

Memorandum



To: Dale Berman, Village President & Board of Trustees
Cc: Steven Bosco, Village Administrator
From: John Laskowski, Public Works Director
Date: 12/6/2017
Re: Award of a Contract to Drill Well #9

The drilling of two new wells were identified as part of the water system improvements budgeted this fiscal year. On December 6, 2017 the Village received bids from three companies for the drilling of Well #9. Two bids were requested. The Base Bid included the drilling of the well during approved work hours for construction per Village Code. The Alternate Bid included the adjustment in the contractor's price if the Village Board were to allow the contractors to work 24 hours per day. The results of the bid opening have been tabulated in the table below.

	Water Well Solutions Service Group, Inc. 710 Herra Street, Elburn, IL 60119	Midwest Well Services, Inc 1212 Storbeck Dr Waupun, WI 53963	Engineer's Estimate of Cost Rempe-Sharpe 324 W. State St. P.O. Box 32 Geneva, IL 60134	Layne Christensen Company 721 W. Illinois Ave Aurora, IL 60506
Base Bid	\$654,762.50	\$671,548.00	\$732,809.50	\$1,058,946.00
Alternate Bid	\$654,762.50	\$656,548.00	\$732,809.50	\$956,546.00

Water Well Solutions Service Group, Inc provided the lowest base bid and alternate bid. Our consulting engineer Rempe-Sharpe has worked with this contractor in the past with satisfactory results.

The budget allocates \$2,175,000 for the Well #9 improvements. This figure includes well drilling for \$750,000, transmission main for \$425,000, well house and electrical work for \$650,000, and pump and motor costs of \$350,000. It is the staff recommendation to accept the Base Bid from Water Well Solutions Service Group, Inc. in the amount of **\$654,762.50** which is \$95,237.50 under the budgeted amount and \$78,047.50 under the engineer's estimate.



**REMPE-SHARPE
& Associates, Inc.**

CONSULTING ENGINEERS

324 West State Street
Geneva, Illinois 60134
P.E. Phone: 630/232-0827 – Fax: 630/232-1629

Principals

J. Bibby P.E. S.E.
D. Watson P.E.

B. Aderman P.E.
B. Bennett P.E. CFM
N. Dornfeld P.E.
L. Vo P.E.
J. Whitt P.E.

December 13, 2016

Village of North Aurora
25 East State Street
North Aurora, IL 60542

Attn: Steve Bosco

Re: Well No. 9, Contract No. 1 – Drilling
Bid Opening

File: NA-583A

Dear Mr. Bosco

In accordance with the Advertisement for Bids, the Village of North Aurora opened bids for the Well No. 9, Contract No. 1 - Drilling Project on Wednesday, December 6, 2017. Prior to bidding, the project was advertised in the Daily Herald and the advertisement was sent to 8 qualified contractors.

The project consists of constructing a 29" diameter well with a 26" casing, 30 feet in depth, a 25" diameter well with a 22" casing approximately 675 feet in depth, and a 21" diameter well from 670 feet to approximately 1345 feet in depth, along with well development, yield tests and related work in accordance with the Contract Documents.

Four (4) contractors purchased plans and specifications for the project. Bids were submitted by three (3) contractors. The bids were as follows:

<u>BIDDER</u>	<u>BASE BID</u>	<u>ALT.BID</u>	<u>TOTAL BASE BID +/- SUPPLEMENT</u>	<u>SUPLMT.BID</u>
Water Well Solutions, Inc., Elburn, IL	\$ 654,762.50	\$ 0.00	\$654,762.50	\$114,230.00
Municipal Well & Pump., Waupun, WI	\$ 671,548.00	\$ -15,000.00	\$656,548.00	\$ 67,290.00
Layne Christensen Company, Aurora, IL	\$1,058,946.00	\$-102,400.00	\$956,546.00	\$164,390.00
Engineer's Estimate	\$ 832,809.50	\$100,000.00	\$732,809.50	\$121,000.00

The attached Bid Tabulation gives an itemized cost for all of the bids. The Base Bid is for working during the Village of North Aurora working hours only. The Alternate Bid allows the bidder to work around the clock, 24 hours a day. The supplemental bid items are for installing a liner in the highly fractured Prairie Du Chien dolomite located below the water bearing Glenwood-St. Peter Sandstone. The fractured dolomite seems to have a large water bearing capacity, as the other Village wells open in this formation have great specific capacities and low radium levels. The Engineer has observed 10 similar wells being drilled in the Fox Valley with the liner not being required. However, if a need arises, the Village has a cost for an additional liner.

Village of North Aurora

Well No. 9, Contract No. 1 - Drilling

Village of North Aurora
Attn: Steve Bosco

Well No. 9, Contract No. 1 - Drilling
December 13, 2017
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The low bidder, Water Well Solutions Service Group, Inc. of Elburn, IL, Base Bid was \$178,047.00 lower, or 21.4%, lower than the Engineer's Base Estimate of \$832,809.50. Water Well Solutions Service Group, Inc. Supplemental Bid was \$6,770.00 lower, or 6% lower than the Engineer's Estimate of \$121,000.00. Water Well Solutions Service Group, Inc. Base Bid minus their Supplemental Bid was \$78,047.00 lower, or 10.6% lower, than the Engineer's Base Estimate minus our Supplemental Bid Estimate of \$732,809.50.

The Engineer has worked with the Contractor, Water Well Solutions Service Group, Inc., on similar projects in the past. The contractor performed the work in accordance with the contract documents and completed the projects on time.

Therefore, Rempe-Sharpe and Associates, Inc. recommends that the Village of North Aurora award the Well No. 9, Contract No. 1 - Drilling Project for the Base Bid (Village Working Hours Only), in the amount Six Hundred Fifty-Four Thousand, Seven Hundred Sixty Two Dollars and Fifty Cents (\$654,762.50) to Water Well Solutions Service Group, Inc. of Elburn, Illinois.

Enclosed, please find three (3) copies of the Notice of Award for the 2016 Street Improvements Project. Upon the Village's approval, please sign and date all three (3) copies of the Notice of Award. Send one signed copy to the Contractor, Water Well Solutions Service Group, return one signed copy to Rempe-Sharpe and Associates, Inc., and retain one signed copy for the Village's files. Our office will arrange for a pre-construction meeting with Geneva Construction Company, after the Notice of Award is signed.

If there are any questions, please feel free to contact the undersigned.

Very truly yours,

REMPE-SHARPE AND ASSOCIATES, INC.
BY:



Daniel A. Watson, P.E.

Enclosure

P.C. Bill Hannah, Village of North Aurora
John Laskowski, Village of North Aurora
Paul Young, Village of North Aurora
Cindy Torracco, Village of North Aurora
Karole Masters, Village of North Aurora

BID TABULATION
WELL NO. 9, CONTRACT NO. 1 - DRILLING
VILLAGE OF NORTH AURORA

NA-583A

BY: DAW

Item #	Item Description	Quantity	Units	ENGINEER'S ESTIMATE		WATER WELL SOLUTIONS ELBURN, IL		MUNICIPAL WELL & PUMP WAUPUN, WI		LAYNE CHRISTENSEN CO AURORA, IL	
				Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
1	Mobilization & Site Cleanup	1	LS	\$205,000.00	\$205,000.00	\$67,044.00	\$67,044.00	\$135,840.00	\$135,840.00	\$237,700.00	\$237,700.00
2	Drill 29-inch Hole (0 ft - 50 ft)	50	LF	\$320.00	\$16,000.00	\$355.00	\$17,750.00	\$461.00	\$23,050.00	\$640.00	\$32,000.00
3	26-inch Well Casing - 0.50" Thickness	50	LF	\$210.00	\$10,500.00	\$340.00	\$17,000.00	\$203.00	\$10,150.00	\$244.00	\$12,200.00
4	Drill 25-inch Hole (50 ft - 650 ft)	600	LF	\$280.00	\$168,000.00	\$305.50	\$183,300.00	\$230.00	\$138,000.00	\$446.00	\$267,600.00
5	22-inch Well Casing - 0.50" Thickness	650	LF	\$180.00	\$117,000.00	\$136.00	\$88,400.00	\$136.00	\$88,400.00	\$138.00	\$89,700.00
6	Cement Shoe, 26-inch	1	EA	\$2,500.00	\$2,500.00	\$3,600.00	\$3,600.00	\$2,180.00	\$2,180.00	\$3,400.00	\$3,400.00
7	Cement Shoe, 22-inch	1	EA	\$2,300.00	\$2,300.00	\$3,200.00	\$3,200.00	\$1,830.00	\$1,830.00	\$2,800.00	\$2,800.00
8	Cement Grout Installation, Surface Casing	54	CF	\$148.00	\$7,992.00	\$23.00	\$1,242.00	\$60.00	\$3,240.00	\$99.00	\$5,346.00
9	Cement Grout Installation, Long String Casing	550	CF	\$65.45	\$35,997.50	\$42.18	\$23,199.00	\$47.00	\$25,850.00	\$32.00	\$17,600.00
10	Drill 21-inch Hole, (650 ft - 980 ft)	330	LF	\$240.00	\$79,200.00	\$257.00	\$84,810.00	\$219.00	\$72,270.00	\$387.00	\$127,710.00
11	Drill 21-inch Hole (980 ft - 1330 ft)	350	LF	\$240.00	\$84,000.00	\$257.00	\$89,950.00	\$124.00	\$43,400.00	\$387.00	\$135,450.00
12	Furnish, Install and Remove Test Pump	1	EA	\$48,000.00	\$48,000.00	\$18,220.00	\$18,220.00	\$82,460.00	\$82,460.00	\$62,500.00	\$62,500.00
13	Test Pumping for Development and Yield Test	36	HR	\$380.00	\$13,680.00	\$325.00	\$11,700.00	\$548.00	\$19,728.00	\$660.00	\$23,760.00
14	Television Survey	1330	LF	\$2.00	\$2,660.00	\$1.25	\$1,662.50	\$3.00	\$3,990.00	\$2.00	\$2,660.00
15	Well Disinfection	1	LS	\$3,000.00	\$3,000.00	\$7,680.00	\$7,680.00	\$540.00	\$540.00	\$5,800.00	\$5,800.00
16	Earth Excavation	190	CY	\$65.00	\$12,350.00	\$66.50	\$12,635.00	\$24.00	\$4,560.00	\$38.00	\$7,220.00
17	Porous Granular Embankment Subbase, 12"	110	CY	\$85.00	\$9,350.00	\$75.00	\$8,250.00	\$64.00	\$7,040.00	\$44.00	\$4,840.00
18	Aggregate Access Road (CA-6), 8"	80	TN	\$60.00	\$4,800.00	\$70.50	\$5,640.00	\$28.00	\$2,080.00	\$36.00	\$2,880.00
19	Geotechnical Fabric, 8 oz	240	SY	\$12.00	\$2,880.00	\$8.25	\$1,980.00	\$3.00	\$720.00	\$2.00	\$480.00
20	Silt Fence w/Construction Fence	400	LF	\$12.00	\$4,800.00	\$8.00	\$3,200.00	\$4.00	\$1,600.00	\$16.00	\$6,400.00
21	Seeding, Class 1	200	SY	\$10.00	\$2,000.00	\$12.00	\$2,400.00	\$14.00	\$2,800.00	\$29.00	\$5,800.00
22	12" CMP Culvert w/FES	20	LF	\$40.00	\$800.00	\$95.00	\$1,900.00	\$91.00	\$1,820.00	\$255.00	\$5,100.00
TOTAL BASE BID				\$832,809.50		\$654,762.50		\$671,548.00		\$1,058,946.00	
ALTERNATE BID											
A1	Working 24 Hours-a-Day	ADD / DEDUCT		-\$100,000.00		\$0.00		-\$15,000.00		-\$102,400.00	
SUPPLEMENTAL BID ITEMS											
Item #	Item Description	Quantity	Units	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
S1	18-inch Well Casing - 0.375"	80	LF	\$280.00	\$22,400.00	\$186.00	\$14,880.00	\$132.00	\$10,560.00	\$228.00	\$18,240.00
S2	Cement Shoe, 18-inch	2	EA	\$2,100.00	\$4,200.00	\$2,200.00	\$4,400.00	\$2,040.00	\$4,080.00	\$2,200.00	\$4,400.00
S3	Drill 17-1/4 inch Hole (880' - 1330')	450	LF	\$210.00	\$94,500.00	\$211.00	\$94,950.00	\$117.00	\$52,650.00	\$315.00	\$141,750.00
SUBTOTAL SUPPLEMENTAL BID TOTAL				\$121,100.00		\$114,230.00		\$67,290.00		\$164,390.00	
TOTAL BASE BID+ / - ALTERNATE BID				\$732,809.50		\$654,762.50		\$656,548.00		\$956,546.00	

NOTICE OF AWARD

Dated December 18, 2017

TO: WATER WELL SOLUTIONS SERVICE GROUP, LLC.

ADDRESS: 710 HERRA STREET

ELBURN, ILLINOIS 60119

630-365-9099

PROJECT: WELL NO. 9, CONTRACT NO. 1 - DRILLING

The proposed work for the Well No. 9 Facilities, Contract No. 1 - Well Drilling, consists of constructing a 29" diameter well with a 26" casing, 50 feet in depth, a 25" diameter well with a 22" casing approximately 650 feet in depth, and a 21" diameter well from 650 feet to approximately 1330 feet in depth, along with well development, yield tests and related work in accordance with the Contract Documents.

You are notified that your Bid dated December 6, 2017 for the above Contract has been considered. You are the apparent successful bidder and have been awarded a contract for the WELL NO 9, CONTRACT NO. 1 – DRILLING.

The Contract Price of your contract is Six Hundred Fifty-Four Thousand, Seven Hundred Sixty Two Dollars and Fifty Cents (\$654,762.50).

Four (4) copies of each of the proposed Contract Documents (except Drawings) accompany this Notice of Award.

You must comply with the following conditions precedent within ten days of the date of this Notice of Award.

1. You must deliver to the OWNER four (4) fully executed counterparts of the Agreement including all the Contract Documents.
2. You must deliver with the executed Agreement the Contract Security (Bonds) as specified in the Instructions to Bidders (paragraph 17), General Conditions (paragraph 5.1) and Supplementary Conditions (paragraph SC-5.1).

3. (List other conditions precedent).

Addendum No. 1

Base Bid

Failure to comply with these conditions within the time specified will entitle OWNER to consider your bid abandoned, to annul this Notice of Award and to declare your bid security forfeited.

Within ten days after you comply with these conditions, OWNER will return to you one fully signed counterpart of the Agreement with the Contract Documents attached.

VILLAGE OF NORTH AURORA

By: _____
(AUTHORIZED SIGNATURE)

(TITLE)

Copy to ENGINEER