



Tender No. 24-015

Aquifer Storage and Recovery – Trial Phase Construction

**Addendum 1 (3 pages)
Issued: February 28, 2024**

Closing Date & Time: on or before 3:00 PM Pacific Time on March 7, 2024

This addendum shall be read in conjunction with and considered as an integral part of the Request for Tender. Revisions supersede the information contained in the original Tender or previously issued Addendum. No consideration will be allowed for any extras due to any Vendor not being familiar with the contents of this Addendum. All other terms and conditions remain the same.

Bidder Questions & Answers

Question 1: What is required for chlorination of the proposed 150mm watermain? Due to its short length will swabbing be acceptable, or does this section have to be isolated and be injected with chlorine and undergo the 24- and 48-hours test samples?

Answer 1: All installed watermain piping is to be chlorinated and sampled in accordance with AWWA C651 prior to connection to the existing water system. Swabbing of the mains is only permitted at the tie-in location.

Question 2: To add to question 1, does the pipe components above the slab also require to be chlorinated, if so, is it the same way as question one, or can it be swabbed?

Answer 2: The above slab piping is to be chlorinated and sampled in accordance with AWWA C651. Swabbing of the piping is not permitted.

Question 3: Pressure testing. Does the new installed 150mm main and all components require pressure testing, and if so, what is the required PSI test to be set too?

Answer 3: Pressure testing of the new watermain and components is required. The test procedure shall be as per Section 02050-3.9 with a test pressure of 150 psi (1034 kPa).

Question 4: Can you confirm who is connecting the well head flange to the casing pipe? If contractor, can you confirm how this is to be connected to the steel casing?

Answer 4: The well head flange is to be installed by the contractor. A new flange is to be welded to the existing casing pipe at the elevation noted on the drawings. The well head flange is to be bolted to the new casing flange by the contractor.

Question 5: Can you confirm that the existing cut on the steel casing is the splice joint where the flange is to be attached to and that determines the flange elevation?

Answer 5: The well casing will need to be cut to suit the elevation noted on the drawings.

Question 6: Are valve markers required for this application?

Answer 6: No, valve markers are not required for this project.

Question 7: Can the contractor assume that native backfill will be used for backfill of trench or shall import material be allowed for?

Answer 7: Trench backfill can be native material provided it meets the requirements noted in Section 02030 – 2.3. Import material is required in the trenches located beneath the concrete slab.

Question 8: Will QC testing be required for the concrete Slab? If yes, what testing is required?

Answer 8: Testing is required for the concrete slab. Testing is to include at a minimum:

- Slump.
- Air entrainment.
- Destructive compressive strength testing at the 7- and 28-day mark. Two sets of destructive testing are required.

Question 9: Will compaction testing be required for the concrete Slab and Trench backfill including pipe bedding?

Answer 9: Compaction testing will be required for the following:

- Pipe bedding.
- Trench backfill when import material is used.
- Crushed gravel base for the concrete slab.

Question 10: Can you confirm that this is a lump Sum Contract, or a schedule of Quantities, Tender documents states a Lump sum, but the tender form has Line items of payment which indicates Schedule of Quantities?

Answer 10: Lump sum prices are to be provided for the specific line items noted in the tender form.

Question 11: Will hand seeding be acceptable instead of Hydroseeding as it is such a small area? What seed mix is required?

Answer 11: Hand seeding is acceptable. The seed mix shall be as per Section 02070 – 2.1.1 or to the Ministry of Transportation and Infrastructure Specifications Section 757 Table 757-A.

Question 12: Will the commissioning of the well be done by the owner, as it is their well components and electrical contractor? Or does contractor have to allow for this?

Answer 12: Commissioning will be completed by the RDN and their electrical contractor. The Contractor will be required to be onsite to assist with the operation of any valving or any other items related to the civil and mechanical installation.

Question 13: Will the Contractor Guarantee period of 12 months only be for the materials and workmanship of contractor supplied materials and anything supplied by the owner including any electrical work by the owner's electrical sub will be omitted from the contractor's Guarantee?

Answer 13: The Contractor Guarantee period will be for the workmanship on all installed parts and components and for the materials supplied by the Contractor.

End of Addendum 1