

**PART E**  
**SPECIFICATIONS**

## 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 in Adobe Acrobat (.pdf) format on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Division 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:

<u>Drawing No.</u>	<u>Drawing</u>	<u>Pages</u>
Misc. Plan No. 11052	Site	1
508-70	Main Building	3
6082-70	Addition	1
9462-73	Office Building	1
110-74	Main Building Addition	9
3584-74	Grain Silos	1
SWDD100A	St. Boniface Landfill Site	1

#### E2. PREAMBLE

- E2.1 The intent of this contract is to demolish the buildings at 215 Panet Road. Both structures, including their contents, foundations, grade beams, loading ramp and concrete pad are to be taken down, removed from the site and the debris recycled in a practical, cost effective manner. The debris that cannot be recycled is to be taken to the Brady Road Land Fill Site for disposal.
- E2.2 The Contractor is advised that the subject buildings are located on the former St. Boniface Landfill Site and as such, landfill gas (methane & other gases) may be present during demolition. The Contractor shall follow the safety procedures outlined in Appendix A "Construction Safety In and Around Landfills" for the demolition Work of this contract.

#### E3. SCOPE OF WORK

- E3.1 All demolition Work as described on drawings and specified herein.
- E3.2 All site protection, including right of way closures that may be required on roadways and public walkways.
- E3.3 Removal of all demolished materials from the site.
- E3.4 Site restoration as specified and including repair and/or clean up of all public right of ways damaged during demolition operations.
- E3.5 Items to be demolished include the identified buildings and contents from the highest point to the lowest. The basement concrete floor slab of the warehouse building shall be broken into pieces not to exceed 1.8m square in size. The concrete walls of the basement area are to be removed to a point 0.6m below grade. The broken concrete floor slab and the walls of the

basement area are to be left in place. All Piles shall be cut off a minimum of 1.2m below grade. All other foundations, footings, footing bearing pads, building materials, fences and equipment shall be completely removed.

- E3.6 The Contractor shall supply a separate price to remove the concrete floor slab and the remaining portion of the concrete walls in the basement area of the warehouse building.
- E3.7 The recycling of all materials that are re-cyclable including, but not limited to concrete and steel.
- E3.8 Disconnection, removal and capping off of all services and utilities described herein, in accordance with applicable by laws and regulations. Hydro and gas utilities have been disconnected by the City of Winnipeg.

#### **E4. PERMITS, NOTICES, LICENCES, CERTIFICATES, LAWS AND RULES**

- E4.1 Further to 2.2 of the Terms and Conditions, the Contractor shall give all necessary notices, obtain all necessary permits and pay all fees, except for the gas and hydro disconnects, in order that the Work may be carried out. The Contractor shall submit all plans required by any inspection authority and obtain approval of same before proceeding with the Work, and pay any cost attached to the inspection of such plans.
- E4.2 Further to E4.1, the City has arranged to have the gas and hydro connections disconnected and meters removed. The City has applied for the Demolition Permit and it should be in place by the time the successful bidder receives a purchase order for the Work. The Contractor shall pick up and pay for the Demolition Permit, only after the Contractor has removed and capped the sewer and water service lines as described in Clause E6.3 and has the appropriate approval from the City of Winnipeg, Water and Waste Department for having done same. The Contractor may be charged an additional deposit if the sewer and water service lines are not removed prior to picking up the Demolition Permit.
- E4.3 The Contractor shall comply with all laws, ordinances, rules and regulations that would relate to the Work.
- E4.4 All notices, consents, approvals, statements, authorizations, documents or other communications to the City shall be submitted to the Contract Administrator.

#### **E5. REGULATIONS, ACTS, CODES AND BY-LAWS**

- E5.1 The Contractor shall carry out all demolition Work in strict compliance with all applicable regulations, acts, codes, and by-laws including but not restricted to the following: CSA Code S350-M1980 Code of Practice for Safety in Demolition of Structures, Provincial Building Code, Winnipeg Building By-Law, Workplace Safety and Health Act, City of Winnipeg Streets By-law, City of Winnipeg Traffic By-law, Manitoba Highway Traffic Act and City of Winnipeg Manual of Temporary Traffic Control in Work Areas on City Streets, Waterway By-Law and/or regulations having the force of law.
- E5.2 Any fines or penalties that may be levied against the Contractor under any City By-Law will not be considered part of any liquidated damages in connection with this Contract.

#### **E6. UTILITIES**

- E6.1 Further to Clause E4, the Contractor shall comply with all City regulations in respect to use of streets including the crossing of boulevards and sidewalks and to provide and pay for all necessary permits and make good damage resulting there from to the satisfaction of the Contract Administrator.

- E6.2 The Contractor shall arrange for the appropriate utility to disconnect and seal off from the Site, all service lines, pipes or conduits other than gas and hydro, that service the building(s) that is/are to be demolished. The City has arranged to have the gas and hydro connections disconnected and meters removed.
- E6.3 The Contractor shall disconnect and seal off all sewer and water service connections. If the Contractor is unable, or not licensed to complete this Work, the Contractor shall subcontract the Work to a subcontractor licensed by the City to do such Work on behalf of the Contractor.
- E6.4 The Contractor shall provide each utility and the City's Water and Waste Department with adequate prior notification as to when they will require these disconnection and sealing off services.
- E6.5 All costs to disconnect and seal off all of the services described herein shall be paid for by the Contractor, except for the gas and hydro, which will be paid for by the City.

## **E7. PROTECTIVE BARRICADES**

- E7.1 The Contractor shall provide and erect all protective barricades as required for demolition of buildings in accordance with the requirements of the employment safety regulations under the Workplace Safety and Health Act, Employment Safety Act and Winnipeg By-Law No. 1481/77 pertaining to erection of barricades for protection.
- E7.2 The Contractor shall also provide additional temporary barricades or rope off temporary demolition zones in the street right of way as may be necessary for any dangerous demolition operation in order to keep the public away from the Site. Such temporary barricades shall be removed as soon as possible in order to prevent unnecessary interruption of traffic.
- E7.3 The Contractor shall be responsible for maintaining all protective barricades, including gates, walks, lights, etc. in a good operating condition for the entire period of the demolition to the satisfaction of the Contract Administrator.

## **E8. DEMOLITION**

- E8.1 During the period between the award of Contract and the actual demolition, the Contractor shall maintain the building(s) in a boarded up state.
- E8.2 The Contractor shall furnish all labour, plant, materials, equipment and services necessary for the complete demolition of the existing buildings, structures, fences, sidewalks, etc. on the Site. The Contractor shall completely demolish all buildings and structures/foundations that are above and below ground and remove all debris and rubbish from the Site. The Contractor shall not store or permit debris or rubbish to accumulate on the Site for more than one Working Day. The Contractor shall completely clear the Site except for any existing trees, which the Contractor shall protect from damage.
- E8.3 The Contractor shall keep the exposed basement areas of the Site free of water until it has been backfilled to the satisfaction of the Contract Administrator. All equipment, pumps and appurtenances as may be required to keep these areas free of water shall be provided and maintained by the Contractor.
- E8.4 The Contractor shall fill the area below the existing ground exposed by the demolition with compacted high plastic clay, graded for drainage to prevent surface water infiltration. The clay fill shall be free of debris and rubbish of any kind and be approved by the Contract Administrator. The Contractor shall not place backfill material until the Contract Administrator has inspected the excavation. Should any backfill be placed before the permission of the Contract Administrator has been obtained, the excavation shall be re-opened by the Contractor, at his expense.

- E8.5 The Contractor shall control dust from the demolition operations by suitable means to prevent harm to the Work crews, the public, and adjacent property owners, to the satisfaction of the Contract Administrator.
- E8.6 The Contractor shall utilize rubbish chutes to carry down all rubbish from the building under demolition, where required to protect members of public in the area.
- E8.7 The Contractor shall ensure that the demolition operation be conducted with the minimum interference with streets, sidewalks, etc. No salvage material shall be placed or stored on streets, sidewalks, etc. within or surrounding the Site.
- E8.8 The Contractor shall protect all existing trees located on the Site or within the street right-of-way from damage during the demolition operation. The Contractor shall not remove existing trees without the written consent of the Contract Administrator.
- E8.9 The Contractor shall not burn debris or other material on the Site.
- E8.10 Unless directed otherwise by the Contract Administrator, the Contractor shall haul and deposit all material, except as described in Clause E9 and E10, from the Site to the City's Brady Road Landfill site.
- E8.11 The City will be responsible for the tipping fees for all demolition material not salvaged or recycled by the Contractor. Contractor shall submit dump ticket receipts on a monthly basis, for all material deposited as refuse in Brady Road Land Fill Site.
- E8.12 The Contractor shall submit, within twenty-four hours of a request by the Contract Administrator, how many tonnes of organic/building material and how many tonnes of concrete/rubble each Site is expected to generate. The Contractor shall haul the two materials separately; no mixed loads will be accepted at the Brady Road Landfill site.

#### **E9. SALVAGED MATERIALS**

- E9.1 All salvaged building materials resulting from the demolition including fixtures, except items noted hereinafter, shall become the property of the Contractor and shall be removed from the Site. All goods and chattels at the Site shall become the property of the City of Winnipeg, and shall be removed by the City prior to the demolition and sold to offset the cost of the demolition, unless in the judgment of the Contract Administrator these goods have no reclaimable value, in which case, these items shall be disposed of by the Contractor as refuse.
- E9.2 Service meters shall remain the property of the utility owning service.
- E9.3 The Contractor shall disconnect water meters and return them to the City of Winnipeg, Water and Waste Department, Emergency Services, Stores - 552 Plinguet Street, east end of building, within seven (7) days of disconnection.
- E9.4 The Contractor shall supply the Contract Administrator with the water meter receipt received from Water and Waste Department. The receipt shall accompany the Contractor's invoice.

#### **E10. RECYCLING OF CONCRETE**

- E10.1 The Contractor shall recycle all rebar, concrete and concrete products by:
- (i) removing the rebar and crushing the concrete and concrete products to 100 mm down, utilizing the Contractor's own forces or others, then recycling the material as the Contractor sees fit; or
  - (ii) stockpiling rebar, concrete and concrete products on the Contractor's own property for future recycling as the Contractor sees fit; or

- (iii) loading and hauling the rebar, concrete and concrete products directly to the Rocky Road Recycling plant located at 34 Grey Street, Winnipeg. The City will pay for crushing costs and the Contractor shall pay for all costs related to loading and hauling of the material to the crushing plant. The recycled materials will become the property of Rocky Road Recycling.

E10.2 The method that the Contractor uses to dispose of rebar, concrete or concrete products shall be in accordance with all applicable municipal by-laws, Provincial regulations and the requirements of any authority having jurisdiction.

E10.3 The Contractor shall not stockpile rebar, concrete or concrete products at the Site.

#### **E11. PAYMENTS TO CONTRACTOR**

E11.1 Further to GC:12, E8.11 and E4.2, Contractor shall submit a copy of the demolition permit payment receipt and all applicable Brady Road dump ticket receipts, prior to any progress or final payment. This documentation must accompany each invoice for payment from the contractor to the City in respect of this Tender.

#### **E12. VERIFICATION OF WEIGHTS**

E12.1 All material which is paid for on a weight basis shall be weighed on a scale certified by Consumer & Corporate Affairs, Canada.

E12.2 All weight tickets shall have the gross weight and the time and date of weighing printed by an approved electro/mechanical printer coupled to the scale.

E12.3 The tare weight and net weight may either be hand written or machine printed. All weights, scales and procedures shall be subject to inspection and verification by the Contract Administrator. Such inspection and verification may include, but shall not be limited to:

- (a) checking Contractor's scales for Consumer & Corporate Affairs certification seals;
- (b) observing weighing procedures;
- (c) random checking of either gross or tare weights by having such trucks or truck/trailer(s) combinations as the Contract Administrator shall select weighed at the nearest available certified scale;
- (d) checking tare weights shown on delivery tickets against a current tare.

E12.4 The Contractor shall ensure that each truck or truck/trailer(s) combination delivering material which is paid for on a weight basis carries a tare not more than one (1) month old.

E12.5 The tare shall be obtained by weighing the truck or truck/trailer(s) combination on a certified scale and shall show:

- (a) upon which scale the truck or truck/trailer(s) combination was weighed;
- (b) the mechanically printed tare weight;
- (c) the license number(s) of the truck and trailer(s);
- (d) the time and date of weighing.

#### **E13. TRUCK WEIGHT LIMITS**

E13.1 The City shall not pay for any portion of material which results in the vehicle exceeding the maximum gross vehicle weight allowed under *The City of Winnipeg Traffic By-Law*, unless such vehicle is operating under special permit.



**215 Panet Rd – South West**



**215 Panet Rd – South East**





**215 Panet Rd –North East**



**215 Panet Rd –North West**





**215 Panet Rd - Office Building – Front**



**215 Panet Rd - Office Building – Rear**