

* * * E S T I M A T E * * *

E.H. RENNER & SONS, INC.
15688 JARVIS STREET NW

ESTIMATE NO.: 000068390000
CUSTOMER NO.: 02173
DATE: 03/10/17

ELK RIVER, MN 55330

TO:
CITY OF RAMSEY
7550 SUNWOOD DRIVE NW
RAMSEY, MN 55303

SHIP TO:
CENTRAL PARK COMMUNITY BL
7925 - 161ST AVE. NW
RAMSEY, MN 55303

SALESPERSON ... 02
ORDER DATE 03/10/17

Contacts: 1. TERRY BYRON (763) 238-9823
2. John Nelson (764) 286-0296
3. John Nelson (763) 433-9861
4. CITY HALL FAX (763) 427-5543

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
	REPLACEMENT PUMP SYSTEM FOR THE WELL # 449174 AT CENTRAL PARK COMMUNITY BLDG.		
1	SMEAL TRIP CHARGE /TRIP	115.00	115.00
3	SMEAL PUMP TRUCK /HR	120.00	360.00
4	OPERATOR / HR	116.00	464.00
4	SERVICE TECHNICIAN /HR	116.00	464.00
	MATERIALS		
1	PUMP FRANKLIN LEGEND 30GPM PEO	927.00	927.00
1	MOTOR FRANKLIN 3HP 230/60/3	845.00	845.00
1	SUBDRIVE 30-C FRANKLIN	1,919.50	1,919.50
42	PIPE GALV 2" T&C W/MERCH CPLGS	8.45	354.90
1	VALVE CHECK 2" MIDWEST 530	125.75	125.75
50	WIRE 12/3 W/GRD FLAT JKT SUB-CABLE	1.55	77.50
1	MSC WIRE CONNECTORS, TAPE	11.00	11.00
1	TANK FLEXLITE FL28 - 82 GALLON	1,034.047	1,034.05
1	MISC. TANK FITTINGS	250.00	250.00
1	BOE ELECTRICAL ALOTMENT ESTIMATE	800.00	800.00
1	2" COPPER ALOTMENT ESTIMATE (BUDGET NUMBER)	645.00	645.00

ESTIMATOR: ROGER E. RENNER
763-427-6100-OFFICE
rerenner@ehrenner.com

SUB-TOTAL 8,392.70

SALES TAX 0.00

TOTAL 8,392.70

* T H A N K Y O U *

VFD

E. H. Renner & Sons

WELL DRILLING FOR FOUR GENERATIONS
15688 Jarvis Street N.W., Elk River, MN. 55330, (612)427-6100

WELL LOG

MAPCODE Q2-138

Date Started 11-21 19 88 Date Completed 12-9 19 88

Owner or Contractor City of Ramsey Address 15153 Nowthen Blvd.

Job Location 7925 161st Ave NW

City Ramsey County Anoka State of Minnesota

Well: _____ Cable Tool GD1000 Rotary Driller: Dale Johnson

Cased with: 4 inch _____ PE X T&C 150 Ft. Total Depth of Well 185 Ft. from grade
 _____ inch _____ PE _____ T&C _____ Ft. Includes 1 stickup
 _____ inch _____ PE _____ T&C _____ Ft.

Feet of Open Hole 35 Finished in Franconia Static Water Level 35 Ft.

Tested at 40+ gallons per min. Drawn down of air feet. clean & clear
 Tested at _____ gallons per min. Drawn down of air feet. 90' 60GPM

Screen: _____
 Size NONE dia. _____ ft. Make _____ Slot _____

Leader: _____
 Size NONE dia. _____ ft. Material _____ Fittings _____

Pump: _____
 Make Grundfos Model 25S15-9 HP. 1½ Volts 230 Phase Type Sub Tank (2) WX-302

Motor Serial No. _____ Pump Serial No. _____ Drop Pipe _____ feet

Size 1½ Capacity of Pump 25 G.P.M. AT 180 T.D.H. Date Installed December 9, 1988

Inside 2 ft. Outside 35 ft.

Pitless Adapter: Make Baker 4" Standard Offset Material CU Size 1½ inch

Kind of Formation	Color of Formation	Started Depth	Ended Depth	Total Thickness of Formation	Remarks
Sand	Brn/Tan	0	30	30	
Clay & Rock	Red	30	78	48	
Sand & Rocks (Gravel)	Tan Grn/White	78	88	10	
Clay	Tan/Brn	88	100	12	
Sandstone Gravel Drift	Tan/White Grey/Yellow	100	120	20	
Clay	Brn/Grey	120	126	6	Layered Very Tight
Shale Drift Mix	Blue Grey White	126	144	18	
Sand Rock	Turquoise	144	149	5	149 Extremely hard turned soft at 155
Sandstone Jordon	White Grey	149	168	19	lost return
Sandstone Jordon	Grey	168	180	12	
Sandstone Franconia	Green	180	185	5	

E. H. Renner & Sons

INVOICE

INCORPORATED

WELL DRILLING FOR FIVE GENERATIONS

15688 JARVIS ST. N.W. • ELK RIVER, MN 55330

PHONE: (763)427-6100 • FAX: (763)427-0533

www.ehrenner.com

INVOICE NO.:000154490000

CUSTOMER NO.:02173

DATE: 03/10/17

SOLD TO:

CITY OF RAMSEY
7550 SUNWOOD DRIVE NW

RAMSEY, MN 55303

SHIP TO:

COMMUNITY CENTER WELL
7925 - 161ST AVE. NW
WELL # 449174
RAYMSEY, MN 55303

SALES- ORDER
PERSON DATE

P.O. NUMBER

SHIP DATE	SHIPPED VIA	F.O.B.	TERMS	SALES- PERSON	ORDER DATE	P.O. NUMBER
03/10/17	RAYMOND	RAMSEY	NET 30	03	03/07/17	763-238-9823

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
	PUMP TEST FOR WELL # 449174 USE OWNER'S PUMP OVER THE TOP ATTAINED 30GPM/FT OF DRAW DOWN NEED SPECIFIC CAPACITY OF WELL ATTAINED DIME SIZE SAND AT 60GPM BRING GLASS JAR TO DETECT SANSTONE PUMP IS < 5% OFF CURVE AT 60PSI PICTURES NEEDED TO ESTIMATE THE MOTOR RUNS AT 11.76 AMPS OPEN FOUND BOTH PRESSURE TANK'S BLADDERS RIPPED		
1	SMEAL TRIP CHARGE	/TRIP 115.00	115.00
1	SMEAL PUMP TRUCK	/HR 120.00	120.00
1	OPERATOR	/ HR 116.00	116.00

RAN SYSTEM TO CLEAR AND RESET PUMP,
WATER LEVEL 32' AND WAS AT 35' IN
1988

RAYMOND T. RENNER CWI/PI
763-286-8806-CELL
raymond.t.renner@ehrenner.com

*March 10th
test*

* T H A N K Y O U *	SUB-TOTAL	351.00	SHIPPING CHARGES	0.00
	SALES TAX	0.00	TOTAL	351.00

Like Us on FACEBOOK!

WHITE - CUSTOMER YELLOW - OFFICE PINK - SEND BACK WITH PAYMENT