

ADDENDUM NO. 2 TO BID DOCUMENTS

FOR

**DRILLING AND INSTALLATION OF THE SECATERO WELL IN
THE ALAMO CHAPTER, NEW MEXICO**

Bid Number 23-07-3070LE

Navajo Nation Department of Water Resources - Water Management Branch
PO Box 678
Fort Defiance, Arizona 86504



Prepared by:

WSP USA Environment & Infrastructure Inc.
4221 Balloon Park Rd NE
Albuquerque, NM 87109



Project Number: 2251700004

October 16, 2023

SITE VISIT SUMMARY

The Secatero well site visit began at 1:30 pm and concluded at 2 pm. The following people were in attendance:

Chris Paez, ANSBI	Mike Scrudato, WSP
Michael Armijo, NN ONLR	Jeffrey Samson, WSP
Pedro Pizaro, Stewart Brothers	Mary Kairouz, WSP

The borehole location was selected and marked with a white flag. It was discussed that construction must stay within the 150'x150' R/W and avoid the rock piles on the south of the project site. The project will be subject to the Navajo Preference in Employment Act. Contractor questions are shown below.

CONTRACTOR QUESTIONS & ANSWERS

1. Where can water be discharged for test pumping?
 - a. Water may be discharged on the west side of the project site and flow down the hill away from the road.
2. Can a skid steer be used for site grading to provide vehicle access?
 - a. Yes

ADDENDUM NO. 1 TO BID DOCUMENTS

FOR

**DRILLING AND INSTALLATION OF THE SECATERO WELL IN
THE ALAMO CHAPTER, NEW MEXICO**

Bid Number 23-07-3070LE

Navajo Nation Department of Water Resources - Water Management Branch
PO Box 678
Fort Defiance, Arizona 86504



Prepared by:

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4221 Balloon Park Rd NE
Albuquerque, NM 87109



Project Number: 2251700004

October 9, 2023

Agenda for Pre-Bid Conference

PROJECT: **Drilling and Installation of the Secatero Well in the Alamo Chapter, New Mexico
Bid Number 23-07-3070LE**

OWNER: Navajo Nation Department of Water Resources - Water Management Branch
PO Box 678
Fort Defiance, Arizona 86504

ENGINEER: WSP USA Environment & Infrastructure Inc
4221 Balloon Park Rd NE
Albuquerque, New Mexico 87109
Office: (505) 821-1801

LOCATION: Microsoft Teams Meeting

DATE/TIME: Wednesday, October 4, 2023, at 10:00 AM

PURPOSE: Pre-Bid Conference for Referenced Project

INTRODUCTIONS:

Owner's Representative: Jesse Hillis
Programs and Projects Specialist
Email: jrhillis@navajo-nsn.gov

NN Business Regulatory Department Representative: Alvin H. Wauneka,
Senior EDS
Email: ahwauneka@navajo-nsn.gov

ANSBI Representative:
(Alamo Navajo School Board, Inc) Chris Paez,
Phone: (575) 854-2543
Email: jpaez@ansbi.org

Engineer's Representative: Ann Swanberg-Mee, PE
Project Manager
Email: ann.swanbergmee@wsp.com

Mary E. Kairouz, PG
Senior Geologist
Email: mary.kairouz@wsp.com

Mike Scrudato, EI
Phone: (505) 203-034
Email: mike.scrudato@wsp.com

Sign-in-Sheet

Pre-Bid Meeting, October 4, 2023			
Name	Organization	Email	Phone
Mike Scrudato	WSP	mike.scrudato@wsp.com	505-203-0934
Sugam Tandukar	WSP	ann.swanbergmee@wsp.com	
Ann Swanberg-Mee	WSP	sugam.tandukar@wsp.com	
Mary Kairouz	WSP	mary.kairouz@wsp.com	
Chris Paez	Alamo Navajo School Board, Inc	Jpaez@ansbi.org	
Jesse Hillis	Navajo Nation Water Management Branch	Jrhillis@navajo-nsn.gov	
Lucinda Davis	Navajo Nation Water Management Branch	lgdavis@navajo-nsn.gov	
Ryan Holgate	Navajo Nation Business Regulatory Department	ryanjholgate@navajo-nsn.gov	
Michael Armijo	Navajo Nation Office of Labor Relations	michaelarmijo@navajo-nsn.gov	928-871-6800
Richard Martinez	Hydro Resources	rmartinez@hydroresources.com	
Thomas Taylor	Hydro Resources		
John Taylor	Hydro Resources	jtaylor@hydroresources.com	
Bill Whaley	HGS	billwhaley@qwestoffice.net	
Clayton Thayer	KP Ventures	claytont@kpvent.com	505-240-0833
Jeff Watson	Rodgers	jeff@rodgersandco.com	
Joel Stewart	Stewart Brothers	joel@stewartbrothers.com	505-240-0681
Jessica Velasco	Stewart Brothers	jessica@stewartbrothers.com	

THE FOLLOWING ITEMS SHALL BE COVERED:

INTRODUCTION TO THE PROJECT

Project Location:

Alamo is an isolated portion of the Navajo Nation Reservation in Socorro County, approximately 30 miles north of Magdalena, New Mexico on NM Hwy 169.

Scope:

The Project consists of:

- Installation of a 12-14” diameter, 20-foot-long surface casing
- Drill 10-inch boring to a depth of first encountered groundwater and test for approximate flow rate.
 - Air rotary casing hammer method
 - Anticipated total well depth may range from 350 to 700 feet
 - Production rates are expected to range from 10 to 20 gpm
- Conducting geophysical logging
- Constructing a 5.56-inch (OD) diameter well as specified
- Emplace sand pack (disinfect during installation) and other annular materials.
- Install the upper sanitary grout seal as specified.
- Develop the well.
- Performing pump tests
- Procurement and setting the well pump (Bid Alternative 2)
- Installation of pit less adapter unit and wellhead (Bid Alternative 2)
- Complete wellhead as specified

INVITATION TO BID

- Sealed Bids will be accepted until October 26, 2023, at 1:00 pm at the Engineer’s Office at which time they will be opened and read, through Microsoft Teams meeting link provided below.

Microsoft Teams meeting

Join on your computer, mobile app or room device

[Click here to join the meeting](#)

Meeting ID: 322 504 366 672

Passcode: p8rT8Z

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Or call in (audio only)

[+1 213-267-3760,,665185420#](#) United States, Los Angeles

Phone Conference ID: 665 185 420#

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INSTRUCTIONS TO BIDDERS

- **Preparation and Submission of Bids:**
 - Bid shall be enclosed in a separate package plainly marked on the outside with the notation “**BID ENCLOSED FOR Drilling and Installation of the Secatero Well in the Alamo Chapter, New Mexico, Navajo Nation Bid Number 23-07-3070LE.**”
 - A mailed bid shall be addressed to the **Navajo Nation Department of Water Resources-Water Management Branch** and received at the office of the Engineer, **4221 Balloon Park Rd NE, Albuquerque NM 87109.**
 - The following documents are submitted with and made a condition of this Bid:
 - a) Required Bid Security
 - b) List of Proposed Subcontractors
 - c) List of Proposed Suppliers
 - d) List of Project References
 - e) Evidence of authority to do business in the state of the Project, or a written covenant to obtain such license within the time for acceptance of Bids
 - f) Contractor’s License No.: _____
 - g) Required Bidder Qualification Statement with Supporting Data
 - h) Documentation of Navajo or Indian Preference (optional)
 - **Receipt of Bids:** The Engineer’s office must have bids in hand by specified date and time or they will be marked LATE and SHALL NOT be considered.
 - **Time for Completion:** Work shall be substantially completed within 120 calendar days after a Notice to Proceed. Failure to complete work within the stated number of calendar days will result in liquidated damages of \$400 per day.
 - For additional instructions follow EJCDC C-200 of the Bidding Documents.

PRE-BID QUESTIONS

- All questions must be submitted in writing.
- Questions must be received by no later than 5:00 pm on ~~October 10, 2023~~ October 13, 2023. NO EXCEPTIONS. Questions shall be emailed to mike.scrudato@wsp.com
- All answers to submitted Pre-Bid questions will be issued as an addendum to the Bid Documents. The resulting addendum will be distributed to those on the

distribution list for this solicitation by October 20, 2023. Copies of all questions and their answers will be distributed to those on the distribution list for this solicitation. It is the bidders' responsibility to verify if any addenda have been issued before submitting bids.

- No verbal answers will be valid.

OTHER

- Site visit will be held on October 10, 2023 at 1:30 PM
 - Well Site: 34°20'59.35" N, 107°26'32.36" W
- No retainage will be held on progress payments (General Conditions 7.02.A.1.a) as state funds are utilized for project
- Owner will be given ~~40~~ 60 days to execute Agreement after it is executed by Contractor
 - Listed correctly on Notice of Award, but conflicts with Instructions to Bidders 21.01. Error is corrected below.
- ONLR Prevailing Wage Rates apply
- Construction Water
 - Construction water is available through the community water system. A maximum of 5,000 gallons per day can be obtained from the community system. The nearest fire hydrant is in Cherrytown approximately 7 miles from the job site. The contractor must coordinate with Alamo Navajo School Board's. (ANSBI) Water Utility Department and connect to the fire hydrant using a Hydrant Meter w/Backflow Assembly. ANSBI will charge \$.07 per gallon of water.

CONTRACTOR QUESTIONS & ANSWERS

1. Where is the disposal area for cuttings?
 - a. Cuttings may be disposed of onsite. They should be evenly spread along the ground.
2. Can air rotary be used instead air rotary casing hammer?
 - a. Yes. Air rotary drilling method shall be used instead of air rotary casing hammer.
 - b. TP 2.0 is revised as shown in the section below.
3. There is a discrepancy in well casing diameter between technical provisions and project scope.
 - a. Well casing shall be 5.56-inch OD SDR 17 per TP 6.2
4. Are inclinometer surveys required every 100'?
 - a. Yes. Inclinometer surveys are required every 100' per TP 5.0
5. Will the Owner maintain site access?

-
- a. Yes.
 6. What type of geophysical logging is required?
 - a. Geophysical logging requirements are limited to plumbness and alignment testing per TP 7.11
 7. What is the expected timeframe for project completion?
 - a. Estimated project completion date is Spring 2024
 8. How large does the test pump need to be?
 - a. Test pump shall be capable of pumping at a rate of up to 20 gallons per minute, with a static head (not including pipe friction losses) of approximately 700 feet. The anticipated setting of the test pump inlet is 350-700 feet.
 - b. TP 9.1.A is revised as shown in the section below.
 9. The specified filter pack sand size is uncommon. Will a different size be considered?
 - a. The filter pack shall be 8/12 or 8/16 mesh sand and consist of clean, well-rounded grains that are smooth and uniform.
 - b. TP 6.3.A is revised as shown in the section below
 10. Where can water be discharged for test pumping?
 - a. Question will be answered in Addendum 2 following the site visit.
 11. Is 24-hr drilling allowed?
 - a. No. 24-hr drilling is not permitted as the construction site is in a residential area.
 - b. TP 7.2 and TP 7.5A are revised as shown in the section below.
 12. Are sound control walls required?
 - a. No.
 13. Is seeding and planting required to restore the site to its original condition (TP 14.0)?
 - a. No.
 14. Are well logs available for nearby wells?
 - a. Drought Well #2 log is included in Attachment 1.

CONTRACT MODIFICATIONS

Instructions to Bidders 21.01

Replace the last sentence in paragraph 21.01 with the following:

Within sixty days thereafter, Owner shall deliver one fully executed counterpart of the Agreement to Successful Bidder, together with printed and electronic copies of the Contract Documents as stated in Paragraph 2.02 of the Standard General Conditions.

Technical Provision 2.0

Replace the second sentence in the first paragraph with the following:

The well will be drilled using air rotary method.

Replace task three with the following:

- 3) Construct a 5.56-inch OD well as specified

Technical Provision 6.3

Replace the first sentence with the following:

The filter pack shall be 8/16 mesh sand and consist of clean, well-rounded grains that are smooth and uniform.

Technical Provision 7.2

Replace the last sentence in first paragraph with the following:

All drilling and construction operations shall be conducted between 7 AM and 7 PM, Monday through Friday.

Technical Provision 7.5.A

Replace the last sentence in first paragraph with the following:

All drilling and construction operations shall be conducted between 7 AM and 7 PM, Monday through Friday.

Technical Provision 9.1.A

Replace paragraph a with the following paragraph:

- a. Test pump shall be capable of pumping at a rate of up to 20 gallons per minute, with a static head (not including pipe friction losses) of approximately 700 feet. The anticipated setting of the test pump inlet is 350-700 feet.

ATTACHMENTS

1. Drought Well Log

Drought Well is located ~5 miles NW of the project site.

ANDW1 Rig Lithology								
Beginning Depth (feet)	Ending Depth (feet)	Thickness (ft)	Lithology	Formation	Cones	5-Class lith.	Color (Munsell)	Color Code (Munsell)
0	8	8	Sandy (vf-m) silt w/ trace gravel	Qal	n/a	4		
8	16	8	Silty sand (vf-m) to sandyn(vf-m) silt	Qal	n/a	5		
16	25	9	Siltstone; perched water @ 18'	Kcc	n/a	5		
25	42	17	Siltstone to sandstone (vf-m); mudstone horizon @ 26'	Kcc	n/a	4		
42	48	6	Sandstone (f-vc); minor mudstone horizon @ 46'	Kcc	n/a	3		
48	53	5	Mudstone	Kcc	n/a	5		
53	56	3	Sandstone (vf-m) to siltstone	Kcc	n/a	4		
56	70	14	Mudstone; siltstone horizon @ 65'	Kcc	n/a	5		
70	73	3	Sandstone (vf-m) to siltstone	Kcc	n/a	4		
73	85	12	Claystone; siltstone horizon 78'-80'	Kcc	n/a	5		
85	94	9	Siltstone to sandstone (vf-m)	Kcc	n/a	4		
94	99	5	Siltstone with claystone lenses	Kcc	n/a	5		
99	105	6	Sandstone (vf-m)	Kcc	n/a	3		
105	133	28	Mudstone	Kcc	n/a	5		
133	136	3	Sandstone (vf-m)	Kcc	n/a	3		
136	140	4	Mudstone	Kcc	n/a	5		
140	143	3	Sandstone (vf-m)	Kcc	n/a	3		
143	149	6	Mudstone	Kcc	n/a	5		
149	153	4	Sandstone (vf-m)	Kcc	n/a	3		
153	169	16	Siltstone to sandstone (vf-m)	Kcc	n/a	4		
169	179	10	Mudstone; organic rich	Kcc	n/a	5		
179	191	12	Siltstone to sandstone (vf-m)	Kcc	n/a	4		
191	198	7	Siltstone	Kcc	n/a	5		
198	208	10	Sandstone (f-c)	Kcc	n/a	2		
208	219	11	Mudstone; organic rich (carbonaceous)	Kcc	n/a	5		
219	225	6	Mudstone to claystone	Kcc	n/a	5		
225	235	10	Mudstone; organic rich (carbonaceous)	Kcc	n/a	5		
235	239	4	Sandstone (vf-m) to siltstone	Kcc	n/a	4		
239	265	26	Siltstone to mudstone	Kcc	n/a	5		
265	299	34	Mudstone; organic rich (carbonaceous), with minor sandstone (vf-m) to siltstone intervals	Kcc	n/a	5		
299	317	18	Sandstone (vf-c); w/ minor organic rich (carbonaceous) mudstone intervals	Kcc	n/a	2		
317	322	5	Mudstone; organic rich	Kcc	n/a	5		
322	339	17	Sandstone (vf-c); w/ minor organic (carbonaceous) rich mudstone intervals	Kcc	n/a	2		
339	355	16	Sandstone (vf-c); w/ trace organic rich (carbonaceous) mudstone intervals	Kcc	n/a	2		
355	455	100	Sandstone (vf-m) w/ minor mudstone interbeds	Kcc	n/a	3		
455	474	19	Sandstone (vf-m) w/ minor mudstone interbeds	Kcc	n/a	3		
474	530	56	Sandstone (vf-m) fining to siltstone	Kcc	n/a	4		

530	580	50	Siltstone	Kcc	n/a	5		
580	599	19	Siltstone; minor organics (carbonaceous)	Kcc	n/a	5		
599	610	11	Siltstone to mudstone w/ minor sand (vf-m) interbeds; fining downwards	Kcc	n/a	5		
610	639	29	Mudstone	Kcc	n/a	5		
639	650	11	Mudstone w/ minor sandstone (vf-m) interbeds	Kcc	n/a	5		
650	659	9	Mudstone w/ sandstone (vf-m) interbeds	Kcc	n/a	5		
659	690	31	Sandstone (vf-m) w/ minor mudstone interbeds; decreasing mudstone 660'-670'	Kg	n/a	3		
690	705	15	Siltstone	Kmd	n/a	5		
705	719	14	Sandstone (vf-m) interbedded with siltstone/mudstone; <i>siltstone and mudstone likely from above units</i>	Kg	n/a	3		
719	735	16	Mudstone to siltstone w/ sandstone (vf-f) interbeds	Kmd	mo d.	4		
735	740	5	Mudstone; slightly carbonaceous	Kmd	mo d.	5		
740	774	34	Mudstone	Kmd	mo d.	5		
774	783	9	Sandstone (vf-f) to siltstone interbedded with mudstone	Kth	mo d.	4		
783	805	22	Sandstone (vf-m) w/ minor mudstone interbeds	Kth	mo d.	3		
805	818	13	Siltstone to mudstone, fining 805'-812'	Kth	hv y.	5		
818	848	30	Sandstone (vf-m) w/ minor mudstone interbeds; fining 840'-848'	Kth	hv y.	3		
848	853	5	Sandstone (vf-f) to siltstone with minor mudstone interbeds	Kth	hv y.	4		
853	875	22	Sandstone (vf-m) w/ trace mudstone interbeds	Kth	v. hv y.	3		
875	877	2	Sandstone (vf-m) w/ minor mudstone interbeds	Kth	v. hv y.	3		
877	900	23	Sandstone (vf-m) w/ trace mudstone interbeds	Kth	v. hv y.	3		
900	938	38	Sandstone (vf-m) w/ minor mudstone interbeds	Kth	v. hv y.	3		
938	952	14	Sandstone (vf-m) to siltstone; fining downwards	Kth	v. hv y.	4		
952	962	10	Mudstone	Kmr	v. hv y.	5		
962	973	11	Siltstone	Kmr	v. hv y.	5		
973	1072	99	Mudstone; calcite fragments @ 1028' & 1040'	Kmr	v. hv y.	5		
1072	1097	25	Claystone; gradational contact with overlying unit	Kmr	mo d.	5		
1097	1120	23	Mudstone to claystone; sticky	Kmr	hv y.	5		
1120	1182	62	Mudstone to claystone; w/ minor calcite fragments	Kmr	mo d.	5		
1185	1198	13	Sandstone (vf-m) w/ minor mudstone interbeds; calcite fragments throughout	Kdt	hv y.	3		
1198	1240	42	Siltstone to mudstone w/ minor sandstone (vf-f) interbeds; calcite fragments	Kml	hv y.	5		
1240	1300	60	Mudstone to claystone; calcite fragments	Kml	mo d.	5		
1300	1340	40	Mudstone; calcite fragments	Kml	mo d.	5		
1340	1360	20	Siltstone to mudstone w/ minor sandstone (vf-f) interbeds; calcite fragments	Kml	hv y.	5		
1360	1400	40	Mudstone to claystone; calcite fragments	Kml	mo d.	5		
TD								

ADVERTISEMENT FOR BIDS

**The Navajo Nation, through its Department of Water Resources – Water Management Branch
Fort Defiance, Arizona
Drilling and Installation of the Secatero Well in the Alamo Chapter, New Mexico
Bid Number 23-07-3070LE**

Sealed bids for the construction of **Drilling and Installation of the Alamo Secatero Well in the Alamo Chapter, New Mexico, Navajo Nation Bid Number** will be received, by **The Navajo Nation, through its Department of Water Resources – Water Management Branch**, at the office of the **Engineer, WSP USA Environment & Infrastructure Inc., 4221 Balloon Park Rd NE, Albuquerque, NM 87109**, until **1 pm** local time on **October 26, 2023** at which time the Bids received will be **publicly** opened and read. No late, facsimiled, or electronic mailed bids will be accepted. Each bid response shall be submitted in accordance with EJCDC C-200 Instructions to Bidders.

The Project consists of: Installation of a 12-14” diameter, 20-foot-long surface casing; Drilling of a 10” borehole up to 700 feet below ground surface (bgs); Conducting geophysical logging; Constructing a 6-inch (OD) diameter well as specified; Performing pump tests; Procurement and setting the well pump; Installation of pit less adapter unit and wellhead.

Bids will be received for a single prime Contract. Bids shall be on a lump sum and unit price basis, as indicated in the Bid Form.

The Issuing Office for the Bidding Documents is **Academy Reprographics, 8900-N San Mateo Blvd. NE, Albuquerque NM 87113, (505) 821-6666**. Prospective Bidders may examine the Bidding Documents at the Issuing Office on Mondays through Fridays between the hours of **8 am to 5 pm** and may obtain copies of the Bidding Documents from the Issuing Office as described below.

Bidding Documents may be viewed and ordered online by registering with the Issuing Office at www.academyplans.com. Following registration, complete sets of Bidding Documents may be downloaded from the Issuing Office’s website as portable document format (PDF) files. The cost of printed Bidding Documents from the Issuing Office will depend on the number and size of the Drawings and Project Manual, applicable taxes, and shipping method selected by the prospective Bidder. Cost of Bidding Documents and shipping is non-refundable. Upon Issuing Office’s receipt of payment, printed Bidding Documents will be sent via the prospective Bidder’s delivery method of choice; the shipping charge will depend on the shipping method chosen. The date that the Bidding Documents are transmitted by the Issuing Office will be considered the Bidder’s date of receipt of the Bidding Documents. Partial sets of the Bidding Documents will not be available from the Issuing Office.

Preference will be applied to qualified Navajo- and Indian-owned businesses in accordance with the Navajo Nation preference laws as specified in the Navajo Nation Business Opportunity Act (5 NNC § 201 et. seq.), the Navajo Nation Procurement Act, (12 NNC § 301 et seq.), and the Navajo Business and Procurement Act (12 NNC § 1501 et seq.) and other applicable statutory and regulatory requirements.

A pre-bid conference will be held at **10 am** local time on **October 4, 2023**, virtually through Microsoft Teams, and site visits can be scheduled upon requests. Interested bidders should sign up with the issuing office and a Microsoft Teams meeting invite will be sent out to the registered emails. Attendance at the pre-bid conference is highly encouraged but is not mandatory. Bid security shall be furnished in accordance with the Instructions to Bidders.

Owner: **The Navajo Nation, through its Department of Water Resources– Water Management Branch**
By: **Jesse Hillis**
Title: **Programs and Projects Specialist**
Date: **September 17, 2023**

+ + END OF ADVERTISEMENT FOR BIDS + +