



State of Alaska
Department of Environmental Conservation
Village Safe Water Program

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August 5, 2022

To: Vendor List

Re: Amendment 3
ITB 22-VSW-UNK-044
Unalakleet Water Source Project
ITB Due Date: August 11, 2022 @ 2:00 PM AST

The following are vendor questions and the department's response:

1. Vendor: Per specification section 01 64 00 Receipt of Owner Furnished Material, it states there is 320 feet of 6x15" Arctic Pipe Chase (Aluminum Jacket, No Glycol Channel) provided. The documents show an estimated 750 feet. Is the contractor to provide the additional pipe that is required?

Department: See Amendment 2, questions and answer (Q&A) #17.

2. Vendor: Plans sheet C501 calls out for 1" HDPE glycol supply and return piping. Plan sheet C502, detail calls out 1 1/4" SDR 11 HDPE Glycol Trace. Is the glycol heat trace intended to be 1" or 1 1/4"?

Department: Detail 2/C502 is correct. The glycol trace is 1-1/4".

3. Vendor: The pipe bedding discussion in the "Fill" specification 31 23 23 states bedding to be placed 12" under and around the pipe. The plans show u=only 6" under pipe. Please clarify the required depth of bedding under pipe installations.?

Department: Bidders shall use trench detail 7/C503 for bidding purposes.

Change Section 31 23 23 Part 3.3B shall read: "Bedding shall be placed under and around the pipe as shown on the drawings and compacted to 95% of maximum dry density (modified proctor)."

Change Section 31 05 13 Part 3.2.B to read: "Soft Subgrade: If subgrade is encountered that is too soft to support the pipeline without deflection and/or contains deleterious materials (organics, peat, muck, massive ice, etc.), contractor shall over-excavate a minimum of 12" and replace with classified fill material to provide a firm base for the trench. Over-excavation will be considered incidental, and no additional payment will be made."

4. Vendor: Spec section 33 11 13 Public Water Distribution is stated to cover the raw water distribution which then states the disinfection specification 33 13 00 applies to the raw water line. It's understood the new raw water line will need to be flushed and hydrostatically tested, and as a long, uninterrupted linear installation realistically needs to be completed in a single effort. This raw water line then is to be chlorinated and disinfected with samples taken every 1200' (10-15 locations over the entire installed length). Please clarify if samples do need to be taken at this frequency.

Department: See Amendment 2, Q&A #4. The following is added to the department's response: The Engineer will assist the contractor with developing an appropriate sampling plan that the ADEC will accept.

5. Vendor: After chlorination and disinfection the raw water line is to be flushed and bacteriological samples taken during flushing. As flushing would be expected to occur from the water well (a raw water source), it's unclear if the samples taken from the raw water line after flushing will provide clean samples that are going to result in the final report saying the water quality is suitable for human consumption. In general, the disinfection specification doesn't appear to adequately cover the requirements of a raw water line. Please clarify if we are to follow the spec as written.

Department: The well water is considered groundwater and, therefore, does not require treatment prior to potable use per ADEC guidelines. The proposed treatment at the water plant is for aesthetic purposes only. Contractor is required to disinfect the wells and associated appurtenances, reducing the potential for contamination of the ground water for use in final flushing and bac T testing. However, the contractor is not limited to use of the wells for final testing of the line. If the contractor deems it necessary, chlorinated water from the water storage tank in town could be used to fill the line prior to final bacteriologic testing. Contractor is required to provide all necessary pumping, temporary connections, etc. as necessary to achieve the required testing results per the specifications.

6. Vendor: Due to the need for asphalt paving at the completion of the project, we request an allowance to extend the final asphalt paving into mid-summer of 2025 (July 15, 2025) to allow for more flexibility in getting this effort coordinated in a way that allows for a more cost-effective pricing,

Department: Due to current grant limits, construction must be completed by December 31, 2024.

7. Vendor: Drawing C511, Detail A. "B" Base Plates: Will the Owner Supplied Well Houses come with the base plates shown attached to well houses "Steel Skids"? This is asked as this shows a shop weld and not field welded. Also Skid drawings supplied in addendum #2 does not show this or called out in question #11? If contractor supplied is there any coating required?

Department: Well houses will come equipped with steel skid only. The skid assembly will be hot dipped galvanized. Contractor to supply the base plates and shims shown on A/C511. Base plates and shim plates to be hot dipped galvanized. Contractor to field weld base plates and shim plates to

steel skid as shown on drawings. Repair weld areas with approved gold galvanizing compound (ZRC or approved equivalent).

8. Vendor: Drawing C503, Detail 3. Calls out (Road Embankment Subbase "A"), this is also shown in detail 7 (Select Backfill Subbase A). Please provide specifications for this material product as it is not found in the specifications 31 05 13, Part 2 – Products.

Department: See response to question #10 below. Locally available 3" minus material as supplied by West Coast Construction is acceptable for use as subbase A and subbase B materials.

9. Vendor: In amendment #2, question 5 asked who would be responsible for supplying the commissioning agent, with the response, the commissioning agent will be supplied by the department's engineering team. In spec section 01 91 00, section 1.3, it is stated the commissioning authority is to be employed by the contractor. This is reinforced in section 1.9 of the same specification. Please clarify, is the "commissioning agent: referenced in amendment #2, question 5 is in addition to the commissioning authority referenced in the commissioning specification.

Department: Please delete the response to Amendment #2, Question #5 and replace with: The contractor is required to provide commissioning responsibilities, including providing a commissioning agent, as outlines in section 00 91 00 and related commissioning sections.

10. Vendor: As per addendum #1 Q&A, #6 regarding the structural fill materials available in Unalakleet. We have since been in contact with the local supplier for this material and would like to ask if this material can be approved prior to bidding this project? If not, contractor may have to source out all materials and barge in which will increase final cost of project.

Department: The local D-1 material available through West Coast Construction is pre-approved for use as pipe bedding/leveling course. The local 3" minus material available from West Coast Construction is pre-approved for use in all other classified fill applications for this project. Note that material excavated from the road embankment may also be re-utilized as classified fill if it meets the minimum classified fill requirements

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