

Rattlesnake Tank Site Improvements

FPUD Job 3212 - ADDENDUM C

Friday September 27, 2024

Attention All Bidders:

The following clarifications, changes, and/or deletions to the Contract Documents are hereby made as part of the Contract Documents for the above referenced project as fully and as completely as though the same was included therein. This addendum shall be acknowledged on the face of the envelope submitted with the Bid Proposal.

This Addendum "C" includes answers to bidder's questions, clarifications and/or changes to the Contract Documents for the Fallbrook Public Utility District:

Changes to Reissued Drawings

Dwg C-1:

- Clarified AC Paving area up to driveway
- Added crushed rock surface outside curb
- Shotcrete extents clarified

Dwg C-2:

- Tank diameter added
- Drainage swale material changed to 6" thick concrete, with transition to 4" thick AC where width exceeds 7'
- Existing fence demo note
- Drain pipe length added

Dwg C-3:

- Ring footing location corrected in all sections/details
- Detail 3 – swale surface changed to concrete

Changes to Specifications

- Revised engineer's estimate to \$600,000
- Revised bid form attached to this addendum – added unit price line item for shotcrete and ring footing rock work allowance.
- Revised contract completion time to 270 calendar days

Q: The plans show the existing fence to be removed. Should it be replaced in-kind?

A: No, there will be no upper fence. Note that existing fence posts can be cut at grade and post footings left in place below final grade.

Q: The specs call for Builder's Risk insurance – will this be required?

A: Installation floater policy will be accepted.

Q: Is a geotechnical report available?

A: Yes, but with minimal information, see attached

Q: Can the District establish a quantity item for the shotcrete on the slope?

A: See revised dwg C-2

Q: There is a bid item for dewatering. Please clarify if this is necessary.

A: Removed, see revised bid sheet.

Q: Confirm all electrical and phone data lines are to be temporarily relocated by others prior to work start.

A: Correct, all electrical/communications to be re-routed by others prior to starting work. After work is complete, electrical/communications will be pulled and reconnected by others.

Q: The note on sheet C-1 directs the contractor to "fill gaps and ruts" with shotcrete. Detail 4 on C-3 (below) shows a pretty expansive area covered by the shotcrete blanket; it appears to extend from the proposed curb to the riprap. For estimating purposes, what is the assumed area covered by shotcrete?

A: See revised drawings

Q: Regarding Rip Rap Energy Dissipater: What is the rock class and thickness? What type of filter blanket material shall be used? Type 1 or Type 2 energy dissipater?

A: ¼ Ton Rock, Nonwoven Type 180N Geotextile Fabric, Type 1 energy dissipater with concrete sill.

Q: The proposed duct bank is shown to have 3 each 3 inch conduits and 3 each 4 inch conduits in every drawing/detail except the actual duct bank detail. In that detail, the pipes are 2 inch and 3 inch. Please confirm pipe sizing.

A: (3) 3-inch and (3) 4-inch conduits

Q: There is a thick line on the plans that runs next to the new duct bank. Is this the existing at grade com line? If so, is it all to be demo'd, or is some of it to be left at each end? Does the old above ground system need to connect to the proposed duct bank at each end? If so, please specify how this is to be done.

A: Pull box locations shown on plans. Above grade ducting to be left at each end beyond the pull box locations.

Q: Is there an as-built of the tank?

A: No

Q: How thick is the steel plate used to construct the base of the tank? The walls of the tank?

A: Unknown

Q: Was the tank pad over-excavated and recompact, and if so, to what depth?

A: Unknown

Ring Footing Questions:

Q: How far does the footing extend under the tank? The plans conflict.

A: 6" under the tank – see revised drawings.

Q: How does the District want the perimeter footing installed/removed/replaced? The note on structural detail 8 directs the contractor to excavate and place 10 ft of the proposed footing at a time. Could 10 ft sections be leap-frogged? Could every other ten feet be excavated, poured, cured at a time? If not every other 10 ft, please clarify the spacing required between concurrent 10 ft sections.

A: There is no existing footing, therefore no removal. The excavation is limited to 10' due to the unknown tank support condition and rock/soil under the tank. The 10' excavated section under the tank wall is required for the first section to verify the tank is adequately supported. Field conditions yet to be determined, may allow leap frogging 10' sections. However, the first excavation will be limited to a single 10' section under review of the engineer.

Q: Detail 8 on S-2 states "Excavate max of 10'-0" long section place concrete & allow 7 days min. prior to excavation adjacent section." At the ends of each section there is an 8'-8" rebar lap splice, which would indicate that a minimum excavation length of 27'-4" to place rebar. This is conflicting, as it would then be impossible to excavate only 10'-0" with the rebar splice. Please confirm if a 27'-4" excavation length is acceptable. If not, please confirm if in lieu of lap splices, rebar couplers are acceptable.

A: The 27'-4" excavation length is not acceptable. An 8'-8" rebar Splice Should Fit Within 10'. Over excavation outside of the Tank Wall will be allowed for forming and reinforcement layout / bending. Rebar couplers are acceptable, submit coupler technical specification for approval. Couplers shall meet mechanical ACI and IBC Codes requirements.

Q: If rock is encountered under the tank or even next to the tank, shall it be left in place, or broken with some type of equipment? Please clarify.

A: Depends on the hardness of the rock, loose rock or easily excavatable rock will need to be removed. Footing to be anchored to stable rock per detail when encountered. The tank must remain in operation during the installation of the footing. Therefore, the rock removal shall not compromise the Tank in any way.