

Addendum No. 1

PROJECT: Lewis & Clark Regional Water System
Banner Job No. 20000.42.01
HDR Project No. 10084546

CONTRACT: Replace Angle Wells at Sites C and D Project

BID DATE: June 5, 2018 at 2:00 p.m. CDT

ADDENDUM ISSUE DATE: May 30, 2018

SPECIFICATIONS

1. SECTION 02580 – GRAVEL PACK WELLS

- a. *Delete:* "production wells and observation wells" from Paragraph 1.3.B.2.a.8).a), page 02580-3, since the sieve analysis is only required for sizing the well screen and gravel pack.
- b. *Change:* "registered geologist in the State of South Dakota" in Paragraph 2.2.B.5.a. to "geologist".

2. SECTION 02590 – SUCTION CONTROL FLOW DEVICE

- a. *Delete:* Paragraph 2.1 in its entirety and renumber remaining paragraphs in Part 2 accordingly.
- b. *Add:* After existing paragraph 2.3.B.1., add the following:
"2. Submit data from hole sizing program with shop drawing showing theoretical velocities."

3. SECTION 11072 - PUMPING EQUIPMENT, VERTICAL TURBINE (LINE SHAFT)

- a. *Change:* "5 FT" to "10 FT" in paragraph 2.4.B.3.
- b. *Insert:* ", inside and out," following "epoxy system" in Paragraph 2.4.B.4.
- c. *Insert:* "and suction bell" following ""water passages"" in Paragraph 2.4.D.2.
- d. *Add:* Item 13 following Paragraph 2.4.H.12., as follows: "13. Coat discharge head assemblies with epoxy coating suitable for potable water use, inside (factory) and out, in accordance with Section 09905."

DRAWINGS

1. PLAN SHEET 01C 103

- a. Add: Following note 1 on the GENERAL NOTES add the following notes:
“2. Any earthwork, clearing, fill material, etc. required to properly position the drilling equipment and mud pits is considered to be ancillary to the project and included in the bid. Note that any such work must be in compliance with the SECTION 01100 – ENVIRONMENTAL QUALITY PROTECTION.”

2. PLAN SHEET 01C 103

- a. Add: Following note 1 on the GENERAL NOTES add the following notes:
“2. Any earthwork, clearing, fill material, etc. required to properly position the drilling equipment and mud pits is considered to be ancillary to the project and included in the bid. Note that any such work must be in compliance with the SECTION 01100 – ENVIRONMENTAL QUALITY PROTECTION.”

3. PLAN SHEET 01D-101

- a. *Change:* “BLACK” to “TAN TO MATCH EXISTING” on Key notes 9 & 10.
- b. *Move:* Exhaust fan & duct location along with key note 9 on the plan for Vaults 06-6, 06-2 and 03-1 from the upper right corner of the new vault of the plan to the lower right. Conversely move the supply air duct and key note 10 from the lower left to the upper left corner of the new vault. This locates the exhaust fan and duct to be on the backside of the pump discharge piping from the perspective of the access door, similar to the plan for Vault 06-5 on this sheet.
- c. *Remove:* Section cut “A” from the plan for Vaults 06-6, 06-2 and 03-1. See attached revised Sheet 01D-101

4. PLAN SHEET 01E-103

- a. *Move:* Exhaust fan & duct location on the plan for Vaults 06-6, 06-2 and 03-1 from the upper right corner of the new vault of the plan to the lower right. Conversely move the supply air duct from the lower left to the upper left corner of the new vault. This locates the exhaust fan and duct to be on the backside of the pump discharge piping from the perspective of the access door, similar to the plan for Vault 06-5 on this sheet. See attached revised Sheet 01E-103.
- b. *Change:* Move the location of relocated safety and disconnect switches described in Keyed Note 1 from the wall in the existing vault as shown to be

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adjacent to the door in the new vaults, right side as you enter new vault for
Vaults 06-6, 06-2 and 03-1 and to the left on Vault 06-5. See attached revised
Sheet 01E-103.

ATTACHMENTS

SPECIFICATIONS - NONE

DRAWINGS

- SHEET 01D-101
- SHEET 01E-103

OTHER

- Pre-bid Meeting Minutes
- Pre-bid Meeting Attendance

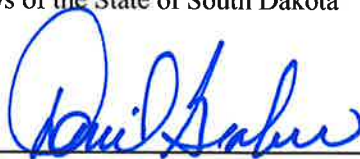
Addendum and drawings will also be available at www.bannerassociates.com - follow the links
under “Bid Information”.

Except as so amended herein, the remainder of the Contract Documents remain unchanged.

THIS ADDENDUM IS MADE PART OF THE CONTRACT DOCUMENTS AND SHALL BE
NOTED ON THE BID FORM.

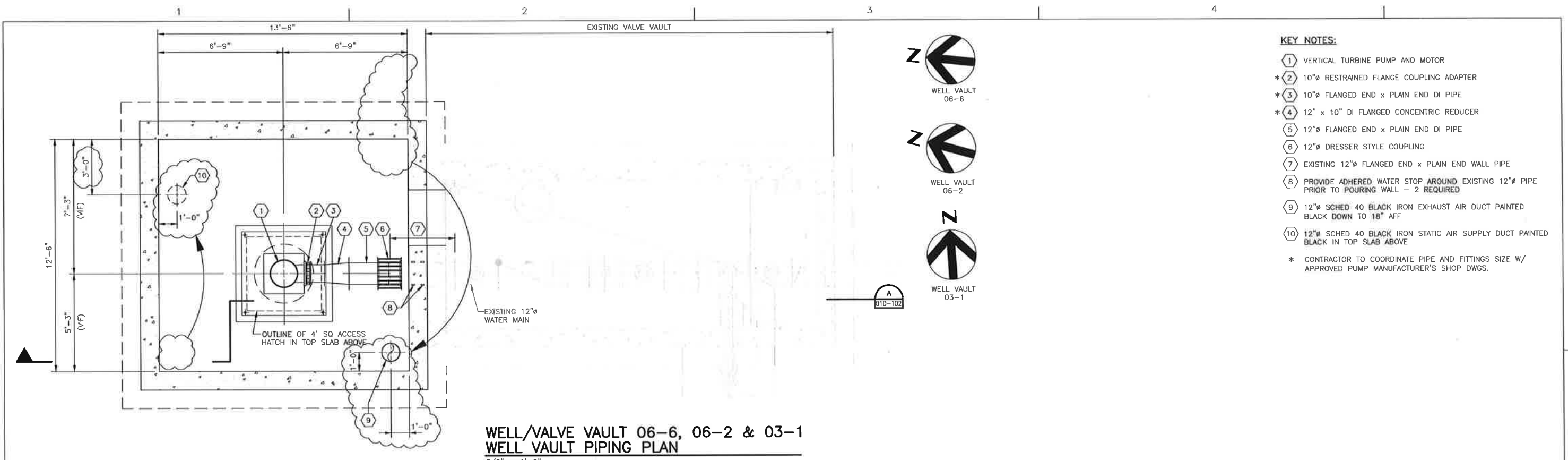
I hereby certify that this addendum was prepared by me or under my direct supervision and that I am a duly
licensed professional engineer under the laws of the State of South Dakota




Date: 5-30-18 Lic. No. 7934

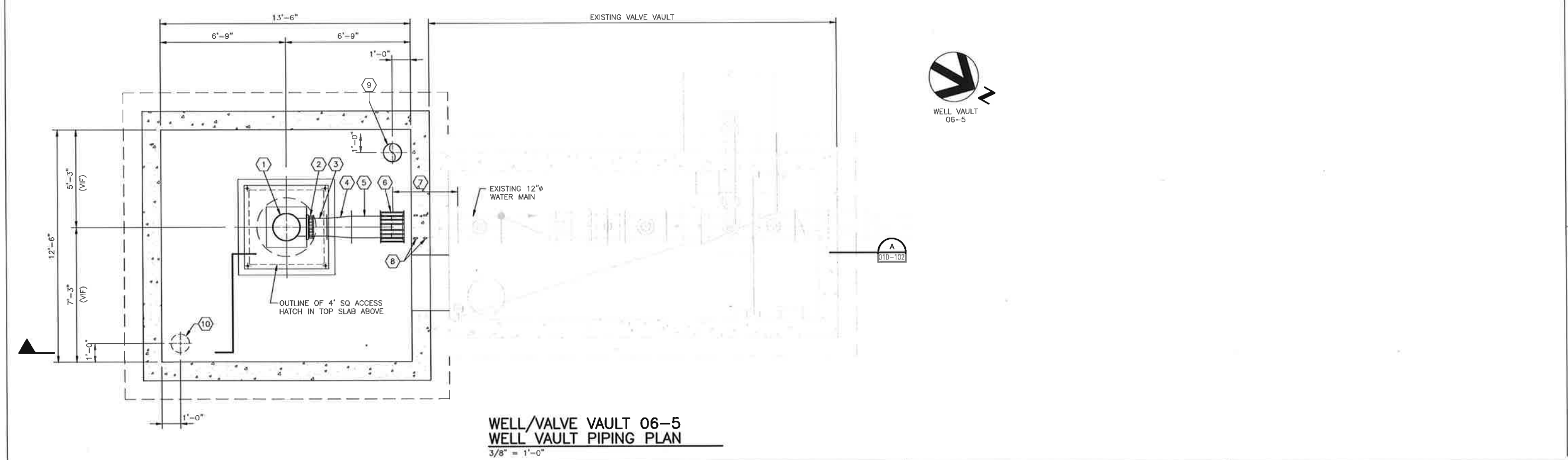
Current Planholders list is available at www.bannerassociates.com - follow the links under “Bid
Information”.

END OF ADDENDUM NO. 1

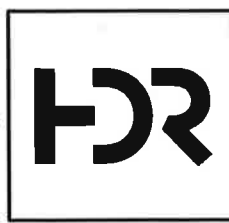


WELL/VALVE VAULT 06-6, 06-2 & 03-1
WELL VAULT PIPING PLAN
 3/8" = 1'-0"

- KEY NOTES:**
- ① VERTICAL TURBINE PUMP AND MOTOR
 - * ② 10" RESTRAINED FLANGE COUPLING ADAPTER
 - * ③ 10" FLANGED END x PLAIN END DI PIPE
 - * ④ 12" x 10" DI FLANGED CONCENTRIC REDUCER
 - ⑤ 12" FLANGED END x PLAIN END DI PIPE
 - ⑥ 12" DRESSER STYLE COUPLING
 - ⑦ EXISTING 12" FLANGED END x PLAIN END WALL PIPE
 - ⑧ PROVIDE ADHERED WATER STOP AROUND EXISTING 12" PIPE PRIOR TO POURING WALL - 2 REQUIRED
 - ⑨ 12" SCHED 40 BLACK IRON EXHAUST AIR DUCT PAINTED BLACK DOWN TO 18" AFF
 - ⑩ 12" SCHED 40 BLACK IRON STATIC AIR SUPPLY DUCT PAINTED BLACK IN TOP SLAB ABOVE
- * CONTRACTOR TO COORDINATE PIPE AND FITTINGS SIZE W/ APPROVED PUMP MANUFACTURER'S SHOP DWGS.



WELL/VALVE VAULT 06-5
WELL VAULT PIPING PLAN
 3/8" = 1'-0"



ISSUE	DATE	DESCRIPTION

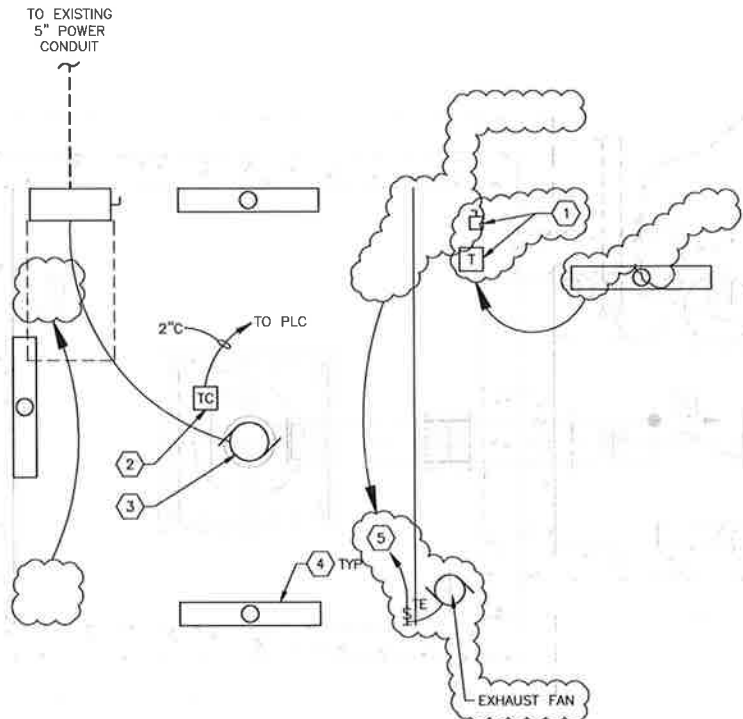
PROJECT MANAGER	DAN GRABER
PROJECT ENGINEER	A. ERICKSON
CIVIL	
STRUCTURAL	A. HANSON
ARCHITECTURAL	
PROCESS	A. ERICKSON
MECHANICAL	
ELECTRICAL	K. GANSKOP
PROJECT NUMBER	10084546



Replace Angle Wells at Sites 'C' & 'D'
 32091 (Site C) & 32131 (Site D)
 SD Hwy 19

Well / Valve Vault Piping Plans
ADDENDUM 1

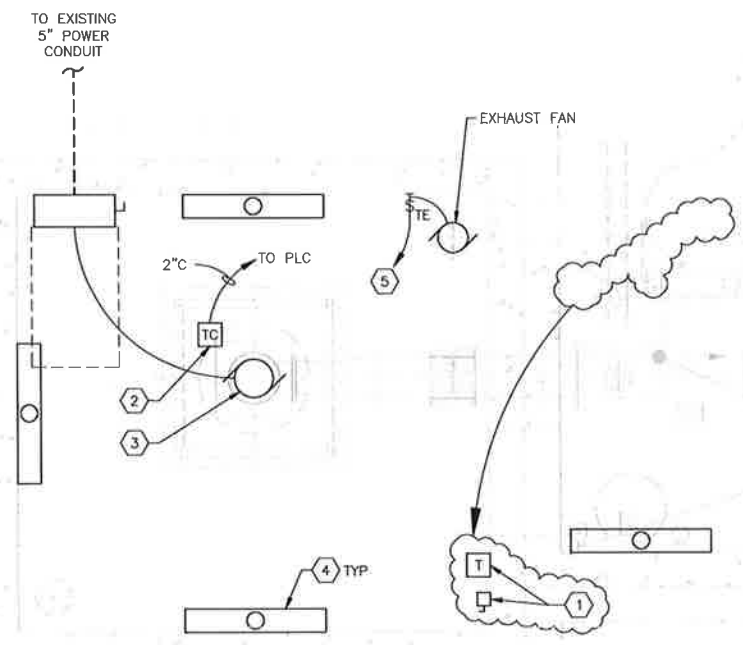
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	SCALE	AS NOTED	01D-101



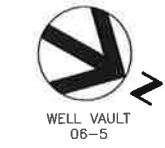
**VALVE VAULT 06-6, 06-2 & 03-1
PIT LEVEL ELECTRICAL PLAN**
3/8" = 1'-0"



- KEYED NOTES:**
- ① APPROXIMATE LOCATION OF RELOCATED SAFETY SWITCH AND DISCONNECT SWITCH
 - ② RELOCATED LEVEL TRANSMITTER SUSPENDED IN WELL. RECONNECT TO PLC ABOVE.
 - ③ NEW WELL PUMP MOTOR
 - ④ 48" LED VAPOR TIGHT FIBERGLASS HOUSING, CLEAR ACRYLIC LENS, 3000 LUMENS, 4000K COLOR TEMPERATURE, 90 CRI, HOLOPHANE EMS-L48-3000LM-LPAQL-MD-MVOLT-GZ10-40K-90CRI, OR APPROVED EQUAL. CONNECT NEW LIGHT FIXTURES TO EXISTING LIGHTING CIRCUIT.
 - ⑤ 2-#12, 1-#12G, 3/4" C TO LIGHTING PANEL IN CONTROL CABINET ABOVE VIA 120V IN-LINE THERMOSTAT. PROVIDE 20A, 1-POLE CIRCUIT BREAKER AT LIGHTING PANEL.



**VALVE VAULT 06-5
PIT LEVEL ELECTRICAL PLAN**
3/8" = 1'-0"



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	DAN GRABER
PROJECT ENGINEER	A. ERICKSON
CIVIL	
STRUCTURAL	A. HANSON
ARCHITECTURAL	
PROCESS	A. ERICKSON
MECHANICAL	
ELECTRICAL	K. GANSKOP
PROJECT NUMBER	10084546



Replace Angle Wells at Sites 'C' & 'D'
32091 (Site C) & 32131 (Site D)
SD Hwy 19

**Well Site 'C' and Site 'D'
Well Vault Lower Level
Power and Lighting Plan
ADDENDUM 1**

FILENAME: 01E-103.DWG
SCALE: AS NOTED
SHEET: 01E-103

**PREBID CONFERENCE MEETING MINUTES
Replace Angle Wells at Sites C & D Project**

for
**Lewis & Clark Regional Water System, Inc.
Sioux Falls, South Dakota**

May 22, 2018 – 2:00 PM

**Prebid Meeting Location:
Lewis & Clark Regional Water System Water Treatment Plant
North of Vermillion, SD at 31474 SD Highway 19**

1. INTRODUCTIONS

2. ROSTER

- See attached sign-in roster sheet.

3. WORK INCLUDES:

The work to be performed under this Contract consists of, but is not limited to the following:

- Drilling and construction of four vertical wells, two at Site C and two at Site D, with associated materials - this includes well completion, development and testing.
- Install piping and fitting connections from the new well casings to existing site piping.
- Demolition of a portion of four existing underground cast-in-place concrete valve vault structures at Sites C&D and construction of an expansion to contain the new vertical wells, pumps, motors and related equipment.
- Furnish and install pumps, motors and other required equipment at the new wells at Sites C&D.
- Electrical, mechanical and control work.
- Abandonment and the required documentation with the State of South Dakota of the four existing angle wells.
- Clean up, site restoration and all other miscellaneous work required, not herein mentioned, but inferred from the construction contract documents.

4. FUNDING:

- Funding is through US Bureau of Reclamation (USBOR).

5. BID OPENING DATE AND TIME:

Bids shall be prepared and delivered in a sealed envelope to **Lewis & Clark Regional Water System, 46986 Monty Street, Tea, SD 57064**, ATTN: SEALED BID – REPLACE ANGLE WELLS AT SITES C&D; not later than **2:00 PM CDT** (local time – our clock) on **June 5, 2018** at which time all bids will be read aloud publicly and in the presence of the bidders and their representatives.

6. PROPOSAL (follow Instructions to Bidders):

- a. Use forms in Contract Documents and Specifications.
- b. Attach to Bid Form (The following items):
 - Bid Form (acknowledge addenda, check box with regard to attending the Pre-bid conference, sign and attest bid)
 - Lump Sum Bid Price (Base Bid, Line Items 1 – 15) and Unit Prices for Addition or Deletion Items in the Bid Form, Lines 9, 10 & 12)
 - Representations, Certifications and Other Statements of Offerors (Form DI-2010, Parts A – E)
 - Part G - Certificate of Nondiscrimination
 - Part H - Elimination of Segregated Facilities
 - Bid Security
 - List of Subcontractors and Suppliers (major)
 - Bidders Statement of Qualifications
 - Evidence of Authority to do business in the state of the Project

7. CONTRACT TIME:

- Completion Dates:
 - Work will be substantially complete and the new vertical wells capable of pumping water to Owner's Water Treatment facilities, including all pumps, motors, electrical and HVAC equipment, piping, valve vault, telemetry, controls and all other required equipment on or before:
 - December 21, 2018 – Wells at Site C
 - December 20, 2019 – Wells at Site D
 - Refer to Section 00520 - Standard Form of Agreement.
- Liquidated Damages: As set forth in the Agreement,
 - Well Site C
 - \$1,300/day beginning December 22, 2018 until both wells meet substantial completion requirements.
 - Additional liquidated damages for lost water sales which are in addition to the \$1,300 listed above.

- \$300/day beginning May 1, 2019 until Well 06-6 meets substantial completion requirements and can be put into production
- \$250/day beginning May 1, 2019 until Well 06-5 meets substantial completion requirements and can be put into production
- Well Site D
 - \$1,300/day beginning December 21, 2019 until both wells meet substantial completion requirements.
 - Additional liquidated damages for lost water sales which are in addition to the \$1,300 listed above.
 - \$200/day beginning May 1, 2020 until Well 06-2 meets substantial completion requirements and can be put into production
 - \$100/day beginning May 1, 2020 until Well 06-5 meets substantial completion requirements and can be put into production
- Final Completion: \$325/day for each day after the Final Completion date until ready for final payment.

8. BASIS OF AWARD AND OWNER'S BIDDING RIGHTS:

If the Contract is to be awarded, the Contract will be awarded to the Bidder whose evaluation by the Owner indicates to the Owner that the award will be in the best interests of the Project. An economic analysis (if appropriate) may be used in part to assist the Owner in determining the Bid that is in the best interest of the project. Refer to Article 19 of Section 00200 - Instructions to Bidders.

9. INTERPRETATIONS:

- Only addenda can modify documents.
- Refer to Article 7 of Section 00200 – Instructions to Bidders.

10. ADDENDUMS:

Addendum No. 1 will be issued in a timely manner, if possible.

Contractors will be made aware of addendums via fax.

All addendums can also be found and printed off of the website at www.bannerassociates.com and located under Bid Information. An updated planholders list is also available for download from the same site.

11. AGREEMENT:

- Agreement is included in the Contract Documents.
- Construction performance and payment bonds required in the amount of 100% of the contract award for each bond.

12. ENVIRONMENTAL ISSUES:

- Refer to Section 01100 – Environmental Quality Protection paragraph 3.1 through 3.8.
- A survey was conducted for endangered shoreline nesting birds and it appears the nearest potential nesting site would be at least one-third mile from the South Dakota shoreline, based on the higher river flows this season.
- Discussion of new borrow sites and existing pit and commercial source requirements. *Compliance with this has delayed projects and must be complied with. See Spec Section 00200, Paragraph 4.07.F.*

13. GEOTECHNICAL AND OTHER INFORMATION:

Soil borings for the project are included in Appendix B of the Contract Document Specifications.

14. PERMITS, FEES, & UTILITIES:

- Contractor responsible for all permits, filing permits, fees, security, utilities, temporary electricity, water, etc.

15. PAYMENTS:

Pay requests will:

- Monthly
- 10% retainage
- Upon reaching 50% completion, without stored materials, the retainage may be reduced to 5%.

16. FIELD ENGINEERING/SURVEYING:

- Surveying (Section 01050):
 - Engineer will establish major survey control points.
 - Engineer to furnish offset staking for layout of the Work. All other surveying work by the CONTRACTOR.
 - Engineer may perform check surveys for grade and quantities
- Quality Control Services (Section 01400):
 - Quality control testing to be performed by Contractor.

- Quality assurance testing for concrete, soils density, moisture, gradations, etc., will be through Owner. (if any)

17. PRECONSTRUCTION CONFERENCE:

- Preconstruction conference will be held within 10 days after Notice-to-Proceed and prior to mobilization to site.
- Contractor's key personnel are required to attend, including principal subcontractors and suppliers representatives. All governing agencies and utilities shall also be invited to attend.

18. BUREAU OF RECLAMATION COMMENTS: (*Not Present*)

19. OTHER AGENCY COMMENTS: (*Not Present*)

20. OWNER COMMENTS:

- *LCRWS will provide the water for drilling.*
- *Stored materials can be stored anywhere within reason. The wells have public access however. Some materials may be able to be stored in the LCRWS WTP shop. Make any such requests with Jim Auen.*
- *The well sites are on SDGFP land and the public has access at all times.*
 - *The use is not widespread but there can be people walking along the river and have the right to do so.*
 - *Protect the public from open excavations and other hazards.*
 - *Hunting is allowed which currently can include rifle hunting albeit not frequent. Bow hunting is more typical. SDGFP has limited the area to temporarily not allow rifle hunting previously at the well sites and that can be discussed with them if desired for this project.*
- *Restoration includes repair to roadways and SDDOT will do an inspection and require repairs to return to original condition if impacted (Section 01700).*

21. QUESTIONS:

- *None other than described above.*



REGIONAL WATER SYSTEM

Pre-Bid Conference Roster Sheet

PROJECT: Angle Well Replacement at Sites C & D
PROJECT NUMBERS: Banner 20000.42.01; HDR 10084546
PRE-BID DATE: May 22, 2018 - 2:00 PM CDT
LOCATION: Lewis & Clark Water Treatment Plant
 Vermillion, SD

NAME/REPRESENTING	ADDRESS	PHONE/FAX #'s	E-MAIL
Tim Conner	409 22nd Avenue South	Phone: 605.692.6342	timc@bannerassociates.com
Banner Associates, Inc	Brookings, SD 57006	Fax: 605.692.5714	
Mike Duchscher	31474 SD Highway 19	Phone: 605.310.4420	mduchscher@lcrws.org
Lewis & Clark Regional Water System	Vermillion, SD	Fax:	
Jim Auen	31474 SD Highway 19	Phone: 605.624.8700	jauen@lcrws.org
Lewis & Clark Regional Water System	Vermillion, SD	Fax:	
Al Erickson	6300 South Old Village Place #100	Phone: 605.977.7741	allan.erickson@hdrinc.com
HDR	Sioux Falls, SD 57108	Fax: 605.977.7747	
Daniel Graber	6300 South Old Village Place #100	Phone: 605.977.7767	dan_graber@hdrinc.com
HDR	Sioux Falls, SD 57108	Fax: 605.977.7747	
Doug Yantzie	846 S 13th St	Phone: 402.759.2929	
Sargent Drilling	Geneva, NE 68361	Fax: 402.759.4960	
Nate Jacobson	846 S 13th St	Phone: 402.759.2758	
Sargent Drilling	Geneva, NE 68361	Fax: 402.759.4960	
Kevin Schulz	800 W 23rd Street	Phone: 605.665.3258	schulzkevin@welfi.com
Welfi Constuction Corp	Yankton, SD 57078	Fax: 605.665.9384	
Mike Whitezel	PO Box 627	Phone: 308.872.2272	mike@sargentirrigation.com
Sargent Drilling	Broken Bow, NE 68822	Fax: 308.872.2273	



REGIONAL WATER SYSTEM

Pre-Bid Conference Roster Sheet

PROJECT: Angle Well Replacement at Sites C & D
PROJECT NUMBERS: Banner 20000.42.01; HDR 10084546
PRE-BID DATE: May 22, 2018 - 2:00 PM CDT
LOCATION: Lewis & Clark Water Treatment Plant
 Vermillion, SD

NAME/REPRESENTING	ADDRESS	PHONE/FAX #'s	E-MAIL
Dan Freese	PO Box 189	Phone: 308.234.1914	dan.freese@layne.com
Layne-Christensen	Kearney, NE	Fax: 308.234.6326	
Jeremy Mulder	2212 E 39th Street North	Phone: 605.336.8310	jeremy@americanelectric.com
American Electric	Sioux Falls, SD 57108	Fax:	
Terry Heiliger	3150 SE Gateway Dr. Suite B	Phone: 515.986.3462	Terry.Heiliger@Layne.com
Layne-Christensen	Grimes, IA 50111	Fax: 515.986.347	
Barrie Larsen	7th Street	Phone: 712.252.4221	blarsen@tec-corp.com
Thompson Electric	Sioux City, IA 51105	Fax: 712.252.5860	
Bob Valentine	808 W 23rd	Phone: 605.260.8683	ddykstra@eleair.net
Power Source	Yankton, SD	Fax: 605.665.6090	