



3201 Stanley St
 Stevens Point, WI 54481
 PH: 715-345-5000
 FAX: 715-345-5007

ES-06

CHANGE ORDER BREAKDOWN -- WORKSHEET

JOB NAME: **Kronenwetter Well**
 ARCH JOB NO: **2021.022**
 ELLIS JOB NO: **23061**
 CHANGE ORDER NUMBER: **ES-06**
 DESCRIPTION: **Well Pump Rebuild Extras**
 DATE: **07/16/24**

ITEM	MATERIAL	LABOR	VENDOR/SUB
General Conditions	0	0	182
Rohde Brothers			3,636
This change order request reflects extra time and materials required to rebuild the well pump, as the issues during rebuild were unforeseen			
SUB - TOTALS	0	0	3,818
SALES TAX ON MATERIAL 5.50%	0		
TAX & INS ON LABOR 27.00%		0	
LIABILITY INS 0.600%	0	0	23
BOND 1.00%	0	0	38
SUB - TOTALS	0	0	3,879
PROFIT & OVERHEAD :			
LAB & MAT = 5.00%	0	0	
SUBCONTRACTORS = 5.00%			194
SUB - TOTALS	0	0	4,073
TOTAL CHANGE ORDER AMOUNT			\$4,073
CONTRACT TIME WILL BE INCREASED BY: Work Days			
SUBMITTED BY ELLIS STONE CONSTRUCTION: BY:		DATE:	
ARCHITECT'S APPROVAL OF CHANGE: BY:		DATE:	
OWNER'S APPROVAL CHANGE: BY:		DATE:	



BROTHERS, INC.

Proposal

Ellis Construction
Attn: Zach Gilmaster
3201 Stanley Street
Stevens Point, WI 54481

Proposal#: 19539

Date: 04-Jun-24

W5745 Woodchuck Lane
P.O. Box 409
Plymouth, WI 53073-0409
Phone: (920) 893-5905
Fax: (920) 893-5908

Department Totals

Pipe Fitting	\$3,636.00	Base Bid
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We hereby propose to furnish all material and labor necessary to complete work as described below, in a good and workmanlike manner, for the sum of: \$3,636

Three Thousand Six Hundred Thirty-Six Dollars

Description

Additional labor and materials needed by Water Well Solutions during the rebuilding of the well pump.

According to plans and specifications as drawn by: Becher Hoppe

Project #: 23-066 Project: Kronenwetter Well #2

Location of Work: Kronenwetter, WI Owner: Village of Kronenwetter

Terms: Net 30 Days. Finance charge of 1-1/2% per month (Annual Percentage rate of 18%) added after 30 days after first billing date.

Accepted By: _____ Date: _____

Title: _____

Respectfully Submitted,

Brian Marquardt

Per: Brian Marquardt

ROHDE BROTHERS, INC.

This proposal when signed by you and returned to us shall constitute a valid and binding contract, which shall be governed and construed according to the laws of the State of Wisconsin. This proposal is subject to 30 days acceptance from the date of this proposal and may be changed without notice before actual receipt of acceptance. This proposal is based on a form of contract using the latest editions of AIA Document A201. "General Conditions of the Contract for Construction" in conjunction with either AIA Document A101, "Standard Form of Agreement Between Owner and Contractor" of AIA Document A401, "SUBCONTRACT Standard Form of Agreement Between Contractor and Subcontractor", or on a time and material form of contract using the latest edition of Rohde Brothers, Inc. "Standard Form of Construction Contract Proposal For Cost Of Work Plus A Fee". Rohde Brothers shall also be reimbursed for all expenses it incurs while protecting its rights in the performance of this work. This shall include any appropriate legal or administrative action that Rohde Brothers must take to protect its interests, such as, but not limited to, attorney and accounting fees, court reporter fees, filing fees, the actual cost of effecting service of papers or providing witnesses, and expenses incurred by Rohde Brothers itself.

CONFIDENTIAL CUSTOMER COPY



BROTHERS, INC.

Village of Kronenwetter

Breakdown of Rohde Proposal #19539

Proposal Name: Kronenwetter Well #2

Subcontract		Total
Water Well Solutions	\$	3,463.23
Total Before Adjustment		\$ 3,463.23
Allowable Adjustment		5.0%
Total Subcontract Cost		\$ 3,636.39
Material Total:	\$	0
Total Labor	\$	0
Total Subcontractor	\$	3,636
Total Change Order	\$	3,636

Water Well Solutions Wisconsin LLC

N87 W36051 Mapleton Street
Oconomowoc, WI 53066
Web: www.wwssg.com



P: 920-474-4777
TF: 888-769-9009
Fax: 920-474-4771

Customer: Rohde Brothers, Inc.

W5745 Woodchuck Lane,
Plymouth, WI 53073
Attn: Brian Marquardt
marquardtb@rohdebros.com

Project Engineer: Philip Judkins

INVOICE #: WI24-05-117A

Date: 5/28/2024
Project #: 19231111
Progress or Final: Final
PO#/Job#: 23-066

Terms: 10 Days

Qty	Description	Unit Price	TOTAL
	Kronenwetter Well No 2 Change Order Invoice		
	LABOR:		
39.5	Additional Labor/Machinist Hours for Pump Teardown/Add 1-Stage	65.00	\$2,567.50
	Allowable Adjustment		15.00%
	Total Labor:		\$2,952.63
	MATERIALS:		
2	New 100# Gauges	69.06	\$138.12
1	New Stainless Steel Strainer	305.88	\$305.88
	Allowable Adjustment		15.00%
	Material Total:		\$510.60
Subtotal			\$3,463.23
Tax			
Total Due			\$3,463.23

PLEASE REMIT ALL PAYMENTS TO:

N87 W36051 Mapleton St
Oconomowoc, WI 53066

Kronenwetter Well 2 Breakdown:	Workers	Rate	Cost / Scope
Mobilize, Pull, Teardown			Original Scope
Call to discuss options			No Charge
Cut Shaft & Use Gear Puller Repeat Steps to Get Pump Apart	Elliott (8.5 hrs.)	\$65.00/hr.	\$552.50
	Andrew (7 hrs.)	\$65.00/hr.	\$455.00
	Jack (7 hrs.)	\$65.00/hr.	\$455.00
	Peter (7 hrs.)	\$65.00/hr.	\$455.00
Cleaned Components & Made New Shaft			Original Scope
Re-assembled			Original Scope
Take top stage and discharge case off and re-face in lathe and re-assemble	Elliott (4 hrs.)	\$65.00/hr.	\$260.00
	Andrew (3 hrs.)	\$65.00/hr.	\$195.00
	Jack (3 hrs.)	\$65.00/hr.	\$195.00
Paint Bowls			Original Scope
Reinstalled			Original Scope
Collect 2 Bacteriological Samples			Original Scope
Sub Total:			\$2,567.50
15% Allowable Adjustment			X .15
Total:			\$2,952.63

Additional Components:		
2	New #100 Gauges	\$138.12
1	New Stainless-Steel Strainer	\$305.88
Sub Total:		\$444.00
15% Allowable Adjustment		X .15
Total:		\$510.60

Grand Total for Additional Labor and Components:	\$3,463.23
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BROTHERS, INC.

Village of Kronenwetter

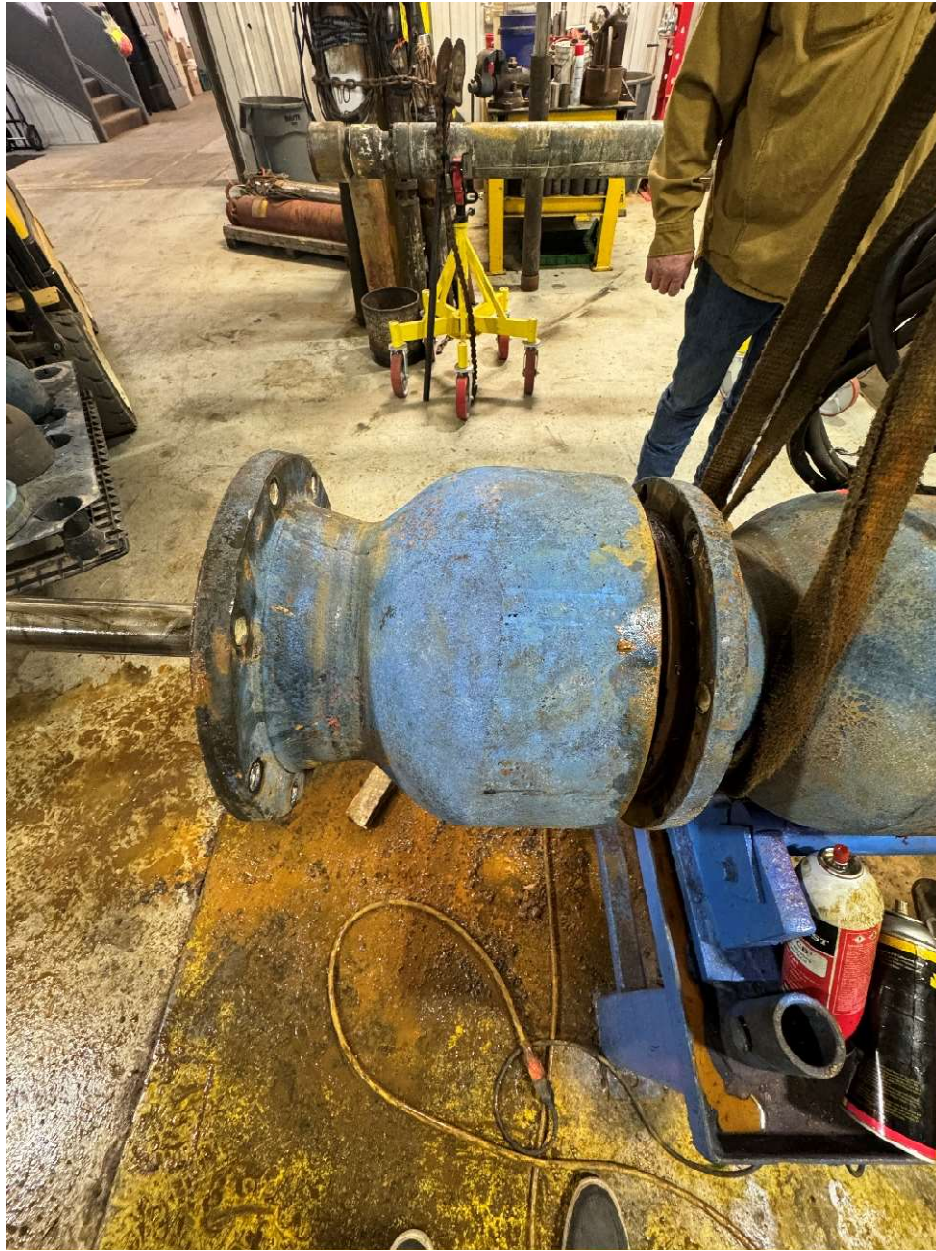
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Total Labor	\$	0
Total Subcontractor	\$	3,636
Total Change Order	\$	3,636



Top Side of Intermediate Pump Casting that was stuck on the pump shaft due to build up and sediment.



Side of Intermediate that was seized to the shaft and would not allow us to remove it any further in the picture without the extra measures we went through to not risk damaging or breaking the flange face of the casting.



Bottom Side Skirt of the impeller with debris and wear that would not allow for standard removal leading to extra time and measures to salvage and re-use.



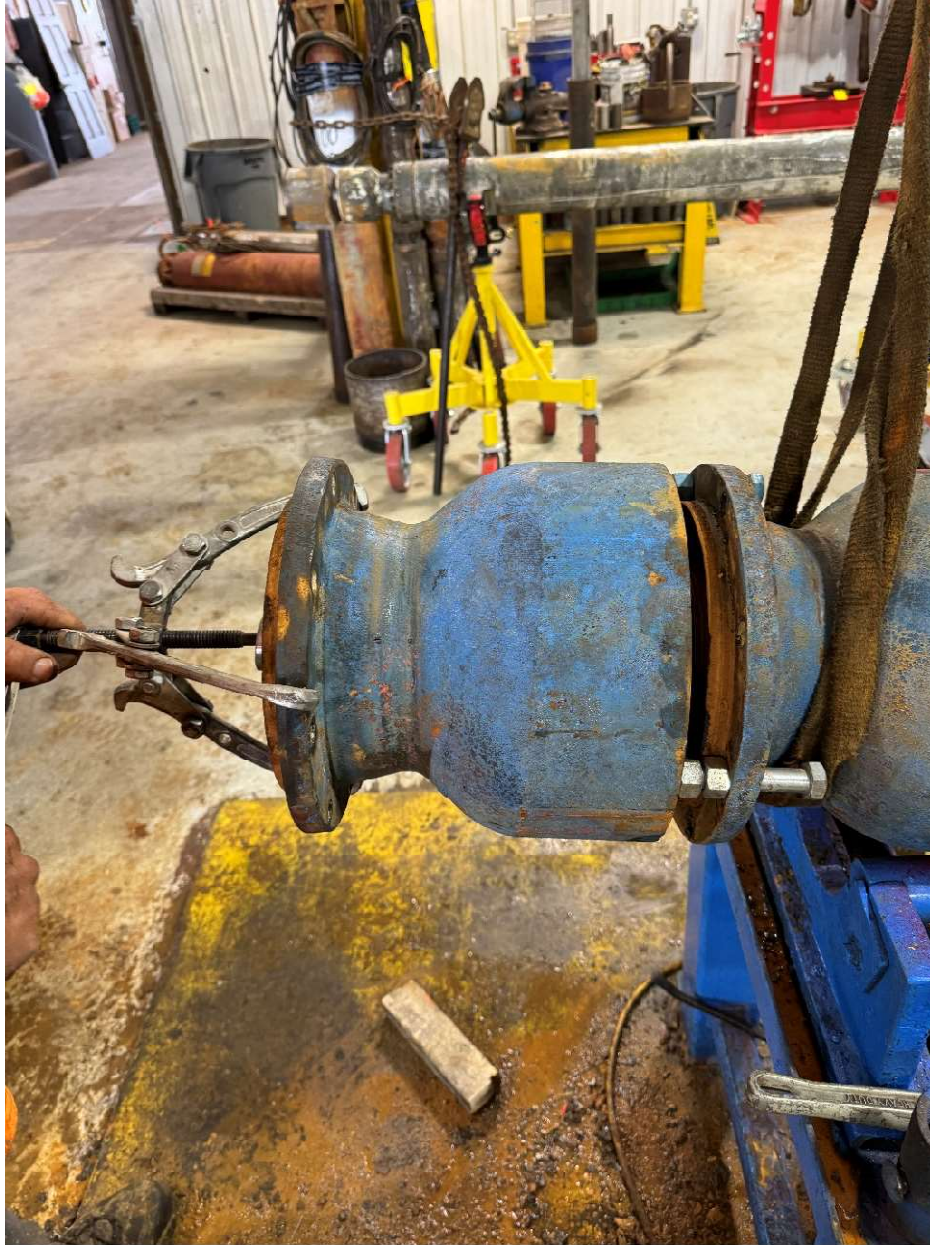
Picture between intermediates showing wear on impeller skirt.



Side View Close up of intermediate and impeller stuck on shaft as pictured previously.



Top of Intermediate once the stuck intermediate and impeller were removed after all the additional efforts were made and successful in removing them with no damage to the pump. As you can see, there is a large amount of build up and sediment that were mainly the cause of the intermediate not coming off the shaft in a routine and easy fashion.



The stuck intermediate bearings were broken free by cutting the top of the bowl shaft off and using a 3-arm gear puller attached to the outside of the bowl casting with bolts and nuts on the backside to inch the bowl forward off the shaft without damaging it. I attached some pictures for visual. This is a very time-consuming process to not crack or damage the bowl casting. Once the bowl was free, we had to repeat these steps of cutting the shaft with the stuck bearing off to continue removing stages of the pump. All components were then pressure washed, and the bearings pushed out and replaced in each stage of the pump. A new bowl shaft was made, collets cleaned and re-assembled with the added stage and new ss bolting. The discharge case and the new stage had to be put in the lathe and re-faced to ensure a machined fit surface. The bowl was then painted and build completed.