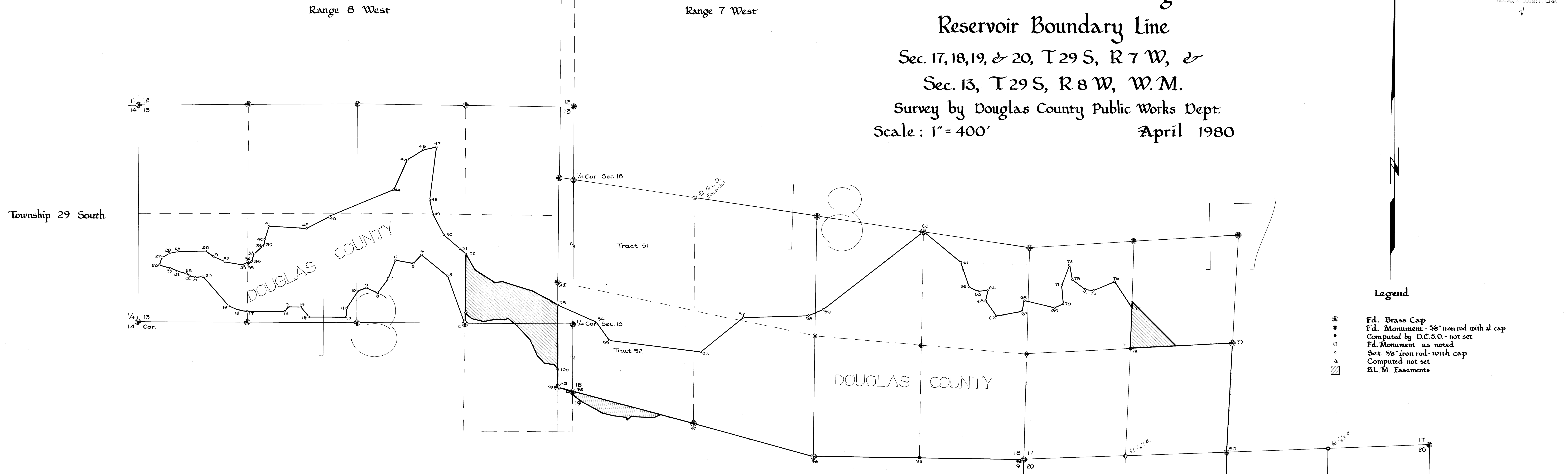


DOUGLAS COUNTY
COUNTY SURVEYOR
KIMBERLY S. GIBSON

Property Survey to Establish Ben Irving Reservoir Boundary Line

Sec. 17, 18, 19, & 20, T 29 S, R 7 W, &
Sec. 13, T 29 S, R 8 W, W.M.

Survey by Douglas County Public Works Dept.
Scale: 1" = 400'
April 1980



Legend

- Fd. Brass Cap
- Fd. Monument - 3/8" iron rod with al. cap
- Computed by D.C.S.O. - not set
- Fd. Monument as noted
- Set 3/8" iron rod with cap
- Computed not set
- B.L.M. Easements

Reservoir Boundary Line Data											
Pt. No.	Bearing	Dist.	Pt. No.	Bearing	Dist.	Pt. No.	Bearing	Dist.	Pt. No.	Bearing	Dist.
1	S 00° 01' 23" E	127.81'	27	N 56° 46' 41" E	98.60'	53	S 66° 35' 08" E	206.53'	79	S 02° 39' 43" W	1,310.66'
2	N 21° 23' 30" W	606.57'	28	N 76° 02' 34" E	107.19'	54	S 35° 44' 01" E	272.67'	80	S 00° 41' 12" W	1,298.54'
3	N 51° 41' 07" W	399.41'	29	N 89° 06' 09" E	395.44'	55	S 85° 11' 10" E	1,103.46'	81	N 87° 45' 48" E	1,219.98'
4	S 41° 06' 48" W	137.26'	30	S 99° 07' 19" E	117.90'	56	N 90° 46' 42" E	699.49'	82	S 00° 39' 01" W	1,306.52'
5	N 79° 38' 33" W	222.27'	31	S 66° 20' 57" E	149.79'	57	N 87° 53' 53" E	789.47'	83	N 88° 08' 56" E	1,220.49'
6	S 21° 31' 41" W	236.91'	32	S 81° 57' 00" E	234.69'	58	N 65° 57' 21" E	194.02'	84	S 00° 37' 48" W	66.01'
7	S 35° 30' 08" W	214.64'	33	N 53° 19' 12" E	57.96'	59	N 51° 49' 09" E	1,527.73'	85	N 89° 48' 18" W	1,374.02'
8	N 65° 12' 15" W	146.05'	34	S 01° 37' 55" W	26.72'	60	S 90° 50' 58" E	977.80'	86	S 00° 41' 28" W	674.85'
9	S 67° 38' 03" W	109.80'	35	N 57° 28' 08" E	51.93'	61	S 17° 44' 13" E	304.29'	87	N 69° 28' 42" W	1,100.71'
10	S 35° 55' 44" W	249.85'	36	N 17° 59' 11" E	103.55'	62	S 60° 40' 21" E	126.58'	88	N 54° 57' 15" W	355.97'
11	S 01° 47' 07" W	104.94'	37	N 49° 27' 25" E	133.37'	63	N 81° 14' 37" E	120.83'	89	S 77° 06' 53" W	490.57'
12	N 89° 55' 23" W	448.86'	38	N 68° 29' 08" E	20.78'	64	S 07° 39' 02" W	129.89'	90	S 54° 17' 11" W	122.19'
13	N 40° 22' 46" W	152.23'	39	N 00° 42' 00" E	71.04'	65	S 35° 35' 22" E	220.41'	91	S 68° 25' 59" W	1,079.03'
14	N 88° 16' 32" W	149.35'	40	N 17° 17' 27" E	170.58'	66	N 79° 12' 24" E	317.68'	92	N 01° 19' 13" E	1,282.62'
15	S 31° 09' 35" W	70.56'	41	S 87° 14' 12" E	454.19'	67	N 11° 48' 36" E	135.90'	93	N 01° 19' 13" E	1,282.62'
16	N 89° 59' 19" W	454.84'	42	N 62° 47' 26" E	313.63'	68	S 77° 12' 10" E	373.59'	94	N 89° 25' 16" W	1,264.47'
17	N 85° 32' 22" W	106.13'	43	N 66° 44' 02" E	834.28'	69	N 69° 57' 04" E	108.09'	95	N 89° 25' 16" W	1,264.47'
18	N 66° 31' 38" W	130.04'	44	N 24° 23' 07" E	396.72'	70	N 05° 51' 18" W	227.13'	96	N 75° 07' 24" W	1,498.16'
19	N 42° 07' 52" W	471.50'	45	N 58° 15' 59" E	226.63'	71	N 21° 01' 23" E	259.95'	97	N 75° 07' 24" W	1,504.90'
20	S 86° 46' 00" W	88.36'	46	N 77° 13' 13" E	156.75'	72	S 10° 21' 11" E	180.90'	98	N 75° 10' 16" W	196.01'
21	N 79° 06' 47" W	73.95'	47	S 06° 55' 59" W	645.05'	73	S 55° 47' 54" E	193.68'	99	N 00° 02' 40" W	219.23'
22	N 44° 22' 19" W	45.23'	48	S 12° 37' 55" E	169.87'	74	S 84° 34' 35" E	91.80'	100	N 00° 02' 40" W	766.27'
23	N 76° 57' 44" W	110.41'	49	S 27° 36' 19" E	289.82'	75	N 68° 38' 26" E	281.82'			
24	N 64° 32' 42" W	94.59'	50	S 51° 22' 11" E	297.42'	76	S 35° 25' 27" E	378.64'			
25	N 76° 31' 41" W	135.02'	51	S 44° 16' 23" E	95.91'	77	S 01° 55' 26" W	490.06'			
26	N 15° 58' 31" E	93.42'	52	S 00° 01' 23" W	702.95'	78	N 86° 44' 35" E	1,237.67'			
27						79					

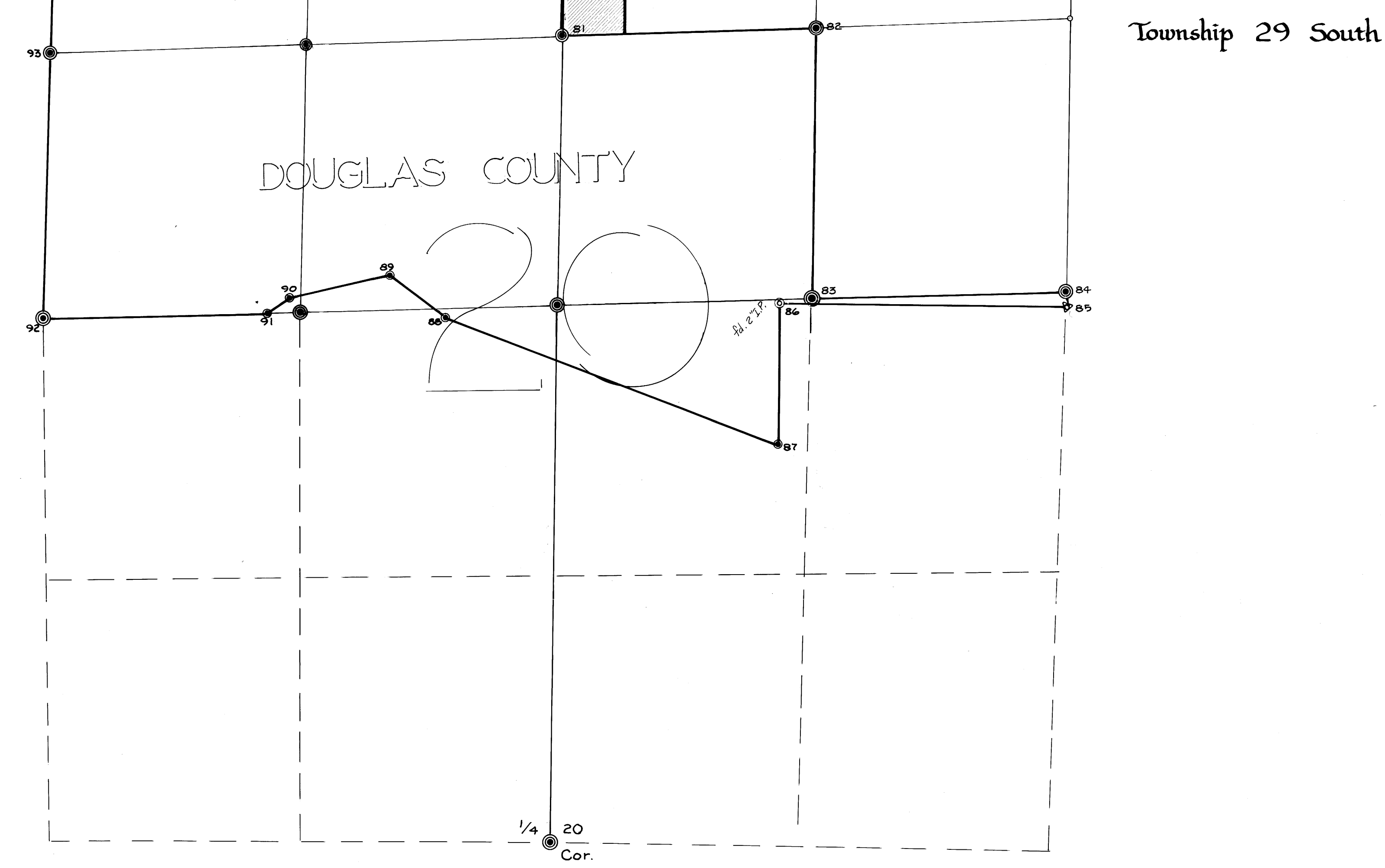
(a) chord
Curve Data
19° 10' 54" C.R.
Δ 92° 03' 48"
R 298.70'
L 173.01'

Note: Bearings used herein
are true based on the
Oregon State Plane
Coordinate System,
South Zone.

Narrative

The purpose of this survey is to establish the Ben Irving Reservoir Boundary Line. The survey was based on the survey done for the Douglas County Board of Commissioners, filed in the office of the County Surveyor, Map no. RM 3-6 and CS no. 59/41 A & B.

REGISTERED
PROFESSIONAL
LAND SURVEYOR
James F. Gibson
OREGON
JAMES F. GIBSON
1198



Township 29 South