant systems and improve communication and staff flexibility.
 - (v) Administrative Building
 - (i) Common area with kitchenette including table and chairs, microwave, a sink, refrigerator, counter space and storage units.
 - (ii) Locker area including lockers, benches, washroom complete with sink/toilet/shower, and change room.
 - (iii) Foreman's office.
 - (iv) IT/Server area.
 - (vi) Remote warming shed
 - (i) A remote, heated shelter should be provide in a convenient location for staff to seek shelter while working in the area of the elevated saw-tooths or bunkers, whichever is more remote to the other buildings onsite.
 - (vii) Operational buildings such as the equipment garage, administrative building and E-waste/HHW Storage Space can be combined into one building.
- (g) Municipal Services Design
- (i) Design required wastewater and water services for facility or recommend alternatives.
 - (ii) Designs should adhere to the following:
 - (i) City of Winnipeg Water Estimation and Design Guidelines;
- (h) Surface Water Management
- (i) Assess and design surface water management plan for 4R DEPOT site.
 - (ii) Review design requirements with the Land Drainage and Flood Planning engineer.
 - (iii) Where possible, minimize underground works and manage water through surface flow.
 - (iv) The eastern section of the site reserved for future development of a SRB at an undetermined future date (see Appendix B). Stormwater flow is to be collected on-site and directed to a temporary retention pond constructed on the site of the future SRB. During peak wet weather events, water from retention pond will discharge into ditch through an overflow. Stormwater flow cannot be directly discharged into the ditch system surrounding the Mission site.
 - (v) Stormwater from the facility can be managed as non-impacted water except where water originates near the HHW collection areas, which should have separate containment and release controls.
- (i) Electrical

- (i) 3-phase electrical will be required for the 4R Depot facilities.
Design exterior lighting to meet night operational requirements for 4R Depot sites. Including the needs of security camera systems similar to those implemented at Brady and Pacific sites.
- (ii) Lighting is to be LED.
- (iii) Consultant to prepare application for any incentives or grants related to the use of LED.
- (iv) Consultant to complete electrical service application on behalf of the City.
- (j) Telecommunications
 - (i) Coordinate and design connection from Information Systems and Technology Division requirements. Representatives of the department shall provide detailed requirements during the design stage.
 - (ii) Payment processing window and lunchroom to be connected to City network.
 - (iii) Design layouts and cable pulls to be in scope for the construction. All equipment shall be provided by from Information Systems and Technology Division
 - (iv) WIFI and wall data ports to be included in lunchroom and warehouses to facilitate use as temporary workspace.
- (k) Stationary compaction and onsite processing
 - (i) Assess the business case for compaction capability and provide recommendation.
 - (ii) Assess the business case for onsite processing of commodities and provide recommendations for volume reduction, for example; chipping wood and brush, breaking glass, etc.
 - (iii) Provide design for recommended solution(s).
- (l) Litter control
 - (i) Design of litter control devices including, but not limited to, fences and wind breaks to minimize blown litter. Litter control should conform to industry best practices.
- (m) Pest and vector control
 - (i) Assess the need for pest and vector control at each site and provide designs and recommendations for management, if required.
- (n) Site Security
 - (i) The City will provide security camera specifications and work with the consultant on a layout scheme for the facility. Consult with the Emergency/Security Management Coordinator regarding these requirements.
 - (ii) Site perimeter fencing will be required around the Panet Road site.
- (o) Use of Recycled Materials for Construction
 - (i) Where possible, the use of reused or recycled materials, especially those currently collected at existing 4R Depots should be considered for incorporation into the design of the Panet Rd. 4R Depot facility, such as recycled glass, concrete, shingles, tires, plastics and wood.
 - (ii) Innovative fill and base materials such as tire-derived aggregate, should be considered for incorporation into the design where this product provides similar performance at similar cost. The design should reduce waste and favour readily recyclable materials.
 - (iii) All construction materials, (scrap wood, scrap metal, etc) and site preparation materials (clean fill, organic materials, etc) should be segregated into the categories currently available to the public for recycling at the 4R Winnipeg Depots.
- (p) Landscaping
 - (i) Recommend and design suitable landscaping for site.
 - (ii) Landscaping plan for 4R Depot should incorporate low maintenance, native, drought tolerant vegetation, such as wild flowers, prairie grasses, and other comparable species.

- (iii) Design for a vegetated educational area for demonstrations of backyard composting, grass cycling, leaf cycling, staging facility tours, and other public outreach and educational activities.
 - (iv) Provide a grassed area of approximately 100 m² minimum suitable for staging events with tents and picnic area. This should be located in proximity to bicycle recycling area to allow accommodation of events organized by the Winnipeg Repair Education and Cycling Hub (WRENCH).
 - (v) Consideration should be made for discouraging vermin and nuisance birds.
 - (vi) Where possible existing plants, shrubs and trees onsite should be incorporated into the design.
- (q) All building code requirements and bylaws to be satisfied.

E1.9 Construction Drawings

- (a) All drawings are to be drawn in accordance with The City of Winnipeg Manual for Production of Construction Drawings and Departmental requirements.
- (b) Design drawings are to be submitted to the City of Winnipeg Underground Structures for approvals prior to tendering.
- (c) Construction Drawings are to be prepared by the Consultant and will be included by the Bid Opportunity Documents. Provide digital PDF's of the Construction Drawings to be posted on the City of Winnipeg web site for the bidding period.
- (d) The Department's contact person will provide drawing numbers for the construction drawings prepared by the Consultant.

E2. CONTRACT ADMINISTRATION SERVICES

E2.1 Non-Resident Services

- (a) Personnel with demonstrated experience in the design and contract administration of the mechanical, electrical, structural, and civil components of the Works are to be assigned to this project.
- (b) Consult with and advice to the Department during the course of construction.
- (c) Coordinate and conduct a pre-construction meeting with all other relevant parties in attendance and provide minutes of meeting to all in attendance and those to be copied.
- (d) Review and acceptance of shop drawings and manufacturers' drawings supplied by the Contactor or supplier to ensure to the Department that the shop drawings are in conformance to the contract Drawings and Specifications, without relieving the Contractor of his contractual and legal obligations in respect thereof.
- (e) Review and report to the Department upon laboratory, shop and other tests conducted upon materials and /or equipment placed or installed by the Contractor to ensure to the Department conformance to the contract Drawings and Specifications, without relieving the Contractor of his contractual and legal obligations in respect thereof.
- (f) Review and acceptance of O&M manual submissions.
- (g) Acceptance of alternate materials and methods, subject to prior acceptance by the Department, without relieving the Contractor of his contractual and legal obligations in respect thereof.
- (h) Submit monthly contract progress estimates to be processed in a timely fashion in accordance with the General Conditions of the City of Winnipeg Standard Construction Specifications.
- (i) Provide a detailed monthly "Cost to Complete" report. This report is to include the actual costs to date, plus projected costs to complete the project including allowances for any unforeseen cost with explanation and justification. The report shall identify any expected budget overruns or surpluses.

- (j) Furnish copies to the Department of all significant correspondence relating directly or indirectly to the project by parties external to the Consultant's Contract Administrator (Contract Administrator).
- (k) Submit to the Department, prior to construction, a report documenting written and photographic records of, and assessments of the physical condition of adjacent buildings, facilities, surface conditions and other infrastructure sufficient to equip the Contract Administrator to provide valid evidence and relevant testimony in settlement of any claim involving the City by any court of law or by any other party thereto arising from the project.
- (l) Consultant billings are to indicate the fee breakdown for the submitted invoice as well as the total fees to date.
- (m) Billings are to be adjusted to indicate the 2% of the actual construction value holdback until as-constructed drawings have been submitted. Invoices submitted without this breakdown will be returned.
- (n) Approved allowable disbursements and laboratory testing costs are to be shown as separate sub-totals from the fee charges.

E2.2 Resident Services

- (a) Personnel with demonstrated experience in the design and contract administration of the mechanical, electrical, structural, and civil components the Works are to be assigned to this project.
- (b) Ensure that Quality Assurance/Quality Control (Qa/Qc) is undertaken to Building Code requirements and Departmental standards.
- (c) Arrange for regular job meetings at the worksite or near the worksite throughout the duration of the contract work. The meetings are to be attended by the Contract Administrator or his/her designate as well as the on-site Inspector, the Contractor and the Department's contact person.
- (d) Minutes of all site meetings shall be recorded and distributed to all in attendance and the copy list.
- (e) Without relieving the Contractor of his contractual and legal obligations in respect thereof, conduct detailed inspection of construction sufficient to ensure that the Work carried out by the Contractor is in conformance with the Drawings and Specifications.
- (f) Co-ordination and staging of other works by third parties on the site including, but not limited to, Hydro, Gas, Communications and other City forces.
- (g) Reports are to be promptly made the Department's contact person regarding unusual or changed site conditions which may or will result in extra work to the project.
- (h) All extra work to the project must be reviewed and approved by the Department's contact person prior to approval being given to the Contractor to undertake the Work.
- (i) Extra work to the project shall not exceed 20% of the awarded contract amount to a maximum of \$500,000.00. The Contract Administrator will be responsible to project final construction costs throughout the duration of the project to ensure the project remains with the budget allowance.
- (j) Keep a continuous and accurate record of working days and days lost due to inclement weather or other unforeseen circumstances during the course of construction.
- (k) In conjunction with the Department, provision of advance notice to adjacent residents and businesses who will have public services and/or access disruptions during construction.
- (l) Enforcement of contractor conformance with the City of Winnipeg Manual of Temporary Traffic Control in Work Areas on City streets in compliance with expected standards of safety for motorists and pedestrians, without relieving the Contractor of his contractual and legal obligations in respect thereof.
- (m) Acting in the interest of the Department, provide responsible, sensitive and prompt reaction to the reasonable requests and complaints of citizens regarding the conduct of the project.

- (n) Arranging for and carrying out testing of materials to ensure conformance with the Drawings and Specifications, without relieving the Contractor of his contractual and legal obligations in respect thereof.

E3. PROJECT CLOSEOUT

E3.1 Final Inspections and Project Acceptance

- (a) As coordinated with the Department's contact person and the Contractor, provide inspection of the completed Works to establish the project milestones of Substantial Performance, Total Performance, and Final Acceptance of the completed project.
- (b) Complete and submit record drawings of the completed mechanical, electrical, structural, and civil works to the Department contact for review within two (2) months of the date of Substantial Performance of the Work.
- (c) Coordinate with the Installation Contractor and Equipment Supplier for all required site testing and commissioning services.
- (d) Coordinate with the Installation Contractor and Equipment Supplier to provide a minimum of four (4) on-site training sessions to provide instruction to City staff on the safe operation of all new equipment including recommended maintenance tasks and schedules.
- (e) Coordinate with the Installation Contractor and Equipment Supplier to provide five (5) full sets of all Operation & Maintenance manuals to the City for all newly installed equipment and devices.

E3.2 Record Drawings

- (a) The preliminary record drawing submission is to consist of a drawing transmittal letter to the Department's Supervisor of Drafting & Graphic Services, copied to the Department's contact person, and along with one (1) complete set of full-size (A1) drawings prints for the Works
- (b) Record drawings are to include all construction details and materials of the completed works, including the following:
 - (i) All construction details,
 - (ii) Complete materials list for each individual component installed,
 - (iii) Date of installation of Works (Substantial Performance),
 - (iv) Installation Contractor.

The reviewed record drawings will be returned with comments (if any) for completion. Once all revisions have been made, submit one (1) complete set of full size (A1) drawing mylars for the Works, complete with the preliminary prints with comments, and the digital file for each as-constructed drawing to the Department's Supervisor of Drafting & Graphic Services. The digital drawing file must have the Water and Waste Department drawing number assigned to that drawing.