



Department of Public Works

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Bid#: 21167

Project#: PW2015.003

Project: Oak Terrace Water System New Water Supply Well Drilling and Testing

Subject: Addendum #2

Date: January 19, 2022

GENERAL/QUESTIONS:

1. Why will sieve analysis be required when this will be a bedrock well?

Sieve analysis is required only if soil, gravel, or clay is encountered during drilling.

2. Please define “substantially free from sand”. AWWA has a standard of 5 ppm.

A sand concentration of 5 ppm or less, in compliance with AWWA A100 standard would be acceptable but there is no specific metric that must be achieved during the 48-hour test pumping period.

3. Bid item #7 asks for a 17” cement shoe when 12” casing is being installed. Is this an error?

A cement shoe matching the ID of the 12” casing pipe is required to grout the 17” borehole.

4. Bid Item #30 (bid item#32 Addendum #2) asks for a 12” cement shoe when 8” casing is being installed. Is this an error?

A cement shoe matching the ID of the 8” casing pipe is required to grout the 12” borehole.

5. Please clarify bid items #11 and #28 (bid item #30 Addendum #2) for “bentonite” seal. This is not clarified within the specifications.

Bentonite is to be circulated prior to grouting per part 3.03 of section 02730. The quantity of bentonite utilized may vary due to different drilling methods.

6. Is this well permitted through IDPH (Lake Co) or will this be an IEPA permitted well?

The test well will be permitted through Lake County Health Department. LCPW will complete permit application and pay permit fee. The IEPA permitting will occur once the well becomes a water supply well. IEPA permitting is not part of this contract.

7. Can access road on south end of school be blocked with equipment during drilling scope?

The road cannot be blocked with equipment as access to the rear of the school building is required.

8. For bid item 18 (bid item 19 Addendum #2) – Is there a specific amount of air impulse time required for this item (i.e., 8 hrs/16 hrs)?

Please see the revised bid form reflecting an estimated quantity of 16 hours for air impulse development, if required. Please note that development using air impulse generation is only to be performed if needed to increase the flow rate once water has been encountered and authorized by Lake County.

9. For bid item 19 (bid item 21 Addendum #2) – is there a specific amount of acid/buffer solution required? In general, this item is left open for interpretation.

Please see the revised bid form reflecting an estimated quantity of 382 gallons for acid development, if required. Please note that acid development is only to be performed if needed to increase the flow rate once water has been encountered and authorized by Lake County.

10. Will any qualifications of bid or clarifications on bid items be reason for rejection of bid?

Qualifications and/or clarifications provided by the bidder on bid items will be reason for rejection of bid. If further clarification of the bid documents is required, the bidder is encouraged to submit questions via the bidding process.

Revised Bid Form and revised Measurement and Payment Section 01025 are part of Addendum #2.