

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.

Scale: 1" = _____

____ Copy of USGS 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)

☒ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	Marathon Elec.	10		Berkley	G250191

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

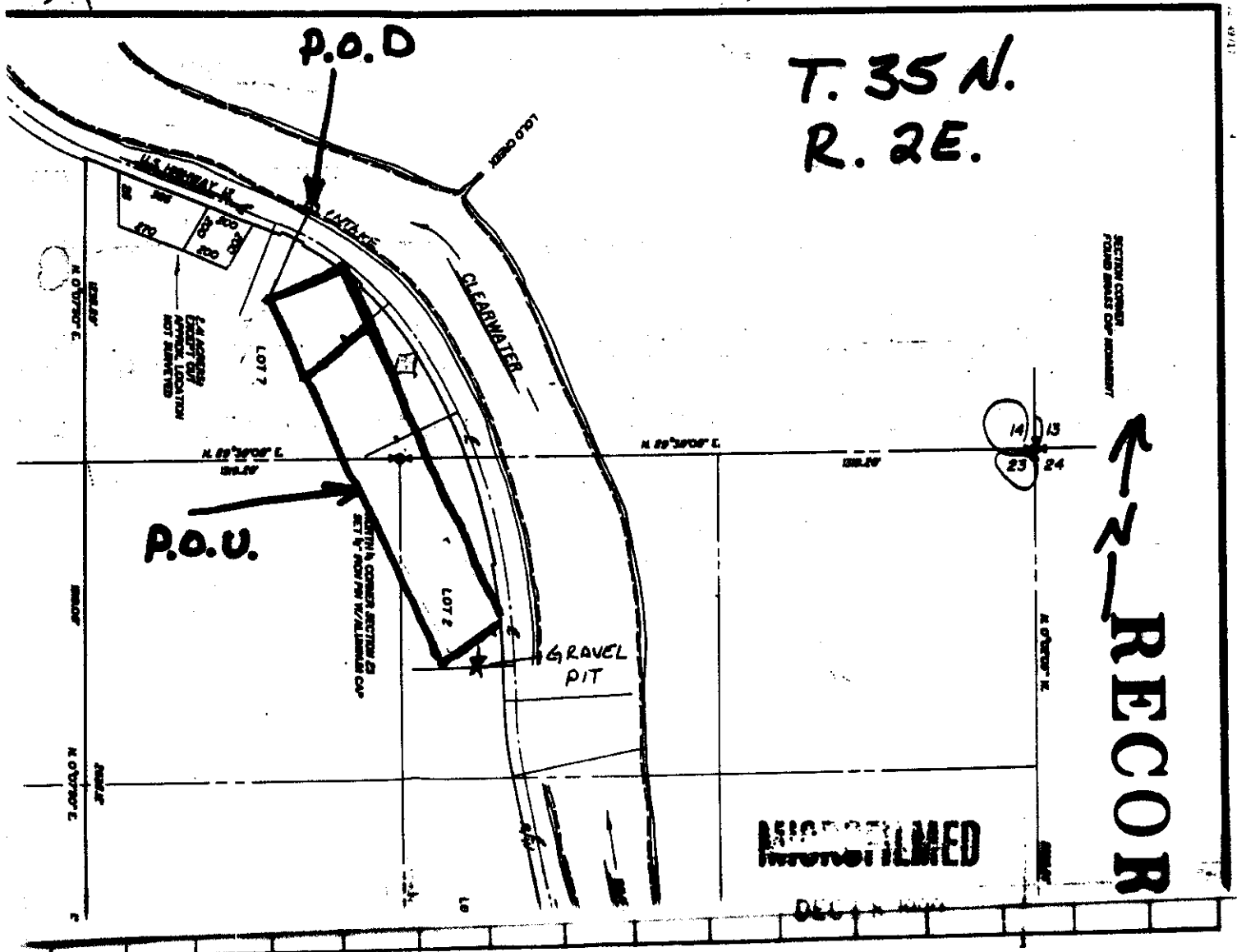
D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: _____

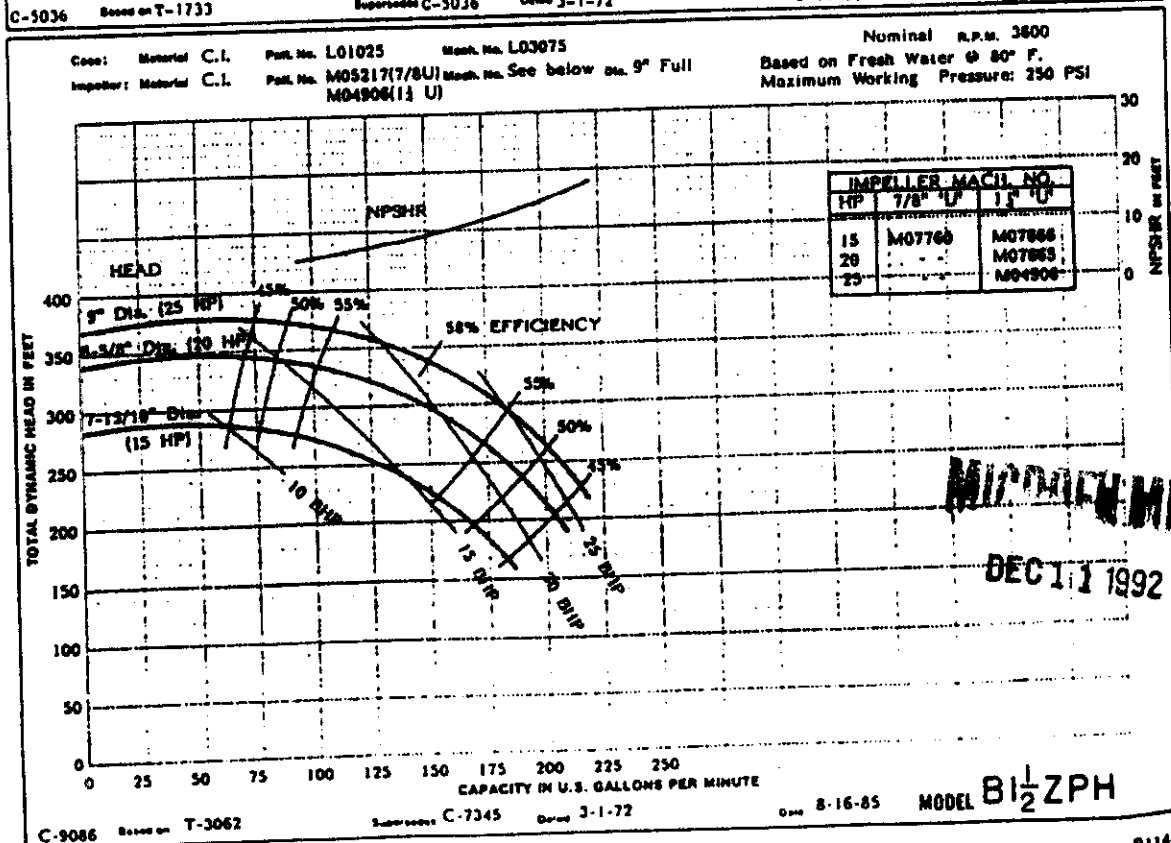
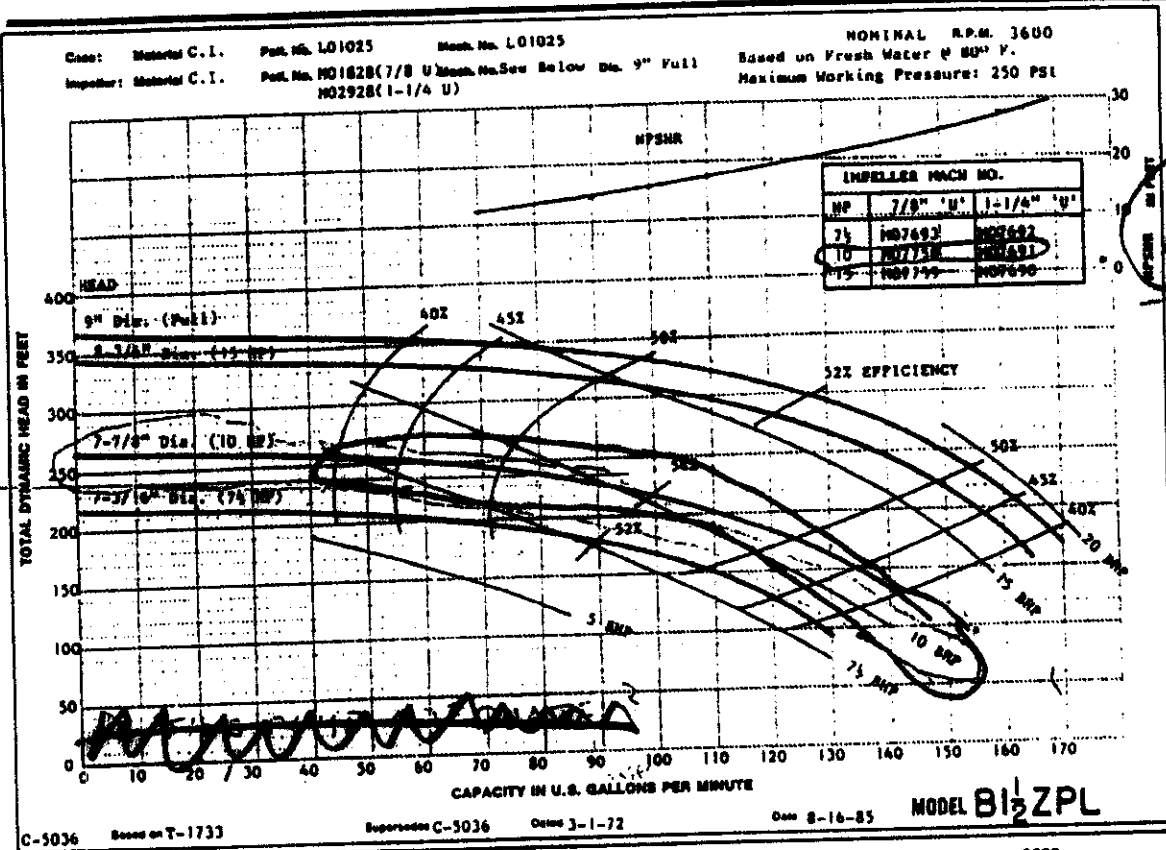
13. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

BERKELEY PUMPS TYPE "B" RATING CURVES MOTOR DRIVE

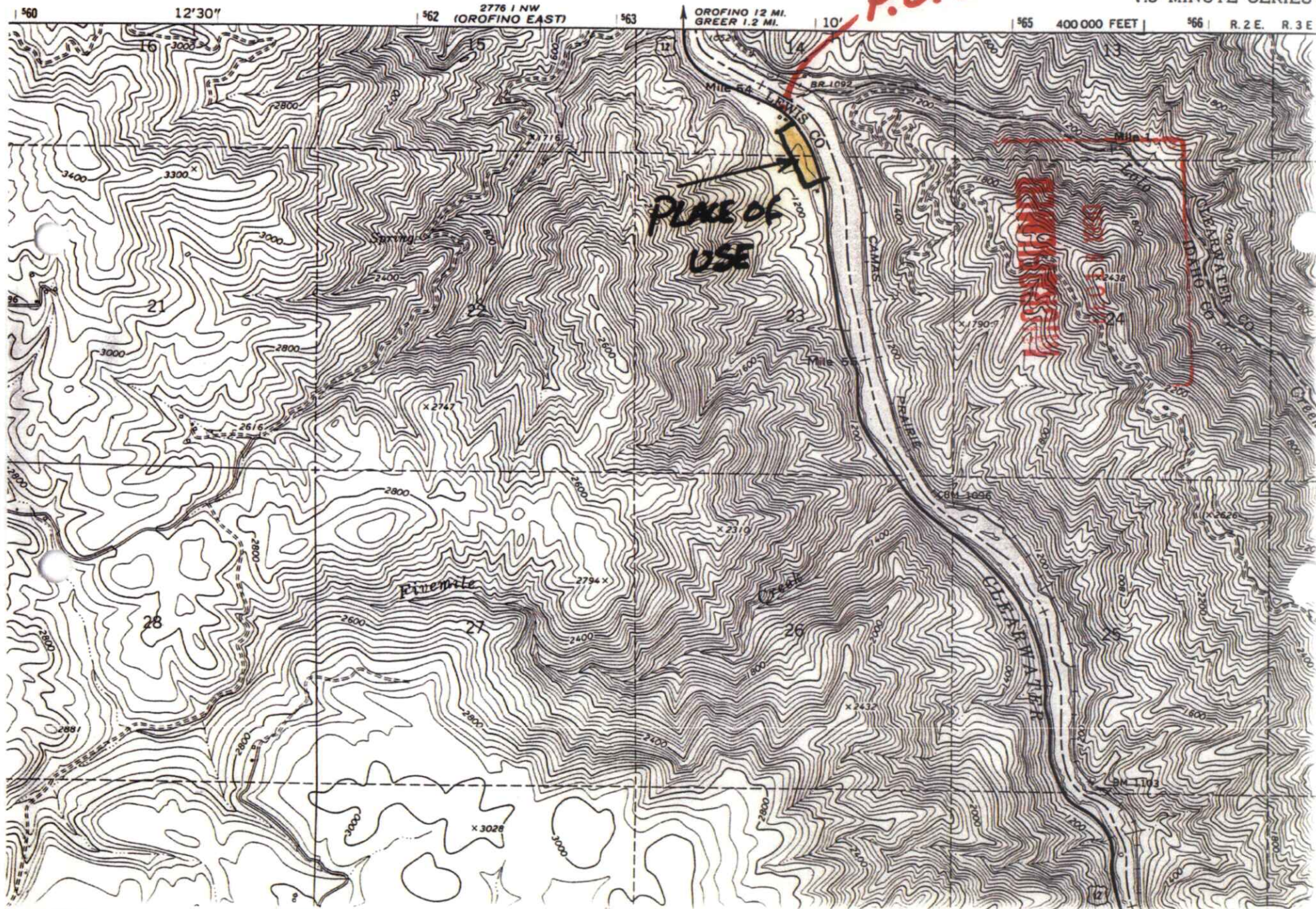
CURVE	4075
DATE	1-2-86
PAGE	2.01
SUPERSEDES	
All previously issued	
4075 Curves	

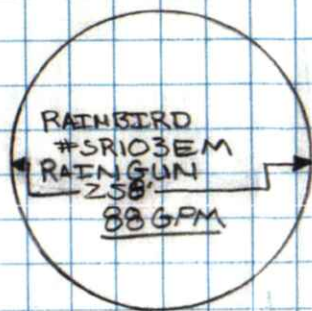


MIDWEST MED
DEC 11 1992

SIXMILE CREEK (IDAHC
7.5 MINUTE SERIES

P.O.D





MATERIALS

1,850 LF. 4" MAIN LINE

13 EACH. 2" RISER ASSY.

4 EACH. 2" SR103EM RAIN GUN

(2) FIXED GUNS SET @ 1/2 CIRCLE

(1) FULL CIRCLE

(1) ✓ ✓ SPARE

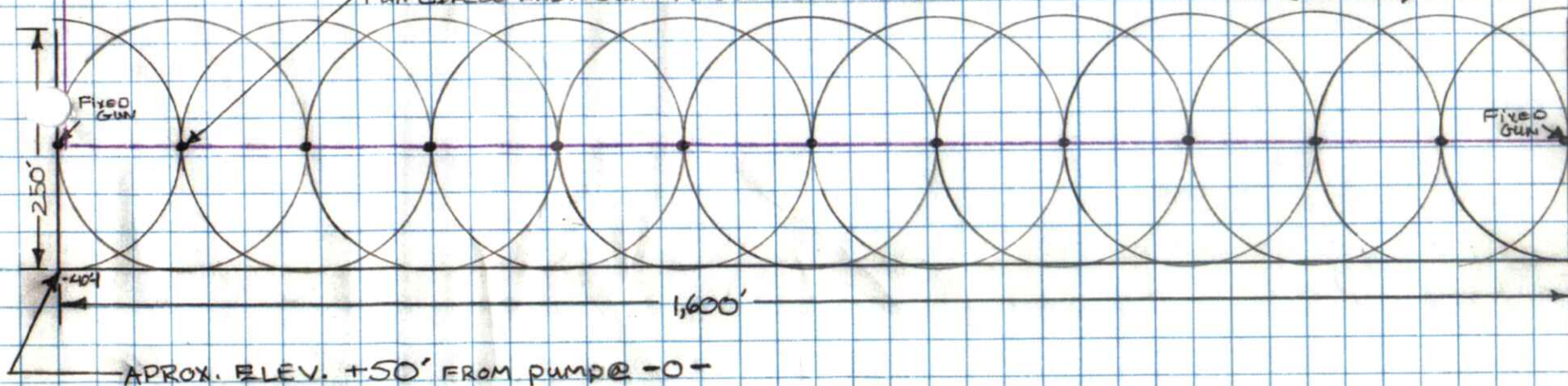
MICROFILMED

DEC 18 1990

— WATER LINE — 4" CL 160

Pump 10 HP / 220V / 1Ø / Running @ 235 TDH / 88 GPM — BERKELEY MDL. B 1 1/2 Z PL / 7 7/8" IMPELLER.
 ELEVATION -0-

Full CIRCLE RAIN GUN. THIS WILL BE MOVED FOR EACH FULL CIRCLE SWEEP. (11 MOVES)



85-7552

T35N R02E
Section(s) 14 & 23



0 700 1400 2100 Feet

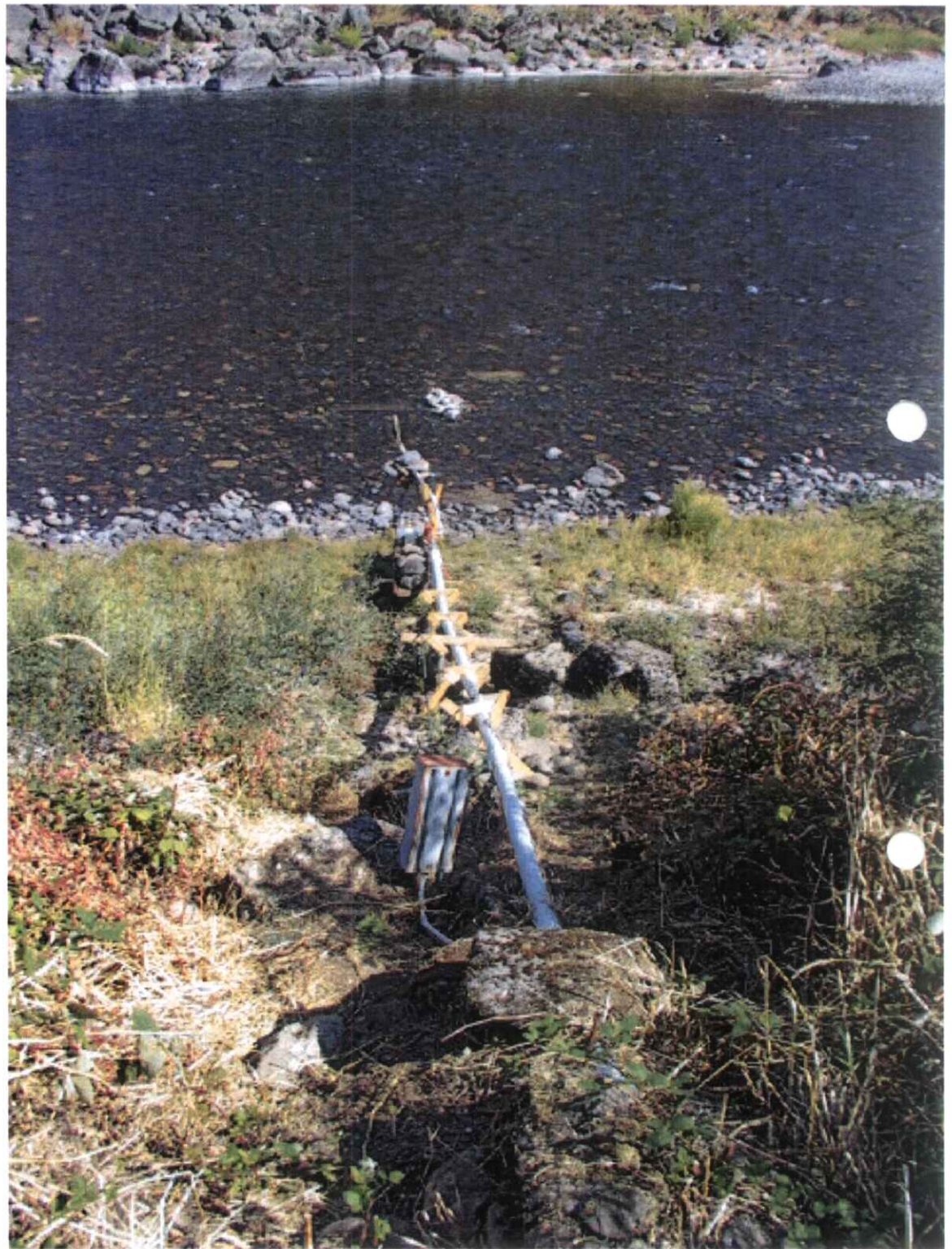


Place of Use



Point of Diversion



















E. NARRATIVE/REMARKS/COMMENTS

3 1/2" PVC P. pipe in river ^{30'} to 10 HP Berkeley pump.

4" PVC pipe up bank to Hwy 12. under Hwy. to P.O.U.

(18) 2" Standpipes that guns ^(x2) are manually moved to irrigate property.

Guns are Rainbird "50 taper bore" w/ 1/2" orifice.

(102ER/EH Rain Gun)

Was in the area on other business when I stopped to see if I could perform exam - I did not have a pressure gage w/ me.

* Recommend 0.20 cfs based on design submitted w/ Application $88 \text{ gpm} / 448.8 = .196 = 0.20 \text{ cfs}$

Berkeley Pump

B.m. # 354646

model # 31-1/2 ZPLS

Impeller Dia: 7 7/8

10 HP Marathon Elec. motor

model # WVJ 215TC DR 700 7 AP

3465 RPM

230v

Have conditions of permit approval been met? ☒ yes ☐ no

☒ Additional Computation Sheets Attached

$$88 \text{ gpm} / 448.8 = .196 = 0.20 \text{ cfs}$$

1. Volume Calculations for Irrigation:

$$V_{I,R} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (12)(3.5) = 42 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = (20 \text{ cfs}) (1.9835) =$$

$$V = \text{Smaller of } V_{I,R} \text{ and } V_{D,R} = 42 \text{ AF}$$

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Irrigation	5/1	10/31	.20 cfs	42 AFA
Totals:			.20 cfs	42 AF

☐ 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

Field Examiner's Name Angie Taylor Date 5-16-06

Reviewer _____ Date _____

SEAL