

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

Department of Water Resources

JAN 20 1989

A. GENERAL INFORMATION

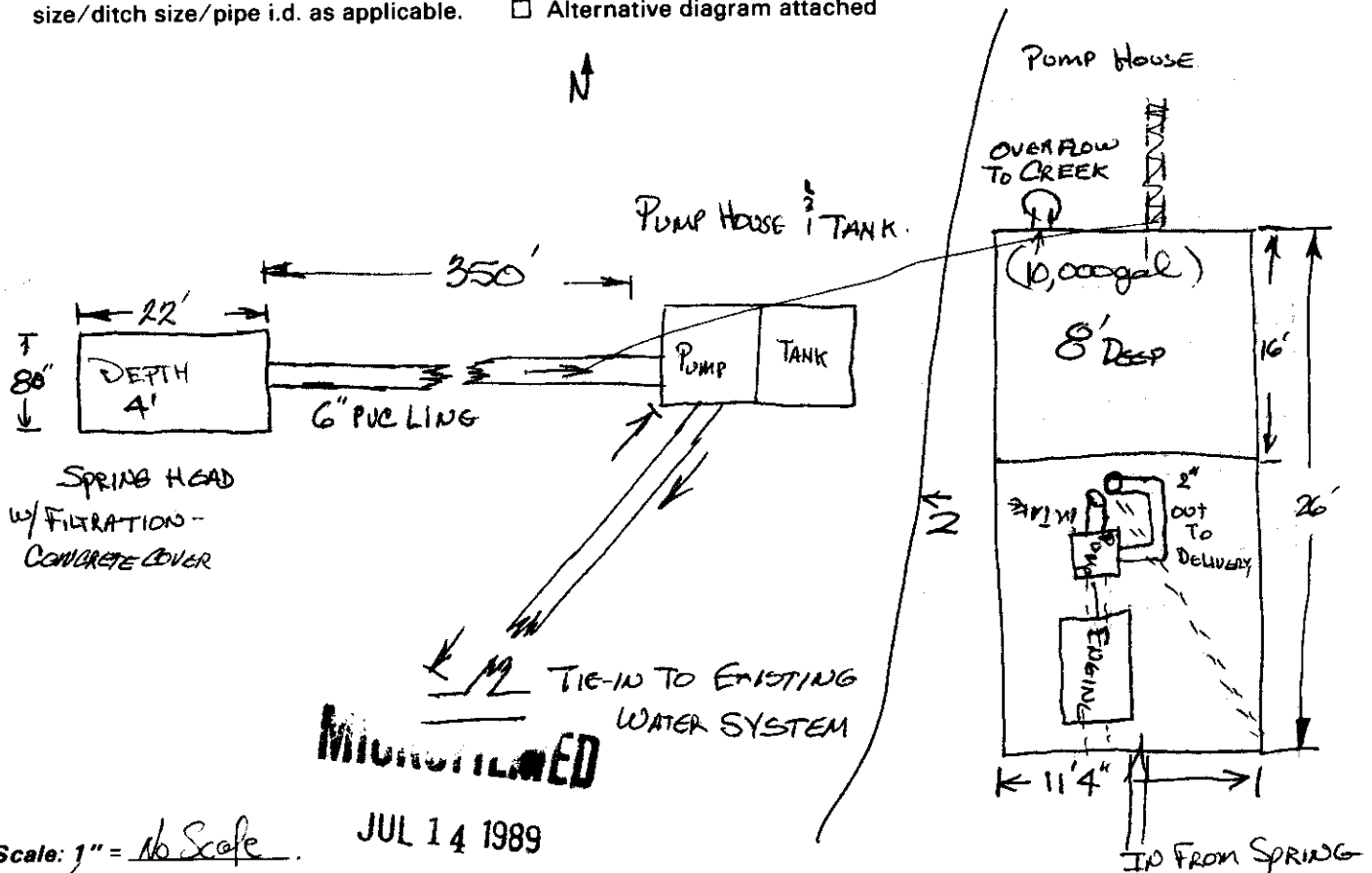
1. Owner: PACK SADDLE DEVELOPMENT CORP. Permit No. 22-7357
Current Address: TETONIA, IDAHO, 83452 Phone No. 456-2236
2. Accompanied by: Mrs. B. BAINBRIDGE EXAM. DATE: 6-AUG-1987
Address: TETONIA, IDAHO 83452 Phone No. 456-2236
Relationship to Permit Holder: OWNER
3. Source: SPRING tributary to PACK SADDLE CREEK

B. OVERLAP REVIEW

1. Other water rights with same place of use: 22-7041 / 7358 ☐ Copies Attached
2. Other water rights with same point of diversion: NONE ☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☐ Alternative diagram attached



Scale: 1" = No Scale

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2. ☒ Copy of U.S.G.S. Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required). ☐ Aerial Photo Attached (required for irrigation of 10 acres or more).
☒ Photo of Diversion and System Attached (required for all but single household domestic groundwater, and stockwater).

System Description (continued)

3. Narrative: Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

APPLICANT HAS DEVELOPED SPRING W/ A 600 gal. Spring collection box w/ filter. WATER IS gravity fed to 350' into a ~~10,000~~ gal, concrete storage tank. Excess flow runs into Park Saddle Creek. From tank, a diesel engine w/ pump sends water up-hill to subdivision water system. Sub-division system also includes groundwater licenses 22-7041 & 22-7358.

This spring was developed to supplement these wells.

☒ See Remarks on page 4 for continuation

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	^{DIESEL} DEUTZ	80	5703761	CARDWELL	35 809 10

*Code to correspond with No. on map and aerial photo

5. Point(s) of Diversion:

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
		SW	SW	NE	8	5N	44E	TETON	USGS/ON SITE INSP.

6. Place(s) of Use: PARK SADDLE ESTATES, TETON COUNTY Indicate Method of Determination USGS, ON-SITE

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
5N	44E	8	D				D	D							D	D	D	D	

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Do not use this space

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
5 gal Bucket /						
STOPWATCH						

2. Measurements:

ENGINE HP = 80 / PSI = 50
H = (From USGS QUAD) = 240' lift.
5 gallons / 8 seconds (Done 3 times) No pump on = 0.08 cfs
with 5 gallon bucket + stopwatch 4-29-88 HWT

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method:

$$\text{THEORETICAL} = \frac{(HP)(8.814)(E)}{(H) + P(2.308)} = \frac{(80)(8.814)(.8)}{(240) + 50(2.308)} = 1.59 \text{ cfs Pump Capacity}$$

2. Alternate Method for Checking Purposes:

~~Allow 0.12 cfs per permit.~~
Q LIMITED TO CAPACITY OF SPRING @ 0.08 cfs

F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: _____ psi x 2.31 = _____ ft (1); Dynamic pumping level: _____ ft (2)

Total Head: (1) + (2) = _____ (3) ; Flow rate: _____ cfs (4)

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N/ _____ T = _____ (6)

Meter Input HP: (6) x 1.34 = _____ (7)

Panel Input KW: _____ Ave PF x _____ Ave Volts x _____ Ave Amps x .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$ _____

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

2. Volume Calculations for Other Uses:

Allow 0.6 A cft / year / lot -

$$(87 \text{ lots})(0.6 \text{ Aft}) = 52.2 \text{ AFA}$$

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H. REMARKS AND OVERLAP REVIEW ANALYSIS

ALL LOTS IN SUBDIVISION HAVE WATER LINES STUBED IN.
THERE ARE 87 LOTS W/ SUBDIVISIONS. AT TIME OF EXAM
THERE WERE 21 HOMES BUILT W/ SUBDIVISIONS.

THIS SYSTEM IS USED MAINLY WINTER FALL, WINTER AND SPRING.
THE DURING SUMMER MONTHS SPRING FLOW REDUCES
WELLS ARE USED ~~THE~~ SUPPLY BALANCE OF WATER.

IRRIGATION WOULD INCLUDE < 0.5 / ACRE / LOT. INCLUDED W/
DOMESTIC USE.

IF NECESSARY WATER MASTER CAN PADDLE LOCK PUMP SHED. HOWEVER
SPRING GENERALLY RUNS DRY DURING IRRIG. SEASON. PROBABLY SHOULD
NOT NEED REGULATION MOST YEARS.

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Domestic (87 UNITS)	~~0/1~~	~~2/31~~		52.2 cfs
	1/1	4/30	0.08	
	7/1	8/31	0.02	
	9/1	12/31	0.08	
	Totals:		0.08	52.2 cfs

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

J. AUTHENTICATION

Field Examiner's Name

ERIC S. VERNER

Signature

[Signature]

Certification Date

21 AUG 1987

Field Report Preparation Date

21-AUG-1987

CONSULTANT SEAL

[Signature]
10-Jan-1988

K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.

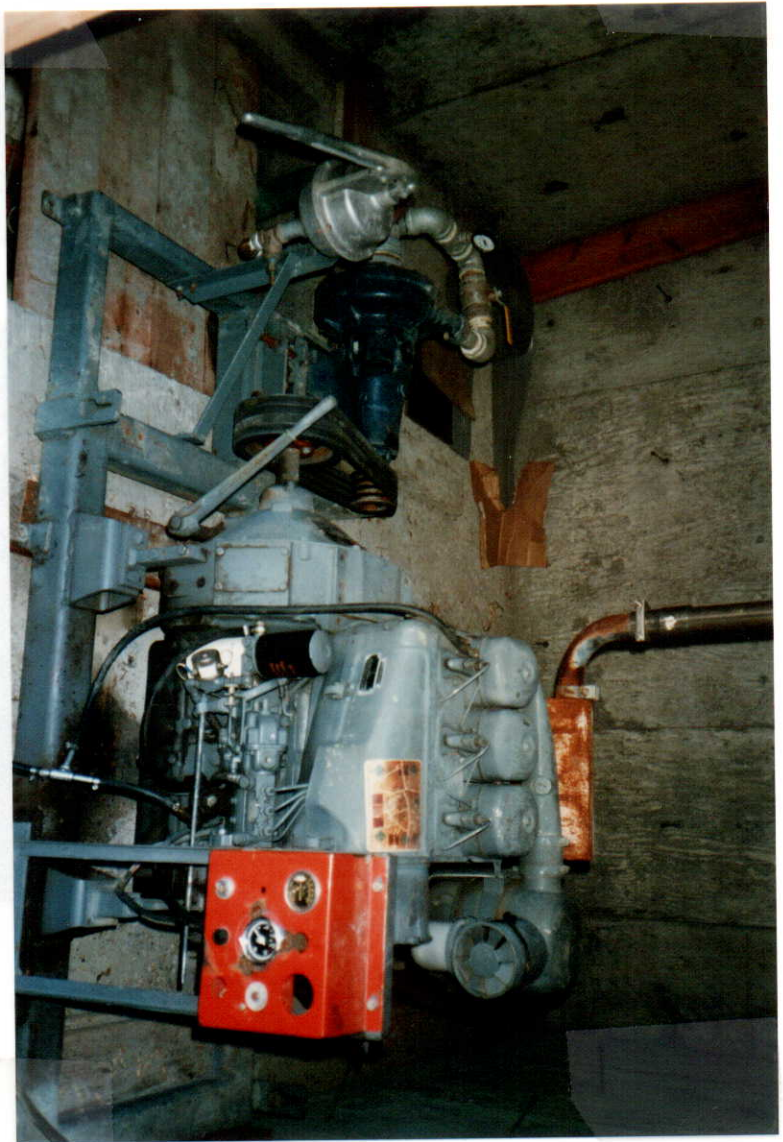
reviewed: Roxanne McFarthy 7/2/89

RECORDED

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22-7357
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22-7357

T6N
T5N

T5N

R44E

22-7357

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GARNS MTN. 1:62 500)
3771 III

SCALE 1:24 000

0 100 3000 4000 5000 6000 7000 FEET

823.47
82.390
824.55

R44E

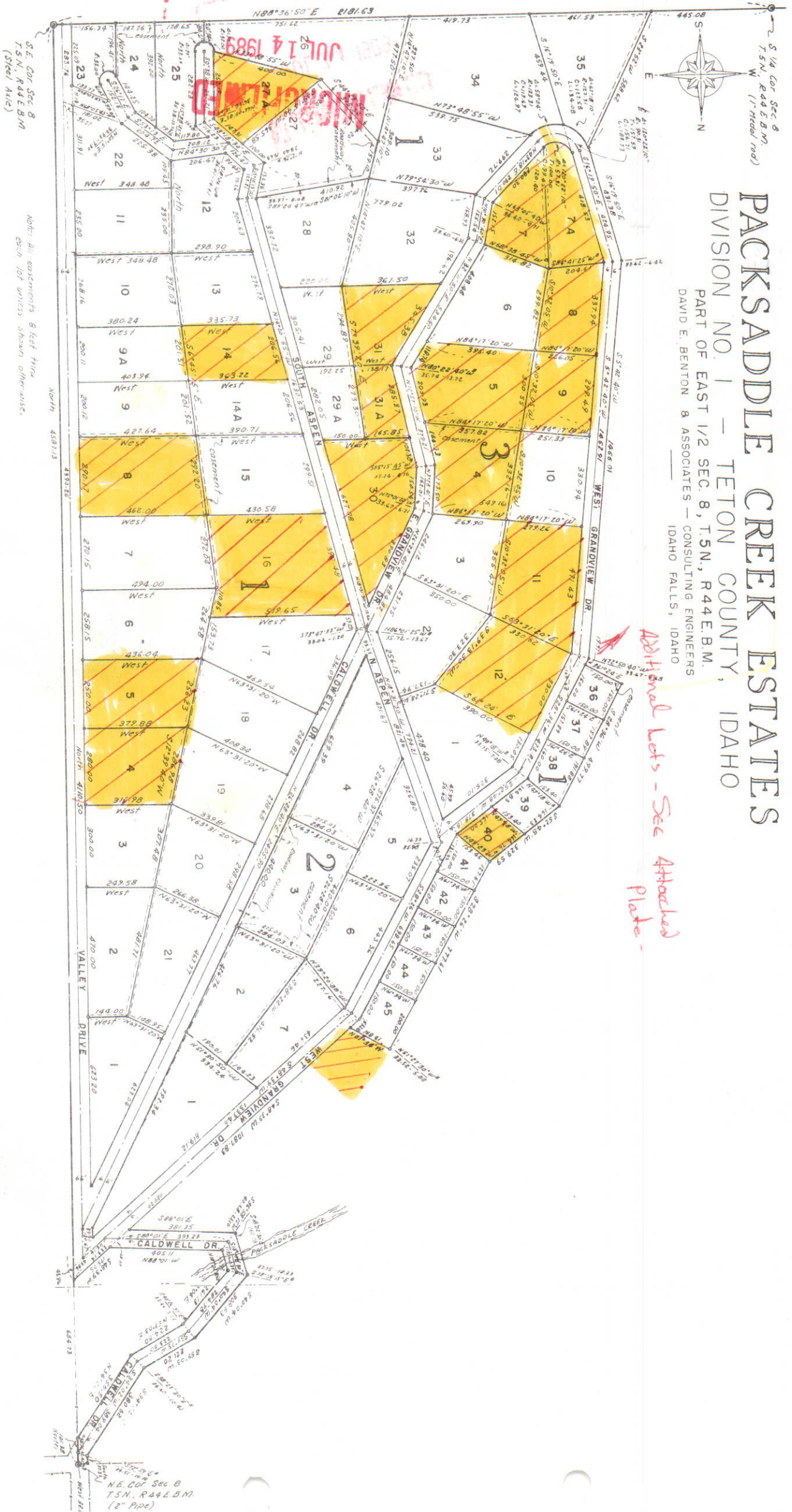
ROAD CLASSIFICATION

Medium-duty Light-duty

PART OF EAST 1/2 SEC. 8, 13N., R44E.D.M.
DAVID E. BENTON & ASSOCIATES — CONSULTING ENGINEERS
IDAHO FALLS, IDAHO

IDAHO FALLS, IDAHO

Additional Lots - See Attached Plate



PACKSADDLE CREEK ESTATES

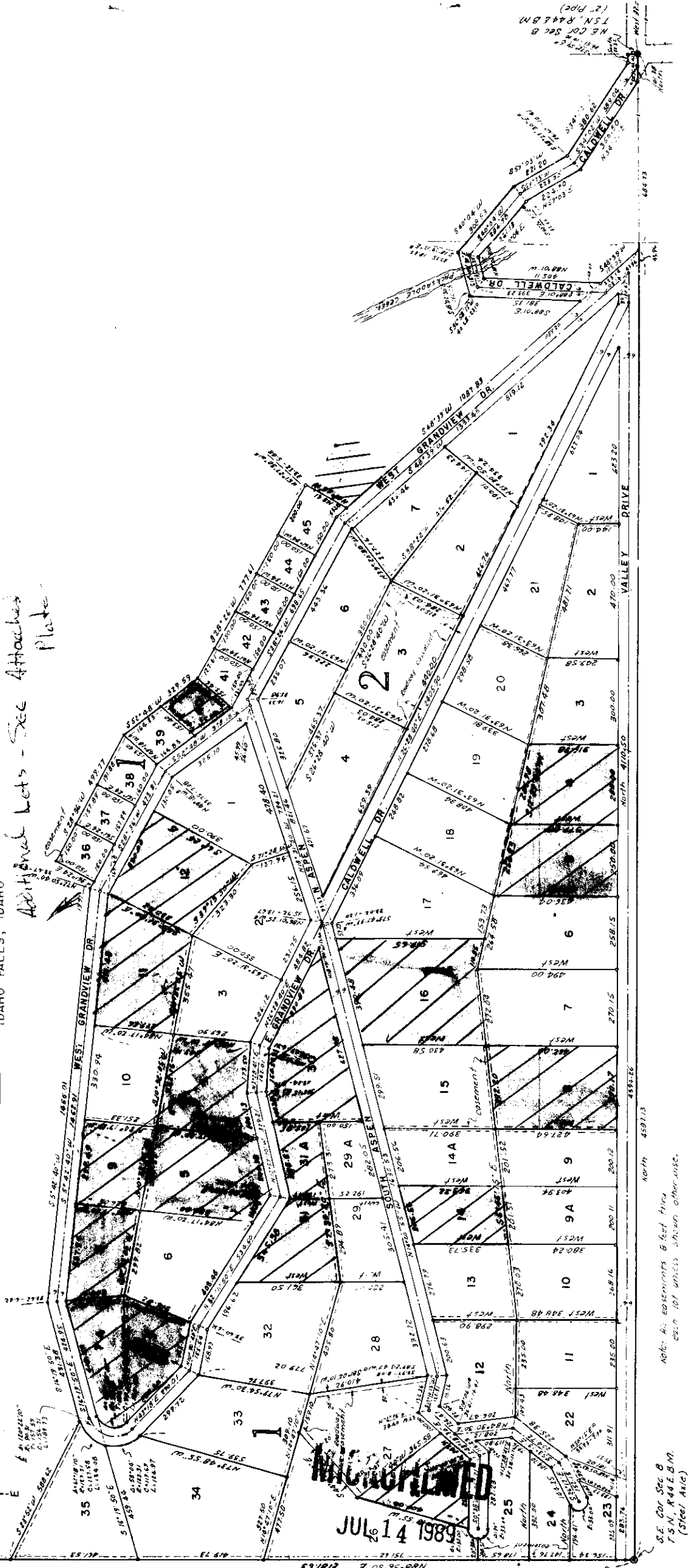
DIVISION NO. 1 - TETON COUNTY, IDAHO

PART OF EAST 1/2 SEC. 8, T.5N., R.44E.B.M.
DAVID E. BENTON & ASSOCIATES - CONSULTING ENGINEERS

IDAHO FALLS, IDAHO

Additional Lots - See Attached Plate

S 1/4 Cor. Sec. 8
T.5N., R.44E.B.M.
W 1/4 (1" metal rod)



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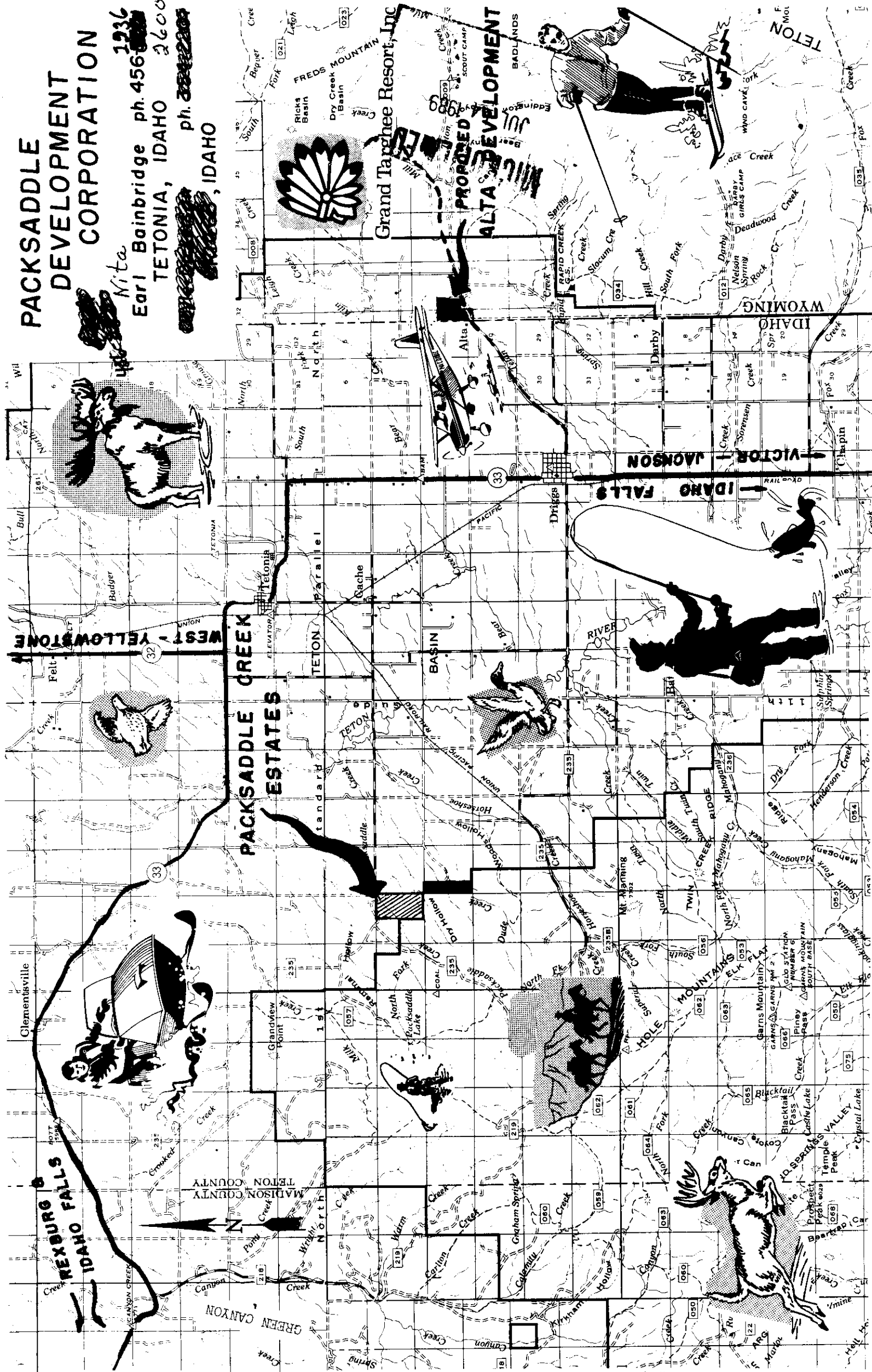
NOTE: ALL DIMENSIONS & LOT AREA
BASED ON 100' UNITS SHOWN OTHERWISE.

S.E. COR. SEC. 8
T.5N., R.44E.B.M.
(Steel Axis)

157mm

PACKSADDLE DEVELOPMENT CORPORATION

Nita 1236
Earl Bainbridge ph. 456-
TETONIA, IDAHO 2600
ph. 288-2204
IDAHO



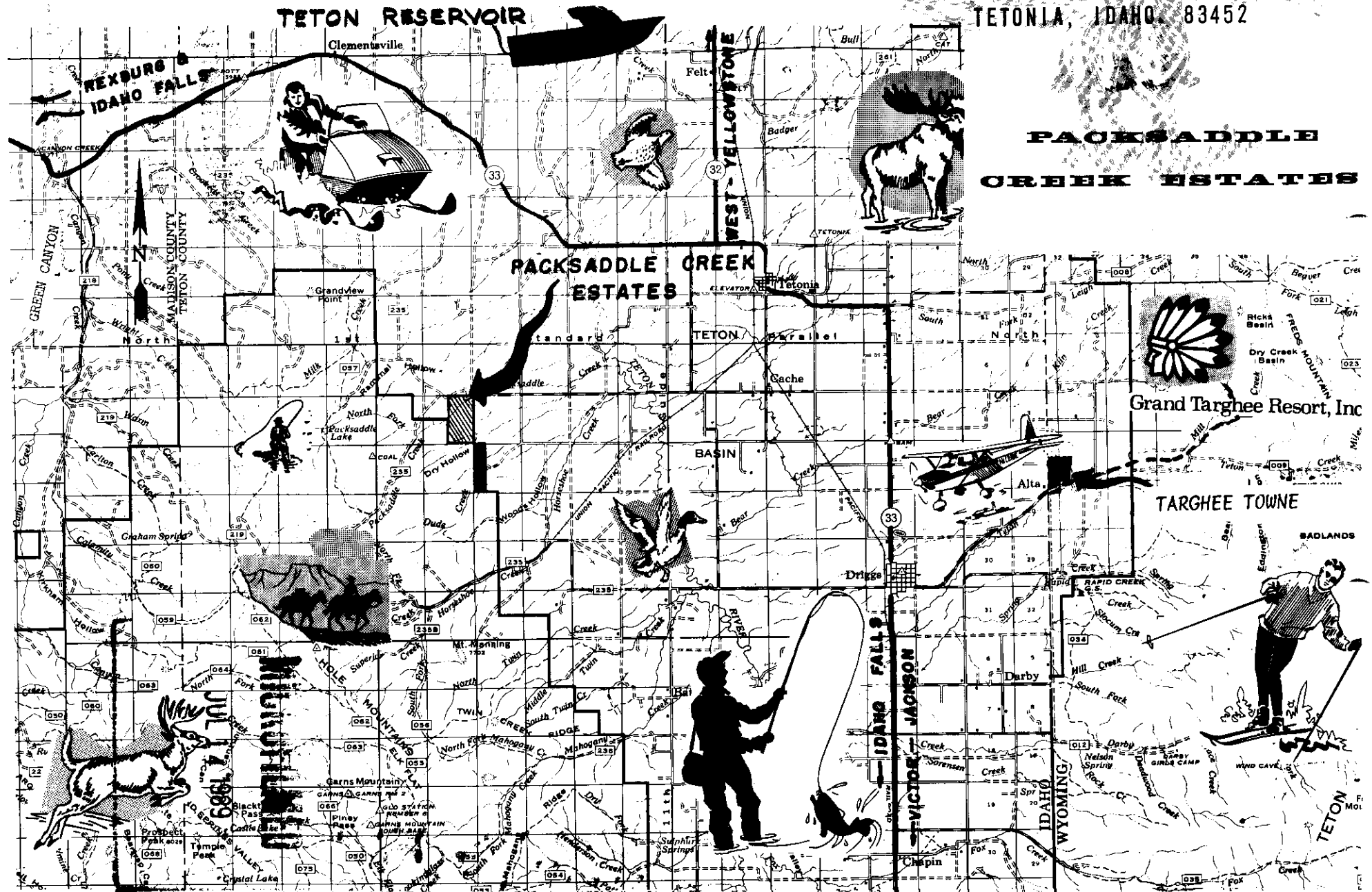
EARL BAINBRIDGE - Phone 456-5331

DALE BAINBRIDGE - Phone 456-6972

P. O. BOX 86

TETONIA, IDAHO 83452

TETON RESERVOIR



PACKSADDLE

CREEK ESTATES

Grand Targhee Resort, Inc

TARGHEE TOWNE