

Bid Tabulation

				National Water Services LLC		Layne Water Resources		Engineer's Estimate	
				107 Helton Drive Lawrenceburg Tn 38464		1212 Univeristy Steet Memphis TN 38108		as sent to Rural Development on 03/09/18	
Item	Description	UNIT	QTY	Unit Price	Total	Unit Price	Total	Unit Price	Total
1	Mobilization and Bonding (Max 5% of total bid)	1	LS	\$ 7,500.00	\$ 7,500.00	\$ 35,000.00	\$ 35,000.00	\$ 5,000.00	\$ 5,000.00
WELL # 3 BID ITEMS (2 - 20)									
2	Well # 3 pre-TV inspection with CD submittal	1	LS	\$ 800.00	\$ 800.00	\$ 4,000.00	\$ 4,000.00	\$ 1,000.00	\$ 1,000.00
3	Spill Prevention - Chemical Containment Berm Installation including Portable Pumping Unit at Well Site	1	EA	\$ 600.00	\$ 600.00	\$ 10,000.00	\$ 10,000.00	\$ 1,000.00	\$ 1,000.00
4	Water Well Design - Casing and aquifer sample, with testing and report with recommended cleaning	1	LS	\$ 1,400.00	\$ 1,400.00	\$ 6,000.00	\$ 6,000.00	\$ 2,000.00	\$ 2,000.00
5	Water Well Design - Partial Carbon Steel Casing Liner Sealed with K Packing, complete and in place when directed by Engineer	200	VF	\$ 32.00	\$ 6,400.00	\$ 75.00	\$ 15,000.00	\$ 150.00	\$ 30,000.00
6	Well Restabilization / Revitalization including capacity testing, not including chemicals listed below	1	LS	\$ 44,000.00	\$ 44,000.00	\$ 17,000.00	\$ 17,000.00	\$ 48,000.00	\$ 48,000.00
7	Well Restabilization / Revitalization - Muriatic Acid Well Treatment (Approx. 165 gallons/Well)	165	GAL	\$ 3.22	\$ 531.30	\$ 7.00	\$ 1,155.00	\$ 5.00	\$ 825.00
8	Well Restabilization / Revitalization - Tripolyphosphate Anhydrous Treatment (Approx. 120 lbs, 45 gallons/Well)	45	GAL	\$ 2.60	\$ 117.00	\$ 7.00	\$ 315.00	\$ 5.00	\$ 225.00
9	Well Restabilization / Revitalization - Sodium Hypochlorite Treatment (Approx. 110 gallons/Well)	110	GAL	\$ 3.11	\$ 342.10	\$ 7.00	\$ 770.00	\$ 5.00	\$ 550.00
10	Well Restabilization / Revitalization - Bio Dispersant Agent (Approx. 20 gallons/ Well)	20	GAL	\$ 30.00	\$ 600.00	\$ 354.00	\$ 7,080.00	\$ 5.00	\$ 100.00
11	Well Restabilization / Revitalization - Chlorine Enhancer (Approx. 30 gallons/Well)	30	GAL	\$ 26.00	\$ 780.00	\$ 68.00	\$ 2,040.00	\$ 5.00	\$ 150.00
12	Construction Video - Post-CCTV inspection, with CD submittal	1	EA	\$ 800.00	\$ 800.00	\$ 4,000.00	\$ 4,000.00	\$ 1,000.00	\$ 1,000.00
13	Temporary Well Pumping	1	EA	\$ 1,600.00	\$ 1,600.00	\$ 14,000.00	\$ 14,000.00	\$ 1,000.00	\$ 1,000.00
14	Well Pump - Installation of Well Pump Assembly complete and in place including new pump bowls with conical strainer, shaft, water column, discharge head, inverter duty 100 HP motor, 8 x 6 reducer, VT ARV, and all mechanical, electrical and controls connections, and painting	1	LS	\$ 69,642.00	\$ 69,642.00	\$ 155,000.00	\$ 155,000.00	\$ 60,000.00	\$ 60,000.00
15	Field Instrumentation - Water Level Monitor with local readout	1	EA	\$ 2,750.00	\$ 2,750.00	\$ 7,000.00	\$ 7,000.00	\$ 5,000.00	\$ 5,000.00
16	Furnish and Install a new 6-inch Lever and Weight Check Vavle in Discharge Piping to replace the existing.	1	LS	\$ 980.00	\$ 980.00	\$ 4,900.00	\$ 4,900.00	\$ 15,000.00	\$ 15,000.00
17	Water Well Design - Well Sterilization including Disinfection of Well and Discharge Piping	1	EA	\$ 250.00	\$ 250.00	\$ 2,500.00	\$ 2,500.00	\$ 2,000.00	\$ 2,000.00
18	Motor Starting/Control Devices - 100 HP Reduced Voltage Solid State Starter in NEMA 3R Pump Control Panel, complete and in place including and all electrical, controls and interconnections	1	EA	\$ 48,025.00	\$ 48,025.00	\$ 60,000.00	\$ 60,000.00	\$ 15,000.00	\$ 15,000.00
19	Water Well Design - Testing, Sampling and Permitting including Submittal to TDEC followed by Startup after TDEC approval	1	EA	\$ 450.00	\$ 450.00	\$ 2,500.00	\$ 2,500.00	\$ 1,500.00	\$ 1,500.00
20	Well Site Cleanup and Restoration	1	LS	\$ 800.00	\$ 800.00	\$ 17,500.00	\$ 17,500.00	\$ 2,000.00	\$ 2,000.00
WELLS # 1 & 2 BID ITEMS (21 through 37)									
21	Removal and Inspection of Well Pump - including VHS motor, discharge head, Column Assembly, shaft and screen, with report of findings	2	EA	\$ 4,400.00	\$ 8,800.00	\$ 7,250.00	\$ 14,500.00	\$ 5,500.00	\$ 11,000.00
22	Construction Videia - Pre-CCTV inspection of Well with CD submittal	2	EA	\$ 800.00	\$ 1,600.00	\$ 4,000.00	\$ 8,000.00	\$ 1,000.00	\$ 2,000.00
23	Spill Prevention - Chemical Containment Berm Installation including Temporary Pumping Unit at Well Sites	2	EA	\$ 600.00	\$ 1,200.00	\$ 10,000.00	\$ 20,000.00	\$ 1,000.00	\$ 2,000.00
24	Water Well Development - Casing and aquifer sampling, with testing and report with recommended cleaning	2	EA	\$ 1,400.00	\$ 2,800.00	\$ 6,000.00	\$ 12,000.00	\$ 2,000.00	\$ 4,000.00
25	Temporary Well Pumping	2	EA	\$ 1,600.00	\$ 3,200.00	\$ 7,000.00	\$ 14,000.00	\$ 1,000.00	\$ 2,000.00
26	Well Restabilization / Revitalization including capacity testing, not including chemicals listed below	2	EA	\$ 44,000.00	\$ 88,000.00	\$ 17,000.00	\$ 34,000.00	\$ 48,000.00	\$ 96,000.00
27	Well Restabilization / Revitalization - Muriatic Acid Well Treatment (Approx. 165 gallons/Well)	330	GAL	\$ 3.22	\$ 1,062.60	\$ 7.00	\$ 2,310.00	\$ 5.00	\$ 1,650.00

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28	Well Restabilization / Revitalization - Tripolyphosphate Anhydrous Treatment (Approx. 120 lbs, 45 gallons/Well)	90	GAL	\$ 2.60	\$ 234.00	\$ 7.00	\$ 630.00	\$ 5.00	\$ 450.00
29	Well Restabilization / Revitalization - Sodium Hypochlorite Treatment (Approx. 110 gallons/Well)	220	GAL	\$ 3.11	\$ 684.20	\$ 7.00	\$ 1,540.00	\$ 5.00	\$ 1,100.00
30	Well Restabilization / Revitalization - Bio Dispersant Agent (Approx. 20 gallons/ Well)	40	GAL	\$ 30.00	\$ 1,200.00	\$ 354.00	\$ 14,160.00	\$ 5.00	\$ 200.00
31	Well Restabilization / Revitalization - Chlorine Enhancer (Approx. 30 gallons/Well)	60	GAL	\$ 26.00	\$ 1,560.00	\$ 68.00	\$ 4,080.00	\$ 5.00	\$ 300.00
32	Construction Video - Post-CCTV inspection, with CD submittal	2	EA	\$ 800.00	\$ 1,600.00	\$ 4,000.00	\$ 8,000.00	\$ 1,000.00	\$ 2,000.00
33	Field Instrumentation - Water Level Monitor with local readout for Well Nos. 1 and 2	2	EA	\$ 2,750.00	\$ 5,500.00	\$ 7,000.00	\$ 14,000.00	\$ 5,000.00	\$ 10,000.00
34	Re-installation of Well Pump Assembly complete and in place including pump bowls and conical strainer motor, shaft, water column, discharge head, and all mechanical, electrical and controls connections	2	EA	\$ 5,500.00	\$ 11,000.00	\$ 10,000.00	\$ 20,000.00	\$ 5,000.00	\$ 10,000.00
35	Water Well Design - Well Sterilization including Disinfection of Well and Discharge Piping	2	EA	\$ 250.00	\$ 500.00	\$ 2,500.00	\$ 5,000.00	\$ 1,000.00	\$ 2,000.00
36	Water Well Design - Testing, Sampling and Permitting including Submittal to TDEC followed by Startup after TDEC approval	2	EA	\$ 450.00	\$ 900.00	\$ 2,500.00	\$ 5,000.00	\$ 1,500.00	\$ 3,000.00
37	Well Site Cleanup and Restoration	2	EA	\$ 600.00	\$ 1,200.00	\$ 11,000.00	\$ 22,000.00		\$ -
Total of Base Bid				\$ 319,408.20		\$ 564,980.00		\$ 339,050.00	

Bidder acknowledges that (1) each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and (2) estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents

ADDITIVE ALTERNATES				National Water Services LLC		Layne Water Resources		Engineer's Estimate	
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Item	Description	UNIT	QTY	Unit Price	Total	Unit Price	Total	Unit Price	Total
AA 1	Replace Well Head Discharge Piping, Fittings and Valves with 10" Piping and Fittings, two 10" gate valves, one 10" lever and weight check valve, and one 2" air release valve with shutoff valve and throttling valve, sample port, painting and aluminum jacketed insulation for well # 3 If accepted, AA 1 shall account for Bid Item 16 being omitted from the Base Bid accordingly.	1	LS	\$ 13,041.00	\$ 13,041.00	\$ 22,000.00	\$ 22,000.00	\$ 22,000.00	\$ 286,902,000.00
AA 2	Motor Starting/Control Devices - Replace the existing Pump Control Panel with the Pump Control Panel described on Plan Sheet E-2. Furnish and install 125 HP Variable Frquency Drive in a NEMA 3R Pump Control Panel, complete and in place including all electrical, controls interconnections, and Shelter for VFD Cabinet. If accepted, AA 2 shall account for Bid Item 18 being omitted from the Base Bid accordingly.	1	EA	\$ 49,000.00	\$ 49,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 2,940,000,000.00
AA 3	Furnish and Install 10-inch Stainless Steel Casing Liner welded in place. If accepted, AA 3 shall account for Bid Item 5 being omitted from the Base Bid accordingly.	324	VF	\$ 280.86	\$ 91,000.00	\$ 110.00	\$ 35,640.00	\$ 110.00	\$ 30,894.60

contractor rounded total from 90,998.64 to 91,000. This does not change apparent low bidder

I do hereby certify this to be a true and correct representation of the bids.

Lieve C Schanno
 Lieve C. Schanno, PE
 5/24/18
