



CITY OF TOMBSTONE
WATER INFRASTRUCTURE IMPROVEMENT UPGRADES
CAP AZ 8370
PRE-BID CONFERENCE MEETING NOTES
March 14, 2017 9:00 A.M.

Attendance:

Name	Company	Phone Number	E-Mail
Steve Stratton	WestLand Resources, Inc.	928-812-0173	sstratton@westlandresources.com
Erik Christenson	WestLand Resources, Inc.	520-206-9585	echristenson@westlandresources.com
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Chris Lynch	Rottweiler Controls	602-321-3150	clynch@rottweilercontrols.com
Zach Young	Ashton	520-909-6901	zyoung@ashtoncoinc.com
Steve Gontarz	Rottweiler Controls	602-321-3150	sgontarz@rottweilercontrols.com
Ben Carter	KE&G	520-458-9594	bcarter@kegtusv.com
Patty Bitnar	Ashton	520-625-5500	pbitnar@ashtoninc.com
Cecil Zunigu	Redpoint Contracting	602-792-0013	estimating@redpointcontracting.com
Josh Carter	Meridian	520-576-2832	j.carter@meridiancon.net
Thom Martinez	Smyth Industries	520-349-3331	tmartinez@smythindustries.com
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Mac McMillan	City of Tombstone	602-319-9666	mac@brownandassociates.net
Rod Robertson	ASCS	602-320-7698	rodrobertson@as-cs.com

The purpose of the pre-bid meeting was to review the contract documents and description of the project, take questions, and discuss items for an upcoming addendum. An agenda was provided for the meeting. Minutes are provided below.

1. Introductions and Project Description:

The project was introduced and sign-in sheet was distributed. Erik Christenson with WestLand Resources discussed the water supply, arsenic levels, and communication of project. There are 4 projects:

- Surface Water Reservoir
- Water Treatment Site
- Well Site #1
- Well Site #2

Some work has already been completed at the Water Treatment site and will be eliminated from the Bid Schedule. Contractor will be required to provide qualified diver for inspection of the interior of the tank and repair weld damage to the tank caused by the brackets. This will be added to the Bid Schedule by Addenda. **Engineers Note: This has been revised, please see Addendums No. 1 & No. 2.**

The pump bid line item will be based on the pumps called out on the plans, but Bidders are instructed that the pump might be changed. **Engineers Note: Please refer to Addenda No. 2.**

2. **Bid Document** – The bid document was reviewed, including the bid submittal package, Bid due date and public opening, Lump sum bid proposal, bonds, Supplementary Conditions, and Technical Specifications.
 - Bids due March 31, 2017 by 12:00 P.M. (local time). Public opening immediately following.
 - Lump Sum Bid proposal - This is a lump sum bid proposal, the unit pricing on the Bid Schedule is to be used by the Engineer to determine cost when adding or deleting items.

(Must submit the following)

 - Bid Form Pages 1-9
 - Bid Bond
 - Section 00440 (pages 1-4) – must include SCADA Subcontractor
 - Affidavit of Non-Collusion (Section 450)
 - Conflict of Interest Disclosure (Section 460)
 - EEO Clause (Section 470 pages 1-3)
 - Section 490
 - **Other bonds (Performance and Payment)** - are required from the Awarded Bidder
 - **Supplementary Conditions**
 - **Technical Specifications** – when Bid Line Items are revised by Addenda, Bidder is to assume references in Technical Specifications are revised by Addenda.
 - Project is funded by BECC/NADB and is regulated by BECC/NADB procurement procedures.
 - This project does not fall under David Bacon Prevailing Wage requirements.
3. **Contract times** – 180 days to substantial completion (ADEQ Approvals), Operation is suitable for its intended use, Final Completion – 210 days ready to turn over project to the City of Tombstone for acceptance and final punch list.)
4. **Permits** – Contractor is responsible for permits.
5. **Questions** – All questions will be answered in writing and posted on the City of Tombstone's Website. All Addendums will be posted on Website.
 - All questions must be submitted in writing by email to echristenson@westlandresources.com by March 23, 2017, 12:00 P.M. (Local time).
6. **Other** – As-equal will be considered after the Bid Phase. No Value Engineering alternatives will be considered prior to the Bid Opening.

QUESTIONS AND ANSWERS:

- Q1. Is the 180 days calendar or working days?**
A1. Calendar days.
- Q2. Will selection be based on low bid or SCADA selection?**
A2. Selection will be based on low bid for a qualified contractor, persons for SCADA qualifications will be considered.
- Q3. Are we providing a list of qualified SCADA contractors?**
A3. No.
- Q4. Will we have a column boot detail? For liner work?**
A4. Contractor must provide shop drawings from manufacturer to ensure compliance with warranty.
- Q5. Will the reservoir be drained before we get to it?**
A5. The City of Tombstone can have the reservoir drained when required. Contractor will coordinate draining with the City after selection, and will coordinate with the City for storage and specific sequencing of work.
- Q6. Will Contractor need to hire a diver for the tank and reservoir?**
A6. Refer to Addendum No. 1 regarding the Tank at the Treatment Site. Reservoir will be empty. Inspection is required after liner is removed. Costs of reservoir inspections are incidental to the bid.
- Q7. I do not see a cross section for the pond. Will the entire pond be anchored with batten bar around the top?**
A7. Yes. Please refer to Detail 3, sheet 7.
- Q8. Reservoir Area: If earthwork is performed to accommodate equipment, will the Contractor be required to return those areas back to their original state or leave the area disturbed?**
A8. The Contractor will not be required to do any reclamation.
- Q9. Reservoir Area: The entrance gate with the cattle guard to get to the Water Treatment Site and Reservoir will need to be taken out to get equipment in and out. Is it acceptable to place a temporary gate/fence once it has been removed until demobilization and permanent replacement are completed?**
A9. This cattle guard and road will not be the ingress-egress to the project. A more suitable road has been selected. The location of this road will provided by the City early next week.
- Q10. Reservoir Area: Where the inlet pipe comes through the outside barrier wall the wall is falling apart and heavily damaged. What is the expectation for the replacement of the wall? Please provide a detail for the reinstalling of the block wall if necessary.**
A10. The Contractor will not be responsible for repairs to the existing wall after construction. The Contractor will be responsible for making sure that the adjacent remaining existing wall remains stable after construction.

- Q11. Reservoir Area: Can the Batten Bars and Anchors be reused?**
A11. The Contractor is to provide a new Batten Bar as show on Detail 3, Sheet 7. Existing anchors in good condition may be used as shown in the same detail.
- Q12. Reservoir Area: Please provide some detail or specification on the geotextile that is to be placed under the liner.**
A12. The Contractor's bid should assume that no geotextile will be required. The condition of the reservoir underneath the existing liner will be reviewed after removal of the liner. At this point, the need for a geotextile under-layer will be determined.
- Q13. Reservoir Area: Please provide detail of the column boot connections that will need to be used at the columns on the floor of the reservoir.**
A13. The Contractor is to provide shop drawings of this connection based upon the manufacturer's recommendations.
- Q14. Reservoir Area: If blading the road to the reservoir is needed for equipment access will the road need to be placed back as it was or can it be left in bladed condition?**
A14. The existing road may be left in bladed condition.
- Q15. Water Treatment Site Upgrades: How long once the tank has been filled can the line be shut down in order to swap out the MAG Meters inside of the building?**
A15. The timing of the line shutdown will be required to be worked out with the City.
- Q16. Water Treatment Site Upgrades: Please confirm that a Diver Bid item will be added to the contract. Will you be adding a force account item for repairs to the inside of the tank if they are needed?**
A16. Please see Addendums #1 and #2.
- Q17. Well Site 1: The Contractor would like to request a sketch or drawing of the expected piping that is to be completed at this well.**
A17. Please see Addendum #2
- Q18. Well Site 1: Is the existing meter to be replaced with a spool? If so, does the Contractor need to turn this over to the owner?**
A18. Please see Addendum #2
- Q19. Well Site 1: The North East 90 is covered in insulation. Will field welding a flange onto this 90 be necessary or would you prefer a PE x FL piece to be used at this 90?**
A19. WestLand does not have a preference for either option and will coordinate with the Contractor on the proposed connection to the existing pipe (See Addendum #2).
- Q20. Well Site 1: Where is the pressure sensor Thread-O-Let to be placed on this piping run?**

- A20. Please see Addendum #2.
- Q21. Well Site 2: Please confirm that the existing shade over the gen and gen pad is to be demoed.**
- A21. The City will demolish the existing shade adjacent to the booster station. The shade over the well site is to remain. Refer to Addendum #1.
- Q22. Well Site 2: 2. Please confirm that the existing Gen and gen pad are to remain.**
- A22. The generator and associated concrete pads are to remain.
- Q23. Well Site 2: Please provide a detail for capping the location where the pump is being removed.**
- A23. The Contractor and/or their qualified well subcontractor will determine the appropriate method to temporarily cap the well. The Contractor shall submit a method to the Engineer for approval prior to capping.
- Q24. WFI is a distributor, representative of highly engineered pumping equipment. Your subject project came to our attention and we propose that you consider two manufacturers as equals to your specified brand.**
- A24. Please bid on the project as shown. The Engineer will evaluate potential "As-equal" items as described in the contract documents after the project is awarded.
- Q25. I'm working with Ashton Company to get a quote out for the City of Tombstone water infrastructure project. They wanted a quote for our 1720E turbidimeter. The 1720E will be obsoleted in the next 5-6 years. Most Cities are wanting to go with the new TU5. I've attached the spec sheet. Let me know which way you want to go.**
- A25. Please bid on the project as shown. WestLand will evaluate "as equal" items as described in the contract documents after the project is awarded.
- Q26. The Amtrol bladder tank listed on the drawing is a residential model that only comes in 150 psi rating. To get a commercial bladder tank rated at 250 psi, the only sizes they have are 106 gallon or 132 gallon. What would they prefer, the commercial size tank at 250 psi or the residential model at 150 psi.**
- A26. All bidders are instructed to select an AMTROL WX-407C rated to 250 psi. Please refer to Addendum #2.
- Q27. Can you provide dirt access road grading limits or SY quantities?**
- A27. The Contractor is responsible for determining the necessary road upgrades to get their equipment to the site and determining their estimated SY quantities.
- Q28. Is rock excavation incidental to all work?**
- A28. Contractor should assume rock excavation. Contractors are welcome to coordinate with WestLand and City of Tombstone to dig a test hole to refine their bid.
- Q29. Well Site #2, can you provide well registration number or approximate well total depth?**

A29. The ADWR Registration Number is 55-616499. According to ADWR, the well is 600 feet deep and the casing is 465 feet deep. WestLand has no additional information other than that provided by ADWR.

Q30. Well Site #2, will the City drain the Tank completely?

A30. The Tank at Well Site #2 is not currently in operation and will be empty.

Q31. The booster pump station seems to be controlled via the PLC in the Telemetry panel. Is a PLC required in the Booster Pump Control Panel?

A31. Booster pumps are to be provided with a control panel that accepts discrete contact input from the telemetry panel PLC for each pump. Telemetry panel will signal one or both pumps to run when needed.

Q32. Note: The booster pumps are rated for 40HP, but the load summary (Sheet E40 indicates 25HP)?

A32. Booster pump selection has been revised to Grundfos BoosterPac Model MPC-E 2 Pump CR 32-6, see Addendum #2. These pumps have a rating of 25 hp.

Q33. Are we quoting both the well and booster pumps? The booster pumps do not have operating conditions in the spec (they are listed on the drawing). The well pumps do not have a drawing (conditions are listed in the spec). Should we provide the same materials of construction for both pumps. We need more information?

A33. The Contractor is to quote both the well and the booster pumps. However, please note that an assumed price for the well pump and motor has been provided on the bid schedule. This is because the operating conditions of the well are not entirely known, and must be verified by testing after the existing pump is removed from the well. Then, a well pump and motor will be selected, and the winning Contractor's contract adjusted accordingly to match the actual well installation. The operating conditions of this pump will be verified by the Engineer and the pump selected will meet the requirements of the mentioned specification. The materials of construction will be as specified.

The booster station pumps have been revised (See answer to **Q33** and Addendum #2). The Contractor is to provide this pump with its standard materials of construction.

Q34. Plan sheet 6 of 19, Booster Station Pump Data Table at bottom it reads that two 132 gallons 250 psi ASME Bladder tanks to be installed, will there be two installed or one? as plans only show one.

A34. There will be one 132 Gallon, 250 psi ASME Bladder Tank as listed in **A26**.

Q35. Who is responsible for compaction testing and survey?

A35. The Contractor. Costs shall be incidental to the Bid Price.

- Q36. If project is over budget, does the town has additional funding?**
A36. Not applicable to the bid.
- Q37. Bid Schedule, Surface Water Reservoir Site, Item 7 shows quantity of one 8” gate valve. Drawing shows quantity of two. Please advise.**
A37. Please provide two gate valves as shown in the drawing.
- Q38. Bid Schedule, Water Treatment Site, Item 6. In-tank lining inspection and repair.**
- a. The lump sum quote for the repair portion of this item cannot be provided until inspection is completed.**
A38a. Bidder is instructed to provide a price for in-tank inspection only. An allowance for repairs is included in the Revised Bid Schedule (See Addendum #2). Desired repairs will be negotiated with the Selected Contractor based upon results of inspection.
- b. Please provide specification for the “lining” materials inside of the tank. Is it a coating or lining?**
A38b. In-tank material is unknown. The Engineer anticipates that the inspection will determine the material. This will be considered during negotiation of repairs.
- c. When was the tank cleaned last time? Diver’s concern is a sediment on the bottom, which may impair the quality of the inspection.**
A38c. In-tank material is unknown. The Engineer anticipates that the inspection will determine the material. This will be considered during negotiation of repairs.
- d. Will video inspection be required?**
A38d. No, however inspection will need to be performed by a qualified individual.
- e. Is there a ladder?**
A38e. There is a ladder on the outside of the tank, however it is unknown whether there is a ladder on the inside.
- f. What is the location and a diameter of the manway?**
A38f. Unknown
- g. Is there any fall protection in place?**
A38g. There is a cage on the outside ladder, other fall protection is unknown.
- Q39. Drawing 6 of 19, Booster Station Plan and Details. Keynotes, Item 1 shows 119 gallon Amtrol Bladder Tank. All details shows one (tank). Booster Station Pump Data on the same drawing calls for “booster station will be a Grundfos Boosterpaq with two CR-64-4-2 booster pumps and two (2) 132 gallon. Bladder Tanks. Please confirm the size and the quantity of the Bladder Tanks.**
A39. There will be one 132 Gallon, 250 psi ASME Bladder Tank as listed in Q26.
- Q40. Drawing E1. What kind of antenna is required for the radio modem?**
A40. Antenna per radio modem manufacturer per Keynote E on Drawings E6.

- Q41. Drawing E2, Keynote F shows “connect to existing flowmeter”. Drawing 3 of 19 shows “replace existing flowmeters (see electrical plans).” Are these flowmeters to be replaced? If so, please provide manufacturer and a part number.**
- A41. Flow meters are to be replaced, manufacturer is provided on Sheet 3.
- Q42. Drawing E2, Keynote G shows demo turbidity meters and install new turbidity meter. There are two (2) turbidity meters that need to be demolished and the plans show to install one (1) turbidity meter. Please confirm the required quantities.**
- A42. Only one new turbidity meter is to be installed.
- Q43. Drawing E2, Keynote G shows the part number for the turbidity meter. This part number is for the sensor only. Is a controller needed for the sensor or is the sensor connected directly to the Telemetry panel? If a controller is required, please provide the part number and where it will be powered from.**
- A43. A Hach sc200 controller is required. Model 2978100 gets both the sensor and controller. It will get 120VAC from the existing receptacle in the turbidity meter panel.
- Q44. Drawing E4. Please provide the panel schedule for the Electric Panel under the new shade structure for the booster pumps.**
- A44. The electrical panel referred to is the power panel (i.e. VFDs) associated with the booster pumps and is to be provided with the pumps.
- Q45. Drawing E4. Is there a schematic diagram for the Control Panel for the Booster Pumping system?**
- A45. To be provided with the packaged booster pumping system manufacturer.

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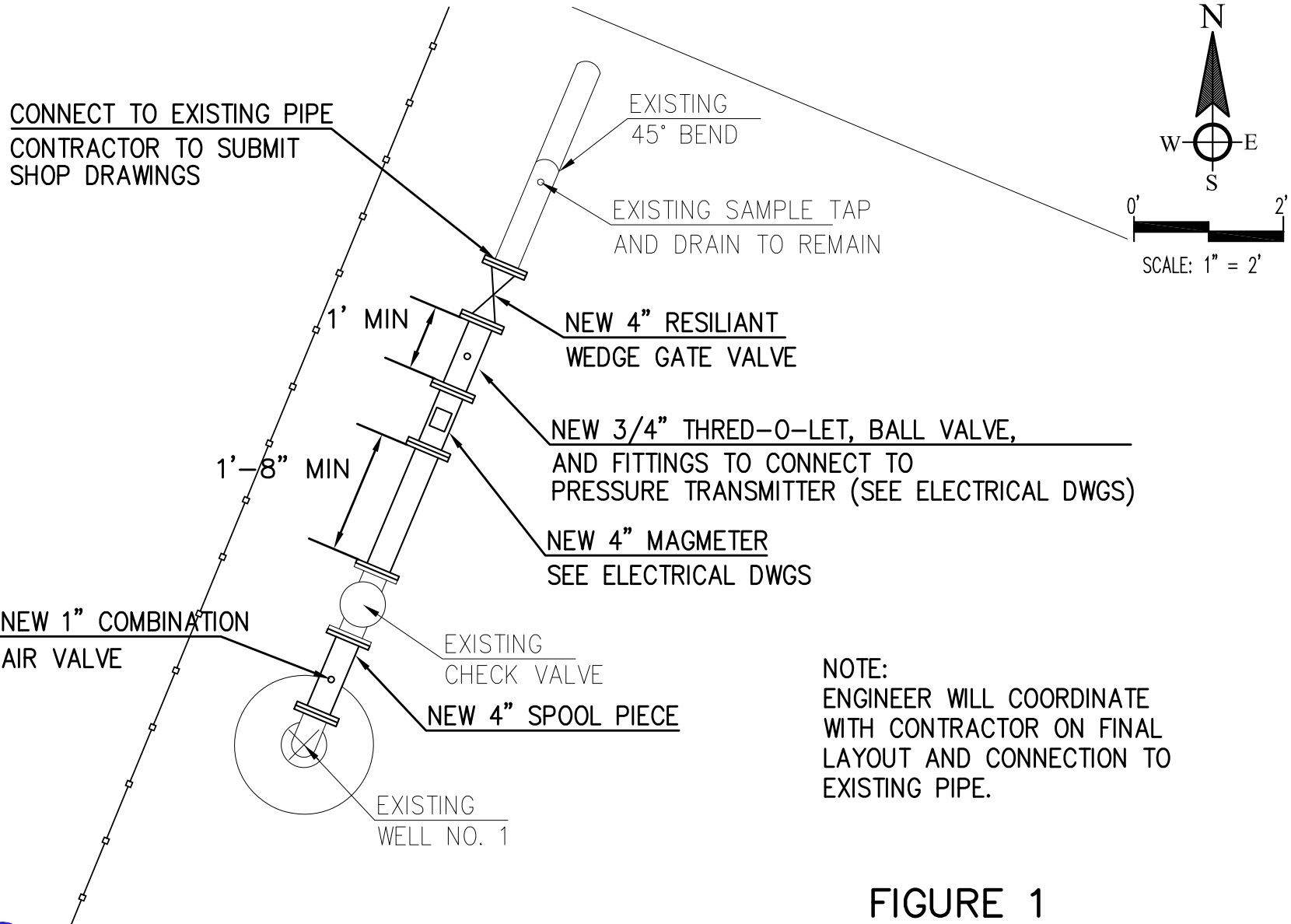


FIGURE 1
WELL SITE NO. 1 CONCEPTUAL PIPE LAYOUT
TOMBSTONE WATER INFRASTRUCTURE
IMPROVEMENT PLANS

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