

EXISTING CONTROL MONUMENTS

POINT NO.	STATION	NORTHING	EASTING	BEARING	DISTANCE
	AC 10011+78.24	369,306.209	1,409,743.880	S63°09'10"E	1999.37'
POST 1-A	AC 10031+77.61 AH	368,403.269	1,411,527.747	N80°14'58"E	1059.18'

WESTERLY BOUNDARY OF TRACTS 121, 135 & 150		(d.r. Bearing & Distance)	
(Offset from E)			
AC 10013+14.45 (100.00')	369,155.51	1,409,820.18	S63°09'10"E 216.17'
AC 10015+30.62 (100.00')	369,057.88	1,410,013.05	S88°50'41"E 26.29'
AC 10015+54.31 (88.60')	369,057.35	1,410,039.33	S21°03'25"E 17.00'
AC 10015+66.93 (100.00')	369,041.49	1,410,045.44	S21°03'25"E 104.19'
34-1L	368,944.26	1,410,082.87	S35°27'34"E 460.30' (S37°01'E 460.36')
34-1L-A	368,569.33	1,410,349.90	S41°38'14"E 165.68' (S43°11'40"E 165.70')
34-1L-B	368,445.51	1,410,459.98	S66°28'44"E 87.76' (S68°02'10"E 87.77')
34-1L-C	368,410.49	1,410,540.45	S88°10'24"E 149.07' (S89°43'50"E 149.09')
34-1L-D	368,405.74	1,410,689.44	S78°03'14"E 162.11' (S79°36'40"E 162.13')
34-1L-E	368,372.18	1,410,848.04	S11°06'54"E 112.40' (S12°40'20"E 112.42')
34-1L-F	368,261.89	1,410,869.70	S06°34'06"W 300.96' (S05°00'40"W 301.00')
34-1L-G	367,962.90	1,410,835.28	S21°33'26"E 50.90' (S20°00'00"E 50.50')
34-2L	367,915.56	1,410,816.58	N84°48'37"E 61.80' (N83°33'05"E)
34-3L	367,921.15	1,410,878.13	

See Sheet 1 of 10, S/N 9667, for additional information on South boundary of Tract 121.

Record measurement between 3/4" iron pipe (Record 1" pipe) #81-47-165 and 1/4 Cor. 33+34 is N 59° 38' 48" W 2187.28 feet per S/N 237. Grid measurement is N 58° 05' 22" W 2186.56 feet, therefore, rotated record bearings along Big Butte Creek 1° 33' 26" clockwise (θ = ±1°30'05" in this area) and reduced record distances with a c.f. = .999859803.

MONUMENTS FOUND PER S/N 237

POINT NO.	NORTHING	EASTING	BEARING	DISTANCE	ROTATION	CALCULATED FACTOR
			(Record Bearing & Distance)		Rec. to meas. clockwise	
1/4 Cor. 33+34	369,077.70	1,409,030.28	S58°05'22"E 2186.56' (S59°38'48"E 2187.28')		1°33'26"	.999669
81-47-165	367,921.91	1,410,886.39	N84°48'37"E 745.67' (N83°33'05"E 746.58')		1°15'32"	.998781
81-47-167	367,989.35	1,411,629.00	N02°09'10"E 912.75' (N00°55'20"E 915.00')		1°13'50"	.997541
81-47-155	368,901.46	1,411,663.29				
81-47-167	367,989.35	1,411,629.00	S02°20'37"W 1609.40' (S00°55'20"W 1610.15')		1°25'17"	.999532
1/4 Cor. 34/3	366,381.30	1,411,563.19	S23°42'58"E 1682.72' (S25°07'58"E 1685.68')		1°25'00"	.998244
81-47-165						

Reference SEGMENT I of the Lost Creek Lake Real Estate Drawings

LOST CREEK PROJECT
U.S. ARMY CORPS OF ENGINEERS
TRACTS 121, 135 & 150

LOCATED IN
SECTION 34, T.33S., R.1E., W.M.
JACKSON COUNTY, OREGON

HOFFBUHR/BATH & ASSOCIATES, INC.
219 N. OAKDALE MEDFORD, OREGON
BY: RICHARD L. BATH R.P.L.S. NO. 1069
SCALE: 1"=500' SEPTEMBER 26, 1983

RECEIVED
Date 10/27/83 By SK
This survey consists of:
1 sheet(s) Map
2 page(s) Narrative
JACKSON COUNTY SURVEYOR

REGISTERED
PROFESSIONAL
LAND SURVEYOR
Richard L. Bath
O.R.P.L.S.
JULY 10 1976
RICHARD L. BATH
No. 1069

LEGEND

- = Centerline of highway or road
- - - = Project boundary
- Δ = Fd. U.S.C.E. brass disk - 2nd Order Control Monument on Hwy. No. 62
- = Fd. 1" x 30" iron pipe w/brass disk stamped w/Station No. and "L.S. 1069" with State Highway post and plaque per S/N 9667
- = Fd. 3/4" I.D. pipe (Record: 1" I.P.) per S/N 237 (No.'s 81-47-155, 165, 167)
- S/N = Survey No. filed w/Jackson County Surveyor
- C.S. = County Surveyor
- B.L.M. = Bureau of Land Management
- d.r. = Deed record
- c.f. = Combined factor for distance reduction from ground measurements or d.r. distances to grid distances (known as grid factor)

HORIZONTAL CONTROL SUMMARY

THE LAMBERT COORDINATES WERE DERIVED FROM SECOND OR THIRD ORDER TRIANGULATION AND TRAVERSES WHOSE ORIGIN WAS U.S.C. & G.S. STATION VESTAL, RUSTLER PEAK, AND R.R. GAP.
THE STATE PLANE COORDINATES (SOUTH ZONE) AS SHOWN ON THIS MAP ARE BASED STRICTLY ON THE SECOND ORDER CONTROL MONUMENTS ESTABLISHED ALONG HIGHWAY NO. 62 BY DIRECTION OF THE U.S.C.E. IN 1979.
1) RANDOM COMBINED FACTORS (c.f.) ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. COMBINED FACTORS FOR INDIVIDUAL MEASUREMENTS SHOULD BE CALCULATED BASED ON THE SCALE FACTOR AND ELEVATION FACTOR FOR THAT SPECIFIC LOCATION.
2) IF THETA Θ ANGLES ARE NEEDED, THEY SHOULD BE CALCULATED FROM THE COORDINATES FOR THAT SPECIFIC LOCATION.
3) CAUTION SHOULD BE TAKEN WHEN REVIEWING DEED DESCRIPTIONS USING GROUND MEASURED DISTANCES RATHER THAN GRID DISTANCES. DISTANCES SHOWN IN PARENTHESIS (.....) ARE DEED RECORD AND SHOULD BE REDUCED TO GRID DISTANCES.

33 1E 34C

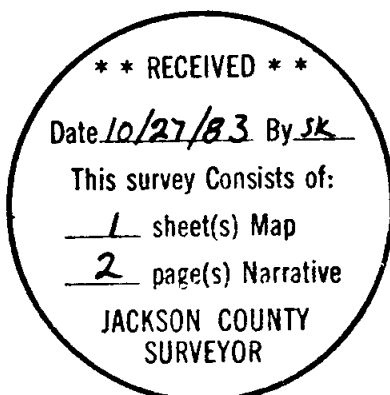
U.S. Army Engineer District, Portland
Page 2

factor (grid factor) of .999860. Grid coordinates were then calculated for each angle point along said creek using said corrections and the iron pipe (81-47-165) as the point of beginning. In order to acquire a grid coordinate for point 34-2L I then projected the bearing of South 84° 48' 37" West produced between found iron pipes 81-47-167 and 81-47-165 to a point in the creek being South 21° 33' 26" East from the record grid coordinate of point 34-1L-G produced from the previous rotation. The existing centerline of Big Butte Creek, as measured in September, 1983, varied only slightly from the alignment as described and shown on Survey No. 237 and, therefore, I elected to hold the record alignment. The calculated grid coordinate for point 34-1L is North 368,944.26 and East 1,410,082.87. It is the Northwest corner of Tract 121 which is also intended to be the Southwest corner of Tract 135. Tract 135 was developed from a tract described in Volume 222, page 523 of the Deed Records in Jackson County, Oregon, which is described as "Commencing at the Northeast corner of the Southwest quarter of Section 34; thence South 104 feet; thence West to the centerline of Big Butte Creek;" The grid bearing and distance produced between a point on the East line of said Southwest quarter being 104 feet South of the Northeast corner of said Southwest quarter (being, also, the Northeast corner of Tract 121) and point 34-1L is North 89° 08' 18" West 1605.72 feet. Because of the irregularities and inconsistencies in the record descriptions between Tracts 121 and 135, and the found monumentation from Survey No. 237, I have elected to hold the grid coordinate for point 34-1L as noted and then continue the project boundary Northwesterly along the centerline of Big Butte Creek to the North line of said Southwest quarter as shown.

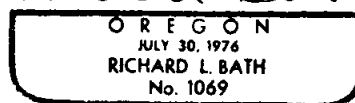
The Southerly boundary of Tract 150 is limited by the centerline of Big Butte Creek, the South line of the Northwest one-quarter (1/4) of Section 34, and the 100.00 foot offset right of way line of Highway 62.

Basis of Bearing - Survey No. 9667

September 26, 1983



Richard L. Bath



Richard L. Bath
Hoffbuhr/Bath & Associates, Inc.
219 North Oakdale
Medford, Oregon 97501

SURVEY NARRATIVE TO COMPLY WITH PARAGRAPH 209.250
OREGON REVISED STATUTES

SURVEY FOR: U.S. Army Engineer District, Portland
P.O. Box 2946
Portland, Oregon 97208
Attn: NPPEN-SY

LOCATION: Section 34, Township 33 South, Range 1 East,
Willamette Meridian, Jackson County, Oregon

PURPOSE: To map the project boundary along the Westerly and Southerly boundaries of "Tracts 121, 135, and 150" as described in Document No.'s 70-08667, 69-06056, and 69-06052, respectively. The project boundary line to be mapped was to begin at the intersection of the right of way line being 100.00 feet Southwesterly of the centerline of Highway No. 62 and the centerline of the Rogue River; thence Southeasterly along the right of way line to the South line of the Northwest one-quarter (1/4) of Section 34; thence Easterly along said South line to the centerline of Big Butte Creek; thence Southeasterly along the centerline of Big Butte Creek to the Southwest corner of Tract 121; thence Easterly along the South line of said Tract 121 to monument 34-3L as shown on Survey No. 9667 of surveys filed with the Jackson County Surveyor's Office, Medford, Oregon.

PROCEEDURE: As reported in the narrative for Survey No. 9667, Tract 121, as described in Document No. 70-08667 of the Official Records in Jackson County, Oregon, was developed from a description prepared by James H. Clabby, Civil Engineer, on November 22, 1949, based on a survey by him and filed as Survey No. 237. From our previous survey control we located and positioned the iron pipe (81-47-155) at the Northeast corner of Survey No. 237. A search for the iron pipe witness monument at the Northwest corner of Survey No. 237 found the approximate location of said pipe to be under approximately 10 foot of fill material and, therefore, the search was abandoned. Because of the inconsistencies, as shown on the attached map, between the three found monuments and the South and West one-quarter (1/4) corners of Section 34 as compared to the record locations per Survey No. 237, the procedure used to coordinate the boundary along Big Butte Creek is as follows:

To establish the bearing rotation along said creek I elected to use the iron pipe (81-47-165) and the one-quarter (1/4) corner common to Sections 33/34 as the controlling monuments. The rotation of 1° 33' 26" clockwise compared most consistent with the theta angle of 1° 30' 05" for this area. The grid distance between these two monuments resulted in a factor of .999669 which was consistent with the combined factor (grid factor) of .999860 for this area. Therefore, I rotated the bearings along Big Butte Creek 1° 33' 26" clockwise and reduced record distances to grid distances by using the combined