



# 45-2012 ADDENDUM #1

## UPGRADE HYDRONIC HEATING SYSTEM – 644 PARKDALE

### **URGENT**

**PLEASE FORWARD THIS DOCUMENT TO  
WHOEVER IS IN POSSESSION OF THE BID  
OPPORTUNITY**

ISSUED: March 16, 2012  
BY: Kathy Roberts  
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**THIS ADDENDUM SHALL BE INCORPORATED  
INTO THE BID OPPORTUNITY AND SHALL  
FORM A PART OF THE CONTRACT  
DOCUMENTS**

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Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Bid Opportunity, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 8 of Form A: Bid may render your Bid non-responsive.

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### **PART E – SPECIFICATIONS**

Revise: E1.2 to read: The following are applicable to the Work:

<u>Specification No.</u>	<u>Specification Title</u>
	Table of Contents
21 05 01	COMMON WORK RESULTS FOR MECHANICAL
21 07 20	THERMAL INSULATION FOR PIPING
22 11 18	DOMESTIC WATER PIPING – COPPER
22 11 19	U.V. EQUIPMENT
23 05 05	INSTALLATION OF PIPEWORK
23 05 21	THERMOMETERS AND PRESSURE GAUGES – PIPING SYSTEMS
23 05 29	HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT
23 05 54	MECHANICAL IDENTIFICATION
23 05 93	TESTING, ADJUSTING AND BALANCING FOR HVAC
23 07 13	THERMAL INSULATION FOR DUCTING
23 08 02	CLEANING AND START-UP OF MECHANICAL PIPING SYSTEMS
23 09 33	ELECTRONIC CONTROL SYSTEM FOR HVAC
23 11 23	FACILITY NATURAL GAS PIPING
23 21 16	HYDRONIC SYSTEMS: STEEL
23 21 23	HYDRONIC PUMPS
23 31 14	METAL DUCTS – LOW PRESSURE TO 500 PA
23 52 00	HEATING BOILERS
26 05 01	COMMON WORK RESULTS – ELECTRICAL
26 05 20	WIRE AND BOX CONNECTORS (0-1000V)
26 05 21	WIRE AND CABLES (0-1000V)
26 05 28	GROUNDING – SECONDARY
26 05 29	HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS
26 05 31	SPLITTER, JUNCTION, PULL BOXES AND CABINETS
26 05 32	OUTLET BOXES, CONDUIT FASTENINGS AND CONDUIT FITTINGS
26 05 34	CONDUITS, CONDUIT FASTENINGS AND CONDUIT FITTINGS
26 24 17	PANELBOARDS
26 27 16	ELECTRICAL CABINETS AND ENCLOSURES
26 28 21	MOULDED CASE CIRCUIT BREAKERS
26 28 23	DISCONNECT SWITCHES – FUSED AND NON-FUSED

<u>Drawing No.</u>	<u>Drawing Name/Title</u>
E01-R1	BASEMENT MECHANICAL ROOM PLAN – DEMOLITION
E02-R1	BASEMENT MECHANICAL ROOM PLAN – NEW
E03-R1	SINGLE LINE DIAGRAM AND DETAILS
E04-R1	MECHANICAL EQUIPMENT SCHEDULE, PANEL SCHEDULE AND VFD SCHEMATIC
M01-R2	BASEMENT MECHANICAL ROOM PLAN – DEMOLITION
M02-R0	PARTIAL MAIN FLOOR PLAN, SECTIONS AND SCHEMATIC – DEMOLITION
M03-R3	BASEMENT MECHANICAL ROOM PLAN – NEW
M04-R0	PARTIAL MAIN FLOOR PLAN AND SECTIONS – NEW
M05-R0	HYDRONIC HEATING SCHEMATIC
M06-R1	SCHEMATICS

Add:

### **E3. MATERIAL SAFETY DATA SHEETS**

- E3.1 Comply with requirements of Workplace Hazardous Materials Information System (WHMIS) regarding use, handling, storage and disposal of hazardous materials and regarding labelling and provision of material safety data sheets acceptable to Labour Canada.
- E3.2 Contractor shall provide the Contract Administrator with one (1) copy of Material Safety Data Sheets (MSDS's) for all products to be used in the performance of the Work at least two (2) Business Days prior to bringing such materials to Site.
- E3.3 Throughout the term of the Contract, the Contractor shall provide the Contract Administrator with revisions or updates of the MSDS's as soon as may be reasonably possible.

### **E4. QUALITY OF WORK**

- E4.1 Ensure Quality of Work is of highest standard, executed by workers experienced and skilled in respective duties for which they are employed. Immediately notify Contract Administrator if required Work is such as to make it impractical to produce required results.
- E4.2 Do not employ anyone unskilled in his or her required duties. Contract Administrator reserves right to require dismissal from site, workers deemed incompetent or careless.
- E4.3 Decisions as to standard or fitness of Quality of Work in cases of dispute rest solely with Contract Administrator, whose decision is final.

### **E5. USE OF SITE AND PREMISES**

- E5.1 Contractor shall allow for continued access to the building throughout the construction period and shall ensure that the building's entering and exiting is maintained to the approval of the Local Authorities having Jurisdiction, local by-laws, and Work Place Safety and Health Policies. This will also be applicable to street accesses.
- E5.2 Contractor shall protect surfaces from damage due to construction activities.

### **E6. SITE SAFETY AND TRAFFIC CONTROL**

- E6.1 Contractor shall observe and enforce all construction safety measures required by the Manitoba Building Code, Worker's Compensation Board, Municipal Statute or By-Laws. In the event of a conflict between any provisions of the above authorities, the most restrictive provision shall apply.
- E6.2 All Work performed shall meet Workplace Safety and Health Act standards. Contractor shall ensure that all workers follow safe working practises, including but not limited to CSA Z462-08 and NFPA 70E.

- E6.3 Contractor shall be responsible for taking steps to protect building staff and the public from any hazards related o the Work.
- E6.4 Contractor shall maintain traffic flow around the building. Contractor's operations shall in no way interfere with the safe movement of vehicle and pedestrian traffic. Keep all fire lanes, egress, and access routes clear at all times.

**E7. HOUSEKEEPING**

- E7.1 Further to 21 05 01 1.11.
- E7.2 All interior areas, sidewalks, streets, approaches, driveways and properties near the Work Site shall be kept clean of debris and materials related to the Work at all times by the Contractor.
- E7.3 Contractor shall take care to ensure that surrounding surfaces in the Work area are not damaged by tools or materials. Contractor shall be responsible to replace and/or make repairs to the Contract Administrator's satisfaction any surface and/or equipment damaged during the Work.
- E7.4 Contractor shall maintain a clean and safe Work area.
- E7.5 Total Performance of the Work shall not be attained until the Contractor has cleaned up the Site and has removed all plant and surplus products, tools, construction materials and equipment. The Contractor shall also have removed waste products and debris.

**DRAWINGS**

Replace: 45-2012 Drawing\_E01-R0 with 45-2012 \_Addendum\_#1 Drawing E01-R1

Replace: 45-2012 Drawing\_E03-R0 with 45-2012 \_Addendum\_#1 Drawing E03-R1

Replace: 45-2012 Drawing\_M01-R1 with 45-2012 \_Addendum\_#1 Drawing M01-R2

Replace: 45-2012 Drawing\_M03-R2 with 45-2012 \_Addendum\_#1 Drawing M03-R3