

REQUEST FOR COUNCIL ACTION

Originating Department: PUBLIC WORKS Requested By: NICK Date: 8/19/15

Please approve the low quote of Werner Well for cleaning & inspecting Wells #4 & 5

	Well #4	Well #5
Werner Well Drilling	\$4,911.30	\$4,954.30
Traut Wells	5,310.00	5,310.00
Thein Well	13,500.00	13,500.00

Funding:

E 601-49440-220 Has a balance of \$17,760.88

Budget Amendment:

Journal Entry:

DBT CR

Motion by: _____ 2nd by: _____ Vote: _____

JUL 31 2015 8:25 AM

WERNER WELL DRILLING, LLC
14311 55TH. ST NW
ANNANDALE, MN 55302

320-274-3856
320-980-1212(C)
07/30/15

CITY OF ROCKVILLE
QUOTE WELL #4
INSPECT AND CLEAN WELL

- 1. MOBILIZATION AND DEMOBILIZATION-----500.00
- 2. START PUMP AND CHECK DRAWDOWN AND GPM-1HR X 150.00PER HR-150.00
- 3. REMOVE 5HP PUMP AND PIPE--2HRS X 150.00PER HR---300.00
- 4. INSTALL 5-CARBOYS OF ACID--370.00PER CARBOY---1,850.00
- 5. INSTALL AND REMOVE BLOW PIPE AND BLOW WELL W/AIR--5HRS X 150.00PER HR--750.00
- 6. 250CFM AIR COMPRESSOR W/FUEL---350.00
- 7. INSTALL CAMERA IN WELL TO CHECK CASING AND SCREEN---1 HR LABOR--150.00
- 8. INSTALL 5LBS. CHLORINE 9.40PERLB.---47.30
- 9. INSTALL 5HP PUMP AND PIPE. PUMP WELL TO CHECK DRAWDOWN AND GPM--5HRS X 150.00PER HR---750.00
- 10. WATER SAMPLES--COLIFORM--32.00/NITRATES--32.00

TOTAL--4,911.30

WERNER WELL DRILLING, LLC

320-274-3856

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ANNANDALE, MN 55302

320-274-3856
320-980-1212(C)
07/30/15

CITY OF ROCKVILLE
QUOTE WELL#5
INSPECT AND CLEAN WELL

- 1. MOBILIZATION AND DEMOBILIZATION---500.00
- 2. START PUMP AND CHECK DRAWDOWN AND GPM-1HR X 150.00PER HR-150.00
- 3. REMOVE 10HP PUMP AND PIPE--2 1/2 HRS 150.00 PER HR----375.00
- 4. INSTALL 5- CARBOYS OF ACID-370.00PER CARBOY---1,850.00
- 5. INSTALL AND REMOVE BLOW PIPE AND BLOW WELL W/AIR--5HRS X 150.00--750.00
- 6. 250CFM AIR COMPRESSOR W/FUEL----350.00
- 7. INSTALL CAMERA IN WELL TO CHECK CASING AND SCREEN-1HR LABOR--150.00
- 8. INSTALL 5LBS CHLORINE---9.40PER LB---47.30
- 9. . INSTALL 10HP PUMP AND PIPE AND PUMP WELL TO CHECK DRAWDOWN AND GPM --5HRS X 150.00PER HR----750.00
- 10. WATER SAMPLES--COLIFORM--32.00/NITRATE--32.00

TOTAL---4954.30

JUL 29 2015



141 28th Ave South
Waite Park, MN 56387
320-251-5090
Email joetraut@trautwells.com
www.trautwells.com

Quote - City of Rockville - well 4 rehab

DATE: 7/28/2015

PHONE # 320-250-2601

NAME: City of Rockville

FAX # _____

ADDRESS _____

ATTN: Nick

JOB # 30-0000

RE: Note: Replacement pump parts are not included.

Description	Unit	Unit Price	QTY	Totals
Mob / Demob pump truck and crew	LS	250.00	1	\$ 250.00
Test pump & check well capacity before rehab	HR.	215.00	1	\$ 215.00
Pull pump	HR.	215.00	3	\$ 645.00
Disassemble pump, inspect, & write repair recommendation	HR.	85.00	2	\$ 170.00
Mob / Demob equipment to rehab well	LS	250.00	1	\$ 250.00
Blow well, inject acid, pressurize & release, & water jet screen	HR.	250.00	6	\$ 1,500.00
Mob / Demob to reinstall pump	LS	250.00	1	\$ 250.00
Reinstall pump assembly	HR.	215.00	3	\$ 645.00
Test pump & check well capacity after rehab.	HR.	215.00	1	\$ 215.00
Water-Safe acid	GAL	12.75	80	\$ 1,020.00
Chlorinate well	LS	75.00	1	\$ 75.00

TOTAL MATERIALS	\$ 1,095.00
TOTAL LABOR	\$ 4,140.00
INCOMING FREIGHT	\$ 75.00
TOTAL	\$ 5,310.00

Note: Option video - \$1100.00/ea.

Joe Traut 7-28-15



141 28th Ave South
 Waite Park, MN 56387
 320-251-5090
 Email joetraut@trautwells.com
 www.trautwells.com

Quote - City of Rockville - well 5 rehab

DATE: 7/28/2015

PHONE # 320-250-2601

NAME: City of Rockville

FAX # _____

ADDRESS _____

ATTN: .Nick

JOB # 30-0000

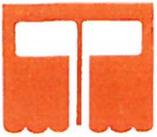
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TOTAL MATERIALS	\$ 1,095.00
TOTAL LABOR	\$ 4,140.00
INCOMING FREIGHT	\$ 75.00
TOTAL	\$ 5,310.00

Note: Option video - \$1100.00/ea.

Joe Traut 7-28-15



THEIN WELL

P.O. BOX 778, 11355 HWY. 71 NE (ACROSS FROM RINGO LAKE)
SPICER, MINNESOTA 56288 • (320) 796-2111
www.theinwell.com • E-mail: theinwell@tds.net

WELLS ~ PUMPS
SALES ~ SERVICE

Since 1893

July 30, 2015

Rena Weber
City of Rockville
PO Box 93
Rockville, MN 56369

JUL 30 2015

Dear Ms. Weber,

We at Thein Well Company are pleased to provide you pricing to pull & inspect wells 4 and 5.

To pull, inspect, measure the well, and re-install the pump, you can expect it to cost \$2,250 for each well. We would plan on bringing items that might need replacing such as drop pipe, check valves, and motors with us, if any components are found bad we will receive approval before any components are replaced.

If you choose to have this well rehabilitated, you can expect the scope and price (the price to pull and inspect is built-in to the pricing of the rehab) of the project to look like the following:

To rehabilitate the well, we will utilize our high pressure jetting technique (1,800PSI) along with a chemical mixture of Water Safe Acid.

You can expect the job to look and cost as follows:

Day 1

1. Run short pump test – Record SWL____, PL____, GPM____
2. Pull pump equipment, measure well depth(____) and bail if needed.
3. Jet 2000 PSI - 100 GPM and pump with clear water until waste stream is clear and sand free.
4. Run short pump test – Record SWL____, PL____, GPM____

Day 1: \$ 2,500

Day 2

1. Continue jetting and pumping until waste stream is clear and sand free.
Record SWL____, PL____, GPM____, Bail if needed.
2. Tremmie acid into well. __75__ gallons acid along with 1,000 gallons of water
3. Surge well 3 – 4 hours.
4. Check PH – add acid if PH rises above 3.
5. Let acid sit overnight.

Day 2: \$ 2,500

Day 3

1. Check PH – add acid if PH rises above 3
2. Surge well 2 – 3 hours.
3. Install waste pump and jetting tool
4. Jet without pumping. 1 pass up and down.
5. Jet and pump until water is clear and sand free. Record SWL____,PL____, GPM____. Bail if needed
6. Pump and Backwash until no improvement in specific capacity.
7. Chlorinate well – leave in overnight.

Day 3: \$ 2,500

Day 4

1. Surge well 1-2 hours.
2. Install waste pump.
3. Pump to waste. Record SWL____,PL____,GPM____
4. Pump and Backwash until no improvement in specific capacity.
5. Pull waste pump.

Day 4: \$ 2,500

Day 5

1. Install permanent pump
2. Obtain Specific Capacity

Day 5: \$ 2,500

Price for Materials Used (ie, Chlorine and Water Safe Acid)

\$ 1,000.00

Total for Rehab \$ 13,500.00- PER WELL.

*Any new/ replacement materials used on the job will be extra. Invoice will reflect actual time and materials used.

We have had very good success rehabilitating municipal wells throughout the state, as a reference I have included a chart from a project in Brainerd, MN using a similar scope of work (other references are available upon request):

Well #	Date drilled	Original SC	Last Rehab	SC @ start	SC @ finish	SC % change	Time (hr.) jettted
3	1939	?	2001	18.43	50.63	+175	29.75
4	1944	64.17	?	6.94	24.3	+250	51.25
5	1947	45.28	2005	11.53	45.65	+296	32.25
6	1947	?	?	14.63	43.85	+200	49.25
7	1955	76.67	2004	60.0	93.0	+55	40.50

Also, remember that the city is already on Thein Well Company's preventative maintenance program, any scheduled maintenance will result in a 2% discount on services.

To schedule, or if you have any questions, please feel free to contact me at 320-796-2111 or via email zack@theinwell.com at your convenience.

Best Regards,

A handwritten signature in black ink, appearing to read 'Zack Thein', written in a cursive style.

Zack Thein
Project Manager
Thein Well Company

Rena Weber

From: Zack Thein <zack@theinwell.com>
Sent: Thursday, July 30, 2015 2:31 PM
To: rweber@rockvillecity.org
Subject: Wells 4 & 5 QUOTE
Attachments: Rockville Well 4&5.pdf

Ms. Weber,

Please see the attached document regarding quotes for wells 4 & 5. Let me know if you have any questions. Have a wonderful day!

Thank you,

Zack Thein

Thein Well Company
(320)796-2111
P.O. Box 778
Spicer, MN 56288
www.theinwell.com

-Since 1893-