
Addendum No. 2

TMWA ARROWCREEK DROUGHT RESPONSE PROJECT

PWP Bid No. WA-2015-260
August 27, 2015

The following information, clarifications, changes and modifications are by reference incorporated into the bid documents for the above referenced project. Any work item or contract provision not changed or modified will remain in full force and effect. **The bid date and time and construction schedule has NOT changed since Addendum No.1.**

GENERAL CLARIFICATIONS, QUESTIONS AND RESPONSES

Clarification No. 1 - All drain rock shall be 3/4 inch and comply with section 02200 of the specifications.

Clarification No. 2 - All wetted surfaces in the project shall be certified to comply with NSF 61 for potable water and NSF 372 for low lead content.

Clarification No. 3 - The contractor shall provide seismic **anchorage** calculation and drawings, stamped by a civil engineer registered in the State of Nevada, for the owner-supplied surge tanks and electrical MSBs. Structural design calculations for the owner-supplied equipment will be provided by the owner.

Clarification No. 4 - The low bid contractor shall coordinate power outages with the ArrowCreek Golf Course staff. Appropriate contact information will be provided at the preconstruction meeting.

Clarification No. 5 – All vault lids shall drain to the sump pump, or if vault has a dry well, then vault lids shall drain to daylight. This note shall replace the note on the all the Civil and Mechanical Sheets.

Clarification No. 6 – All Northing and Easting titles on Civil sheets tables are flipped.

Question No. 1: On Sheet M401 detail A/M401, is there intended to be a specific dimension between the bottom of the pump pit and the leveling pad?

Response to Question No. 1: The bottom of the pump can “pump pit” will sit directly on the leveling pad, see drawings clarification below.

SPECIFICATIONS CLARIFICATIONS

1. **Section 02800 Pipeline and Appurtenances**
 - a. Add Paragraph 2.3, Fusion Epoxy Lined and Coated Steel Pipe
 - A. Unless otherwise stated, all steel pipe shall be schedule 40, conforming to the requirements of AWWA C200
 - B. Flanges and other connections shall be as required to mate to adjacent piping.

- C. Where shown on the drawings, steel pipe and fittings shall be fusion-epoxy lined and coated. Fusion epoxy lining and coating shall be in accordance with AWWA-C213.
 - D. Field welds, connections and any damaged areas shall be coated and patched with approved materials according to the manufacturer's instructions.
 - E. Buried or concrete-encased fusion epoxy coated pipe shall receive shall be wrapped in an approved fabric or two layers of protective tape wrap.
- b. Delete the text in Paragraph 3.17 – Bacteriological Tests.
 - c. Add the following language in place of Paragraph 3.17: “All bacteriological tests shall conform to the general notes on drawings G003 of the contract drawings.”
2. **Section 03480 Precast Vaults**
 - a. Paragraph 2.1.k., delete the word “should” in the first sentence and add the word “shall”.
 3. **Section 11300 Submersible Turbine Pumps and Motors**
 - a. Add Paragraph 3.3, “The submersible turbine pumps shall be disinfected by one of the approved methods in the latest edition of ANSI/AWWA Standards C651.”
 4. **Section 11303 Sump Pumps**
 - a. Add Paragraph 1.2.B-3, “One(1) for the bladder hydropneumatic tank vault.”
 - b. Add Paragraph 1.2.C-3, “One(1) for the bladder hydropneumatic tank vault.”
 5. **Appendix B** – Updated with more owner-provided material information (see attached.)

CONTRACT DRAWINGS CLARIFICATIONS

1. **Contract Drawing G005 (see attached)** – The (E) ArrowCreek PRS Tables have been updated with revised sizes and models of pressure relief and reducing valves.
2. **Contract Drawing C001 (see attached)** - detail 10A-2/TYP - The backflow preventer detail has been replaced with standard detail 10A-3/typ.
3. **Contract Drawing C009 (see attached)** - detail C801/TYP - The removable bollard detail has been updated.
4. **Contract Drawing P300 (see attached)** - The 8” fitting callout to the fire hydrant has been changed from 45 degree RJ elbow to a 90 degree elbow with a 8”x6” reducer, and a note was added to call out the 6 inch gate valve that is a part of the fire hydrant assembly detail.
5. **Contract Drawing P401 (see attached)** – The culvert material callout has been changed from PVC to CMP, and callout to detail 10L-11/typ has been added to the drawing.
6. **Contract Drawing P405 (see attached)** – Callout to detail 10L-11/TYP has been added to the drawing.
7. **Contract Drawing P406 (see attached)** – Callout to detail 10L-11/TYP has been added to the drawing and the pavement hatching was revised to better depict the suction pipe alignment and other existing features.
8. **Contract Drawing M100 (see attached)** – The sump pump drain has been updated to gooseneck into the landscape area and the pipe shall switch from PVC to GSP before going above grade. A 22 mesh SST screen shall be installed on the gooseneck and a 6” concrete collar. Note 4 has been updated in correlation with Clarification Number 5 above.

9. **Contract Drawing M400 (see attached)** – A new sump, sump pump, drain line, and connection point has been added for the Bladder Surge Vault. Both sump pump drain lines gooseneck to the DI, and the pipes shall switch from PVC to GSP before going above grade. A king drain shall be installed at the bottom of the gooseneck in 1 cubic foot of drain rock. A 22 mesh SST screen shall be installed on the gooseneck. Updated note 6 in correlation with Clarification Number 5 above. A 6” Offset by 6” deep concrete collar similar to detail 10J-2/TYP shall be added to all pipes penetrating the surface.
10. **Contract Drawing M401 (see attached)** – A new sump, sump pump, drain line, and connection point has been added for the Bladder Surge Vault. Both sump pump drain lines gooseneck to the DI and the pipes shall switch from PVC to GSP before going above grade. A king drain shall be installed at the bottom of the gooseneck in 1 cubic foot of drain rock. A 22 mesh SST screen shall be installed on the gooseneck. The pump can has been updated to sit on the leveling pad. Updated note 6 in correlation with Clarification Number 5 above.
11. **Contract Drawing M600 (see attached)** – A new sump, sump pump, drain line, and connection point has been added for the Bladder Surge Vault. The new sump pump drain line ties in to the other sump pump drain line. Updated note 6 in correlation with Clarification Number 5 above.
12. **Contract Drawing M601 (see attached)** – The sump pump drain lines gooseneck to the DI and the pipe shall switch from PVC to GSP before going above grade. A king drain shall be installed at the bottom of the gooseneck in 1 cubic foot of drain rock. A 22 mesh SST screen shall be installed on the gooseneck. Updated note 6 in correlation with Clarification Number 5 above. A 6” wide by 6” deep concrete collar similar to detail 10J-2/TYP shall be added to all pipes penetrating the surface.
13. **Contract Drawing M602 (see attached)** – Added one owner-provided solenoid shut off kit to the existing Arrowcreek pressure reducing station 8” pressure reducing valve, to be installed by the contractor. Updated equipment ID 47 for the 2” pressure reducing valve to Cla-Val model to 93-01 in order to add a solenoid shut off. Updated note 6 in correlation with Clarification Number 5 above.
14. **Contract Drawing M603 (see attached)** – The pump can has been updated to sit on the leveling pad. Updated note 6 in correlation with Clarification Number 5 above.
15. **Contract Drawing M604 (see attached)** – A new sump, sump pump, drain line, and connection point has been added for the Bladder Tank Surge Vault. The sump pump drain lines goosenecks to the DI and the pipe shall switch from PVC to GSP before going above grade. A king drain shall be installed at the bottom of the gooseneck in 1 cubic foot of drain rock. A 22 mesh SST screen shall be installed on the gooseneck. Updated note 6 in correlation with Clarification Number 5 above.
16. **Contract Drawing M700 (see attached)** – Add two owner-provided solenoid shut off valve kits to the existing Copper Cloud pressure reducing station vault to be installed by contractor. Updated note 6 in correlation with Clarification Number 5 above.
17. **Contract Drawing M701 (see attached)** – Add note to center culvert pipe over water and update Note 6 in correlation with Clarification Number 5 above.
18. **Contract Drawing M702 (see attached)** – The pump can has been updated to sit on the leveling pad. Updated Note 6 in correlation with Clarification Number 5 above and added note of 12 inches minimum of clearance in detail B / M702.
19. **All landscape drawings shall be completely replaced with new drawings (see attached).**
20. **Contract Drawing E002 (see attached)** – Updated panel schedule for LP.
21. **Contract Drawing E003 (see attached)** – Updated panel schedule for LP.
22. **Contract Drawing E401 (see attached)** – Added conduits and wires for new sump pump.

23. **Contract Drawing E601 (see attached)** – Added conduits and wires for new sump pump.
24. **Contract Drawing E602 (see attached)** – Added conduits and wires for new solenoid valves.
25. **Contract Drawing E701 (see attached)** – Added conduits and wires for new solenoid valves.

END OF ADDENDUM NO. 2