



789-2016 ADDENDUM 1

RUBY OUFALL GATE CHAMBER UPGRADES

URGENT

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

ISSUED: September 30, 2016
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THIS ADDENDUM SHALL BE INCORPORATED INTO THE BID OPPORTUNITY AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS

Template Version: A20160708

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 E – SPECIFICATIONS

Add: E8.8 The Contractor is advised there are overhead hydro power lines running along the south side of the Palmerston Avenue and adjacent to the proposed Ruby Outfall Chamber. These power lines are 3 phase with a 4kv primary voltage. The Contractor shall comply with all regulatory requirements while working in close proximity of these lines at no additional cost to the project.

Revise: E23.3.1 (a) to read: Install the cast iron sluice gate, wall thimble, mechanical lift operator, stem, wall brackets and accessories as shown on the drawings and in accordance with the manufacturer's recommendations. **See Appendix E for gates drawings and manufacturer's installation recommendations.**

Revise: E24.3.1 (a) to read: Install the cast iron flap gate and wall thimble as shown on the drawings and in accordance with the manufacturer's recommendations. **See Appendix E for gates drawings and manufacturer's installation recommendations.**

SECTION 22 14 29.16 – SUBMERSIBLE SUMP PUMP

Revise: 2.1.1 to read: Provide Flowserve 8M5X11A or **Barnes 8SHDU30054** or **Xylem Flygt Submersible Pump**, maximum 1800 rpm, and operating design condition point of 114 L/s at 12.2 m T.D.H.

DRAWINGS

Replace: 789-2016_Drawing_LD-7934-R1 with 789-2016_Addendum_1_Drawing_LD-7934-R2
789-2016_Drawing_LD-7935-R1 with 789-2016_Addendum_1_Drawing_LD-7935-R2
789-2016_Drawing_LD-7936-R1 with 789-2016_Addendum_1_Drawing_LD-7937-R2

Add: 789-2016_Addendum_1_Drawing_LD-7956-R1

APPENDICES

Add: Appendix E 789-2016_Addendum_1_Appendix_E_Sluice_and_Flap_Gate_Shop_Drawings_and_Installation_Recommendations

QUESTIONS AND ANSWERS

- Q1.** Please specify shipping weights and dunnage/packing dimensions for both the City Supplied Sluice and Flap Gates.
- A1.** Total weight of sluice gate and flap gate along with thimble (all together) is approximately 18, 144 kg (40,000 lb), and the overall width of packing is approximately 2800 mm.
- Q2.** Has the 'Waterway' Permit been applied for yet and when is it expected to be issued?
- A2.** The City will apply and obtain the Waterway permit.
- Q3.** Please nominate several 3rd party "Residential Inspection" representatives acceptable to the Contract Administrator.
- A3.** It is solely the responsibility of the Contractor to source a qualified Residential Inspector that conforms to the specifications.
- Q4.** Please provide a Scope of Work for the Vibration Monitors, detailing required equipment, reporting protocols, and other specific information needed by the City. Please advise if there is a specific level of vibration that is unacceptable.
- A4.** It is the Contractor's responsibility to determine amount of vibration induced by different onsite equipment to adjacent properties. Since the level of induced vibration varies from equipment to equipment and different structures behave differently under the induced vibration, the Contractor shall apply his/her discretion to formulate necessary vibration monitoring plan that caters for his/her equipment and site condition to preclude aesthetic and structural damage to adjacent properties. In general, induced vibration shall be monitored and reported to the Contract Administrator during all critical stages of work such as driving shore piles, cutting existing SRS, using backhoe for excavation etc.
- Q5.** Please advise if Sheet Pile, and Soldier Pile/Lagging, are both acceptable as Construction Methodology to the City.
- A5.** Steel sheet pile and soldier pile/lagging are both acceptable to the City.
- Q6.** Is One-sided Formwork acceptable to the City?
- A6.** Formwork shall comply with CW 2160.
- Q7.** Who is to provide Test/Inspect For plastic &/or cured concrete and pit located or site placed fill or aggregate?
- A7.** The Contractor shall comply with the Material Testing Method specified in CW 2030 and Concrete Testing specified in CW 2160.
- Q8.** What Notifications &/or Arrangements have been made with Private Property Owners for Temporary Use of their Lands? Have they agreed to the use of their Property by Others?
- A8.** The works are being done on City property. The Contractor will be responsible for all arrangements regarding private property use if they so desire. Private property owners will be notified of the pending construction activities.
- Q9.** Has an Erosion Sediment Control Plan been prepared?
- A9.** An Erosion and Sediment Control Plan has not been prepared, however it is recommended that as a good practice, an erosion protection riprap blanket covering a layer of non-woven geotextile be placed around the discharge area at the outfall locations. This work shall be at no additional cost to the Contract.
- Q10.** How can access to RA Steen Community Centre (immediate adjacent to the worksite) be facilitated?
- A10.** It is the Contractor's responsibility to inspect the site and propose a temporary access based on site conditions and the Contractor's construction methodology to the acceptance of the City. However, if maintaining the

temporary access requires relocating existing hydro pole on east side boulevard of the existing access, the City will arrange and pay for that relocation.

Q11. Drawing C03: indicates (essentially) no heavy or vibration causing equipment is allowed within 3-5m of the SRS. Is the City aware that both heavy or vibration causing equipment is required to construct the work, and to be in close proximity to the SRS.

A11. It appears the note on the drawing has been incorrectly interpreted, since the note refers to working around Feedermain for discharge piping installation and not for SRS.

Q12. When will the MB Hydro Service become available?

A12. We are unable to provide a definite date at this time, however it is anticipated that this will be available prior to Substantial Performance.

Q13. Please provide an attendee list, and meeting minutes, for the (non)-mandatory Site Visit on September 23?

A13. Meeting minutes and list of attendees will not be provided.

Q14. Please specify where the Staging Area is to be located?

A14. The City may place restrictions on the street upon request from the successful Contractor to allow for some staging, however the City will make the Aubrey Gate Chamber site available to the successful Contractor for any required staging. The Aubrey site is located approximately 150 metres west of the Ruby Gate Chamber at the intersection of Palmerston Avenue and Aubrey Street. The Contractor shall be responsible for the staging area location to the acceptance of the City.

Q15. Please confirm if Owner will be supplying electrical power during construction.

A15. It is the Contractors responsibility to arrange and provide all temporary electrical power to facilitate construction.

Q16. Please provide specifications for emergency stop button in pump chamber.

A16. Emergency stop pushbutton shall be Allen-Bradley 'Bulletin 800H' Type 7 & 9 with Maintained Contact 2-positions Push and Pull Non-illuminated.

Q17. Are Roxtec seals required for all underground conduits for example conduit between the CSTE and Control Panel or just conduits coming directly from the pump and gate chambers.

A17. Seals are required just for conduits directly coming from the pump and gate chamber only.

Q18. Please provide spec for the concrete pull pit/ rating for steel cover.

A18. Pull pit shall E1B c/w E3, bottom opening for water drain by Utility Structures Inc. or approved equal. Steel cover shall be compatible with City of Winnipeg roadway manholes and cover.

Q19. Please clarify Zone/Class rating of the concrete pull pit.

A19. The classification is wet location.

Q20. Is cable protection required for power and control cables for the sluice gate actuator?

A20. Please refer to 789-2016_Addendum_1_Drawing_LD_7935-R2. Cable was change to Teck. Provide uni-strut mounting support for cable wiring to Sluice Gate Actuator

END OF ADDENDUM 1