



Mitchell Lake Constructed Wetland – Phase I
Solicitation Number: CO-00233
Job No.: 15-6503

ADDENDUM 1
11/8/2018

To Bidder of Record:

This addendum, applicable to work referenced above, is an amendment to the bid proposal, plans and specifications and as such will be a part of and included in the Contract Documents. Acknowledge receipt of this addendum by entering the Addendum number and issue date on the space provided in submitted copies of the bid proposal.

RESPONSES TO QUESTIONS

- 1. For the disconnect that is below the power co. meter (sheet E-005), what size disconnect and what type of enclosure is needed?**
Disconnect size will be 200A, rated NEMA 4, 316 SS construction.
- 2. Note 2 on page E-004 states the cables must be manufacturer’s cables. Will the manufacturer’s cables be long enough to go the distance of the Ductbanks?**
Yes. Contractor is responsible to ensure the cable length is ordered accordingly. It was confirmed with manufacturer’s during design that it is feasible.
- 3. Will the pump supplier be Providing the “pump starter”?**
No. Electrical contractor should provide the control panel. Ultimately, it is the general contractor’s responsibility to ensure someone is providing.
- 4. Page E-004 shows to have one “A” lighting fixture but not one next to the rack as page E-006 indicates. Will there need to be two “A” light fixtures?**
Yes, two total lights. There will be one light at the south end as shown on E-004, and one at the electrical rack as shown on Details A, E-006.
- 5. Does Ductbank B need to go all the way to the submersible pumps or can it stop at the shore line?**
Ductbank B shall stop at the shore line. Transition PVC conduit in ductbank to PVC coated aluminum conduit. Transition from PVC coated to rigid aluminum conduit outside of the concrete encasement. A CGB fitting shall be installed at the end of the conduit to transition to loose armored, submersible cable.
- 6. Page E-009 detail C shows an outdoor mounted switch. Nowhere in the plans do I see a detail indicating where this should be located.**
The intent is for Detail C on E-009 to be used in conjunction with Detail A on E-006. This detail further outlines requirements including pad dimensions around the rack and grounding.
- 7. Page E-009 detail B shows a 120V Receptacle. Nowhere in the plans do I see a detail indicating where this should be located.**
Detail B on E-009 can be disregarded. Receptacle as shown on Detail A on E-006.
- 8. Is CPS going to supply and install the new utility poles shown on drawing E-004?**
Yes, CPS will install.
- 9. What are the dimensions of the Electrical rack shown on drawing E-006?**
The length of the entire electrical rack is approximately 18 feet. Contractor to size and confirm based on actual equipment installed.
- 10. On drawing E-004 and E-005, how are the 3ea. - 2” conduits in Ductbank Section “B” to transition at the lake shoreline from underground to the lake floor?**
Transition PVC conduit in ductbank to PVC coated aluminum conduit. Transition from PVC coated to rigid aluminum conduit outside of the concrete encasement. A CGB fitting shall be installed at the end of the conduit to transition to loose armored, submersible cable.

11. **How will the conduits on the lake floor be anchored down to prevent them from floating up?**
No conduit required at the bottom of the lake. Cable will be loose armored, submersible cable. If it floats, it will float with the pump discharge piping.
12. **What are the dimensions of the support for the level transmitter shown on Detail E?**
It is the Contractor's responsibility to construct something based on actual field conditions and equipment selected.
13. **Can you take a look at the attached pump curves and data sheets and approve them for the project?**
 - a. **Both pump options will be pumping at a higher capacity than design point at 25' TDH, but do run out below 10' TDH.**
 - b. **The Liberty 2LE01 is a 1.5 HP pump, which is below minimum required in specs. The liberty option does have 2-3 HP pumps, but have higher capacity at 25' TDH.**
Pumps were selected based on their duty point and dimensions from intake to top of motor that would fit within lake operating conditions. Proposed pumps will not be accepted as approved alternates.
14. **The specs call out Pump Solutions as a manufacturer of the floating pump station. What would be required to submit as an approved manufacturer on the floating pump station?**
No other vendors will be accepted.
15. **Do you have any drawings of the proposed floating pump station?**
No drawings are available for the vendor-supplied floating pump station.
16. **Can the bid date for this project be pushed back a week or so? It conflicts with several other public projects around that same time.**
Due to scheduling challenges, the bid date cannot be pushed back.
17. **Will the Horse Trail on G-003 be active?**
The horse trail may be active during construction.
18. **Will the site have to be "temporarily construction fenced" to re-direct the public?**
Engineer noted during the pre-bid meeting that the site will not need temporary security fencing. Site has existing fencing surrounding and that will be sufficient. Specification 01500 "Temporary Facilities and Controls" will be updated in this Addendum to reflect the change.
19. **Note 7 Sht.C-003 calls out 24" RCP SET-Ty P for the culvert ends. Will this fit a 28.5" x 18" RCP Arch pipe? Can the pipe be changed to standard 24" RCP?**
The end type will fit the pipe according to the vendor. The pipe cannot be changed to a 24" culvert due to the shallow grade.
20. **Note #3 on sheet C-003 states the existing soils may be used in the embankment if it meets Spec. 02301 requirements. This means we have to test the existing soils before they can be embanked? Even if the embanked slopes receive a clay cap?**
The embankment fill does not need to be tested for hydraulic conductivity. Contractor shall provide documentation that fill is not predominately sand/silt, gravel, or dispersive clay, meeting the requirements of Paragraph 1.4.E.
21. **If the existing soils will not pass the embankment requirements, even with a clay cap, how can they be used for subgrade on the Cells?**
Per Detail 13 on Sheet C-102, reworked in-situ soil may be used for subgrade, provided it is not highly permeable or otherwise unsuitable (i.e., gravel, sand/silt) per Paragraph 4.3.C. of Specification 02303 "Earthwork for Wetland Treatment Cells with Clay Liners".
22. **Are the pre-fab Flow Control Structures a "package item" by some supplier?**
Flow control structures shall be pre-fabricated to avoid field-construction of v-notch weirs which require precise dimensioning for accuracy in metering. Quotes were obtained from Seabreeze Culvert, Inc. (409-296-4098).
23. **Note 9 C-001 should read 1'0" off "Toe" instead of "Top"?**
Correct. As noted during the pre-bid meeting, the fence should be located approximately 1'-0" off toe of levee, not top of levee. Sheet C-001 will be updated in this Addendum to reflect the change.
24. **Any information on the "normal daily" water surface level of the Mitchell Lake?**
Normal operating water surface of Mitchell Lake ranges from approximately 517.5 to 521.0. The lake has been operating closer to the lower range of depths for the past six months but due to recent rains is now at approximately 520.0.

CHANGES TO THE SPECIFICATIONS

1. **Section 01500 – Temporary Facilities and Controls:** Remove Paragraphs 3.4.G and 3.4.H. The site has perimeter fencing along Pleasanton Road and around the field where the wetland footprint will be constructed, as shown in

the plans. Installation of any temporary construction fencing will not be required. Chain link fencing enclosures as shown in the plans and standard details is required, however.

CHANGES TO THE PLANS

1. **Sheet G-002:** Add the following Note 6 under "GENERAL CONSTRUCTION": "6. OWNER SHALL NOT BE RESPONSIBLE FOR CONTRACTOR AND/OR SUBCONTRACTOR SAFETY."
2. **Sheet G-002:** Add the following to Note 4 under "GENERAL CONSTRUCTION": "CONTRACTOR TO CONFIRM ALL ENCLOSURES ARE CONSTRUCTED AND DIMENSIONED IN COMPLIANCE WITH CITY OF SAN ANTONIO CLEARANCE REQUIREMENTS ON ALL SIDES."
3. **Sheet G-002:** Replace Note 1 under "SIGNAGE" with the following sentence: "PROJECT SIGN SHALL BE PER SAWS STANDARD DETAIL DD-869. CONTRACTOR TO COORDINATE WITH OWNER FOR ANY ADDITIONAL SIGNAGE NOTATION."
4. **Sheet G-002:** Remove "ADDITIONAL" section, including Note 1 regarding the study report.
5. **Sheet G-004:** Add the following Note 4: "4. WEATHER STATION SHALL BE ATMOS 41 ALL-IN-ONE WEATHER STATION WITH EM60G SOLAR REMOTE DATA LOGGER."
6. **Sheet C-001:** Note 9 should read "FENCE TO BE INSTALLED APPROXIMATELY 1' OFF TOE OF BERM AS SHOWN..."
7. **Sheet C-001:** Add Note 11 as follows: "11. SOLAR-POWERED WEATHER STATION SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATION ON 3" GALVANIZED STEEL POST APPROX. 5' OFF GRADE INSIDE FENCED AREA NEAR ELECTRICAL RACK."
8. **Sheet C-101:** Refer to Detail 5 – Chain Link Fence. Height of fence shall be 6'-0" from ground to bottom of barbed wire strands.
9. **Sheet C-103:** Replace Detail 16 with attached Detail 16.
10. **Sheet E-004:** Add Note 5 as follows: "TRANSITION PVC CONDUIT IN DUCTBANK TO PVC-COATED ALUMINUM CONDUIT. TRANSITION FROM PVC-COATED TO RIGID ALUMINUM CONDUIT OUTSIDE OF THE CONCRETE ENCASEMENT. A CGB FITTING SHALL BE INSTALLED AT THE END OF THE CONDUIT TO TRANSITION TO LOOSE ARMORED, SUBMERSIBLE CABLE."
11. **Sheet E-005:** Add Note 2 as follows: "2. DISCONNECT SIZE SHALL BE 200A, RATED NEMA 4, 316 SS CONSTRUCTION."
12. **Sheet E-009:** Delete Detail B.

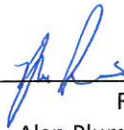
CLARIFICATIONS

1. None

END OF ADDENDUM

This Addendum, including these three (3) pages, is four (4) pages with attachments in its entirety.
Attachments:

1. Detail 16 - Fence

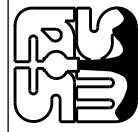


Ryan Pierce
Alan Plummer Associates, Inc.



APPROVED:
JULY 2013

REVISED:



SAN ANTONIO WATER SYSTEM
SAN ANTONIO, TEXAS

DOUBLE LEAF SWING GATE

DD-903-23

SHEET
1 OF 1

