



ADDENDUM 2 BID OPPORTUNITY NO. 96-2007

CITY OF WINNIPEG WATER TREATMENT PROGRAM SUPPLY AND INSTALLATION OF FORCEMAIN

URGENT

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

ISSUED: August 21, 2007
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**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: 96-2007_Addendum_1-Bid_Submission with 96-2007_Addendum_2-Bid_Submission. Form B: Prices has been replaced by Form B(R1): Prices.

The following changes to Form B: Prices have been made:

- Item No. A.1.d) Quantity has been revised
- Item No. A.1.e) Installation technique and quantity have been revised
- Item No. A.2.a) Quantity of 250 mm diameter valves has been revised
- Item No. A.2.b) 200 mm diameter valve have been added
- Item No. A.7. Connection 1 – Polyethylene to PVC has been added
- Item No. A.8. Floodway Restoration has been added
- Item No. B.3. CSP sizing has been revised
- Item No. B.4. CSP sizing has been revised
- Item No. B.8. Quantity has been revised

PART E – SPECIFICATIONS

Section 02223

Revise: 3.6.2 to read: Where existing culverts must be removed in the course of construction, the Contractor shall salvage said culverts and place them in their original location and grade subsequent to the completion of construction. Where the existing culvert has deteriorated, ie. rusted and is not salvageable, the Contractor shall dispose of the culvert and the owner shall provide a new culvert. The Contractor shall be required to install the new culvert in place of the original as an incidental.

Section 02531

Revise: 1.5.7 to read: "Surcharge for Crossing No. 3 – Floodway" will be measured on a lump sum basis which shall include mobilization and demobilization of specialized equipment, horizontal directional drilling, and completion of works (excluding restoration) as specified in Section 02532 – Forcemain Crossing Floodway Channel and all other materials and work necessary or incidental thereto for which separate payment is not elsewhere provided.
NOTE: Payment will be as a surcharge lump sum price in addition to the unit price bid for supply and installation of dual containment piping.

- Add: 1.5.9 "Connection 1- Polyethylene to PVC" will be measured on a lump sum basis which shall include 250 mm to 200 mm PVC reducer, anchor block, 250 mm flange connection on polyethylene piping, 250 mm uni flange connection on PVC piping, PVC between existing PVC forcemain and PVC to Polyethylene connection, and all other materials and work necessary or incidental thereto for which separate payment is not elsewhere provided.
- Revise: 3.12.16 to read: For dual containment piping complete hydrostatic testing as per Section 02533, item 3.12 "Pressure Testing of Forcemain before Installation" and item 3.15 "Hydrostatic Testing of Forcemain After Installation".

Section 02533

- Add: 1.5.7 "Floodway Restoration" will be measured on a lump sum basis which shall include finish grading of floodway channel, seeding, straw mulch, and completion of related works as specified in Section 02532 – Forcemain Crossing Floodway Channel and all other materials and work necessary or incidental thereto for which separate payment is not elsewhere provided.
- Revise: 2.1.1 to read: Dual containment HDPE plain end pipe consisting of a 400 mm Diameter (IPS) DR11 containment pipe with a 250 mm diameter (IPS) DR 17 carrier pipe. Dual Containment Systems shall only be pre-fabricated in a controlled factory environment by fabricators and manufacturers meeting the technical requirements of Clauses 3.9.2 and 3.9.10.
- Revise: 2.1.7 to read: Dual containment pipe configuration to be as follows:
- .1 Containment pipe – Minimum 400 mm diameter (IPS) with maximum DR 11.
 - .2 Carrier pipe – Minimum 250 mm diameter (IPS) with maximum DR 17.
 - .3 Finish pipe ends for joining using the butt fusion method.
 - .4 Notwithstanding the above, the annulus between the carrier pipe and the containment pipe shall not be obstructed by the butt fusion bead on the carrier pipe to such an extent that would preclude the monitoring of pressure in the annulus area with a single pressure sensor as noted herein.
 - .5 Ensure that fusion machine selected for use is compatible with simultaneous fusion of containment pipe and carrier pipe at maximum DR's noted or modify DR (within constraints noted in .1, .2, and .4 above) to match technical constraints of fusion machine proposed for use.
 - .6 Should the manufacturer not be able to demonstrate compliance with .4 and .5 above, any modifications to dual containment system shall be supplied and installed at no additional cost to the Contract. In the event of an insufficient annulus for monitoring the containment pipe shall be upsized as opposed to down-sizing the carrier pipe.
- Revise: 3.9.10 to read: The manufacturer of the dual containment system shall have demonstrated successful installations for a period no less than five (5) years.
- Add: 3.14.5 Note that the Abandoned GWWD Aqueduct that is noted as abandoned in the vicinity of FM Chainage 20+00 to 20+20 is still physically in the ground and was abandoned by filling the pipe with a flowable cement fill. Remove and dispose of a short section of Abandoned GWWD Aqueduct as necessary to facilitate HDPE Dual containment installation and re-seal abandoned GWWD pipe by forming and pouring a stiff concrete plug at both sides. Minimum width of removal shall extend to 1 full metre from outside of dual containment pipe. Minimum depth of removal shall be to 450 mm below invert of dual containment pipe. Work is incidental to supply and installation of forcemain floodway crossing.

Drawings

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

Consultant

<u>Drawing No.</u>	<u>City Drawing No.</u>	<u>Drawing Name/Title</u>
WZ-C0118	1-0601Z-C-C0118-001-01D	CIVIL – GWWWD AQUEDUCT R.O.W. - STA. 27+40 TO STA. 29+10
WZ-C0121	1-0601Z-C-C0121-001-01D	CIVIL – AIR RELEASE CHAMBER - PLAN AND SECTION AND DETAILS