

Construction of Water Treatment Plant Protected Connections

URGENT

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

ISSUED: October 15, 2012
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THIS ADDENDUM SHALL BE INCORPORATED INTO THE BID OPPORTUNITY AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS

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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: E1.4 The following historic Record Drawings are provided in Appendix E for information only, to assist in the Bidders evaluation of existing conditions:
- (a) C-159 – Typical Manhole, 5'6" Pressure Pipe
 - (b) D-373 – Details of Venturi Meter
 - (c) D-410 – Details of Valve Chamber Deacon, Station 667+50
 - (d) D-804 – Detail of Connection of Existing Aqueduct at Deacon
 - (e) D-1233 – Deacon Reservoir Stage 1 Drainage Pumping Station
 - (f) D-2084 – Cell 3 Outlet Pipe Chlorine Diffuser Chamber Plans and Sections
 - (g) D-6384 – Plan Profile of the Shoal Lake Aqueduct From Joint J158-011 To Joint CJ-A1444, From Mile 12.71 To Mile 12.96
 - (h) PD 95-2 C-10 – Detail of MK 1
- Add: E8.1(j) Segmental Block Retaining Wall
- (i) Approved product: Allan Block Fieldstone retaining wall system or approved equal in accordance with B6.
- Add: E8.3(k) Segmental Block Retaining Wall
- (i) Install segmental block retaining wall as per the manufactures recommendation and as shown on the drawings.
- Add: E8.3(l) Shoal Lake Aqueduct Access
- (i) Access to the Shoal Lake Aqueduct can be attained thorough a 1500 millimetre blind flange in the Aqueduct Drain Chamber Building, or via 600 mm diameter pressure manhole PMH160 as shown on Historic Drawing D-6384.

- Add: E9.2(a)(iii) (iii) The Contractor is required to supply all bolts and bolting materials for the 1500 and 2100 mm butterfly valves, except for the 1500 mm valve the following bolts are supplied by the City:
- 44 – 44.45 mm (1.75”) x 241 mm (9.5”) 5 UNC-2
 - 8 – 44.45 mm (1.75.”) x 165 mm (6.5 “) 5 UNC-2
- Contractor is responsible for length adjustment if required.
- Add: E9.2(b)(ii) (ii) The Contractor is responsible for supplying gaskets for both the 1500 and 2100 mm butterfly valves.
- Add: E9.3(k) Grouting Repair Materials for AWWA C301 Fittings
- (a) Wire mesh conforming to ASTM A185. Minimum wire size W 2. Spacing 50.8 mm.
 - (b) Grouting product to be Sika132plus or approved equal in accordance with B6.
- Revise: E9.5(a)(ii) to read: Estimated mass of the 2100 mm butterfly valve and actuator is 11,350 kilograms. Estimated mass of the 1500 mm butterfly valve and actuator is 3,646 kilograms. Actual mass shall be confirmed with the valve supplier for lifting and installation purposes.
- Add: E9.5(f) Grouting Repair Procedure for AWWA C301 Fittings
- (a) Chip off concrete lining or coating in a 45 degree angle down to steel fabric.
 - (b) Remove any loose concrete or materials, ensuring exposed fabric steel is clean and dry.
 - (c) Tack weld wire mesh to exposed fabric steel, for concrete reinforcement
 - (d) Using approved grout material, fill lining with mortar mix, matching depth of existing concrete.
- Add: E9.5(g) Field Welding
- (a) Field welding shall be completed by certified welder.
 - (b) But welds shall be full penetration welds
 - (c) Fillet welds shall have leg equal to thickness of material being welded.
 - (d) Completed field welds shall be inspected by a certified welding inspector, using magna-flux methods or other methods approved by the Contract Administrator. A detailed inspection report including test data shall be submitted to the Contract Administrator within 5 Business Days of completion of testing.

APPENDICES

Add: APPENDIX E – HISTORIC RECORD DRAWINGS

<u>Drawing No.</u>	<u>Drawing Name/Title</u>
C-159	Typical Manhole, 5'6" Pressure Pipe
D-373	Details of Venturi Meter
D-410	Details of Valve Chamber Deacon, Station 667+50
D-804	Detail of Connection of Existing Aqueduct at Deacon
D-1233	Deacon Reservoir Stage 1 Drainage Pumping Station
D-2084	Cell 3 Outlet Pipe Chlorine Diffuser Chamber Plans and Sections
D-6384	Plan Profile of the Shoal Lake Aqueduct From Joint J158-011 To Joint CJ-A1444, From Mile 12.71 To Mile 12.96
PD 95-2 C-10	Detail of MK 1