



STAFF REPORT

DATE: 3/21/17

CONSENT

ITEM #: 9

TO: City Council

FROM: Rob Weldon, Public Works Director

AGENDA ITEM: Well #2 Maintenance

REVIEWED BY: Kristina Handt, City Administrator

BACKGROUND: In an effort to keep municipal wells in an efficient operating capacity it is an industry standard to pull the well shaft and motor and have both professionally inspected on a 7 to 10 year cycle. Since the well was installed in 2001 there are no records on file indicating this type of maintenance being conducted. By initiating this maintenance, operational deficiencies can be corrected, along with identifying potential problems and correcting them before unnecessary damage and costly repairs occur.

ISSUE BEFORE COUNCIL: Should the City Council authorize the pulling and maintenance of Well #2?

PROPOSAL DETAILS/ANALYSIS: If approved, a selected municipal well drilling company will mobilize equipment to pull the motor and shaft from Well #2 and transport it to their shop for inspection, maintenance, rebuilding or replacement of worn parts. This type of work closely examines critical wear parts such as motor bearings, wear rings, bowls, columns, and shafts. Some of these mentioned items may be repaired while others may be at a point where they will need to be replaced. Once repairs are completed, the well components will be delivered back to the Well #2 site, reinstalled, and tested to ensure the well is operating properly.

FISCAL IMPACT: This project is included in the 2017 Capital Improvement Plan for \$25,000

OPTIONS:

- Approve Well #2 Maintenance
- Deny Well #2 Maintenance
- Table Well #2 Maintenance

RECOMMENDATION:

Motion to Approve Well #2 Maintenance with McCarthy Well Company in an amount not to exceed \$25,000

ATTACHMENTS:

- Quote Keys Well Drilling
- Quote McCarthy Well Company

KEYS WELL DRILLING
"WATER PRODUCERS SINCE 1890"

Quotation

1156 HOMER STREET, ST. PAUL, MN 55116-3232
PH-651-646-7871 FX-651-641-0216

To: Rob Weldon
City of Lake Elmo

Date of Quotation: February 24, 2017
Attention: Rob Weldon
Project: Well # 2
Location: Lake Elmo, MN

We are pleased to quote you as follows:

Well # 2 Repair


No.	Description	Unit	Est. Qty	Price	Extension
1	Remove/Reinstall/Start Up Well # 2	LS	1	5000	\$5,000
	Tear Down & Inspection	LS	1	340	\$340
	Shop Labor	Hr	20	85	\$1,700
	**Rebuild Pump Bowl (12CMC 4 Stg)				
	F&I New Bowl Shaft	LS	1	450	\$450
	F&I New Bowl Bearing (Est 6 @ \$150)	LS	1	900	\$900
	F&I New Wear Ring (est 4@ 350)	LS	1	1400	\$1,400
	F&I New Headshaft	LS	1	450	\$450
	F&I New Packing Box Bearing	LS	1	250	\$250
	Motor Repairs (Clean, Bake, Replace Bearings)	LS	1	1500	\$1,500
2	** Materials				
	10X10 Column Pipe T&C	EA	1	400	\$400
	10X5 Column Pipe T&C	EA	1	300	\$300
	10" 8-10' Suction Pipe w/ Strainer	LS	1	600	\$600
	Rubber Inserts	EA	1	25	\$25
	Bronze Spider Bearing	EA	1	150	\$150
	1-1/2X10 416SS Shaft T&C	EA	1	200	\$200
	1-1/2X5 416 SS Shaft T&C	EA	1	150	\$150

*** Quoted per each, actual quantities tbd post inspection

Thank you for the opportunity to quote this project.

Terms: N-30

Quotation valid for 60 days

Quoted By 
Nicholas Keys

Accepted _____

Date _____

McCARTHY WELL COMPANY



590 Citation Drive - Suite I, Shakopee MN 55379-1862

Phone 952-854-5333 ~ Fax 952-445-1950

"THERE'S NO SUBSTITUTE FOR EXPERIENCE"



Date: 2/14/17

Attn: Rob Weldon

City of Lake Elmo

3800 Laverne Ave North

Lake Elmo MN 55042-9629

Re: Repairs to deep well pump #2.

Company Representative: Tim McCarthy

Quotation #: 202081

"QUOTATION"

McCarthy Well Co disclaims any implied or express warranties or oral representations that this work will result in water of any particular quality, quantity, or duration.

Description

I. McCarthy Well Company will furnish the necessary labor and equipment to remove the pump; measure the well depth, static water level and casing depth and haul the pump to our shop for inspection for \$2,840.

II. At our shop your pump will be unloaded, disassembled, cleaned and inspected for \$285 to determine the needed repairs. We will contact you to view the pump and discuss the materials needed to properly repair the pump. Upon receipt of your approval we will repair, reassemble and load the pump for reinstallation in the well. The cost to recondition the motor with 2 new bearings will be \$2,800. An accurate estimate of these costs cannot be made at this time since the condition of the components will not be known until they are removed from the well, disassembled, cleaned and inspected. Estimated cost of the shop labor and parts will range from \$6,050 to \$20,835.

III. After the repairs we will return to the site; chlorinate the well; reinstall the pump and test operation of the system for \$2,840.

McCarthy Well Company has been completing well and pump in Lake Elmo since 1924 for various customers. We have the knowledge and the experience to complete the work in a first class and timely manner.

Payment Terms: Net 30 days from date of each invoice. Acceptance - If this proposal is acceptable, please sign and fax this quotation back to us at 952-445-1950. Mail the blue copy with an original signature to us at the above address. If you have any questions please call me at 952-854-5333. Please allow 2-3 weeks for delivery of the materials to our shop.

Thank You For The Opportunity To Present This Proposal!

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THIS "QUOTATION", WHEN SIGNED BY AN OFFICER OF McCARTHY WELL COMPANY WITHIN 30 DAYS OF THE DATE HEREON, WILL BE A BINDING CONTRACT BETWEEN THE PARTIES HERETO AND GOVERNED BY THE TERMS & CONDITIONS PRINTED ON THE FACE & REVERSE SIDE HEREOF.

I Certify That I Am Legally Authorized To Purchase Materials And/Or Labor To Be Furnished.

By _____ Title _____ Date _____

McCarthy Well Company

By _____ CWD/PI Title _____ President _____ Date _____