

VILLAGE OF GILBERTS

RESOLUTION 34-2020

A RESOLUTION AUTHORIZING APPROVAL OF AN AGREEMENT WITH MUNICIPAL WELL AND PUMP FOR PUMP INSPECTION SERVICES AT WELL 4 IN AN AMOUNT NOT TO EXCEED \$35,000

WHEREAS, the Village of Gilberts (“Village”) operates and maintains a water treatment system, including two deep water wells; and

WHEREAS, the Well 4 motor has exhibited high amperage readings which could lead to problems in the Village’s water treatment system; and

WHEREAS, in order to fully assess and diagnose the cause of the high amperage readings, the motor must be removed and inspected on an expedited basis; and

WHEREAS, the Village solicited a quote (Attachment A) from Municipal Well and Pump to pull, inspect and reinstall the Well 4 motor.

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF GILBERTS, ILLINOIS, as follows:

Section 1. Recitals. The recitals set forth above are hereby incorporated into and made a part of this Resolution as though set forth in this Section 1.

Section 2. Approval; Authorization. The Village Board of Trustees hereby authorizes the Village Administrator to execute an agreement and other necessary documents with Municipal Well and Pump to pull, inspect and reinstall the Well 4 motor in an amount not-to-exceed \$35,000.

Section 3. Waiver of Competitive Bidding. To the extent any competitive bidding requirements apply to the agreement between the Village and Municipal Well and Pump for motor inspection services they are hereby waived pursuant to Section 8-9-1 of the Illinois Municipal Code (65 ILCS 5/8-9-1).

Section 4. Effective Date. This Resolution shall be in full force and effect after its approval in the manner provided by law.

PASSED BY VOTE OF THE BOARD OF TRUSTEES of the Village of Gilberts, Kane County, Illinois, this 8 day of Dec, 2020.

	<u>Ayes</u>	<u>Nays</u>	<u>Absent</u>	<u>Abstain</u>
Trustee Dan Corbett	✓	_____	_____	_____
Trustee ^{Wink} Elissa Kojzarek	✓	_____	_____	_____
Trustee Nancy Farrell	✓	_____	_____	_____
Trustee Jeanne Allen	✓	_____	_____	_____
Trustee Lou Hacker	✓	_____	_____	_____
Trustee Guy Zambetti	✓	_____	_____	_____
President Rick Zirk	_____	_____	_____	_____


APPROVED THIS 8 DAY OF Dec., 2020





Village President, Rick Zirk

ATTEST:


~~Phillip Versten, Deputy Clerk~~
Carney Baker, Village Clerk



December 2, 2020

Village of Gilberts
Mr. John Castillo, Utilities Superintendent
73 Industrial Drive
Gilberts, IL 60136

Re: Gilberts Well #4

Dear Mr. Castillo:

We were contacted by you Tuesday Morning, December 1, 2020 regarding your well #4 pumping equipment. You stated that the well pump would run for approximately 40-seconds and trip out due to high amp draw. You further stated that the trip was not caused by any electrical issues or control equipment.

I arrived on-site at approximately 2pm to investigate the trip issue.

Well #4 was drilled in 2001 and is 1,330-feet deep. Eighteen-inch casing extends from the surface to 1,150-feet, with 17-inch open hole from 1,150-feet to 1,330-feet. The surface has a Baker pitless adapter and pumping equipment consists of a 300HP, 460-volt submersible motor, 500MCM power cable, a BJ 13/12MQ-14 stage bowl assembly set to 760-feet on 8-inch sch. 40 column pipe and pipe id coated inside and out.

Arriving at the well site, we opened the junction cabinet and disconnect cabinet. I verified that there was no voltage at the disconnect and was also informed by you that the well was locked out and tagged out. I proceeded to meg the power leads at the disconnect panel and recorded a zero reading on all three legs. This indicates that there is a severe breakdown in the motor insulation and windings. I verified the megger was working correctly. We then cleaned the ground wire connection to be sure that the readings were correct. We again megged the three legs and recorded zero on all three. Next, we removed the "A" phase lead from the disconnect and megged the lead directly to the well pump. Again, unfortunately we recorded zero again.

The results dictate that the well pump must be removed from the well for further inspection. It could be possible that the submersible cable is suspect too, but the fact that the well pump ran for 40-seconds leans one towards the motor. As a result, we are pleased to provide our proposal for removal and inspection of the equipment from Well #4.

The description of our proposal is as follows:

Item 1-Mobilization:

This item includes getting all of our pump pulling equipment on site include the pump service rig, support trailers and equipment and hydraulic cable spooler. All necessary fuel charges, mileage, per diems are included in this item too.

Item 2-Remove 746-feet of 8-inch column

This item includes the lifting of the pump off the pitless adapter and removal of the 8-inch column pipe. The pipe will be stacked on-site for further inspection and recommendations.

Item 3-300HP BJ mercury containment on site

The motor you have has a mercury seal. This results in extra care when disconnecting the bowl assembly from the motor and removing the motor from the well.

Item 4-Return motor, cable and pump to shop

These items will be returned to our shop for further inspection, testing and shipping.

Item 5-Disassemble & inspect bowl assembly and furnish report

The bowl assembly will be disassembled and inspected completely. We will check the integrity of cast iron series cases, bronze impellers and bowl shaft. In addition, we will measure all bearing clearances and tolerances, wear ring tolerances and component integrity. Report with pictures will be provided.

Item 6-Hi-Potential tank test under water

The cable and spool will be placed in a tank of water with leads exposed. We will conduct a test of the cable to make sure the cable is acceptable.

Item 7-Motor inspection including freight

The motor will be secured and crated then sent to Sunstar Electric Motors in Lubbock, Texas for further inspection and repair report.

Item 8-Televiser well

It is always recommended to televiser the well to make sure that all is acceptable in the borehole and to measure if any fill material has accumulated over the last 19-years.

Item 9-Demobilize

Basically, the same as item 1 in reverse.

Item 10-Provide complete inspection report

All inspection forms, pictures and recommendations will be compiled and presented. If we need to attend a meeting or go to a Consul meeting, this is included.

Following is the schedule of prices:

Item #	Item Description	Quantity	Units	Unit Price	Extended Price
1	Mobilization	1	Lsum	\$ 3,740.00	\$ 3,740.00
2	Remove 746-ft. of 8-inch column	20	Hours	470.00	9,400.00
3	300HP BJ mercury containment on site	5	Hours	470.00	2,350.00
4	Return Motor, Cable & Pump to shop	3	Hours	470.00	1,410.00
5	Disassemble & Inspect Bowl assembly & furnish report	6	Hours	470.00	2,820.00
6	Hi-Potential tank test cable under water	1	Lsum	1,650.00	1,650.00
7	Motor Inspection, including freight	1	Lsum	4,760.00	4,760.00
8	Televis Well	1	Lsum	3,590.00	3,590.00
9	Demobilize	1	Lsum	1,800.00	1,800.00
10	Provide Complete Inspection Report	1	Lsum	180.00	180.00
11				-	-
12	Total Estimate: \$31,700.00			-	-

It is understood the importance of this well and your supply of water to the Village. Recall we have drilled your new wells No. 5 and 6, however, those wells are not yet on-line. Therefore, time is of the essence and we are prepared to act quickly in the potential emergency.

After review, should you have any questions or comments, please do not hesitate to contact our office

Respectfully Submitted,
MUNICIPAL WELL & PUMP



Richard N Milaeger
Vice President