

ADDENDUM NO. 2

Bid Date October 6, 2011 @ 2:00 pm

Site & Infrastructure Phase 6

University of California, Merced Campus, Merced California

I. QUESTIONS REGARDING THE WORK FOR SITE & INFRASTRUCTURE PHASE 6

A. The following are questions received from contractors and responses are as follows:

1. Q. Can you clarify what the UC is including in their staking of the limits of work?

A. The University is providing boundaries of the work and paths of travel to the work. PTC will provide their own grade staking.

2. Q. Where can we pull water from if/when the canal runs dry? Will there be a cost for this water and if so, what will the amount be?

A. If the PTC requires the use of campus water the PTC will be charged \$5.77 per 1000 gallons. Yes there is a cost for water.

3. Q. Provide the size and type of fiber rolls for: Type 1 and Type 2?

A. Both Type 1 and Type 2 Fiber Rolls shall be a pre-manufactured roll of rice or wheat straw, wood excelsior, or coconut fiber encapsulated within a photodegradable plastic or biodegradable jute, sisal, or coir fiber netting. The netting shall have a minimum durability of one year after installation. The netting shall be secured tightly at each end of the roll. Rolls shall be between 8 inches and 12 inches in diameter. Rolls between 8 inches and 10 inches in diameter shall have a minimum weight of 1 pound per linear foot and a minimum length of 20 feet. Rolls between 10 inches and 12 inches in diameter shall have a minimum weight of 3 pounds per linear foot and a minimum length of 10 feet.

4. Q. Is there a succulent Owl's Clover relocation specification section?

A. See Earthwork Specification 31 20 00, Section 3.03 A & B

5. Q. Provide detailed information on the depth of soil to be relocated and who is responsible for reestablishing grade in the removal area?

A. Cuts and fills are shown on drawings. Grading PTC is responsible for all earthwork except trenching at fence line and relocation of Succulent Owl's Clover. Depth shall be no more than 1".

6. Q. MID Easements: Are there any special requirements or specifications regarding gates at MID Easements? It is our understanding that MID has them and they don't seem to be listed. Without a specific direction, would a 6" Round PT Posts with a pair of acceptable metal gates be sufficient?
- A. There are no gates at MID canals. Fences terminate at the toe of the canal.
7. Q. Silt Fence: We are having a difficult time locating Silt Fence that is 48". We have been told that Silt Fence only has a maximum of 36". Can you clarify this specification?
- A. Overlapping two 36-inch wide rolls of silt fence to achieve the required 48-inch with of silt fence is acceptable provided the silt fabric it is securely attached at the overlap.
8. Q. Dowels on Braces: Regarding the dowels for the Braces listed on the plan and the specifications, there are two separate specifications. Can we use 3/8" x 10" Galvanized Dowels?
- A. Yes. 3/8-inch x 10-inch galvanized dowels are acceptable.
9. Q. Post size: On the Braces and Line Fence Posts, is it possible to use a smaller size? Using a 6" Pressure Treated (PT) Round Post with a 4" x 7' Round PT Horizontal on the Braces will be completely adequate and cost less. This will also allow for a 12" Diameter post hole and add to the savings. Line posts can also be specified at 4" Diameter to reduce costs using the same logic. Concrete is only necessary in a location that is below grade and in a wet. Tamping the existing soil back in a 12" hole will result in a very long lasting installation.
- A. 6-inch PT round posts and 4-inch PT round on the horizontal is acceptable. 4-inch x 9-feet PT line posts with concrete only at wet locations is acceptable.
10. Q. Ditch Crossings: Is it possible to use longer steel T Posts for Ditch Crossings and delete the H-Braces? This can save money and provide a good installation.
- A. It is permissible to substitute H-Braces with 4-inch x 9-feet line posts on either side of the canal.
11. Q. Gates: Powder Mountain Wire Filled Gates, with welded hinges, 50" High x 10' long with 2"x4" 8 gauge Welded Wire are a more effective product. Is this an acceptable substitution?
- A. Powder Mountain Wire Filled Gates are acceptable.
12. Q. Wire Mesh: Galvanized, 20g x 48" High Chicken Wire is used in other locations on the Campus. This is a more a more effective installation, as well as more cost effective. Is this solution an acceptable substitution?

- A. Yes.
13. Q. Can you clarify what the UC is including in their staking of the limits of work?
- A. The University is providing boundaries of the work and paths of travel to the work. PTC will provide their own grade staking.
14. Q. What is the load rating for the canal crossings shown on sheets C126, C134 and C116? If ratings are not sufficient to handle loaded scrapers and loaded AB trucks, how will dirt and AB moved across the canals?
- A. The Load Ratings are unknown and with the exception of the bridge shown on C110 all other bridges are in poor repair and for this project should be considered unusable. The central and lower project work sites can be accessed without crossing bridges and the bridge shown on C110 is capable of crossing unloaded heavy equipment.
15. Q. Please clarify where the stockpile location is for excess material, if any?
- A. Site is balanced.
16. Q. With the deletion of the rail car bridges, please clarify the limits and location of the AB roads that are to be installed under the grading contract.
- A. Limit of AB Road Work is at the toe of the Fairfield Canal.
17. Q. Section 01011.2-3 – Section 3.0, item 1 in the scope of work for the Rough Carpentry, Fencing, CTC Gates and Kit Fox Bridge states that prior to commencement of work, a Biological clearing survey is to be completed. Will the University be performing the Biological clearing survey?
- A. Yes, PTC will coordinate with the Biologist.
18. Q. Item 2 in section 3.0 states coordinate all work with the Biologist. Is the Biologist hired by the University?
- A. Yes.
19. Q. The specifications state to galvanize the kit fox bridge structure. We will need to add more joints in order to get the structure galvanized, (see below questions). Does the 16” diameter pipe need to be galvanized? Or can we prime coat and paint per section 32 05 90?
- A. The bridge requires contractor provided engineering. University has no objection to additional joints provided the bridge will meet the required spans and loading.

20. Q. Sheet S-101 shows the 16" pipe in tow sections with one bolted flange connection in the middle. The largest available pipe we have found is 40 feet long. Can we add additional joints as needed for pipe availability and galvanizing? How many joint can we add?

A. The bridge requires contractor provided engineering. University has no objection to additional joints provided the bridge will meet the required spans and loading.

21. Q. Sheet S-101 does not show the ends of the 16" pipe to be closed off. Do the ends of the 16" pipe remain open?

A. Yes. The ends of the pipe need to be closed by welding a plate at each end to avoid animals from burrowing and using the pipe as a den.

II. AutoCad Documents

A. AutoCAD files have been provided as a convenience to the Prime Trade Contractor. The printed documents are the governing documents.

END OF ADDENDUM NO. 2