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*County Manager*

September 12, 2022

**SANTA FE COUNTY**  
**IFB 2022-0234-GM/APS**  
**GREATER GLORIETA REGIONAL WELL**

**ADDENDUM NO. 3**

Dear Proponents,

This addendum is issued to reflect the following immediately. It shall be the responsibility of interested Bidders to adhere to any changes or revisions to the IFB as identified in this Addendum No. 3. This documentation shall become permanent and made part of the departmental files.

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***Attachment A: Revised Bid Sheet***

***Attachment B: Revised Measurement and Payment for Spec Book***

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**Clarification No. 1: Items 22 and 47 are correct based on a request from drilling contractors with the intent we would have an hourly rate in the unlikely event these line items will be required as part of a change request.**

Please add this Addendum No. 3 to the original proposal documents and refer to proposal documents, hereto as such. This and all subsequent addenda will become part of any resulting contract documents and have effects as if original issued. All other unaffected sections will have their original interpretation and remain in full force and effect. Responders are reminded that any questions or need for clarification must be addressed to Amanda Patterson-Sanchez, Procurement Specialist Senior at [apatterson-sanchez@santafecountynm.gov](mailto:apatterson-sanchez@santafecountynm.gov).

**Attachment A**  
**Revised Bid Sheet 09/12/2022**

<b>Bid Item No.</b>	<b>Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Bid Price</b>
	<b>(Complete in Place)</b>				
<b>Base Bid Items</b>					
Distribution System Construction					
1	Construction Mobilization	LS	1	\$	\$
2	Construction Traffic Control and Barricading	LS	1	\$	\$
3	Site Clearing and Grubbing, Incl. Tree removal	LS	1	\$	\$
4	8" Waterline , incl. trench & compacted backfill , including fittings & joint restraint	LF	160	\$	\$
5	6" Waterline , incl. trench & compacted backfill, including fittings & joint restraint	LF	3628	\$	\$
6	2" Waterline , incl. trench & compacted backfill, including valves and fittings & joint restraint	LF	320	\$	\$
7	3/4" Water service relocation, relocate existing meter and connect to new water main per Santa Fe County standard specifications	EA	22	\$	\$
8	Fire Hydrant assembly, CIP including valve, valve box, concrete surface completion, drain, bollards, fittings, blocking, testing	EA	8	\$	\$
9	Combination Single Vault (dual purpose), Vault incl. Isolation Valve and Drain with ARV, incl. excavation, backfill, reinforced concrete, all piping, and appurtenances	EA	3	\$	\$
10	Asphalt Pavement patching including subgrade and aggregate base course per plans and specifications	SY	1200	\$	\$
11	6" Gate Valve. CIP	EA	13	\$	\$
12	Construction Demobilization	LS	1	\$	\$
Well Drilling, Construction and Testing					
13	<b>Phase 1</b> Mobilization/demobilization	LS	1	\$	\$
14	SWPPP preparation and implementation	LS	1	\$	\$
15	Site Preparation, restoration and cleanup	LS	1	\$	\$
16	Temporary surface casing (20 ft min. depth), install and remove	LF	20	\$	\$
17	Drill 7-7/8" borehole diameter (minimum)	LF	1200	\$	\$
18	Geophysical logging	LS	1	\$	\$
19	Install test well (perforated section on drill stem with pea gravel and bentonite seal)	LS	1	\$	\$
20	Develop test well by airlifting	HR	16	\$	\$
21	Water quality sampling by bailer and analyses (fast turn-around time)	LS	2	\$	\$
22	Plug and abandon exploratory boring	FT	0	\$	\$
23	<b>Phase 2</b> Drilling Mobilization/demobilization	LS	2	\$	\$

24	Set up mud pits, remove mud, thin-spread cuttings	LS	1	\$	\$
25	Ream borehole to 24" (minimum) from ground surface to 50' bgs	FT	50	\$	\$
26	Install 20" surface casing, cement in place	FT	53	\$	\$
27	Drill 17-3/4" borehole (minimum)	FT	1150	\$	\$
28	Run caliper log and alignment survey	LS	1	\$	\$
29	Install 10" diameter HSLA steel blank casing, wall thickness 0.3125", with centralizers every 120 feet	LF	1040	\$	\$
30	Install 10" diameter HSLA steel louvered screen (0.045" apertures) with centralizers every 80 feet	LF	160	\$	\$
31	Silica sand filter pack, 8-12 gradation	LF	200	\$	\$
32	Silica sand filter pack, 20-40 gradation, in place	LF	20	\$	\$
33	Bentonite Seal, in place	LF	20	\$	\$
34	Cement-bentonite grout, in place	LF	960	\$	\$
35	Temporary discharge conveyance	LS	1	\$	\$
36	Well development by flushing and swabbing	HR	16	\$	\$
37	Well development by airlift pumping	HR	80	\$	\$
38	Mud dispersant addition and well disinfection	LS	1	\$	\$
39	Furnish, install, and remove test pumping equipment (40-100 gpm at 1,000 ft)	LS	1	\$	\$
40	Development pumping	HR	24	\$	\$
41	Step rate pumping test	HR	18	\$	\$
42	Constant rate pumping test (96 hours pumping; 10 days of recovery per Santa Fe County Land Development Code)	HR	96	\$	\$
43	Video and alignment surveys	LS	1	\$	\$
44	Pitless adaptor (Baker style for 10 inch)	LS	1	\$	\$
45	Concrete pad (4 ft x 4 ft x 4 inches)	LS	1	\$	\$
46	Submersible pump (expected Grundfos 150S150), installed with drop pipe, cable, knock out valve, PVC sounding tube, electrical and controls	LS	1	\$	\$
47	Rig Rate	HR	0	\$	\$
48	Abandon Existing Wells: UP-1288 and 1643	LF	1305	\$	\$
Allowances					
AL-1.0	Materials Testing Allowance	LS	1	\$10,000	\$10,000
AL-2.0	Utility Relocation	LS	1	\$50,000	\$50,000
AL-3.0	Electrical Allowance	LS	1	\$30,000	\$30,000
Total of All Bid Prices plus Allowance				\$	\$
Total Base Bid Plus NMGR				\$	\$

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**SECTION 01150**  
**MEASUREMENT AND PAYMENT**

**PART 1 - GENERAL**

**1.1 SUMMARY**

- A. Section Includes:
  - 1. Defines how work items are measured and paid for on Unit Price Contracts. These items include unit price, lump sum price, and allowance payment items.
  - 2. The Contractor shall receive payment for work after it is installed. Payment for material on hand can only be paid for if allowed by the Agreement, the General and/or Special Conditions.
  - 3. Partial payment may be requested for items partially installed when agreed to by the Owner.
- B. Related Specification Sections include but are not necessarily limited to:
  - 1. Division 00 - Procurement and Contracting Requirements.
  - 2. Division 01 - General Requirements.

**1.2 LUMP SUM ITEMS**

- A. General:
  - 1. Progress payments for Lump Sum items in the Bid Schedule will be based on the breakdown prepared by the Contractor and approved by the Engineer and Owner before acceptance of the Application for Payment for the Lump Sum item.
  - 2. Lump Sum payment will be for the entire item as specified and as indicated in the Contract Documents. Payment for all bid items indicated as Lump Sums shall include the cost of all labor, materials, equipment and incidentals necessary to furnish, install, clean, test, and place each bid item into operation; including permitting, general conditions, overhead and profit.

**1.3 UNIT PRICE ITEMS:**

- A. General
  - 1. Quantity and measurement estimates stated in the Bid Form are estimates for bidding purposes only. Actual payments shall be based on actual quantities installed, in-place, as measured and/or verified by the Engineer.
  - 2. Unless otherwise stated in the Contract Documents, the bid unit prices shall be in effect throughout the contract duration.
  - 3. Except as defined above, the Contractor shall make no claim, nor receive any compensation, for anticipated profits, loss of profit, damages, or any extra payment due to any difference between the amounts of work actually completed, or materials or equipment furnished, and the estimated quantities.
  - 4. The Owner can only pay for quantities that exceed the estimated quantities so long as the total payments to the Contractor do not exceed the Contract Price. If the added quantities will result in payments that exceed the Contract Price, a Change Order will need to be executed before payment can be made for the added quantities.
  - 5. Contractor shall assist Engineer by providing necessary equipment, workers, and survey personnel as required to measure quantities.
  - 6. Unless stated in the Contract Documents, measured quantities shall be rounded to the nearest whole integer.

1 B. Measurement:

- 2 1. Measurement for progress payment shall be made by, or approved by, the Engineer based on the  
3 actual quantities installed. The actual quantities installed can be adjusted for corrections to  
4 previous calculations, incomplete elements or components if agreed to in advance and in writing  
5 by the Engineer.  
6 2. Unless otherwise provided for in the Contract Documents, unit price items are all inclusive of all  
7 related work, direct and indirect costs, to provide a complete and functional item.  
8 3. The final measurement shall be based on actual installed quantities, jointly measured and agreed  
9 to by the Contractor and the Engineer. Quantities can be adjusted (increased or decreased) based  
10 on a final calculation of quantities by the Engineer and Contractor.

11 C. Payment:

- 12 1. Progress payments shall be in accordance with the Contract Documents based on estimated  
13 quantities installed paid at the bid unit price.  
14 2. The final payment shall be based on actual quantities, fully installed, tested and placed into  
15 service, paid at the bid unit price.

16 **1.4 ALLOWANCES**

17 A. General

- 18 1. Allowances indicated in the Bid Schedule are defined in the Contract Documents. No work may  
19 be performed under an allowance item without prior written approval of the Owner.  
20 2. Allowance is for exclusive use of Owner for changes as a result of changed conditions, design  
21 refinements, and unanticipated design issues. Not for use by Contractor as Contractor's  
22 construction contingency.  
23 3. Any unused balance of the allowances shall revert to the Owner upon completion of the project.  
24 Prior to final payment, the original amount provided for allowances shall be adjusted to actual  
25 costs by deductive Change Order, adjusting the contract price, accordingly.  
26 4. The Contractor shall make no claim, nor receive any compensation, for anticipated profits, loss of  
27 profit, damages, or any extra payment due to any unexpended portion of the allowances.  
28 5. The Contractor is to include time for allowance work in the construction schedule. No  
29 adjustment of Contract Time shall be allowed for any work performed under allowance items.  
30 6. The measurable and allowable costs for work performed under an allowance item(s) shall be  
31 limited to the actual costs associated with that allowance item unless otherwise stated in the  
32 specific measurement and payment provisions under allowance items.  
33 7. Allowance work shall be paid for on a time and materials basis.  
34 a. Time and materials sheets shall be signed daily by the Engineer or its representative to  
35 confirm labor hours worked, equipment hours worked, and materials incorporated into the  
36 Work.  
37 b. Labor hours worked shall be recorded daily for each person. The labor will be classified by  
38 craft. Actual labor rates will be supported by certified payroll or other payroll documentation  
39 agreed to by the Engineer.  
40 c. Equipment hours worked shall be recorded daily for each piece of equipment used to perform  
41 the work. Equipment rates shall be as defined in the  
42 d. Material shall be identified with the costs supported by invoice.  
43 e. Profit and overhead shall be compensated for in accordance with the Contractor's Fee as  
44 defined in the General Conditions.  
45 f. Labor and equipment rates used in pricing out the work shall be as defined in the General  
46 Conditions.  
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1 **1.5 BID ITEMS:**

2 1. MOBILIZATION

3 a. Measurement:

4 1) Measurement for payment of Mobilization will be **Lump Sum**.

5 b. Payment:

6 1) Payment will be made at the stipulated Lump Sum price indicated in the Bid Proposal.  
7 Price Bid shall include but not be limited to the following: bonds; insurance;  
8 mobilization of forces; preconstruction conference; setting up trailers, staging areas; and  
9 all other materials, equipment and labor incidental thereto.

10 2. TRAFFIC CONTROL

11 a. Measurement:

12 1) Measurement for payment of Demolition will be **Lump Sum**.

13 b. Payment:

14 1) Payment will be made according to the respective price listed in the Bid Proposal. Price Bid  
15 shall include all equipment and labor incidental thereto for providing construction traffic  
16 control and barricading as required for the project; Record Drawings; cleaning and all  
17 other materials, equipment and labor incidental thereto.

18 3. SITE CLEARING AND GRUBBING

19 a. Measurement:

20 1) Measurement for payment of Water Storage Tank Site Work will be **Lump Sum**.

21 b. Payment:

22 1) Payment will be made according to the respective price listed in the Bid Proposal. Price Bid  
23 shall include but not be limited to the following: clearing and grubbing; tree removal and;  
24 Record Drawings; cleaning and all other materials, equipment and labor incidental  
25 thereto.

26 4. 8" WATERLINE

27 a. Measurement:

28 1) Measurement for payment of 8" Waterline will be **Unit Price** by the linear foot of pipe  
29 installed and tested and shall be measured along the pipe through fittings, valves, and  
30 couplings.

31 b. Payment:

32 1) Payment for 8" Waterline will be made at the stipulated price indicated in the Bid  
33 Proposal for each Lineal Foot of Waterline installed. Price Bid shall include but not be  
34 limited to the following: staking; clearing and grubbing; potholing; excavation; haul and  
35 dispose of unsuitable material including existing waterline and appurtenances as  
36 necessary; pipe bedding; import backfill material; dewatering; backfill; compaction;  
37 connections; pipe and fittings; joint restraints; surface restoration; warranties, Record  
38 Drawings; cleaning; disinfection; tracer wire; pressure testing; and all other materials,  
39 equipment and labor incidental thereto.

40 5. 6" WATERLINE

41 a. Measurement:

42 1) Measurement for payment of 6" Waterline will be **Unit Price** by the linear foot of pipe  
43 installed and tested and shall be measured along the pipe through fittings, valves, and  
44 couplings.

45 b. Payment:

1) Payment for 6" Waterline will be made at the stipulated price indicated in the Bid Proposal for each Lineal Foot of Waterline installed. Price Bid shall include but not be limited to the following: staking; clearing and grubbing; potholing; excavation; haul and dispose of unsuitable material including existing waterline and appurtenances as necessary; pipe bedding; import backfill material; dewatering; backfill; compaction; connections; pipe and fittings; joint restraints; surface restoration; warranties, Record Drawings; cleaning; disinfection; tracer wire; pressure testing; and all other materials, equipment and labor incidental thereto.

6. 2" WATERLINE

a. Measurement:

1) Measurement for payment of 2" Waterline will be **Unit Price** by the linear foot of pipe installed and tested and shall be measured along the pipe through fittings, valves, and couplings.

b. Payment:

1) Payment for 2" Waterline will be made at the stipulated price indicated in the Bid Proposal for each Lineal Foot of Waterline installed. Price Bid shall include but not be limited to the following: staking; clearing and grubbing; potholing; excavation; haul and dispose of unsuitable material including existing waterline and appurtenances as necessary; pipe bedding; import backfill material; dewatering; backfill; compaction; connections; pipe, valves, and fittings; joint restraints; surface restoration; warranties, Record Drawings; cleaning; disinfection; tracer wire; pressure testing; and all other materials, equipment and labor incidental thereto.

7. RELOCATE WATER SERVICE

a. Measurement:

1) Measurement for payment of Relocate Water Service will be **Unit Price** per each relocated water service installed and tested.

b. Payment:

1) Payment to Relocate Water Service within homeowner's property from the existing water meter location to the new water meter location will be made at the stipulated price indicated in the Bid Proposal for each Relocated Water Service installed. Price Bid shall include but not be limited to the following: staking; clearing and grubbing; potholing; excavation; haul and dispose of unsuitable material; all required water meter infrastructure including service line, meter setter, valves, meter box, water meter and in-line isolation valve ; bedding; import backfill material; dewatering; backfill; compaction; connections; surface restoration; warranties, Record Drawings; and all other materials, equipment and labor incidental thereto.

2) labor incidental thereto.

8. FIRE HYDRANT

a. Measurement:

1) Measurement for payment of Fire Hydrant will be **Unit Price** per each fire hydrant installed and tested.

b. Payment:

1) Payment for Fire Hydrant will be made at the stipulated price indicated in the Bid Proposal for each Fire Hydrant installed. Price Bid shall include but not be limited to the following: staking; clearing and grubbing; potholing; excavation; haul and dispose of unsuitable material; fire hydrant including tee fitting, pipe, joint restraints, gate valve, valve box and concrete collar; bedding; import backfill material; dewatering; backfill; compaction; connections; traffic control; surface restoration; warranties, Record Drawings; and all other materials, equipment and labor incidental thereto.

9. AIR RELEASE/VAC VALVE

a. Measurement:

1) Measurement for payment of Air Release/Vac Valve will be **Unit Price** per each relocated water service installed and tested.

b. Payment:

1) Payment will be made according to the respective price listed in the Bid Proposal. Payment shall be made on a per each basis for work accomplished as shown on the standard drawing and shall include, but not be limited to, the following: furnishing and installing combination air relief valve with all necessary fittings and appurtenances; valve vault; concrete blocking and/or joint restraint; preparing and installing cover and lid on finished ground including trenching, backfilling, and compaction, dewatering, furnishing and installing reinforcing steel; and all other labor, material, and equipment incidental thereto.

10. ASPHALT PAVEMENT PATCHING

a. Measurement:

1) Measurement for payment of Asphalt Pavement Patching will be **Unit Price** per each gate valve installed and tested.

b. Payment:

1) Payment for Asphalt Pavement Patching will be made at the stipulated price indicated in the Bid Proposal for asphalt pavement installed. Price Bid shall include but not be limited to the following: staking; clearing and grubbing; excavation; haul and dispose of unsuitable material; subgrade and aggregate base course; import backfill material; dewatering; backfill; compaction; adjustment of all surface features including but not limited to meter lids, valve lids, fire hydrants to asphalt grade; surface restoration; warranties, Record Drawings; and all other materials, equipment and labor incidental thereto

11. 6" GATE VALVE

a. Measurement:

1) Measurement for payment of 6" Gate Valve will be **Unit Price** per each gate valve installed and tested.

b. Payment:

1) Payment for 6" Gate Valve will be made at the stipulated price indicated in the Bid Proposal for each Gate Valve installed. Price Bid shall include but not be limited to the following: staking; clearing and grubbing; potholing; excavation; haul and dispose of unsuitable material; gate valve with valve box; bedding; import backfill material; dewatering; backfill; compaction; connections; traffic control; concrete collar; surface restoration; warranties, Record Drawings; and all other materials, equipment and labor incidental thereto.

12. DEMOBILIZATION

a. Measurement:

1) Measurement for payment of Demobilization will be **Lump Sum**.

b. Payment:

1) Payment will be made for Demobilization at the stipulated Lump Sum price indicated in the Bid Proposal. Payment will be made upon completion of final punch list issued at time of substantial completion for the entire project. Price Bid shall include but not be limited to the following: demobilization, final Record Drawings, cleaning and restoration and all other materials, equipment and labor incidental thereto, final closeout documents and submittal of all project warranties to Owner.

BID ITEMS 13-47 – NEW DRINKING WATER WELL

a. Measurement

1) Measurement for payment of New Drinking Water Well will be based on a combination of Lump Sum and Unit Price as shown in the Bid Form for " New Drinking Water Well".



1 b. Payment

2 1) Payment will be made according to the respective price listed in the Bid Proposal. Price  
3 Bid shall include but not be limited to the following: staking, potholing clearing and  
4 grubbing; grading; erosion control; hauling and disposal of unsuitable material, staging  
5 areas; permits; SWPPP; mobilization and demobilization of forces; drilling of pilot hole;  
6 installation of surface casing; geophysical logging; zone testing; and water quality sampling  
7 and testing; site work; staging areas; permits; reaming of pilot hole; drilling permanent well;  
8 installation of well screen and casing; installation of gravel and sand filter packs; bentonite  
9 seals; cement bentonite grout; well discharge piping including all pipe, valves and fittings;  
10 well development; well disinfection; test pumping; water quality sampling and testing; video  
11 and alignment surveys; submersible pump including electrical and controls panel and  
12 connecting to electrical service; drop pipe and sounding tubes; well vault; connection to  
13 existing water system; all necessary fittings and appurtenances; electrical connection/service;  
14 warranties, Record Drawings; and all other materials, equipment and labor incidental  
15 thereto.

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17 BID ITEMS 48 and 49 – ABANDON EXISTING WELLS UP-1288 AND UP-1643

18 a. Measurement

19 1) Measurement for payment of Abandon Existing Wells UP-1288 and UP-1643 will be the  
20 unit price on a per foot basis in the bid proposal.

21 b. Payment

22 1) Payment for Abandon Existing Wells UP-1288 and UP-1643 will be made at the  
23 stipulated Unit Price indicated in the Bid Proposal. Price Bid shall include abandonment of  
24 the existing well in accordance with NMOSE requirements; cleaning; ; warranties, Record  
25 Drawings; and all other materials, equipment and labor incidental thereto.

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27 AL-1 UTILITY RELOCATION ALLOWANCE

28 c. Payment will be made for Engineer approved invoiced cost to the Contractor plus applicable  
29 taxes. Payment will be made for relocating utility line(s) whose locations conflict with these  
30 drawings and are approved by the Engineer. This item shall include gas, cable TV, telephone,  
31 and electric. All other Contractor's costs for coordination, processing, are considered  
32 incidental to the Contractor's cost for the respective work being installed.

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34 AL-2 TESTING ALLOWANCE

35 Payment will be made for Engineer approved tests at the invoiced cost to the Contractor plus  
36 applicable taxes. Payment shall be limited to testing of soils, concrete and asphalt. No  
37 payment will be made for tests that fail. All other Contractor's costs for coordination,  
38 processing, are considered incidental to the Contractor's cost for the respective work being  
39 installed.

40 AL-3 ELECTRICAL ALLOWANCE

41 Payment will be made for Engineer approved costs at the invoiced cost to the Contractor plus  
42 applicable taxes. Payment shall be limited to providing permanent utility power, electrical  
43 service, instrumentation and controls to the new well including electrical service meter,  
44 inverter, VFD or any other required electrical transformers, switchgear, panels required for  
45 energizing the water supply well. All other Contractor's costs for coordination, processing,  
46 are considered incidental to the Contractor's cost for the respective work being installed.

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52 **END OF SECTION**  
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