Brighton Wastewater Treatment System Upgrades

ADDENDUM NO. 002
May 20, 2025

Tender Closing Date: June 10, 2025

This Addendum forms part of the Contract Documents and amends the original drawings and specifications. Tenderers are reminded to acknowledge on the Form of Tender that this Addendum has been received.

SPECIFICATIONS

Civil

Item No. 1 Section 02315

1.1 DELETE Section 02315, Item 2.1.9.

DRAWINGS

Electrical

Item No. 2 DE002 – ELECTRICAL DEMOLITION

2.1 ADD DE002 for demolition in existing control building.

QUESTIONS

Questions from Bidders

Item No. 3 Spec Section 02455 Rock Anchors. It appears that the top of sound rock varies and is unknown between the boreholes. Please provide a total length of anchors so we have a defined scope of work that we can include in our tender price.

3.1 Detail 1 / S007 provides minimum lengths for rock anchors. Final length of rock anchors shall be determined by the rock anchor designer. For the purposes of estimating rock anchor length, the Contractor may assume that the Clarifiers, Tunnel, and Process Building foundations will bear directly on bedrock at 78.3m, and that the bedrock elevation under the Aeration Tanks is at 77.5m (per borehole BH106.24). Therefore, it can be assumed that an extra 0.8m of length per rock anchor will be required within the Aeration Tanks footprint.

Item No. 4 Confirm that the exterior pumping station walls on S100 can be poured all at once.

4.1 Confirmed.

Item No. 5 Confirm that the raft slab at elevation 82.460 on S201 can be poured all at once.

5.1 As per 03600 clause 3.3.2.1, construction joints in liquid retaining raft slabs are to be provided such that the larger dimension of any single placement is no greater than 10m.

Item No. 6 **Confirm that the grit and screen channels walls on S201 can be poured all at once.**

6.1 As per 03600 clause 3.3.3.1, construction joints in liquid retaining walls are to be provided such that the length of straight continuous wall is no greater than 10m.

Item No. 7 **Shouldn't the top of the channel walls read elevation 85.000 and not 85.300 on S202? The slab at 85.300 rests on top of the walls, according to the sectional details.**

7.1 Correct. The intent is that the slab extends over the top of the walls. Where no adjacent slab exists (e.g. north end of bin room) the top of channel wall elevation will extend up to elevation 85.300m.

Item No. 8 **Sections 2/S010 and 1/S011 indicate to provide lean concrete fill from bedrock to the underside of the raft slab. However the soils report indicate that the bedrock elevation is higher than the slab elevation of 78.300. Please confirm the requirement of proving the lean concrete fill.**

8.1 Sections 2/S010 and 1/S011 contain a bold line which indicates approximate level of bedrock. This line has been drawn using the borehole information from the Geotechnical Report. It is expected that bedrock will be above 78.3m for portions of the raft slab and below for other portions. For example, the Geotechnical Investigation reports a bedrock elevation of 77.5m in Borehole BH106-24 as per Table 5. Lean concrete fill will be required for the portion of raft slab where bedrock elevation is lower than 78.3m.

Item No. 9 **Section 03420 - PRECAST CONCRETE LAUNDERS - Are there any specific manufacturers whom we should be using on this.**

9.1 No specific manufacturers have been specified for the precast launders. So long as the manufacturer can meet the requirements of specification section 03420 they will be deemed acceptable.

Item No. 10 **Section 4/S221 states that the slab is 400 mm thick, however S201 states 300 mm thick.**

10.1 Headworks Building access pit slab on grade and sump pit base slab are both to be 400mm thick (to match adjacent wall footing thickness).

Item No. 11 **There does not seem to be any details on the Odour Control Unit concrete pad. Are we to us the standard equipment pad detail on Drawing S006?**

11.1 Yes. Detail 1 / S006 applies to the Odour Control Unit concrete pad.

Item No. 12 **Confirm that the Owner has applied and paid for the PTTW, as the process of obtaining such a permit does take some amount of time.**

12.1 It is not anticipated that a PTTW is required during construction, i.e., greater than 400,000 L/day. Contractor shall phase the construction of the various areas to remain within the EASR limit.

END OF ADDENDUM NO. 002

Prepared by:

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SJS:js

cc: All Plan Takers

Addenda to Date:

Addendum 001	May 12, 2025
Addendum 002	May 20, 2025