

498-2006 ADDENDUM 3

WINNIPEG WATER TREATMENT PROGRAM – CONSTRUCTION OF STANDBY GENERATOR BUILDING AND ANCILLARY BUILDINGS

URGENT

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

ISSUED: September 29, 2006
BY: Lawrence Recksiedler, C.E.T.
TELEPHONE NO. (204) 986-4246

**THIS ADDENDUM SHALL BE INCORPORATED
INTO THE BID OPPORTUNITY AND SHALL
FORM A PART OF THE CONTRACT
DOCUMENTS**

Template Version: A20050301

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 10 of Form A: Bid may render your Bid non-responsive.

PART A – BID SUBMISSION

Replace: 498-2006_Bid_Submission with 498-2006_Addendum_3-Bid_Submission. Form G2 has been replaced by Form G2(R1).

PART B – BIDDING PROCEDURES

Revise: B2.1 to read: The Submission Deadline is 12:00 noon Winnipeg time, October 19, 2006.

PART E – SPECIFICATIONS

Section 01210

Section 01210 has been added and forms part of this Addendum.

Section 01300

Replace: Section 01300 with Section 01300 (R1).

Section 01450

Replace: Section 01450 with Section 01450 (R1).

Section 01650

Section 01650 has been added and forms part of this Addendum.

Section 01664

Section 01664 has been added and forms part of this Addendum.

Section 02451

Revise: 3.3.2 to read: Pre-bore with a 400 mm diameter auger bit to a depth no lower than elevation 224.600. Pre-bore with a 400 mm diameter auger to a minimum depth of 224.600. Pre-bore shall not exceed this depth unless authorized by the Contract Administrator in writing.

Revise: 3.5.7 to read: Re-strike already driven piles lifted from original set during driving of adjacent piles to confirm and assure set. Maximum allowable uplift of piles from original set is 3 mm. The Contractor should expect the influence of uplift from driving adjacent piles to be up to 9 m

and that it may be necessary to re-strike piles more than once until minimum acceptable uplift of 3 mm is achieved.

Section 03300

- Add: 3.1.18 Prior to the erection of the formwork for walls, the construction joint shall be sand blasted and cleaned as per Clause 3.14 of this specification section. A layer of grout slurry approximately 12 mm to 25 mm thick shall be placed immediately prior to the placement of concrete.
- Revise: 3.14.3 to read: The surface of hardened concrete shall be thoroughly cleaned of foreign matter and laitance by sand blasting, and shall be thoroughly wetted with water, but not saturated, and the forms shall be re-tightened against the face of the hardened concrete before depositing additional concrete. Any concrete splatter on reinforcing bars shall be removed by sand blasting or other mechanical means.

Section 08335

Replace: Section 08335 with Section 08335 (R1).

Section 15080

- Add: 1.1.5 Multiple pipe penetrations through roof
- Add: 2.10 Multiple pipe penetrations through roof
- Add: 2.10.1 This applies only to the condensing units (CU-H224A, CU-H224A) where there are multiple pipes going through roof.
- Add: 2.10.2 Each condensing unit shall utilize the Portals Plus Pipe Portal System as manufactured by Portals Plus, Inc. The system shall consist of, but not limited to, a roof curb, curb cover, molded cap and fasteners.
- Add: 2.10.3 Roof Curb: Curb to be suitable for roofs with rigid insulation, 18 gauge galvanized construction with integral base plate, continuously welded corner seams, wood nailer, and 40 mm rigid insulation. Standard of acceptance: Portals Plus model RC-4A.
- Add: 2.10.4 Curb Cover: laminated, acrylic coated, ABS plastic curb cover with pre-punched holes and molded sealing ring on an 200mm (8") collared opening.
- Add: 2.10.5 Molded Cap: An EPDM (Ethylene Propylene Diene Monomer) compression molded cap shall be utilized. Style of cap shall allow up to four (4) pipe penetrations and be sized to fit the condensing unit piping. All Caps shall include Portals Plus' stainless steel Snaplock Clamps.
- Add: 2.10.6 Manufacturer contact information:
Portals Plus
484 N. Thomas Drive
Bensenville, IL 60106
Telephone: (603) 595-7320
Fax: (630) 766-5259

Website: <http://www.portalsplus.com>
- Add: 3.8 Multiple pipe penetrations through roof
- Add: 3.8.1 Attachment and installation of the Pipe Portal shall be done in accordance with Portals Plus' instructions and the roofing membrane manufacturer's recommendations.

Section 15900

- Add: 1.3.1.6 The Building Automation Systems (BAS) for the Clearwell Building(s) and the Emergency Generator Building shall interface with the Main Water Treatment Plant BAS and the SCADA System.
- Add: 1.3.1.7 The Building Automation (i.e. Controls Contractor) for the Main Water Treatment Plant shall be used as the Base Bid for this Bid Opportunity. All other Controls Contractors shall be carried as Alternate Bids.

Section 15940

- Add: 4.2 Sump Pump High Level Alarm
- Add: 4.2.1 The sump pump high level alarm shall be integrated into the BAS as a HVAC General Alarm.
- Add: 4.2.2 There shall be an alarm for the Clearwell Building Sump.
- Add: 4.3 Low Building Temperature Alarm
- Add: 4.3.1 There shall be a low building temperature alarm if the Clearwell Building Sump Pump Area drops below 4.4C / 40F. This alarm shall be integrated into the BAS as a HVAC General Alarm.
- Add: 4.3.2 There shall be a low building temperature alarm for the Clearwell Inlet Building if the space temperature drops below 4.4C / 40F. This alarm shall be integrated into the BAS as a HVAC General Alarm.

Section 16322

This Section has been added and forms part of this Addendum.

DRAWINGS

The following Drawing has been added and forms part of this Addendum:

For the Treated Water Storage Inlet Building:

<u>Consultant Dwg No.</u>	<u>City Drawing No.</u>	<u>Drawing Title</u>
WT-E0401	1-0601T-A-E0401-001-00D	Electrical - Sections

The following Drawings have been revised and form part of this Addendum:

<u>Consultant Dwg No.</u>	<u>City Drawing No.</u>	<u>Drawing Title</u>
WG-B0100	1-0601G-A-B0100-001-01D	ARCHITECTURAL - CRAWL SPACE AND MAIN FLOOR PLANS
WG-B0301	1-0601G-A-B0301-001-01D	ARCHITECTURAL - BUILDING ELEVATIONS
WG-S0003	1-0601G-A-S0003-001-02D	STRUCTURAL - STANDARD DETAILS
WG-S0110	1-0601G-A-S0110-001-01D	STRUCTURAL - MAIN FLOOR FRAMING PLAN
WG-S0402	1-0601G-A-S0402-001-01D	STRUCTURAL - DETAILS
WG-S0404	1-0601G-A-S0404-001-02D	STRUCTURAL - DETAILS
WG-H0100	1-0601G-A-H0100-001-01D	MECHANICAL - PLUMBING PLAN - CRAWLSPACE PLAN AND MAIN LEVEL PLAN
WG-H0120	1-0601G-A-H0120-001-01D	MECHANICAL - VENTILATION PLAN
WG-H0140	1-0601G-A-H0140-001-01D	MECHANICAL - VENTILATION PLAN
WG-H0203	1-0601G-A-H0203-001-01D	MECHANICAL - VENTILATION SECTIONS
WG-H0401	1-0601G-A-H0401-001-01D	MECHANICAL - VENTILATION STANDARD DETAIL
WG-H0501	1-0601G-G-H0501-001-01D	MECHANICAL - COOLING AND VENTILATION SCHEMATICS
WG-H0502	1-0601G-G-H0502-001-01D	MECHANICAL - GN-E901A COOLING AND VENTILATION SCHEMATICS
WG-H0503	1-0601G-G-H0503-001-01D	MECHANICAL - GN-E902A COOLING AND VENTILATION SCHEMATICS
WG-H0504	1-0601G-G-H0504-001-01D	MECHANICAL - GN-E903A COOLING AND VENTILATION SCHEMATICS

Standby Power Generator Building (cont'd)

<u>Consultant</u>		
<u>Dwg No.</u>	<u>City Drawing No.</u>	<u>Drawing Title</u>
WD-E0112	1-0601D-A-E0112-001-01D	ELECTRICAL - DBPS FLOOR PLAN
WG-E0001	1-0601G-A-E0001-001-01D	ELECTRICAL - SITE PLAN
WG-E0002	1-0601G-A-E0002-001-01D	ELECTRICAL - PARTIAL SITE PLAN
WG-E0003	1-0601G-A-E0003-001-01D	ELECTRICAL - SITE DETAILS
WG-E0102	1-0601G-A-E0102-001-01D	ELECTRICAL - CRAWLSPACE POWER PLAN AND SECTIONS
WG-E0103	1-0601G-A-E0103-001-01D	ELECTRICAL - CRAWLSPACE AND MAIN FLOOR GROUNDING PLANS
WG-E0112	1-0601G-A-E0112-001-01D	ELECTRICAL - MAIN FLOOR POWER PLAN
WG-E0403	1-0601G-A-E0403-001-01D	ELECTRICAL - BUILDING DISTRIBUTION SINGLE LINE DIAGRAM
WG-E0404	1-0601G-A-E0404-001-01D	ELECTRICAL - CRAWLSPACE CABLE TRAY DETAILS
WG-E0502	1-0601G-A-E0502-001-01D	ELECTRICAL - SCHEDULES

For the Treated Water Storage Inlet Building:

<u>Consultant</u>		
<u>Dwg No.</u>	<u>City Drawing No.</u>	<u>Drawing Title</u>
WT-M0003	1-0601T-A-M0003-001-01D	MECHANICAL - VENTILATION - PLAN
WT-E0112	1-0601T-A-E0112-001-01D	ELECTRICAL - POWER AND FIRE ALARMS - FLOOR PLANS