



ADDENDUM 1 BID OPPORTUNITY 37-2006

WINNIPEG WATER TREATMENT PROGRAM – SURGE TOWER CONSTRUCTION

ISSUED: May 26, 2006
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URGENT

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

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

Template Version: A20050506

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: 37-2006_Bid_Submission with 37-2006_Addendum_1-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 Form G2 has been replaced by Form G2(R1).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, June 9, 2006.

PART D – SUPPLEMENTAL CONDITIONS

Revise: D17.1(a) to read : The Contractor shall complete the installation of the temporary pipe supports as noted in Item 5 of the construction sequence (Drawing WY-S0453) within fourteen (14) calendar days from the commencement of the Work noted in Item 5 but in no event later than September 29, 2006.

PART E – SPECIFICATIONS

Revise: E14.2 to read: Supply and install a 30 mm temporary water service to the site office cw heat trace and insulation (match existing), hook the temporary water line to the 30 mm temporary water line that is currently feed out of the east side of the water building. Supply and install a 100 amp 120/208V single phase service (Teck cable) from the existing electrical panel in the water building to the existing panel in the site office, supply and install a 100 amp – 600V breaker & 600V to 120/208V transformer for transformation at existing 600 V panel. Bury the temporary water service cw 75 sand bedding in a 300 mm deep trench located adjacent to the fence. Bury the electrical service between the water building and the fence east of the water building, run the remainder of the service cable above grade along and fastened to the fence.

Section 02223

Revise: 3.5.2.5 to read: Granular Fill around Structure: backfill around structures with Type 1 pit run granular between structure and shoring and minimum 1000 mm as shown on the Drawings, placed in uniform lifts not greater than 200 mm in thickness and compacted to a density of at least 95% Standard Proctor Density.

Delete: 3.5.2.8

Section 02223

Add: 3.5.2.10 Clay Cap around Structure: backfill around structure between granular and top soil with Type 4 common clay backfill, placed in uniform lifts not greater than 200 mm in thickness and compacted to a density of at least 95% Standard Proctor Density.

Section 02451

Revise: 3.5.10 to read: Cut off piles neatly and squarely at elevation ranges as indicated on the Drawings. Final cut off elevations will be confirmed during construction. Provide sufficient length above cut-off elevation so that the part damaged during driving is cut off. Do not cut tendons or other reinforcement which will be used to tie supported structure above to pile. A minimum of 700 mm of strands shall remain for this purpose. The cut off surface of the piles shall be mechanically chipped to expose sound concrete.

Section 03250

Revise: 2.2.3.1 to read: PVC waterstops shall conform to CGSB 41-GP-35M Polyvinyl Chloride Waterstop, size indicated on Drawings, edges wire looped for tying. Acceptable product is Wirestop CR-6380 and CR-9380 by Paul Murphy.

Section 05550

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

Section 07550

Revise: **Table 1: Required Membrane Characteristics** to read:

PROPERTY	ASTM TEST	REQUIREMENTS	YES	NO
Thickness	D751	± 10%		
Breaking Strength, minimum	D751	14.0 kN/m		
Elongation @ Fabric Break	D751	80%		
Elongation @ Rubber Break	D751	350%		
Elongation, Ultimate	D421	400%		
Tearing Resistance, minimum	D624, DIEC	35.0 kN/m		
Tongue Tear Strength, minimum	D751	156 N		
Brittleness Point, maximum	D2137	-60°C		
Ozone Resistance (7 days @ 100 pphm, 20% elong 40°C)	D1149	No cracks @7 x mag		
Water Absorption, maximum	D471	+ 1%		
Factory Seam Strength	D816	9.6 kN/m		
HEAT AGING, 28 DAYS @ 115°C				
Breaking Strength, minimum	D751	7.5 kN/m		
Elongation @ Rubber Break	D751	250%		
Elongation, Ultimate	D421	250%		
Tearing Resistance, minimum	D624, DIEC	30.6 kN/m		
Tongue Tear Strength, minimum	D751	111 N		
Linear Dimensional Change, maximum	D1204	±1%		

Section 08700

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

Section 15200-00

- Add: 2.7 Rain water leader piping from the roof drain shall consist of the following:
- Add: 2.7.1 100mm diameter cast iron pipe to CSA B70 with gasket & clamp (MJ) joints
- Add: 2.7.2 Support piping with galvanized clevis hangers and galvanized threaded rod
- Add: 2.7.3 Piping shall run down the tower adjacent to the overflow pipe and terminate with a 90° elbow and 350mm straight section discharging to a concrete splash pad.

Section 15855

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

DRAWINGS

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

**CONSULTANT
DRAWING NO.****CITY DRAWING NO.****DRAWING TITLE**

WY-A0453	1-0601Y-H-A0453-001-01B	AUTOMATION / I&C - HIGH HIGH LEVEL SWITCH - LOOP DIAGRAM
WY-A0454	1-0601Y-H-A0454-001-01B	AUTOMATION / I&C - LEVEL TRANSMITTER PT-Y010B - LOOP DIAGRAM
WY-A0455	1-0601Y-H-A0455-001-01B	AUTOMATION / I&C - LEVEL TRANSMITTER PT-Y010A - LOOP DIAGRAM
WY-A0456	1-0601Y-H-A0456-001-01B	AUTOMATION / I&C - VC-305 VALVE VAULT FLOOD SWITCH - LOOP DIAGRAM
WY-B0100	1-0601Y-A-B0100-001-01D	ARCHITECTURAL - MAIN ENTRY, INTERMEDIATE, OVERFLOW, AND SOFFIT PLANS, DETAILS
WY-B0300	1-0601Y-A-B0300-001-01D	ARCHITECTURAL - ELEVATIONS
WY-B0400	1-0601Y-A-B0400-001-01D	ARCHITECTURAL - PLAN & SECTION DETAILS
WY-C0100	1-0601Y-A-C0100-001-01D	CIVIL - SITE LOCATION AND EXCAVATION PLAN
WY-E0110	1-0601Y-A-E0110-001-01D	ELECTRICAL - SITE PLAN, SCHEDULES AND DETAILS
WY-E0450	1-0601Y-A-E0450-001-01D	ELECTRICAL - LIGHTNING PROTECTION - ROOF PLAN, DETAILS AND SECTIONS
WY-P0010	1-0601Y-G-P0010-001-01D	PROCESS - SURGE TOWER - PROCESS AND INSTRUMENTATION DIAGRAM
WY-S0140	1-0601Y-A-S0140-001-01D	STRUCTURAL - GENERAL NOTES
WY-S0150	1-0601Y-A-S0150-001-01D	STRUCTURAL - PLAN AND SCHEDULES AND DETAILS
WY-S0151	1-0601Y-A-S0151-001-01D	STRUCTURAL - INTERMEDIATE, ROOF, ROOF BEAM AT OVERFLOW PLAN
WY-S0152	1-0601Y-A-S0152-001-01D	STRUCTURAL - PLAN, SECTION AND DETAIL
WY-S0250	1-0601Y-A-S0250-001-01D	STRUCTURAL - SECTIONS
WY-S0251	1-0601Y-A-S0251-001-01D	STRUCTURAL - DETAILS AND SECTIONS
WY-S0450	1-0601Y-A-S0450-001-01D	STRUCTURAL - PARTIAL PLAN, DETAILS AND SECTIONS
WY-S0451	1-0601Y-A-S0451-001-01D	STRUCTURAL - DETAILS
WY-S0452	1-0601Y-A-S0452-001-01D	STRUCTURAL - UNDERPINNING OF VALVE CHAMBER DRV 305
WY-S0453	1-0601Y-A-S0453-001-01D	STRUCTURAL - OUTFALL PIPE SUPPORT SHORING SECTIONS
WY-S0454	1-0601Y-A-S0454-001-01D	STRUCTURAL - OUTFALL PIPE SUPPORT AND SHORING AT NORTH END
WY-S0455	1-0601Y-A-S0455-001-01D	STRUCTURAL - OUTFALL PIPE SUPPORT AND SHORING @ SOUTH END