

## 590-2021 ADDENDUM 2

### CONDITION ASSESSMENTS OF THREE REGIONAL DISTRIBUTION RESERVOIRS

#### **URGENT**

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

ISSUED: December 3, 2021  
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**THIS ADDENDUM SHALL BE INCORPORATED INTO THE BID/PROPOSAL AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS**

Template Version: Add 2021-03-05

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**Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Bid/Proposal, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 10 of Form A: Bid/Proposal may render your Bid/Proposal non-responsive.**

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#### **PART D – SUPPLEMENTAL CONDITIONS**

- Revise: D9.2.1(i) to read: Perimeter Drainage (Weeping Tile) Systems;
- (i) inspect representative areas of the perimeter drainage system;
  - (ii) estimate the volume of water leakage into the perimeter drainage system;
  - (iii) determine the likely source(s) of any reservoir leakage;
  - (iv) determine the condition of the inspected portions of the perimeter drainage system.
- Add: D9.2.1 (l): Subgrade valve chambers (four in total) at the MacLean Reservoir;
- Revise: D10.8 to read: Conduct a *limited perimeter drainage system* inspection of the MacLean Reservoir.
- Add: D10.8.3: The inspection shall be limited to 600 metres of the perimeter foundation drain only.
- Add: D10.11 Conduct an inspection of four (4) subgrade valve chambers located in close vicinity of the MacLean reservoir. These include the two (2) inlet valve chambers abutting the reservoir structure on the northwest and southwest corners, as well as valve chambers "B" and "C", located approximately 14 m west of the reservoir, along the Branch Aqueduct Interconnector pipe. The inspections shall be limited to structural components only, including, but not limited to:
- (i) cast-in-place concrete floors and walls;
  - (ii) miscellaneous metal appurtenances;
  - (iii) pre-cast concrete roof panels; and
  - (iv) structural steel.
- Add: D10.11.1 Provide a technical memorandum summarizing the findings of the valve chamber inspections. The memorandum shall:
- (a) summarize the findings of the inspections;

- (b) provide recommendations for rehabilitation, if required, to obtain an additional 50 years of operational life from the structural components of the valve chambers.
- (c) provide a recommendation on future inspection frequency;
- (d) provide a Class 5 cost estimate for the recommended rehabilitation; and
- (e) provide the inspection reports as an appendix.

- Revise: D11.8 to read: Conduct a *limited perimeter drainage system* inspection of the McPhillips Reservoir.
- Add: D11.8.3: The inspection shall be limited to 500 metres of the perimeter foundation drain only.
- Revise: D12.8 to Conduct a *limited perimeter drainage system* inspection of the Wilkes South Reservoir.
- Add: D12.8.4: The inspection shall be limited to 400 metres of the perimeter foundation drain only.
- Revise: Appendix A: Added document: “**McPhillips Reservoir West Cell Slope Remediation**” letter report by UMA Engineering Ltd, dated December 14, 2000. The document can be obtained via the link previously supplied by the Materials Management Contract Officer to Proponents having completed a Non-Disclosure Agreement.

## **QUESTIONS AND ANSWERS**

Q1: Please confirm the extent of the drainage system inspections. Are we to assume all drainage piping is to be included: both perimeter drains and internal reservoir floor drains?

A1: The scope of the drainage system inspections has been modified in this addendum. The inspection will be limited to a partial inspection of the perimeter drainage piping only for representative conditions. Specified inspection distances have been added to each reservoir. The floor drains and associated piping to the sumps are excluded from this assignment.

Q2: Can you provide any additional documentation such as a geotechnical investigation related to the slope remediations completed at the McPhillips Reservoir in the early 2000s?

A2: A related design report document has been added to the Appendix A reference documents.