

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-8730

Exam Date: May 9, 2012

1. Current Owner: LIMELIGHT CONDOMINIUMS INC
PO BOX 1312
KETCHUM ID 83340
(208)726-4754
2. Accompanied by: contact is Kim Coonis but allowed me to inspect the system alone
Phone No: 720-3897

3. SOURCE

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: none
2. Other water rights with the same point of diversion: none

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER NE1/4SE1/4 Sec. 11, Twp 04N, Rge 17E, B.M. BLAINE County (within HES 292)

GROUND WATER NE1/4SE1/4 Sec. 11, Twp 04N, Rge 17E, B.M. BLAINE County (within HES 292)

Method of Determination: GPS

2.

PLACE OF USE: RECREATION, IRRIGATION, AND DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
04N 17E 11													X				

Method of Determination: Aerial Imagery

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☐ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

<u>Well or Diversion ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
A0004251	Franklin Electric	3	2823028310		
A0018515	Sta-Rite		1		VIP III submersible

D. FLOW MEASUREMENTS

1.

MeasurementEquipmentTypeMakeModel No.Serial No.SizeCalib. Date

NA—a measurement could not be made since the system is “on-demand” and there is no way to open up the wells to discharge their full capacity.

2. Measurements: I will conduct hp equations for both wells to obtain a diversion rate. The pump information I collected at the site is sufficient, however, there are no well logs on file. I surveyed area well logs and found that the static water level averages ~55' and it appears that the water bearing zone averages ~60'. I will conduct the hp equations using 60' as the depth to water variable.

E. FLOW CALCULATIONS

___n___ Additional Computation Sheets Attached

Measured Method: I conducted a hp equation estimate for both wells.

Well #1 (I will call the outside well #1) has a TDH = 152.4' based on the following parameters:

Depth to water: Various well driller reports for the area show ~60' as the water bearing zone.

hp: 3 hp pump

PSI: 40*

$$8.8 \times 0.7 \times 3/60 + (2.31 \times 40) = 18.48/152.4 = \mathbf{0.12 \text{ cfs}}$$

Well #2 (found within the well house) has a TDH = 152.4' based on the following parameters:

Depth to water: Various well driller reports for the area show ~60' as the water bearing zone.

hp: 1 hp pump

PSI: I will use 40 as above

$$8.8 \times 0.7 \times 1/60 + (2.31 \times 40) = 6.16/152.4 = \mathbf{0.04 \text{ cfs}}$$

Total capacity of the system is 0.16 cfs

*The psi that I am using for the hp equation is based on “rule of thumb” pressures for domestic systems. In order to confirm the diversion rate found in the hp equation, I will conduct a pipe conversion estimate for the system where:

$$Q = 5\pi r^2$$

$$r = (\text{diameter}/12)/2 \quad r \text{ in ft}$$

$$\pi = 3.1416$$

2.5" pipe for the domestic/irrigation system:

$$5 \times \pi \times 0.104^2 = 0.169 \text{ or } 0.17 \text{ cfs}$$

1" pipe for the pool:

$$5 \times \pi \times 0.0416^2 = 0.027 \text{ or } 0.03 \text{ cfs}$$

Conclusion: The pipe system for the domestic /irrigation component of the right is designed to handle 0.17 cfs, this confirms that the system can support the rate of 0.16 cfs that I calculated above. In addition, the pipe conversion for the piping system for the pool confirms that the system can accommodate at least 0.03 cfs. Recreation use shall be licensed for 0.03 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1 \times 3.5 = 3.5$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.03 \times 1.9835 \times 200 \text{ days} = 11.9 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 3.5 \text{ af}$$

2. Volume Calculations for Other Uses:

Recreation: Pool can hold 22,000 gallons or 0.07 af. The pool is filled 1 times at the most per year.

$$22,000/325,850 = \text{Total } 0.1 \text{ af}$$

Domestic: There are $(38 \text{ condo units} \times 60 \text{ gpd/condo} \times 365)/325,850 = 2.6 \text{ af}$ per year

Total volume calculations = 6.2 af

G. NARRATIVE/REMARKS/COMMENTS

The volume for the condos was calculated using a standard that is found within Table 3 of the Field Examiner's Handbook. The standard allows for 60 gpd/condo.

I spoke with the people at Aqua Pro Services in Ketchum (578-1298) and found out that the pool is 22,000 gallons and it's typical to re-circulate the same water for years but can be replaced on an annual basis.

This permit was advertised and approved showing just one point of diversion. However, the application for permit clearly states that there will be 2 wells in the NESE of Sec. 11 and that's what was developed.

The

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
RECREATION	06/01 to 09/01	0.030 CFS	0.1 AF
IRRIGATION	04/15 to 10/31	0.030 CFS	3.50 AF
DOMESTIC	01/01 to 12/31	0.160 CFS	2.60
<u>Totals:</u>		0.160 CFS	6.20 AF

2. Recommended Amendments

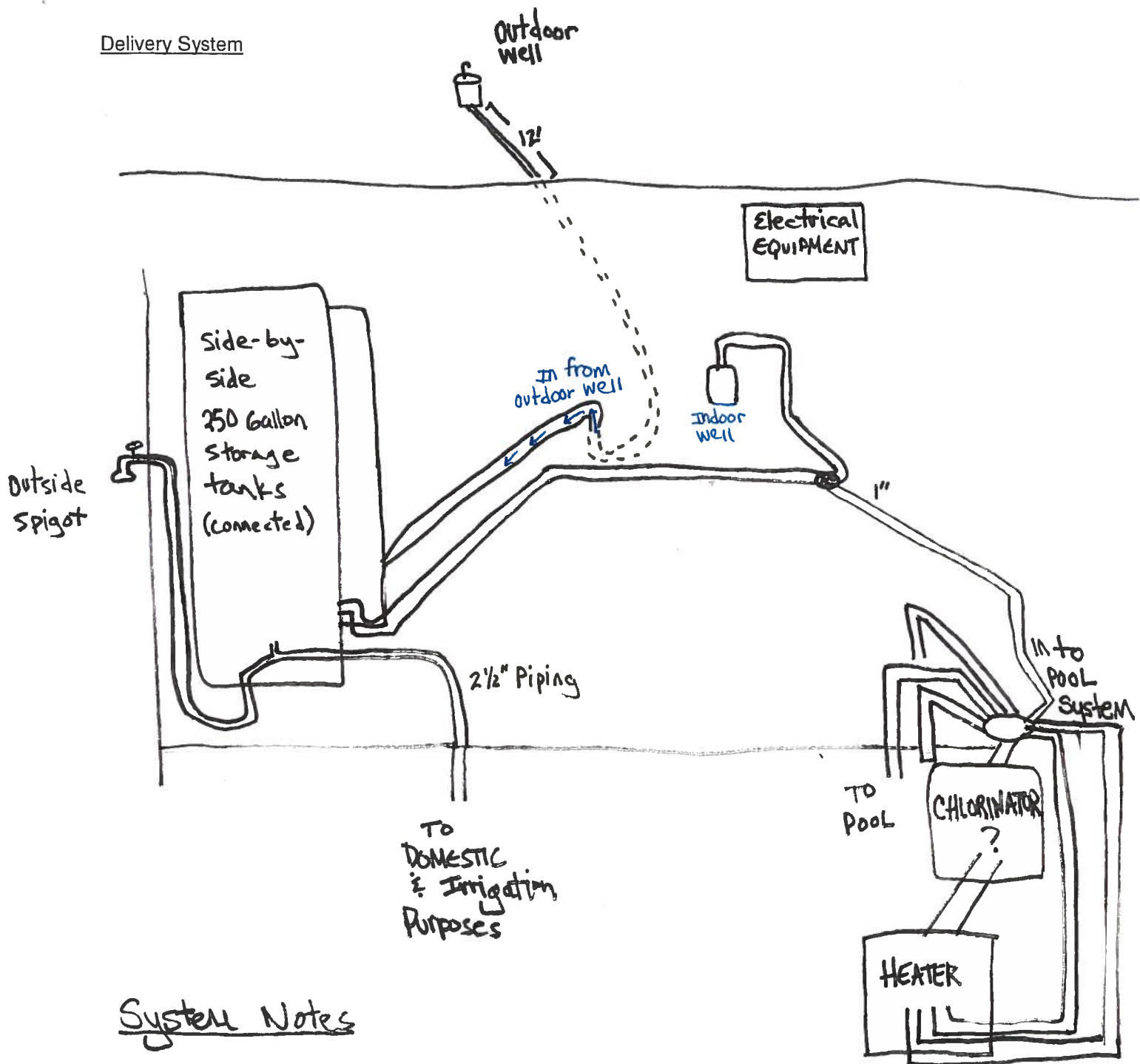
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

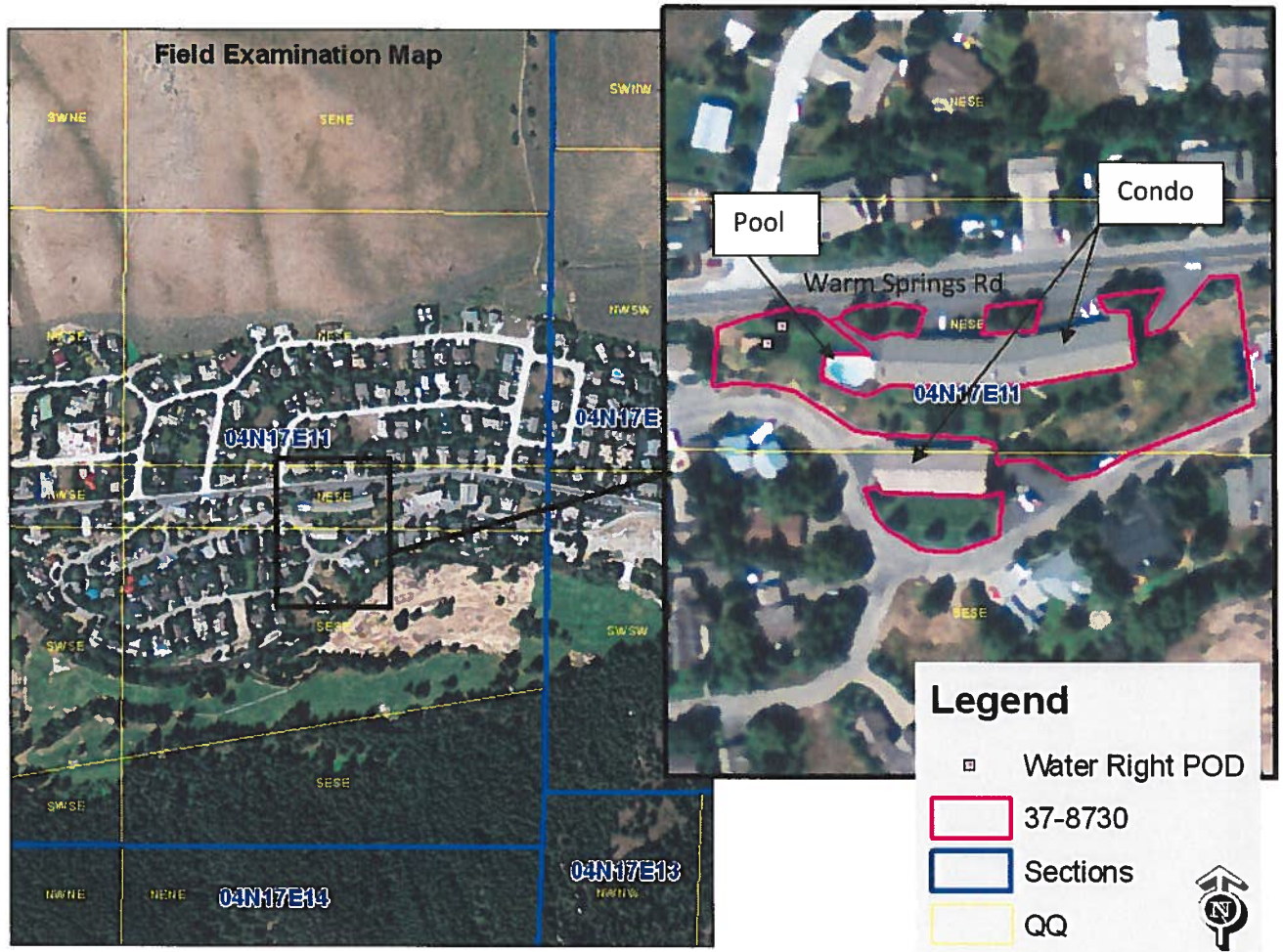
Field Examiner's Name Cherie Palmer Date 6/1/12

Reviewer _____ Date _____

Delivery SystemSystem Notes

- It's unclear how the pool system works. Kim Coonis isn't familiar with the system. However, the limiting factor on the pool system ^{appears} to be the pipe size that goes from the indoor well to the system.

Map/Aerial Imagery



Photos



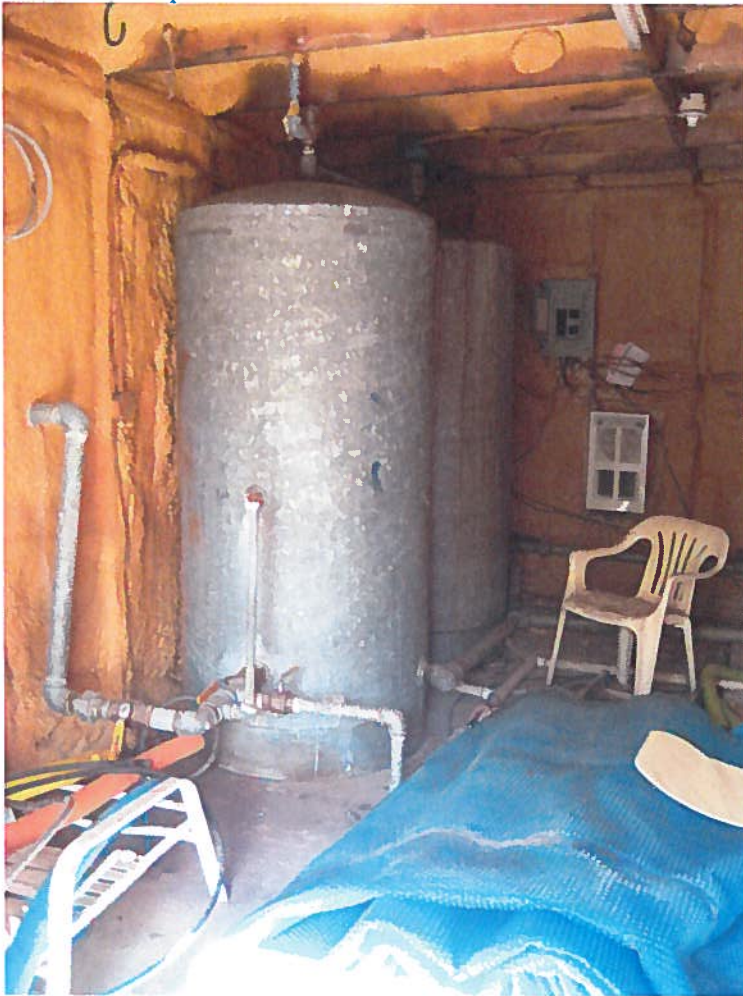
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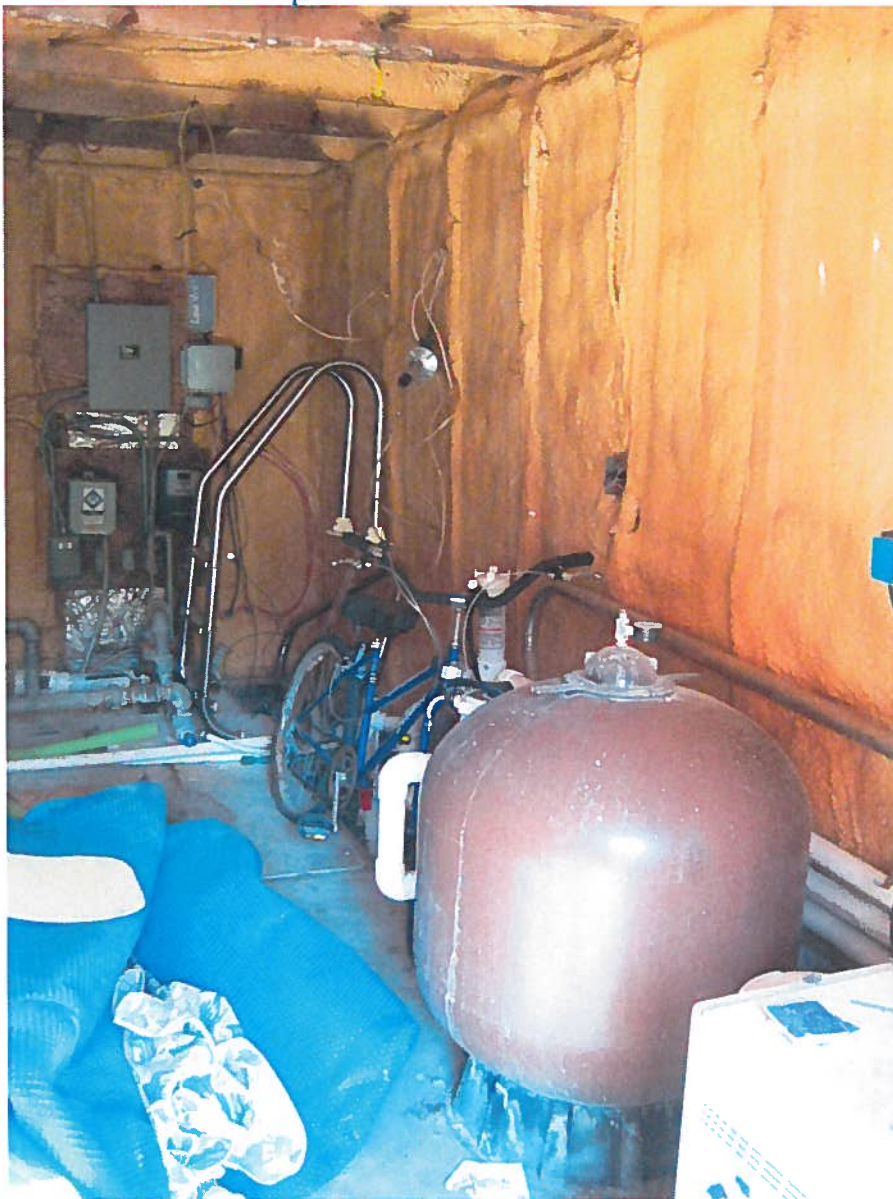
WELL TAG A0004251



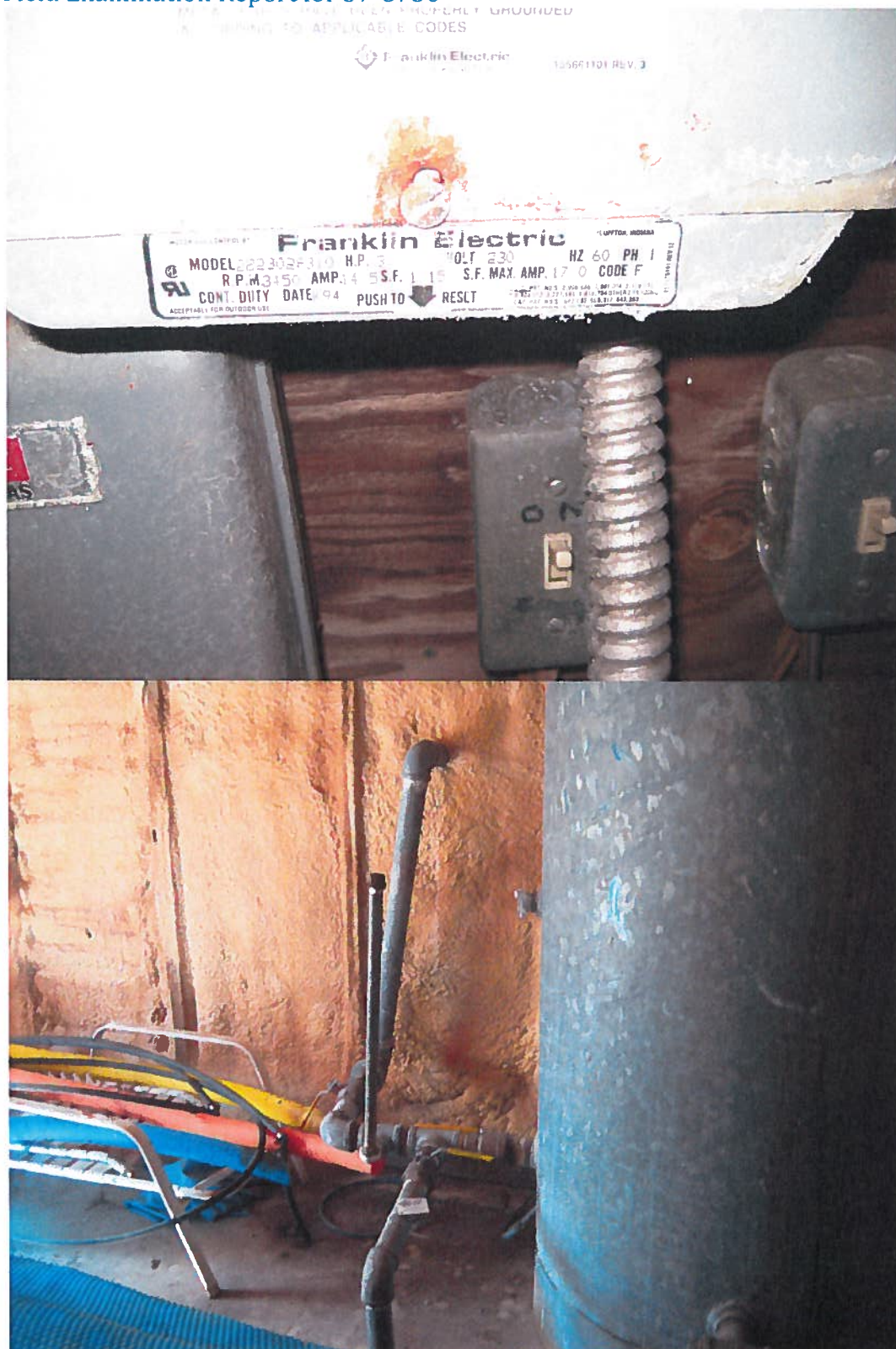
CONNECTION
FOR THE
POOL
1"



2- 250 GALLON
STORAGE TANKS



← POOL EQUIPMENT





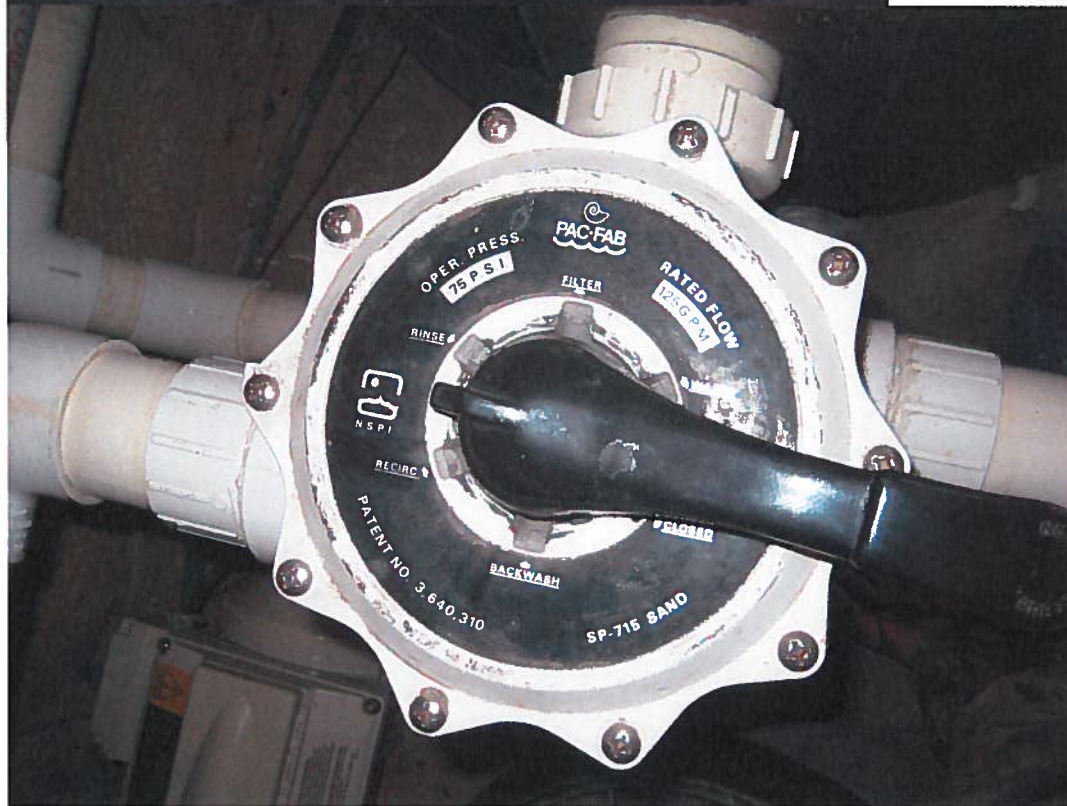
STORAGE TANKS
ARE TIED
TOGETHER



POOL EQUIPMENT



POOL HEATER



POOL
CONTROLLING
WORKS





POOL PRESSURE
READING



WELL
HOUSE



← POOL IS
LOCATED w/i
this fence



Lawn and
Landscaping



CONDOS

**720-204-3660**

M-F: 8am-5pm MST

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product name, keyword, brand, etc.

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Franklin
Control Box, 3HP, 230V,
1Phase

Model: 2823028310 SKU: 401499

Average Rating: n/a

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0

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TYPE	Submersible
ITEM	Motor and Pump Control Box
MOTOR/PUMP HP	3
PHASE	1
VOLTAGE	230
AMPS	17
ENCLOSURE TYPE	3R
HEIGHT (IN.)	9-5/16
WIDTH (IN.)	8
DEPTH (IN.)	5-13/16
CONTROL BOX TYPE	Deluxe CSCR
MOUNTING	Pole or Wall
ACCEPTS	Up to #2 AWG Wire
WEIGHT	7.250000 lbs
SKUS	1LZW3

DESCRIPTION

- Submersible Motor and Pump Control Boxes
- These type 3R enclosures include starting and running capacitors and have prepunched holes for pole or wall mounting, indoors or outdoors. Easy wiring, box-type terminal lugs accept up to #10 AWG wire on 1/3 to 1 HP boxes and up to #2 AWG wire on 1-1/2 to 10 HP boxes. All boxes are recommended for water systems that



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VIP4E02 - 1HP Sta-Rite Submersible Motor Control Box


[larger image](#)
~~\$184.00~~ **\$91.25**

 Model: **VIP4E02**

 Condition: **New In Box**

 Shipping Weight: **6lbs**

 Manufactured by: **Sta-Rite**

 Product Availability: **In Stock**

Quantity:

1

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What our customers say..

"Just want to thank you for excellent response and delivery of pump I ordered... will certainly recommend you to anyone looking for your products... thanks"

"Thank you so much for your help on the phone and for the fastest shipping response I have ever had, period. Thanks again I look forward to working on installing the new pump and motor when they get here."

"Service was great, pump was exact replacement, and received it within a week. Would recommend you highly. Thank you."

1HP Sta-rite Submersible Motor Control Box

Single Phase / 230V

These control boxes are designed for use with Franklin 3-wire single-phase submersible motors. Recommended for water systems that use pressure switches, level switches or other pivot devices.

- Suitable for outdoor mounting
- Capacitor Start / Capacitor Run Design
- UL Listed for US and Canada (60 Hz models)



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Overlap Analysis for 37-8730, Limelight Condominiums

Type	WR #	Owner	Source	TRS	NESE	Significant n/y?
Right	37 12991	BRIEN S WYGLE,	GROUND WATER	04N17E11	X	N- w/i Warm Spring Valley Sub
Right	37 7059	ANDREAS SCHERNTHANNER,	GROUND WATER	04N17E11	5	N-for 25 homes
Right	37 7104	ANDREAS SCHERNTHANNER, ALICE E SCHERNTHANNER,	GROUND WATER	04N17E11	X	N-for 25 homes
Right	37 11690	HEINZ SCHLOSSER,	GROUND WATER	04N17E11	X	N-w/i Warm Springs Sub
Right	37 12823	NANCY HONGOLA,	GROUND WATER	04N17E11	X	N-w/i Warm Springs Valley Sub
Right	37 12536	STEPHEN BUTLER,	GROUND WATER	04N17E11	X	N-w/i Warm Springs Valley Sub
Right	37 11679	CLEVE JOHNSON, ANDY K JOHNSON,	GROUND WATER	04N17E11	X	N-w/i Warm Springs Valley Sub
Right	37 11655	DEBBIE K MASSIE,	GROUND WATER	04N17E11	X	N-w/i Warm Springs Valley Sub
Right	37 8730	LIMELIGHT CONDOMINIUMS INC,	GROUND WATER	04N17E11	1	

Conclusion: There are no water rights that cover the Limelight Condos other than 37-8730. No other water rights are served by the PDs.

THE LIMELIGHT CONDOMINIUMS

PAGE 1 OF 5

SEC. 11, T4N, R17E, B.M.

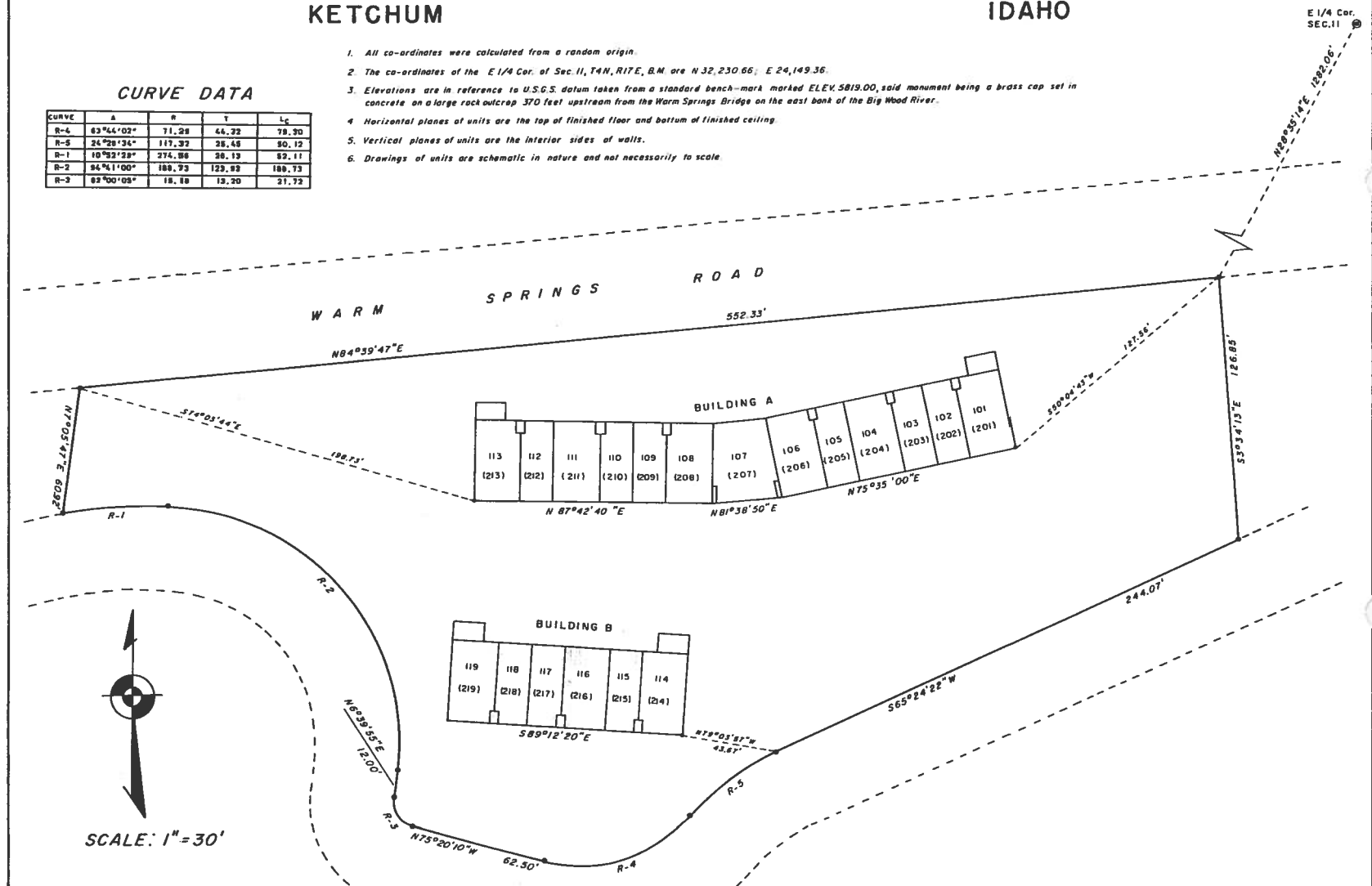
KETCHUM

IDAHO

CURVE DATA

CURVE	A	R	T	Lc
R-4	83°44'02"	71.28	44.32	78.30
R-5	24°28'36"	117.32	28.48	80.12
R-1	10°52'23"	274.86	28.13	82.11
R-2	84°51'00"	188.93	123.93	188.73
R-3	83°00'08"	18.18	12.20	21.72

1. All co-ordinates were calculated from a random origin.
2. The co-ordinates of the E 1/4 Cor. of Sec. 11, T4N, R17E, B.M. are N 32,230.66; E 24,149.36.
3. Elevations are in reference to U.S.G.S. datum taken from a standard bench-mark marked ELEV. 5819.00, said monument being a brass cap set in concrete on a large rock outcrop 370 feet upstream from the Warm Springs Bridge on the east bank of the Big Wood River.
4. Horizontal planes of units are the top of finished floor and bottom of finished ceiling.
5. Vertical planes of units are the interior sides of walls.
6. Drawings of units are schematic in nature and not necessarily to scale.



Imperial Plot Consulting L.L.C. Page 5A

RPK08500000000	LIMELIGHT CONDO OWNERS		BOX	KETCHUM ID 83340-0000			LIMELIGHT CONDOS	COMMON AREA	SEC 11, 4N 17E
RPK08500001010	ZIBELL ROBERT W		1007 S 12TH ST E	MENOMONIE WI 54751- 0000		2107 WARM SPRINGS RD 101	LIMELIGHT CONDO	UNIT 101 BLDG A	SEC 11 4N 17E .03144
RPK08500001020	BACHAR JOHN M TRUSTEE	BACHAR YVONNE A TRUSTEE	6067 W 75TH PL	LOS ANGELES CA 90045-0000		2107 WARM SPRINGS RD 102	LIMELIGHT CONDO	UNIT 102 BLDG A	SEC 11 4N 17E .02192
RPK08500001030	COLE STEVE	COLE REBECCA	PO BOX 1193	SUN VALLEY ID 83353- 0000		2107 WARM SPRINGS RD 103	LIMELIGHT CONDO	UNIT 103 BLDG A	SEC 11 4N 17E .02192
RPK08500001040	RATLIFF DANIEL W		PO BOX 1163	KETCHUM ID 83340-0000		2107 WARM SPRINGS RD 104	LIMELIGHT CONDO	UNIT 104 BLDG A	.03171
RPK08500001050	STEINBERG NICKI		PO BOX 749	SUN VALLEY ID 83353- 0000		2107 WARM SPRINGS RD 105	LIMELIGHT CONDO	UNIT 105 BLDG A	SEC 11 4N 17E .02192
RPK08500001060	MURPHY DANIEL P	MURPHY LENORA J	4899 COOL SPRINGS DR.	RENO NV 89509-0000		2107 WARM SPRINGS RD 106	LIMELIGHT CONDO	UNIT 106 BLDG A	SEC 11 4N 17E .03144
RPK08500001070	LIMELIGHT CONDO THE		PO BOX 1312	KETCHUM ID 83340-0000		2107 WARM SPRINGS RD 107	LIMELIGHT CONDO	UNIT 107 BLDG A	OFFICE AND MGR APT
RPK08500001080	BATES KIMBERLY		PO BOX 734	SUN VALLEY ID 83353- 0000		2107 WARM SPRINGS RD 108	LIMELIGHT CONDO	UNIT 108 BLDG A	SEC 11 4N 17E .03144
RPK08500001090	LAST RESORT HOLDINGS LLC		PO BOX 82738	KENMORE WA 98028- 0000		2107 WARM SPRINGS RD 109	LIMELIGHT CONDO	UNIT 109 BLDG A	SEC 11 4N 17E .02192
RPK08500001100	DOVGIN ROBERT F	MINER HELEN K	PO BOX 4055	KETCHUM ID 83340-0000		2107 WARM SPRINGS RD 110	LIMELIGHT CONDO	UNIT 110 BLDG A	SEC 11 4N 17E .02192
RPK08500001110	HERMANN THOMAS W		6244 NORTH EAST 182ND STREET	KENMORE WA 98028- 0000		2107 WARM SPRINGS RD 111	LIMELIGHT CONDO	UNIT 111 BLDG A	SEC 11 4N 17E .03171
RPK08500001120	SOLLER SUSAN J		3200 SW ALKI AVE UNIT 401	SEATTLE WA 98116-0000		2107 WARM SPRINGS RD 112	LIMELIGHT CONDO	UNIT 112 BLDG A	SEC 11 4N 17E .02192
RPK08500001130	WITTE HAROLD W	WITTE HEDWIG D	CMR 409 BOX 109	APO 09053- 0000		2107 WARM SPRINGS RD 113	LIMELIGHT CONDO	UNIT 113 BLDG A	SEC 11 4N 17E .03144
RPK08500001140	WEST RICHARD E		PO BOX 3933	KETCHUM ID 83340-0000		318 BALD MOUNTAIN RD 114	LIMELIGHT CONDO	UNIT 114 BLDG B	SEC 11 4N 17E .03144
RPK08500001150	REDFERN ROBERT C	REDFERN BERTILIA L	PO BOX 1521	HAILEY ID 83333-0000		318 BALD MOUNTAIN RD 115	LIMELIGHT CONDO	UNIT 115 BLDG B	SEC 11 4N 17E .02192
RPK08500001160	MAGEE JAMES P	MAGEE KATHLEEN S	679 N BEAU CHENE DR	MANDEVILLE LA 70471- 0000		318 BALD MOUNTAIN RD 116	LIMELIGHT CONDO	UNIT 116 BLDG B	SEC 11 4N 17E .02192
RPK08500001170	COLLINGWOOD REED P		PO BOX 1347	BELLEVUE WA 98009- 0000		318 BALD MOUNTAIN RD 117	LIMELIGHT CONDO	UNIT 117 BLDG B	SEC 11 4N 17E .03171
RPK08500001180	GLENN NANCY	KELLER DON	2515 HEIGHT DR	BOISE ID 83702-0000		318 BALD MOUNTAIN RD 118	LIMELIGHT CONDO	UNIT 118 BLDG B	SEC 11 4N 17E .02192

RPK08500001190	JONES MERRILL R	JONES DIANE	PO BOX 8522	BOISE ID 83707-0000		318 BALD MOUNTAIN RD 119	LIMELIGHT CONDO	UNIT 119 BLDG B	SEC 11 4N 17E .03144
RPK08500002010	BARTLESON ROBERT H		PO BOX 5885	KETCHUM ID 83340-0000		2107 WARM SPRINGS RD 201	LIMELIGHT CONDO	UNIT 201 BLDG A	SEC 11 4N 17E .03144
RPK08500002020	KUHNLE KAYLEE C		PO BOX 4252	KETCHUM ID 83340-0000		2107 WARM SPRINGS RD 202	LIMELIGHT CONDO	UNIT 202 BLDG A	SEC 11 4N 17E .02192
RPK08500002030	WRIGHT GARY L.	WRIGHT KATHERINE	1007 WEST HIGHLAND VIEW DRIVE	BOISE ID 83702-0000		2107 WARM SPRINGS RD 203	LIMELIGHT CONDO	UNIT 203 BLDG A	SEC 11 4N 17E .02192
RPK08500002040	PARKER CLARK T	PARKER DIANNE	PO BOX 5188	KETCHUM ID 83353-0000		2107 WARM SPRINGS RD 204	LIMELIGHT CONDO	UNIT 204 BLDG A	SEC 11 4N 17E .03171
RPK08500002050	KENNEDY SUSAN		140 STONE HILL RD	JERICO VT 05465-4417		2107 WARM SPRINGS RD 205	LIMELIGHT CONDO	UNIT 205 BLDG A	SEC 11 4N 17E .02192
RPK08500002060	NOBLE CHARLIE R	NOBLE ELLEN M	PO BOX 6374	KETCHUM ID 83340-0000		2107 WARM SPRINGS RD 206	LIMELIGHT CONDO	UNIT 206 BLDG A	SEC 11 4N 17E .03144
RPK08500002070	RUSH MARY BERNADETTE	MC NABB PATRICIA ANN	11625 NE 95TH	KIRKLAND WA 98033-0000		2107 WARM SPRINGS RD 207	LIMELIGHT CONDO	UNIT 207 BLDG A .03790	SEC 11 4N 17E
RPK08500002080	MILLER BRADLEY E		312 N 76TH ST APT 201	SEATTLE WA 98103-4658		2107 WARM SPRINGS RD 208	LIMELIGHT CONDO	UNIT 208 BLDG A	SEC 11 4N 17E .03144
RPK08500002090	FREEMAN NANCY SUE		4418 SW 54TH AVE	SEATTLE WA 98116-0000		2107 WARM SPRINGS RD 209	LIMELIGHT CONDO	UNIT 209 BLDG A	SEC 11 4N 17E .02192
RPK08500002100	ROLL WALTER K	ROLL VICKI	5020 FRAZIER DR	POST FALLS ID 83854-0000		2107 WARM SPRINGS RD 210	LIMELIGHT CONDO	UNIT 210 BLDG A	SEC 11 4N 17E .02192
RPK08500002110	MOFFAT ROBERT J	NILSEN KARINA TRUSTEES	640 GIRALDA DR	LOS ALTOS CA 94024-3825		2107 WARM SPRINGS RD 211	LIMELIGHT CONDO	UNIT 211 BLDG A	SEC 11 4N 17E .03171
RPK08500002120	WILSON JOHN DOCHERTY	WILSON AMANDA CATO	PO BOX 67	SEABECK WA 98380-0067		2107 WARM SPRINGS RD 212	LIMELIGHT CONDO	UNIT 212 BLDG A	SEC 11 4N 17E .02192
RPK08500002130	WILSON JOHN DOCHERTY	WILSON AMANDA CATO	PO BOX 67	SEABECK WA 98380-0067		2107 WARM SPRINGS RD 213	LIMELIGHT CONDO	UNIT 213 BLDG A	SEC 11 4N 17E .03144
RPK08500002140	FIELD ROLAND B TRUSTEE	ROLAND B FIELD SEPARATE PROPERTY TRUST	PO BOX 1127	SUN VALLEY ID 83353-0000		318 BALD MOUNTAIN RD 214	LIMELIGHT CONDO	UNIT 214 BLDG B	.03144
RPK08500002150	D'ANDREA DOUGLAS D		PO BOX 6087	KETCHUM ID 83340-0000		318 BALD MOUNTAIN RD 215	LIMELIGHT CONDO	UNIT 215 BLDG B	SEC 11 4N 17E .02192
RPK08500002160	ROEHL ROBERT MAX		3312 AGATE COURT	BOISE ID 83705-0000		318 BALD MOUNTAIN RD 216	LIMELIGHT CONDO	UNIT 216 BLDG B	SEC 11 4N 17E .02192
RPK08500002170	LIGHTBODY ROY		PO BOX 3707	KETCHUM ID 83340-0000		318 BALD MOUNTAIN RD 217	LIMELIGHT CONDO	UNIT 217 BLDG B	SEC 11 4N 17E .03171
						318 BALD		UNIT	

RPK08500002180	SCHRODER GABRIEL M		PO BOX 5294	KETCHUM ID 83340-5294		MOUNTAIN RD 218	LIMELIGHT CONDO	218 BLDG B	SEC 11 4N 17E .02192
RPK08500002190	HI SUN LLC		C/O STEVE L CHING	5773 HALEOLOA ST	HONOLULU HI 96821- 0000	318 BALD MOUNTAIN RD 219	LIMELIGHT CONDO	UNIT 219 BLDG B	SEC 11 4N 17E .03144

28 condos