

BINGHAM ROAD  
LEGALIZATION  
COUNTY ROAD #900

ROAD OFFICIAL'S REPORT

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UMATILLA COUNTY  
DEPARTMENT OF PUBLIC  
WORKS

DECEMBER 4, 2002

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# BINGHAM ROAD LEGALIZATION REPORT

## HISTORY

Bingham Road was established in 1913 and was originally numbered as County Road No. 750. It ran from near the Southwest Corner of Section 3, Township 2 North, Range 34 E.W.M. at Cayuse to the east boundary of the Umatilla Indian Reservation near the 34 ½ Mile Corner. The original alignment was through a series of angle points and followed the Umatilla River more closely than the existing road does. There have been numerous road changes over the years in the vicinity, including a road change recorded in 1924 and property obtained by Umatilla County through deeds in 1928 and 1932. Legal descriptions on the deeds do not match the location of the traveled road very well.

Surveyors in the early 1970's accepted the location of the existing road in performing private surveys near the Umatilla River. The Bureau of Land Management accepted the location of monuments set in these surveys in a 1976 Section 29 subdivision survey. Recent surveys east of the Umatilla River also accepted the existing road location in determining property lines. During the survey for this legalization, existing monuments were accepted for road location where found; in areas where there were no monuments, the existing centerline was held.

## GENERAL

The Bureau of Indian Affairs has obtained funding to replace the bridges spanning Meacham Creek and the Umatilla River. Anderson-Perry and Associates, consulting engineers for the B.I.A., have requested that the road location be defined so that descriptions for property acquisition can be written. ODOT is going to perform needed right-of-way negotiations.

## IMPACTS TO UTILITIES AND PROPERTY OWNERS

The only existing utilities in the area are buried telephone lines and overhead power lines. All phone lines fall within the right-of-way shown on the attached survey map. UECA owns and operates the power lines and they either have private easements for their poles or their poles fall within the right-of-way shown. No impacts to utilities are anticipated.

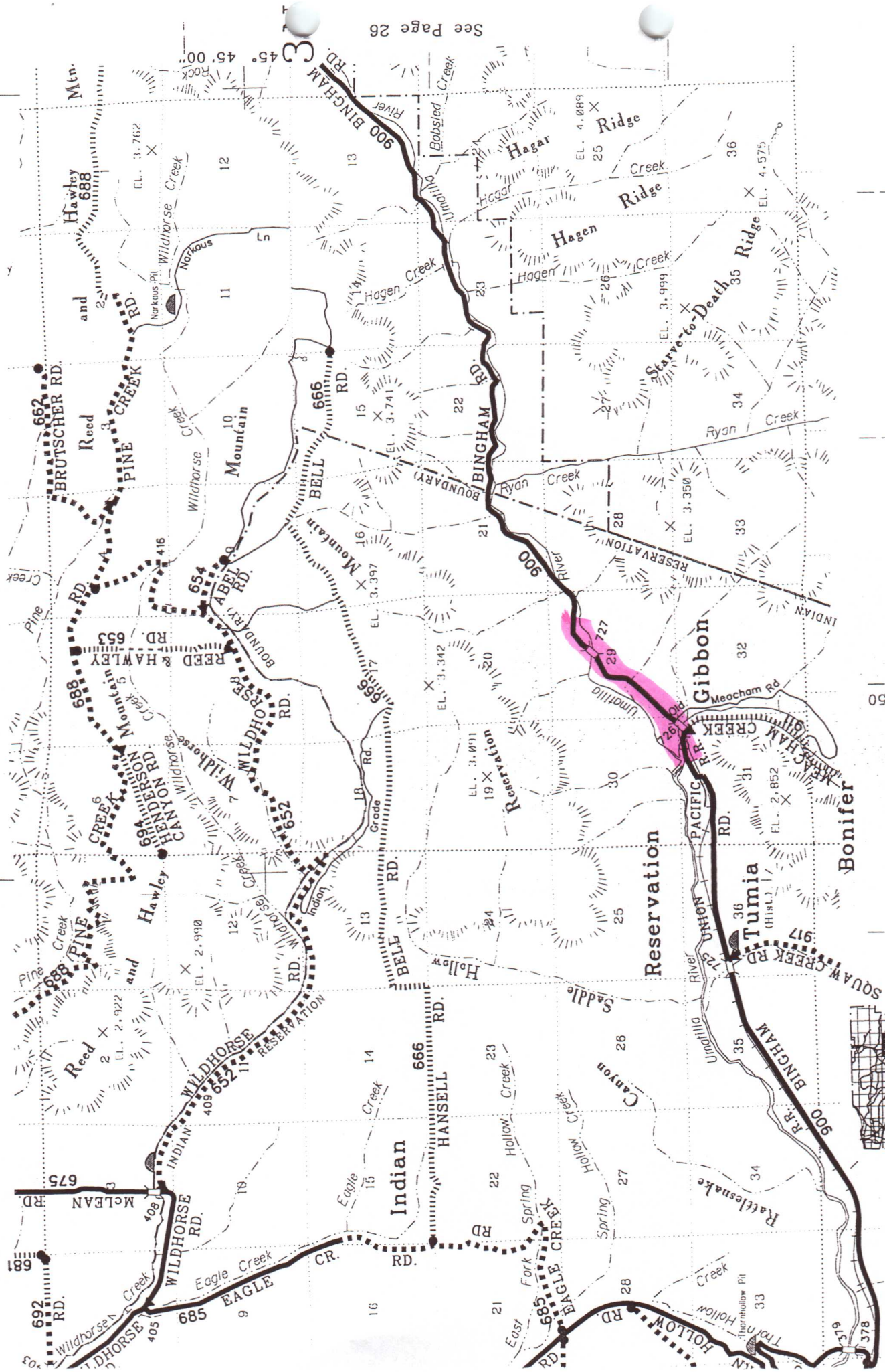
No major encroachments of fences, buildings, or other structures owned by abutting property owners exist. No impacts to property owners are anticipated.

## STATUTES

ORS 368.201(3) provides a basis for the county governing body to initiate legalization proceedings if a road as traveled and used for 10 years or more does not conform to the location of a road described in county road records.

## RECOMMENDATION

The Public Works Department recommends that the road be legalized as shown on the attached survey map and as described in the final order.



See Page 26

2,550

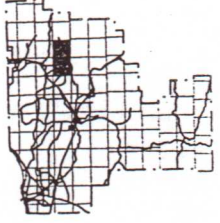
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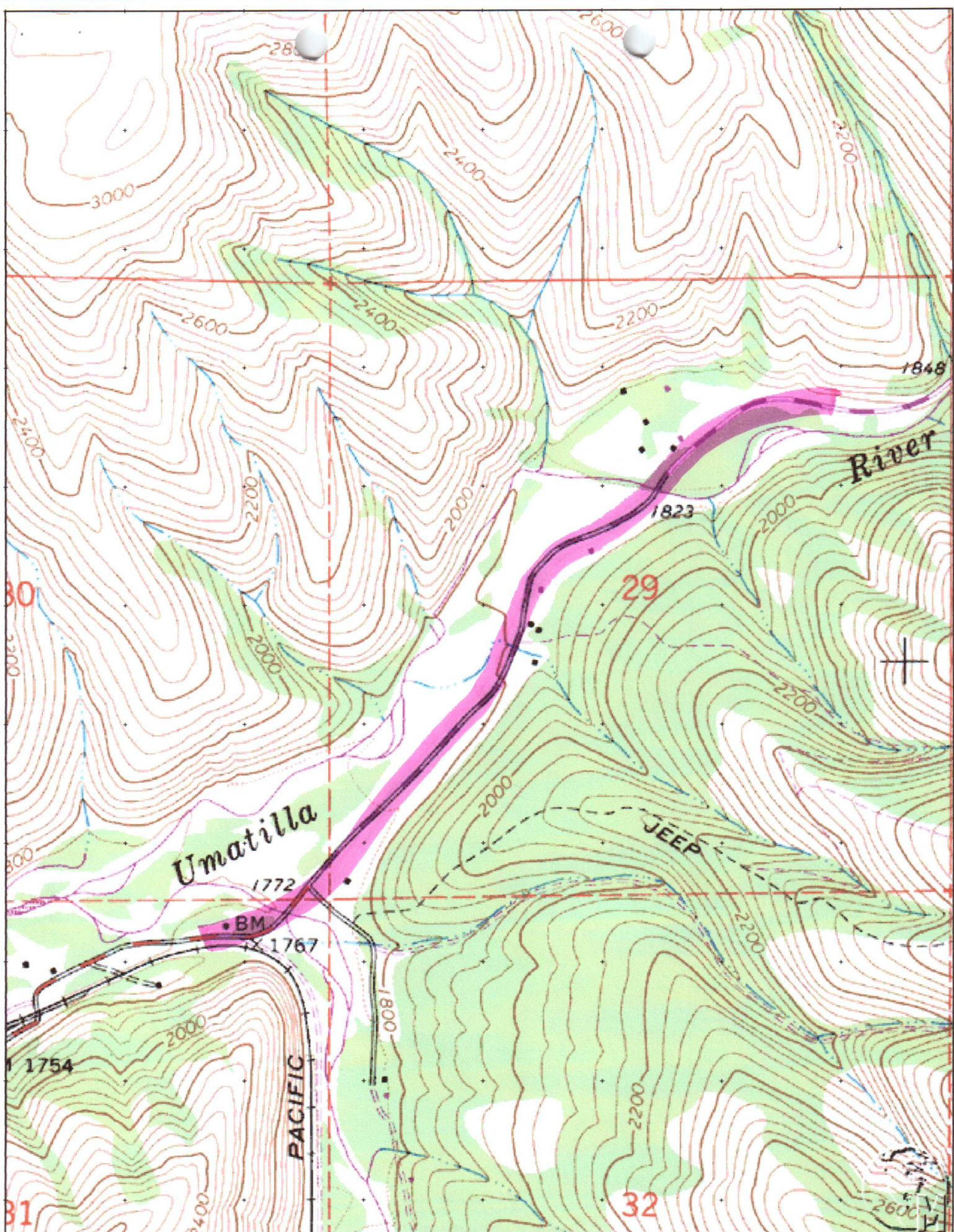
R35

See Page 28

R36

25





FIELD NOTES OF ROAD NO. 750

Said road No. 5 being described as follows:

A strip of land 60 feet wide as follows: 30 feet wide on each side of a center line commencing at a point 8.00 chains East of the corner of Secs. 3, 4, 9 & 10, Tp. 2, N.R. 54 E.W.M.

Thence	S	57° 20'	E	2.84	Chains		A 1
"	N	69° 45'	E	4.98	"		2
"	East	42.50	chs.	on Sec. line between Secs 3 & 10			3
"	S	51° 45'	E	3.60	chs.		4
"	N	15° 30'	E	2.31	"		5
"	East			19.65	"	on Sec. line between Secs. 3 & 10	6
"	North			28.00	"	on Sec. line between Secs. 2 & 3	7
"	N	44° 20'	E	8.14	"		8
"	N	71° 50'	E	21.40	"		9
"	N	59° 30'	E	4.42	"		10
"	N	86° 05'	E	7.14	"		11
"	S	68° 35'	E	6.07	"		12
"	S	65° 25'	E	9.70	"		13
"	N	46°	E	1.90	"		14
"	N	86° 10'	E	7.12	"		15
"	S	85° 55'	E	5.50	"		16
"	N	84° 50'	E	13.80	"		17
"	S	47° 45'	E	9.62	"		18
"	N	21° 35'	E	5.85	"		19
"	S	82° 10'	E	8.55	"		20
"	S	50° 25'	E	9.00	"		21
"	S	41° 35'	E	4.87	"		22
"	N	64°	E	0.98	"		23
"	N	29° 05'	W	2.55	"		24

Thence	N	10° 30'	W.	2.52	chs.	25
"	N	19° 05'	W	4.60	"	26
"	N	27° 20'	W	3.72	"	27
"	N	3° 10'	E	2.32	"	28
"	S	87° 55'	E	4.22	"	29
"	N	82° 35'	E	4.50	"	30
"	S	81° 45'	E	3.70	"	31
"	N	80° 30'	E	10.00	"	32
"	S	88°	E	3.05	"	33
"	N	78° 30'	E	4.95	" cross old channel of river N W	34
"	S	76° 10'	E	4.05	"	35
"	S	84° 10'	E	3.80	"	36
"	N	81° 15'	E	7.80	"	37
"	N	58° 30'	E	2.12	"	38
"	S	80° 15'	E	2.11	"	39
"	N	35° 45'	E	1.57	"	40
"	N	88° 25'	E	9.54	"	41
"	N	75° 15'	E	4.90	" Cross old channel of river SW	42
"	N	35° 50'	E	5.23	"	43
"	S	87° 10'	E	2.50	"	44
"	S	51°	E	4.80	"	45
"	N	88° 45'	E	3.62	"	46
"	N	74° 15'	E	2.83	"	47
"	S	75° 15'	E	7.22	"	48
"	S	73° 45'	E	6.95	"	49
"	S	76° 50'	E	4.65	"	50
"	S	86° 50'	E	4.40	"	51
"	N	80° 35'	E	5.12	"	52
"	N	71° 25'	E	7.10	"	53
"	N	80° 30'	E	4.21	"	54
"	S	26° 30'	E	3.50	"	55
"	N	48° 25'	E	3.08	"	56
"	S	88° 20'	E	19.50	"	57



Thence	N	76°	E	7.55 chs.	58
"	S	63° 30'	E	2.85 "	59
"	N	3° 45'	E	4.30 "	60
"	S	33° 35'	E	1.40 "	61
"	S	54° 10'	E	2.95 "	62
"	N	60° 15'	E	3.60 "	63
"	S	76° 40'	E	18.65 "	(along south side on a parallel with O. R. & N. right of way ) 64
"	N	15° 20'	E	2.00 "	(across track to north side) 65
"	S	76° 40'	E	8.50 "	( opposite Thron Hollow Station) 66
				18.50 "	67
"	S	13° 20'	E	2.00 "	(across track to south side) 68
"	S	76° 40'	E	6.50 "	(Buckerrue Creek 50 lks. wide) 69
				29.00 "	70
"	N	88° 30'	E	12.25 "	71
"	N	86° 45'	E	11.02 "	72
"	N	68°	E	2.83 "	73
"	N	36°	E	2.90 "	74
"	N	76° 40'	E	3.60 "	75
"	S	70°	E	2.50 "	76
"	S	41°	E	3.80 "	77
"	N	67°	E	1.30 "	78
"	N	7° 15'	E	6.40 "	79
"	N	54° 30'	E	5.25 "	80
"	S	73° 50'	E	3.65 "	81
"	N	41° 45'	E	4.32 "	82
"	S	82° 45'	E	1.95 "	83
"	S	54° 45'	E	6.40 "	84
"	N	63°	E	7.15 "	85
"	S	85° 10'	E	21.50 "	(parallel along south side of R.R.O) 86
"	N	80°	E	7.00 "	87
"	N	63°	E	8.56 "	88
"	N	56° 40'	E	107.55 "	(parallel with and on south side of R.R.) 88

Thence	N 66°	E 14.05	chs.	89
"	N 72° 10'	E 9.90	"	90
"	N 75° 40'	E 26.00	" (Squaw Creek 50 lks. wide)	
		76.25	"	91
"	E 60° 25'	E 9.60	"	92
"	N 82° 40'	E 8.60	"	93
"	S 66° 40'	E 3.72	"	94
"	S 83° 15'	E 5.15	"	95
"	N 84° 40'	E 9.45	"	96
"	S 79° 40'	E 11.00	"	97
"	N 86°	E 7.50	"	98
"	N 74°	E 5.65	"	99
"	N 56° 35'	E 7.40	"	100
"	N 24° 25'	E 3.52	" (across R.R. track at Gibbon)	101
"	N 60° 50'	E 8.55	"	102
"	N 62° 25'	E 8.15	"	103
"	N 68° 25'	E 5.31	"	104
"	S 84° 35'	E 5.50	"	105
"	S 59° 10'	E 8.20	"	106
"	N 80°	E 5.90	" -MERHAM CR-	107
"	N 18° 15'	E 3.25	"	108
"	N 13°	E 6.80	"	109
"	N 29° 20'	E 9.20	"	110
"	N 40° 50'	E 31.40	"	111
"	N 11° 47'	E 2.72	"	112
"	N 13° 55'	E 1.60	"	113
"	N 63° 35'	E 8.35	"	114
"	N 24° 40'	E 1.12	"	115
"	N 52° 10'	E 4.46	"	116
"	N 40° 10'	E 2.86	"	117
"	N 63° 20'	E 0.95	"	118
"	N 89° 20'	E 4.35	"	119
"	N 72° 45'	E 3.20	"	120

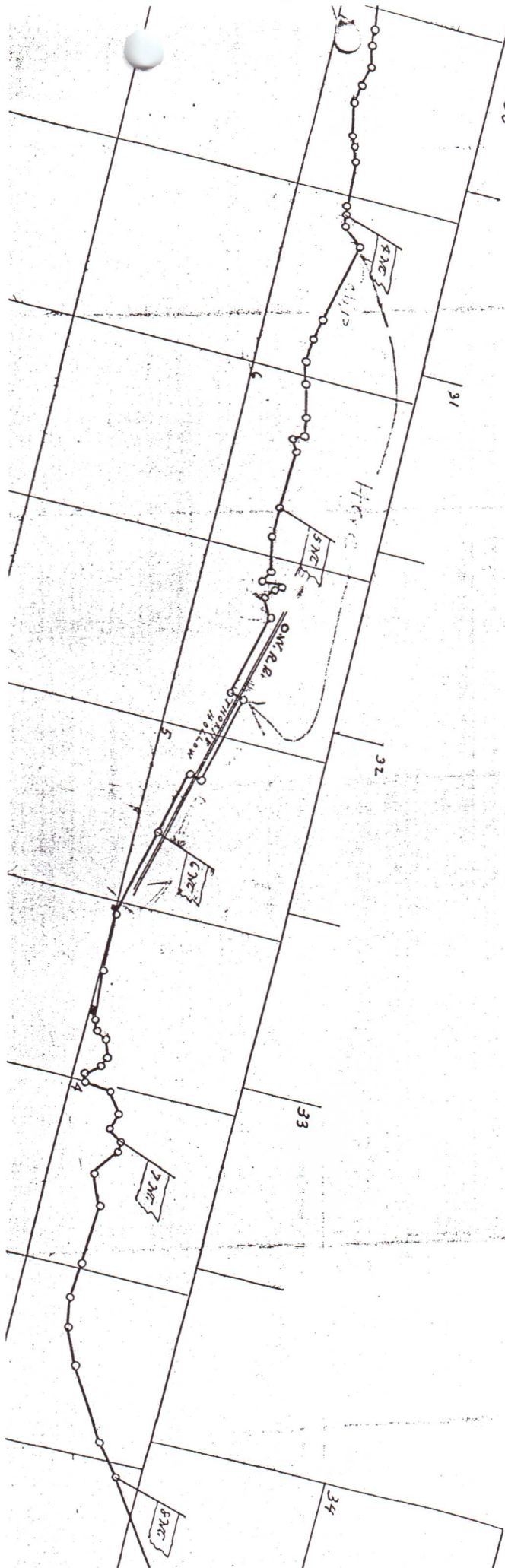
Thence	N	48° 20'	E	4.70	chs.	121
"	N	42° 55'	E	5.42	"	122
"	E	62° 50'	E	2.02	"	123
"	N	83°	E	3.02	"	124
"	S	79°	E	3.02	"	125
"	N	41° 40'	E	3.85	" (across Umatilla River to north side)	126
"	N	62° 55'	E	9.75	"	127
"	N	49° 35'	E	5.63	"	128
"	N	34° 45'	E	7.30	"	129
"	N	67° 35'	E	6.40	"	130
"	N	45° 30'	E	3.40	"	131
"	N	56° 30'	E	20.00	"	132
"	N	23°	E	5.57	"	133
"	N	35° 35'	E	2.28	"	134
"	N	15°	E	5.80	"	135
"	N	52° 25'	E	2.55	"	136
"	N	74° 40'	E	10.40	"	137
"	N	34° 20'	E	9.85	"	138
"	N	60°	E	2.20	"	139
"	S	86° 40'	E	5.00	" R.T. at a point on the east	

boundary of the Umatilla Indian Reservation 2.50 s 20 W  
from the 34½ mile corner of said boundary.

Being 13½ miles in length.



Rad No. 750





# BINGHAM ROAD LEGALIZATION SURVEY

## SURVEY NARRATIVE

This survey was performed at the request of the Umatilla County Commissioners to determine the existing location of a portion of County Road No. 900, Bingham Road, for legalization purposes. The Bureau of Indian Affairs has obtained funding for the replacement of the bridges spanning Meacham Creek and the Umatilla River and re-alignment of portions of the road. Private consultants and right-of-way agents need to have the location of the existing road established (its location does not match original road records for Road No. 750) in order to obtain additional needed right-of-way.

Right-of-way deeds from W. H. Sayer (Book 120, Page 243, Deed Records) and Dolgay and Myrtle Thompson (Book 120, Page 288, Deed Records) were granted to Umatilla County in 1928 and 1932, respectively, for re-alignment of the old road. The deed descriptions do not fit the existing road very well and were not used. The location of a portion of the road near the Umatilla River was established by holding the location of a variety of existing survey monuments including the brass caps set by the BLM (Survey Record R-2), some of which were set in place of Krumbain's iron pipes (Survey Record R-1). The remainder of the road location is based upon a best-fit alignment of a split of the existing pavement.

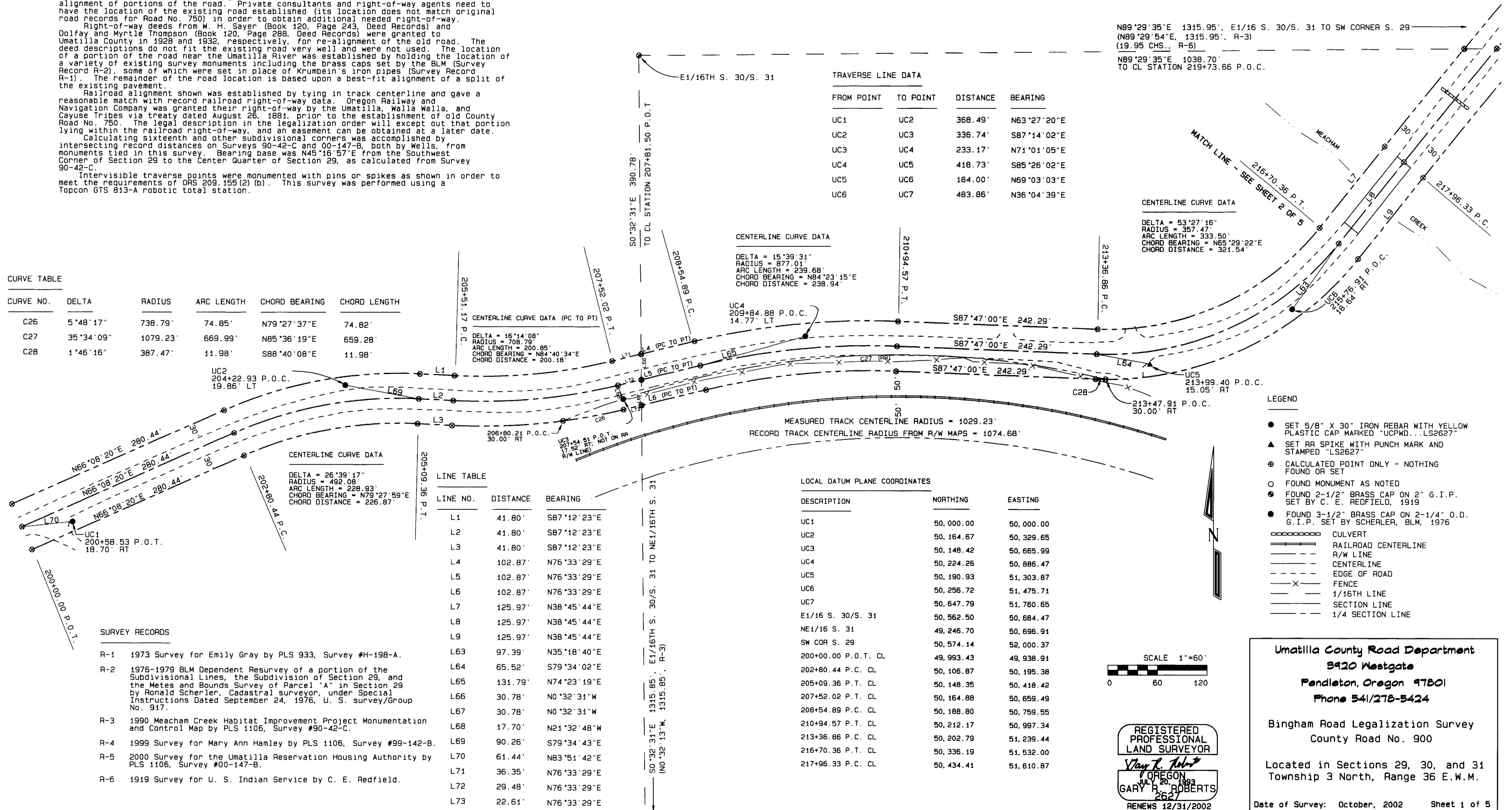
Railroad alignment shown was established by tying in track centerline and gave a reasonable match with record railroad right-of-way data. Oregon Railway and Navigation Company was granted their right-of-way by the Umatilla, Walla Walla, and Cayuse Tribes via treaty dated August 26, 1891, prior to the establishment of old County Road No. 750. The legal description in the legalization order will except out that portion lying within the railroad right-of-way, and an easement can be obtained at a later date.

Calculating sixteenth and other subdivisional corners was accomplished by intersecting record distances on Surveys 90-42-C and 00-147-B, both by Wells, from monuments tied in this survey. Bearing base was N45°16'57"E from the Southwest Corner of Section 29 to the Center Quarter of Section 29, as calculated from Survey 90-42-C.

Intervisible traverse points were monumented with pins or spikes as shown in order to meet the requirements of ORS 209.155(2)(b). This survey was performed using a Topcon GTS 813-A robotic total station.

## CURVE TABLE

CURVE NO.	DELTA	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C26	5°48'17"	738.79'	74.85'	N79°27'37"E	74.82'
C27	35°34'09"	1079.23'	669.99'	N85°36'19"E	659.28'
C28	1°46'16"	387.47'	11.98'	S88°40'08"E	11.98'



### TRAVERSE LINE DATA

FROM POINT	TO POINT	DISTANCE	BEARING
UC1	UC2	368.49'	N63°27'20"E
UC2	UC3	336.74'	S87°14'02"E
UC3	UC4	233.17'	N71°01'05"E
UC4	UC5	418.73'	S85°26'02"E
UC5	UC6	184.00'	N69°03'03"E
UC6	UC7	483.86'	N36°04'39"E

### CENTERLINE CURVE DATA

DELTA = 15°39'31"
RADIUS = 877.01'
ARC LENGTH = 239.68'
CHORD BEARING = N84°23'15"E
CHORD DISTANCE = 238.94'

### CENTERLINE CURVE DATA (PC TO PT)

DELTA = 16°14'08"
RADIUS = 708.79'
ARC LENGTH = 200.85'
CHORD BEARING = N84°40'34"E
CHORD DISTANCE = 200.18'

### CENTERLINE CURVE DATA

DELTA = 26°39'17"
RADIUS = 492.08'
ARC LENGTH = 228.93'
CHORD BEARING = N79°27'59"E
CHORD DISTANCE = 226.87'

### LINE TABLE

LINE NO.	DISTANCE	BEARING
L1	41.80'	S87°12'23"E
L2	41.80'	S87°12'23"E
L3	41.80'	S87°12'23"E
L4	102.87'	N76°33'29"E
L5	102.87'	N76°33'29"E
L6	102.87'	N76°33'29"E
L7	125.97'	N38°45'44"E
L8	125.97'	N38°45'44"E
L9	125.97'	N38°45'44"E
L63	97.39'	N35°18'40"E
L64	65.52'	S79°34'02"E
L65	131.79'	N74°23'19"E
L66	30.78'	N0°32'31"W
L67	30.78'	N0°32'31"W
L68	17.70'	N21°32'48"W
L69	90.26'	S79°34'43"E
L70	61.44'	N83°51'42"E
L71	36.35'	N76°33'29"E
L72	29.48'	N76°33'29"E
L73	22.61'	N76°33'29"E

### LOCAL DATUM PLANE COORDINATES

DESCRIPTION	NORTHING	EASTING
UC1	50,000.00	50,000.00
UC2	50,164.67	50,329.65
UC3	50,148.42	50,665.99
UC4	50,224.26	50,886.47
UC5	50,190.93	51,303.87
UC6	50,256.72	51,475.71
UC7	50,647.79	51,760.65
E1/16 S. 30/S. 31	50,562.50	50,684.47
NE1/16 S. 31	49,246.70	50,696.91
SW COR S. 29	50,574.14	52,000.37
200+00.00 P.O.T. CL	49,993.43	49,938.91
202+80.44 P.C. CL	50,106.87	50,195.38
205+09.36 P.T. CL	50,148.35	50,418.42
207+52.02 P.T. CL	50,164.88	50,659.49
208+54.89 P.C. CL	50,188.80	50,759.55
210+94.57 P.T. CL	50,212.17	50,997.34
213+36.86 P.C. CL	50,202.79	51,239.44
216+70.36 P.T. CL	50,336.19	51,532.00
217+96.33 P.C. CL	50,434.41	51,610.87

N89°29'35"E 1315.95', E1/16 S. 30/S. 31 TO SW CORNER S. 29  
 (N89°29'54"E, 1315.95', R-3)  
 (19.95 CHS., R-6)  
 N89°29'35"E 1038.70'  
 TO CL STATION 219+73.66 P.O.C.

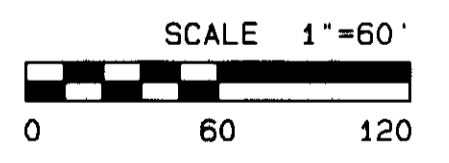
### CENTERLINE CURVE DATA

DELTA = 53°27'16"
RADIUS = 357.47'
ARC LENGTH = 333.50'
CHORD BEARING = N65°29'22"E
CHORD DISTANCE = 321.54'

- ### LEGEND
- SET 5/8" X 30" IRON REBAR WITH YELLOW PLASTIC CAP MARKED "UCPND...LS2627"
  - ▲ SET RR SPIKE WITH PUNCH MARK AND STAMPED "LS2627"
  - ⊙ CALCULATED POINT ONLY - NOTHING FOUND OR SET
  - FOUND MONUMENT AS NOTED
  - FOUND 2-1/2" BRASS CAP ON 2" G.I.P. SET BY C. E. REDFIELD, 1919
  - FOUND 3-1/2" BRASS CAP ON 2-1/4" O.D. G.I.P. SET BY SCHERLER, BLM, 1976
  - ▬▬▬ CULVERT
  - ▬▬▬ RAILROAD CENTERLINE
  - ▬▬▬ R/W LINE
  - ▬▬▬ CENTERLINE
  - ▬▬▬ EDGE OF ROAD
  - ▬▬▬ FENCE
  - ▬▬▬ 1/16TH LINE
  - ▬▬▬ SECTION LINE
  - ▬▬▬ 1/4 SECTION LINE

## SURVEY RECORDS

- R-1 1973 Survey for Emily Gray by PLS 933, Survey #H-198-A.
- R-2 1976-1979 BLM Dependent Resurvey of a portion of the Subdivisional Lines, the Subdivision of Section 29, and the Metes and Bounds Survey of Parcel "A" in Section 29 by Ronald Scherler, Cadastral surveyor, under Special Instructions Dated September 24, 1976, U. S. survey/Group No. 917.
- R-3 1990 Meacham Creek Habitat Improvement Project Monumentation and Control Map by PLS 1106, Survey #90-42-C.
- R-4 1999 Survey for Mary Ann Hamley by PLS 1106, Survey #99-142-B.
- R-5 2000 Survey for the Umatilla Reservation Housing Authority by PLS 1106, Survey #00-147-B.
- R-6 1919 Survey for U. S. Indian Service by C. E. Redfield.



REGISTERED PROFESSIONAL LAND SURVEYOR  
 Gary R. Roberts  
 JUL 20 1993  
 GARY R. ROBERTS  
 2627  
 RENEWS 12/31/2002

Umatilla County Road Department  
 3920 Westgate  
 Pendleton, Oregon 97801  
 Phone 541/278-5424

Bingham Road Legalization Survey  
 County Road No. 900

Located in Sections 29, 30, and 31  
 Township 3 North, Range 36 E.W.M.

Date of Survey: October, 2002 Sheet 1 of 5

RECEIVED BY  
 Umatilla County Surveyor  
 Date 10-02  
 Rec'd By KR  
 No. 02-252-7

# BINGHAM ROAD LEGALIZATION SURVEY

## LOCAL DATUM PLANE COORDINATES

DESCRIPTION	NORTHING	EASTING
UC5	50,190.93	51,303.87
UC6	50,256.72	51,475.71
UC7	50,647.79	51,760.65
UC8	51,275.62	52,401.48
UC9	51,883.40	52,912.66
N1/16 S. 31/S. 32 WC	49,253.59	51,892.11
N1/16 S. 31/S. 32	49,254.36	51,997.11
S1/16 S. 30/S. 29	51,866.33	52,007.14
E1/16 S. 30/S. 31	50,562.50	50,684.47
NE1/16 S. 31	49,246.70	50,696.91
SW CORNER S. 29	50,574.14	52,000.37
216+70.36 P.T. CL	50,336.19	51,532.00
217+96.33 P.C. CL	50,434.41	51,610.87
225+95.98 P.T. CL	51,037.06	52,136.14

## CURVE TABLE

CURVE NO.	DELTA	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C20	0°56'57"	9933.92'	164.59'	N42°54'49"E	164.59'
C21	1°08'29"	9903.92'	197.31'	N42°49'03"E	197.31'
C22	1°20'08"	9873.92'	230.16'	N42°43'14"E	230.15'
C23	0°52'46"	9933.92'	152.46'	N39°12'07"E	152.46'
C24	1°01'33"	9903.92'	177.33'	N39°16'31"E	177.33'
C25	1°10'25"	9873.92'	202.26'	N39°20'57"E	202.26'

## CENTERLINE CURVE DATA (PC TO PT)

DELTA = 4°37'34"  
 RADIUS = 9903.92'  
 ARC LENGTH = 799.65'  
 CHORD BEARING = N41°04'31"E  
 CHORD DISTANCE = 799.43'

## TRAVERSE LINE DATA

FROM POINT	TO POINT	DISTANCE	BEARING
UC5	UC6	184.00'	N69°03'03"E
UC6	UC7	483.86'	N36°04'39"E
UC7	UC8	897.13'	N45°35'14"E
UC8	UC9	794.16'	N40°03'56"E

## LINE TABLE

LINE NO.	DISTANCE	BEARING
L7	125.97'	N38°45'44"E
L8	125.97'	N38°45'44"E
L9	125.97'	N38°45'44"E
L57	356.82'	N48°02'35"E
L58	540.86'	N43°58'02"E
L59	39.29'	N89°29'35"E
L60	39.38'	N89°29'35"E
L61	44.80'	N0°18'01"E
L62	44.97'	N0°18'01"E
L63	97.39'	N35°18'40"E

## LEGEND

- SET 5/8" X 30" IRON REBAR WITH YELLOW PLASTIC CAP MARKED "UCPND...LS2627"
- ▲ SET RR SPIKE WITH PUNCH MARK AND STAMPED "LS2627"
- ⊙ CALCULATED POINT ONLY - NOTHING FOUND OR SET
- FOUND MONUMENT AS NOTED
- FOUND 2-1/2" BRASS CAP ON 2" G.I.P. SET BY C. E. REDFIELD, 1919
- FOUND 3-1/2" BRASS CAP ON 2-1/4" O.D. G.I.P. SET BY SCHERLER, BLM, 1976
- CULVERT
- RAILROAD CENTERLINE
- R/W LINE
- CENTERLINE
- EDGE OF ROAD
- FENCE
- 1/16TH LINE
- SECTION LINE
- 1/4 SECTION LINE

## SURVEY RECORDS

- R-1 1973 Survey for Emily Gray by PLS 933, Survey #H-198-A.
- R-2 1976-1979 BLM Dependent Resurvey of a portion of the Subdivisional Lines, the Subdivision of Section 29, and the Metes and Bounds Survey of Parcel "A" in Section 29 by Ronald Scherler, Cadastral surveyor, under Special Instructions Dated September 24, 1976, U. S. survey/Group No. 917.
- R-3 1990 Meacham Creek Habitat Improvement Project Monumentation and Control Map by PLS 1106, Survey #90-42-C.
- R-4 1999 Survey for Mary Ann Hamley by PLS 1106, Survey #99-142-B.
- R-5 2000 Survey for the Umatilla Reservation Housing Authority by PLS 1106, Survey #00-147-B.
- R-6 1919 Survey for U. S. Indian Service by C. E. Redfield.

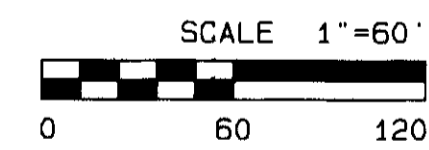
REGISTERED PROFESSIONAL LAND SURVEYOR  
 Gary R. Roberts  
 JUL 20, 1993  
 GARY R. ROBERTS  
 2627  
 RENEWS 12/31/2002

Umatilla County Road Department  
 3920 Westgate  
 Pendleton, Oregon 97801  
 Phone 541/278-5424

Bingham Road Legalization Survey  
 County Road No. 900

Located in Sections 29, 30, and 31  
 Township 3 North, Range 36 E.W.M.

Date of Survey: October, 2002 Sheet 2 of 5



## RECEIVED BY

Umatilla County Surveyor  
 Date 10-02  
 Rec'd By KE  
 No. 02-252-C



# BINGHAM ROAD LEGALIZATION SURVEY

## LOCAL DATUM PLANE COORDINATES

DESCRIPTION	NORTHING	EASTING
UC8	51,275.62	52,401.49
UC9	51,883.40	52,912.66
UC10	52,374.24	53,421.21
UC11	52,774.04	53,587.22
S1/16TH S. 30/S. 29	51,866.33	52,007.14
SW 1/16TH S. 29	51,865.65	53,311.23
238+80.67 P.C. CL	51,970.67	53,018.64
240+80.67 P.T. CL	52,115.18	53,156.90
242+96.65 P.C. CL	52,270.34	53,307.15
250+10.08 P.T. CL	52,910.73	53,585.16

## CENTERLINE CURVE DATA (PC TO PT)

DELTA = 41°13'22"  
 RADIUS = 991.60'  
 ARC LENGTH = 713.43'  
 CHORD BEARING = N23°28'01"E  
 CHORD DISTANCE = 698.14'

## CENTERLINE CURVE DATA

DELTA = 0°41'24"  
 RADIUS = 16,607.27'  
 ARC LENGTH = 200.00'  
 CHORD BEARING = N43°44'00"E  
 CHORD DISTANCE = 200.00'

## SURVEY RECORDS

- R-1 1973 Survey for Emily Gray by PLS 933, Survey #H-198-A.
- R-2 1976-1979 BLM Dependent Resurvey of a portion of the Subdivisional Lines, the Subdivision of Section 29, and the Metes and Bounds Survey of Parcel "A" in Section 29 by Ronald Scherler, Cadastral surveyor, under Special Instructions Dated September 24, 1976, U. S. survey/Group No. 917.
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- R-5 2000 Survey for the Umatilla Reservation Housing Authority by PLS 1106, Survey #00-147-B.
- R-6 1919 Survey for U. S. Indian Service by C. E. Redfield.

## LEGEND

- SET 5/8" X 30" IRON REBAR WITH YELLOW PLASTIC CAP MARKED "UCPND...LS2627"
- ▲ SET RR SPIKE WITH PUNCH MARK AND STAMPED "LS2627"
- ⊙ CALCULATED POINT ONLY - NOTHING FOUND OR SET
- FOUND MONUMENT AS NOTED
- FOUND 2-1/2" BRASS CAP ON 2" G.I.P. SET BY C. E. REDFIELD, 1919
- FOUND 3-1/2" BRASS CAP ON 2-1/4" O.D. G.I.P. SET BY SCHERLER, BLM, 1976
- CULVERT
- RAILROAD CENTERLINE
- - - R/W LINE
- - - CENTERLINE
- - - EDGE OF ROAD
- - - FENCE
- - - 1/16TH LINE
- - - SECTION LINE
- - - 1/4 SECTION LINE

## LINE TABLE

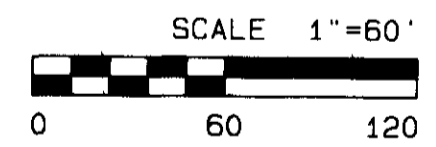
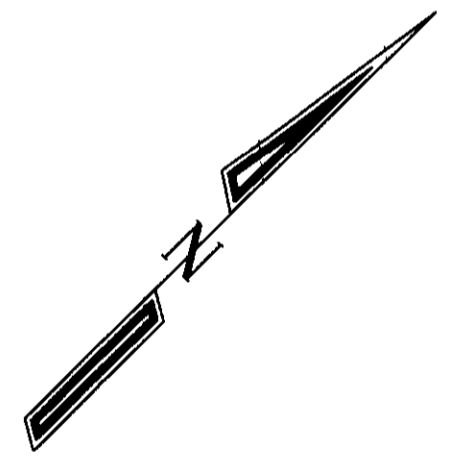
LINE NO.	DISTANCE	BEARING
L49	136.71'	N0°51'43"W
L50	146.53'	N47°52'14"E
L51	23.43'	N44°04'42"E
L52	137.30'	N50°31'52"E
L53	41.26'	S89°58'12"E
L54	41.26'	S89°58'12"E
L55	44.41'	N0°11'01"E
L56	43.31'	N0°11'01"E

## TRAVERSE LINE DATA

FROM POINT	TO POINT	DISTANCE	BEARING
UC8	UC9	794.16'	N40°03'56"E
UC9	UC10	706.80'	N46°00'54"E
UC10	UC11	432.89'	N22°32'58"E

## CURVE TABLE

CURVE NO.	DELTA	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C17	21°51'51" (21°56')	1021.60' 1019.24'	389.84' 5,912 CHS., R-2)	N13°47'15"E	387.48'
C18	2°22'17"	961.60'	39.80'	N42°53'34"E	39.79'
C19	0°26'59"	991.60'	7.78'	N43°51'14"E	7.78'



REGISTERED  
 PROFESSIONAL  
 LAND SURVEYOR  
 GARY R. ROBERTS  
 OREGON  
 JULY 20, 1983  
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 3920 Westgate  
 Pendleton, Oregon 97801  
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Bingham Road Legalization Survey  
 County Road No. 900

Located in Sections 29, 30, and 31  
 Township 3 North, Range 36 E.W.M.

Date of Survey: October, 2002 Sheet 3 of 5

RECEIVED BY  
 Umatilla County Surveyor  
 Date: 10-02  
 Rec'd By: [Signature]  
 No. 02-2552-C

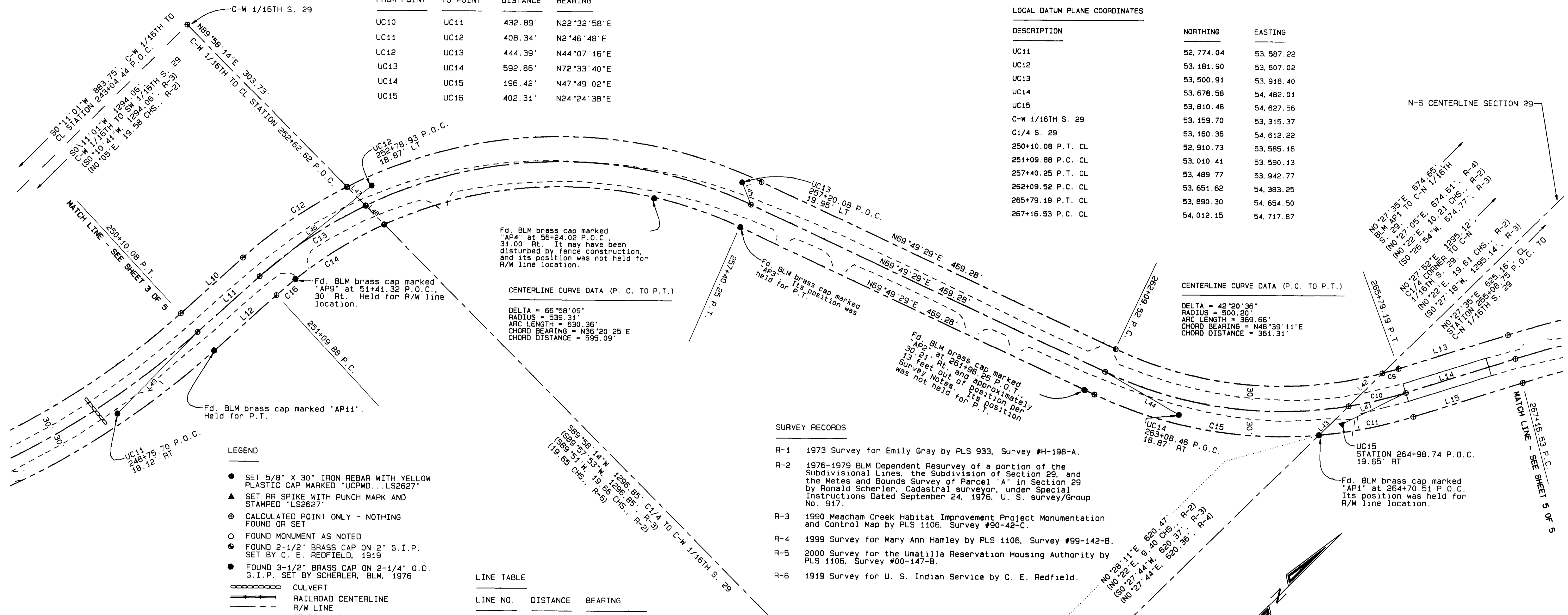
# BINGHAM ROAD LEGALIZATION SURVEY

## TRAVERSE LINE DATA

FROM POINT	TO POINT	DISTANCE	BEARING
UC10	UC11	432.89'	N22°32'58"E
UC11	UC12	408.34'	N2°46'48"E
UC12	UC13	444.39'	N44°07'16"E
UC13	UC14	592.86'	N72°33'40"E
UC14	UC15	196.42'	N47°49'02"E
UC15	UC16	402.31'	N24°24'38"E

## LOCAL DATUM PLANE COORDINATES

DESCRIPTION	NORTHING	EASTING
UC11	52,774.04	53,587.22
UC12	53,181.90	53,607.02
UC13	53,500.91	53,916.40
UC14	53,678.58	54,482.01
UC15	53,810.48	54,627.56
C-W 1/16TH S. 29	53,159.70	53,315.37
C1/4 S. 29	53,160.36	54,612.22
250+10.08 P.T. CL	52,910.73	53,585.16
251+09.88 P.C. CL	53,010.41	53,590.13
257+40.25 P.T. CL	53,489.77	53,942.77
262+09.52 P.C. CL	53,651.62	54,383.25
265+79.19 P.T. CL	53,890.30	54,654.50
267+16.53 P.C. CL	54,012.15	54,717.87



### LEGEND

- SET 5/8" X 30" IRON REBAR WITH YELLOW PLASTIC CAP MARKED "UCP...LS2627"
  - ▲ SET RR SPIKE WITH PUNCH MARK AND STAMPED "LS2627"
  - ⊙ CALCULATED POINT ONLY - NOTHING FOUND OR SET
  - FOUND MONUMENT AS NOTED
  - FOUND 2-1/2" BRASS CAP ON 2" G.I.P. SET BY C. E. REDFIELD, 1919
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- CULVERT  
 — RAILROAD CENTERLINE  
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 - - - FENCE  
 - - - 1/16TH LINE  
 - - - SECTION LINE  
 - - - 1/4 SECTION LINE

### CURVE TABLE

CURVE NO.	DELTA	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C9	2°28'00"	470.20'	20.24'	N28°42'56"E	20.24'
C10	8°04'06"	500.20'	70.44'	N31°30'57"E	70.38'
C11	12°26'56"	530.20'	115.20'	N33°42'21"E	114.97'
C12	15°10'59"	569.31'	150.86'	N10°26'50"E	150.42'
C13	16°13'34"	539.31'	152.73'	N10°58'07"E	152.22'
C14	17°23'59"	509.31'	154.67'	N11°33'20"E	154.08'
C15	29°53'40" (29°54')	530.20' 530'	276.63' 4.191 CHS.,	N54°52'39"E R-2)	29.69'
C16	3°20'25" (3°38')	509.31' 512.05'	29.69' 0.492 CHS.,	N4°30'52"E R-2)	273.51'

### LINE TABLE

LINE NO.	DISTANCE	BEARING
L10	99.80'	N2°51'20"E
L11	99.80'	N2°51'20"E
L12	99.80' (1.450 CHS.)	N2°51'20"E S2°42'W) R-2
L13	137.34'	N27°28'53"E
L14	137.34'	N27°28'53"E
L15	137.34'	N27°28'53"E
L41	84.25'	N18°38'49"E
L42	56.09'	N0°27'35"E
L43	49.49'	N0°27'35"E
L44	102.37'	N74°43'37"E
L45	28.63'	S67°05'33"E
L46	172.31'	N5°37'29"E
L47	31.65'	N89°58'14"E
L48	31.86'	N89°58'14"E
L49	136.71'	N0°51'43"W

REGISTERED  
 PROFESSIONAL  
 LAND SURVEYOR  
*Gary R. Roberts*  
 OREGON  
 JUL 20 1993  
 GARY R. ROBERTS  
 2627  
 RENEWS 12/31/2002

**Umatilla County Road Department**  
**3920 Westgate**  
**Pendleton, Oregon 97801**  
**Phone 541/278-5424**

Bingham Road Legalization Survey  
 County Road No. 900

Located in Sections 29, 30, and 31  
 Township 3 North, Range 36 E.W.M.

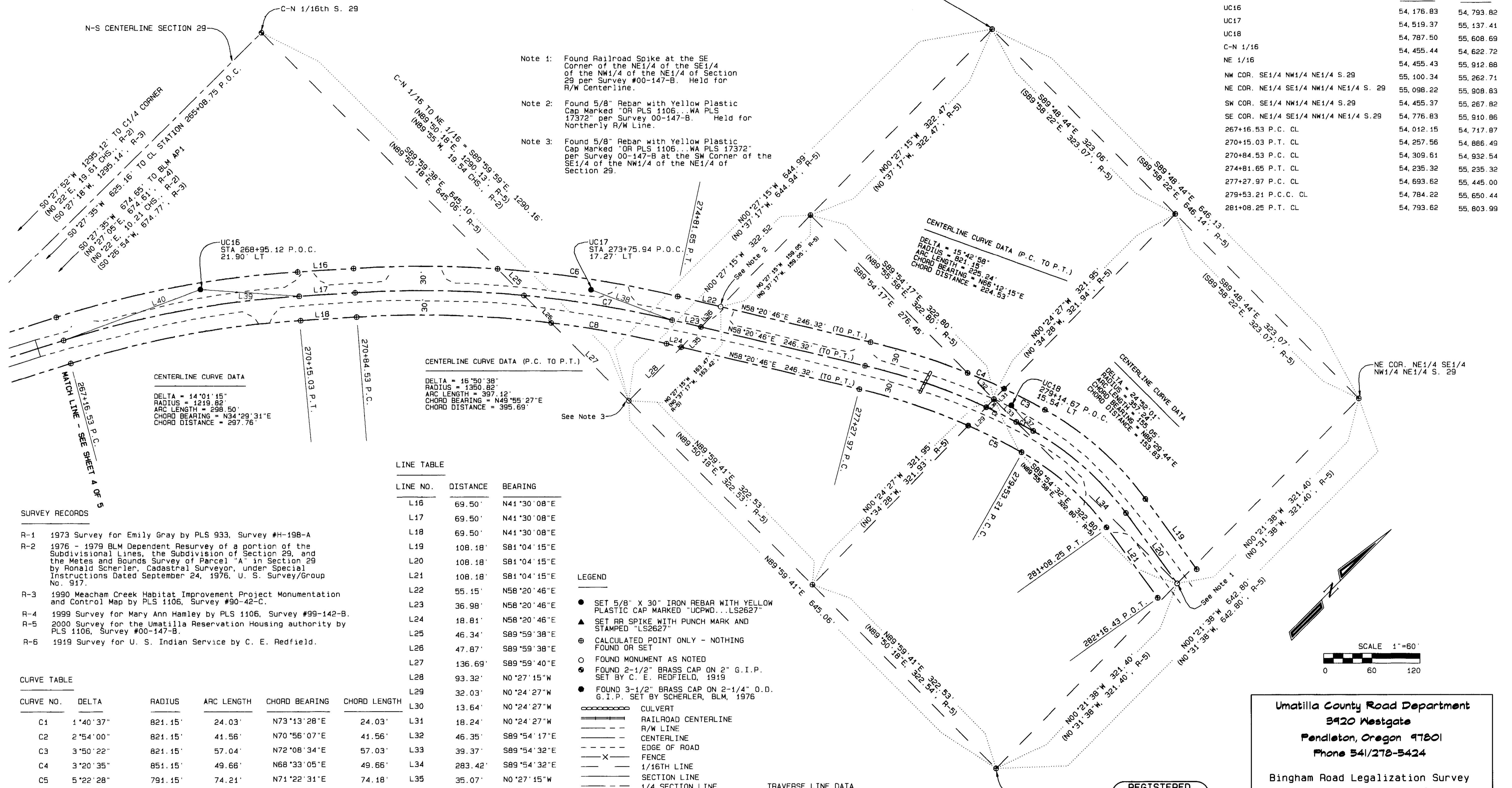
Date of Survey: October, 2002      Sheet 4 of 5

RECEIVED BY  
 Umatilla County Surveyor  
 Date 10-02  
 Rec'd By RR  
 No. 02-252-P

# BINGHAM ROAD LEGALIZATION SURVEY

LOCAL DATUM PLANE COORDINATES

DESCRIPTION	NORTHING	EASTING
UC16	54,176.83	54,793.82
UC17	54,519.37	55,137.41
UC18	54,787.50	55,608.69
C-N 1/16	54,455.44	54,622.72
NE 1/16	54,455.43	55,912.88
NW COR. SE1/4 NW1/4 NE1/4 S. 29	55,100.34	55,262.71
NE COR. NE1/4 SE1/4 NW1/4 NE1/4 S. 29	55,098.22	55,908.63
SW COR. SE1/4 NW1/4 NE1/4 S. 29	54,455.37	55,267.82
SE COR. NE1/4 SE1/4 NW1/4 NE1/4 S. 29	54,776.83	55,910.86
267+16.53 P.C. CL	54,012.15	54,717.87
270+15.03 P.T. CL	54,257.56	54,886.49
270+84.53 P.C. CL	54,309.61	54,932.54
274+81.65 P.T. CL	54,235.32	55,235.32
277+27.97 P.C. CL	54,693.62	55,445.00
279+53.21 P.C.C. CL	54,784.22	55,650.44
281+08.25 P.T. CL	54,793.62	55,803.99



Note 1: Found Railroad Spike at the SE Corner of the NE1/4 of the SE1/4 of the NW1/4 of the NE1/4 of Section 29 per Survey #00-147-B. Held for R/W Centerline.

Note 2: Found 5/8" Rebar with Yellow Plastic Cap Marked "OR PLS 1106, WA PLS 17372" per Survey 00-147-B. Held for Northerly R/W Line.

Note 3: Found 5/8" Rebar with Yellow Plastic Cap Marked "OR PLS 1106, WA PLS 17372" per Survey 00-147-B at the SW Corner of the SE1/4 of the NW1/4 of the NE1/4 of Section 29.

CENTERLINE CURVE DATA (P.C. TO P.T.)

DELTA = 14°01'15"  
 RADIUS = 1219.82'  
 ARC LENGTH = 298.50'  
 CHORD BEARING = N34°29'31"E  
 CHORD DISTANCE = 297.76'

CENTERLINE CURVE DATA (P.C. TO P.T.)

DELTA = 15°50'38"  
 RADIUS = 1350.82'  
 ARC LENGTH = 397.12'  
 CHORD BEARING = N49°55'27"E  
 CHORD DISTANCE = 385.69'

CENTERLINE CURVE DATA (P.C. TO P.T.)

DELTA = 24°39'01"  
 RADIUS = 1575.24'  
 ARC LENGTH = 555.05'  
 CHORD BEARING = N68°28'44"E  
 CHORD DISTANCE = 555.93'

LINE TABLE

LINE NO.	DISTANCE	BEARING
L16	69.50'	N41°30'08"E
L17	69.50'	N41°30'08"E
L18	69.50'	N41°30'08"E
L19	108.18'	S81°04'15"E
L20	108.18'	S81°04'15"E
L21	108.18'	S81°04'15"E
L22	55.15'	N58°20'46"E
L23	36.98'	N58°20'46"E
L24	18.81'	N58°20'46"E
L25	46.34'	S89°59'38"E
L26	47.87'	S89°59'38"E
L27	136.69'	S89°59'40"E
L28	93.32'	N0°27'15"W
L29	32.03'	N0°24'27"W
L30	13.64'	N0°24'27"W
L31	18.24'	N0°24'27"W
L32	46.35'	S89°54'17"E
L33	39.37'	S89°54'32"E
L34	283.42'	S89°54'32"E
L35	35.07'	N0°27'15"W
L36	35.07'	N0°27'15"W
L37	44.88'	S85°30'31"E
L38	107.75'	N65°19'15"E
L39	122.90'	N48°56'11"E
L40	181.35'	N24°45'32"E

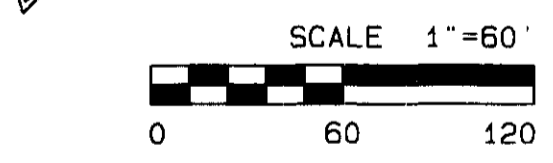
LEGEND

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- ▬ 1/4 SECTION LINE

TRAVERSE LINE DATA

FROM POINT	TO POINT	DISTANCE	BEARING
UC15	UC16	402.31'	N24°24'38"E
UC16	UC17	485.17'	N45°05'16"E
UC17	UC18	542.21'	N60°21'45"E
UC18	282+16.43 P.O.T. CL	302.95'	S87°58'41"E

REGISTERED PROFESSIONAL LAND SURVEYOR  
 GARY R. ROBERTS  
 JULY 20, 1982  
 RENEWS 12/31/2002



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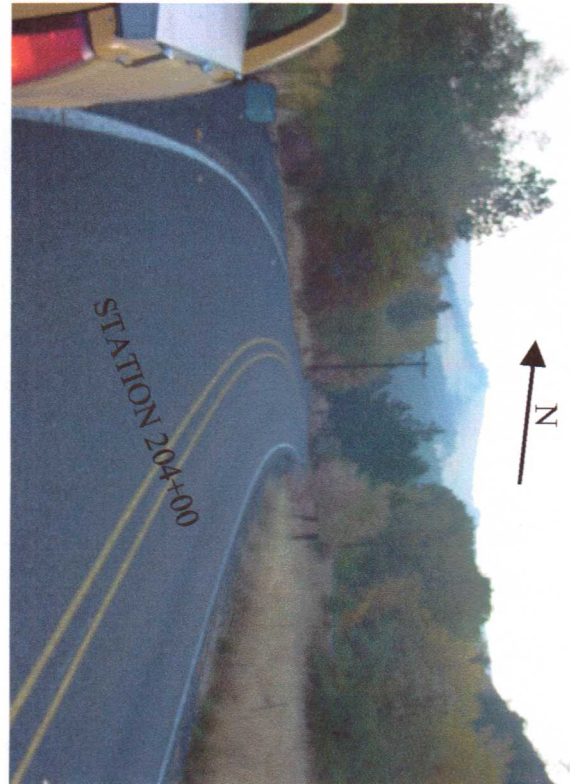
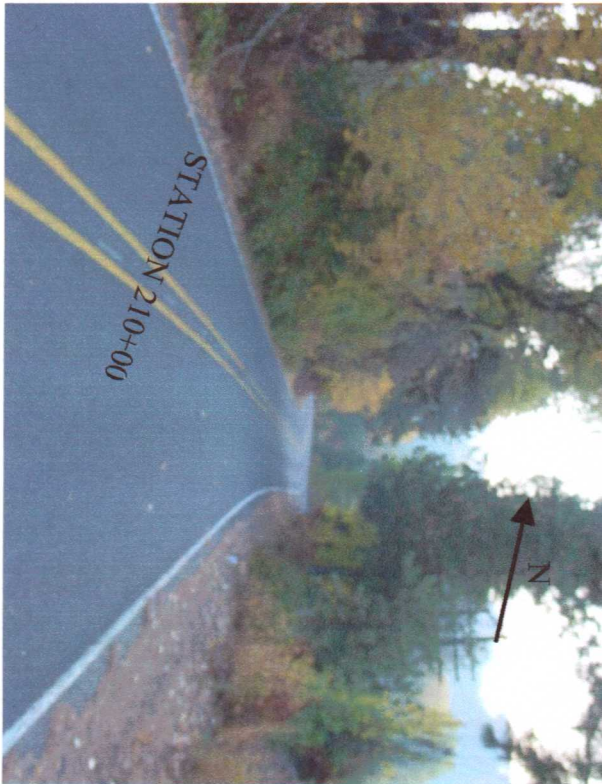
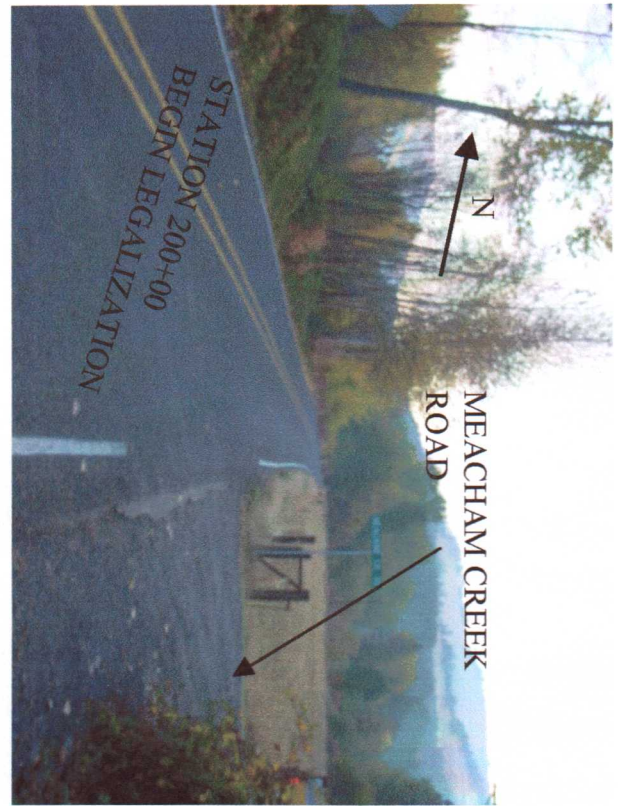
Date of Survey: October, 2002 Sheet 5 of 5

SURVEY RECORDS

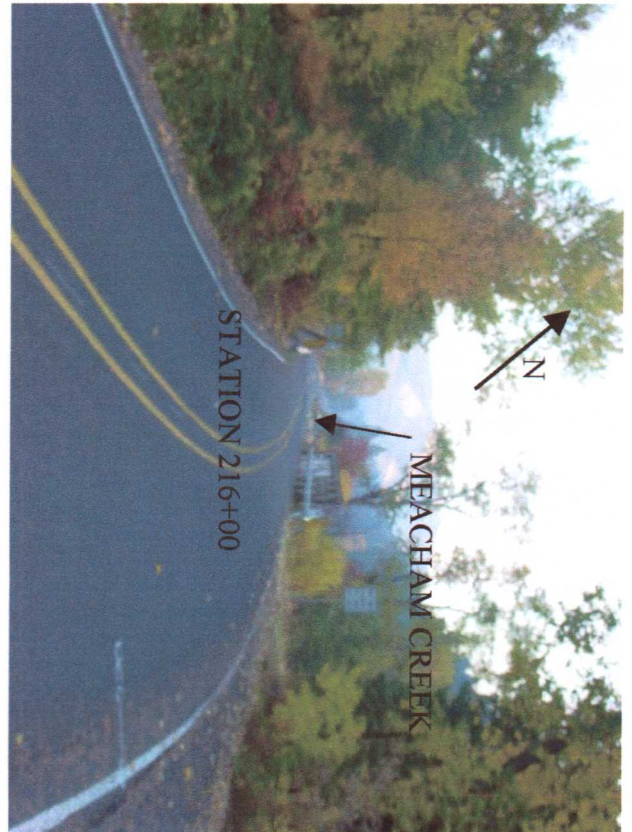
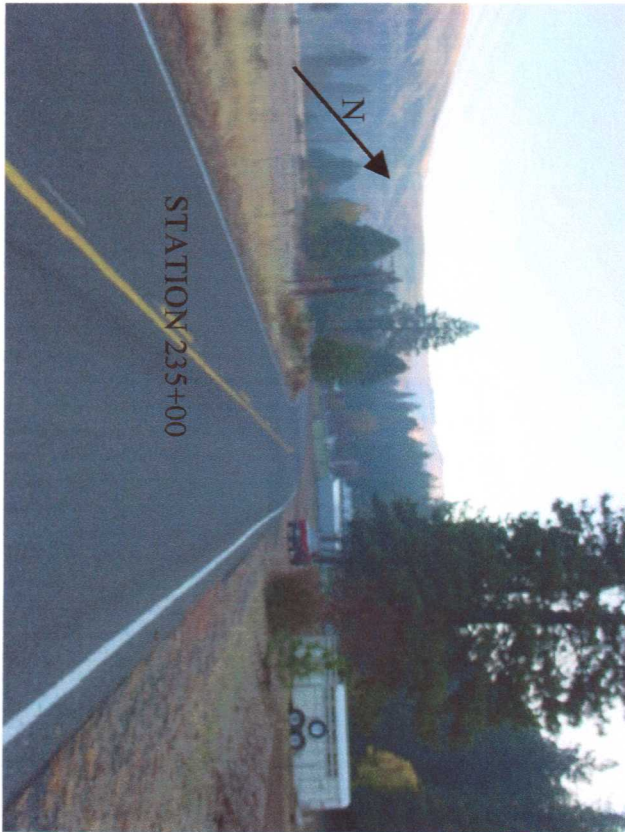
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- R-6 1919 Survey for U. S. Indian Service by C. E. Redfield.

CURVE TABLE

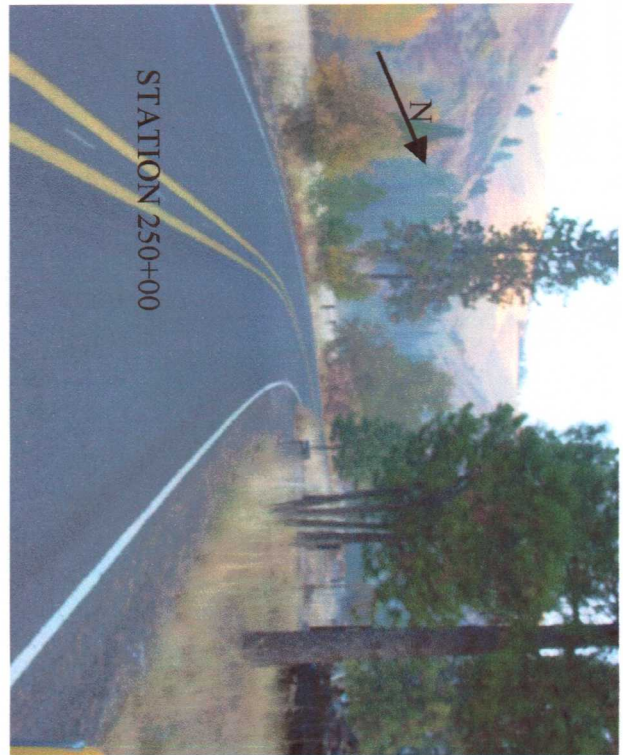
CURVE NO.	DELTA	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C1	1°40'37"	821.15'	24.03'	N73°13'28"E	24.03'
C2	2°54'00"	821.15'	41.56'	N70°56'07"E	41.56'
C3	3°50'22"	821.15'	57.04'	N72°08'34"E	57.03'
C4	3°20'35"	851.15'	49.66'	N68°33'05"E	49.66'
C5	5°22'28"	791.15'	74.21'	N71°22'31"E	74.18'
C6	9°25'22"	1380.82'	227.09'	N53°38'05"E	226.83'
C7	7°56'28"	1350.82'	187.22'	N54°22'32"E	187.07'
C8	6°20'27"	1320.82'	146.17'	N55°10'32"E	146.10'



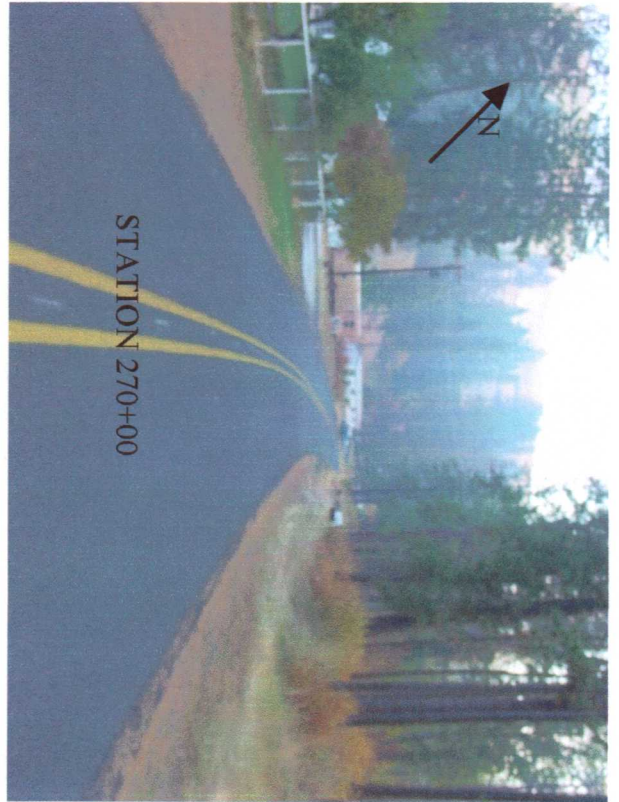
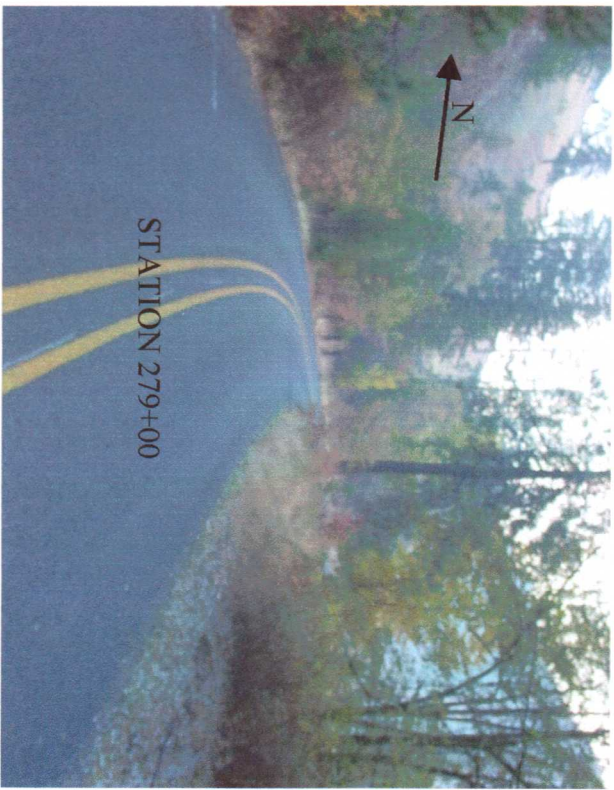
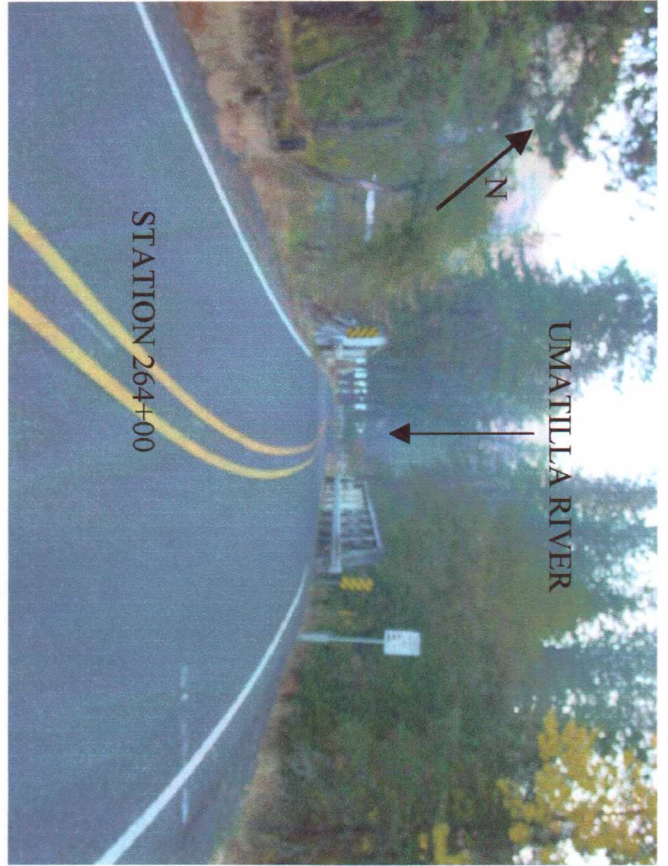
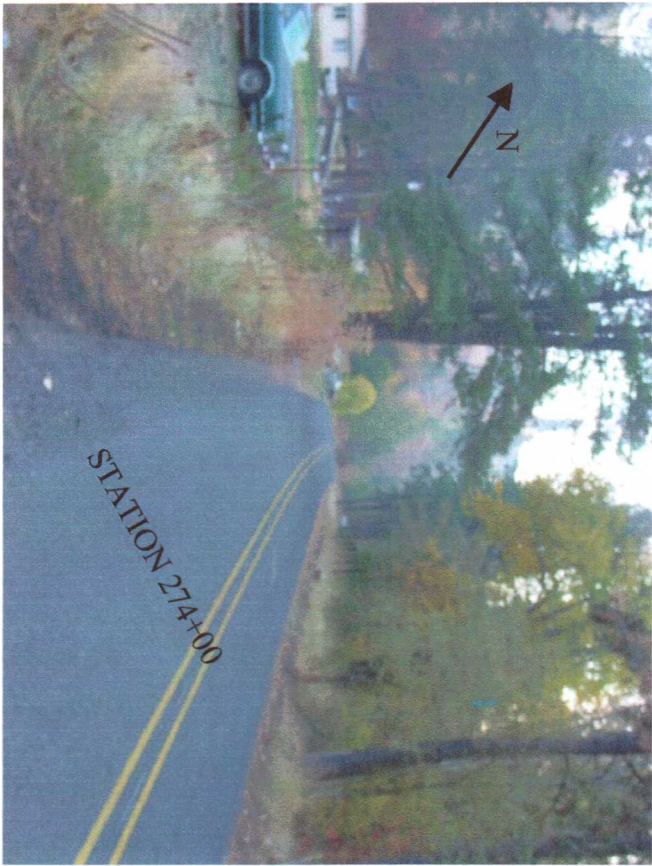
PAINTED CENTERLINE IS APPROXIMATELY COINCIDENTAL WITH R/W CENTERLINE



PAINTED CENTERLINE IS APPROXIMATELY COINCIDENTAL WITH R/W CENTERLINE



PAINTED CENTERLINE IS APPROXIMATELY COINCIDENTAL WITH R/W CENTERLINE EXCEPT NEAR STATION 257+00



PAINTED CENTERLINE IS APPROXIMATELY COINCIDENTAL WITH R/W CENTERLINE



PAINTED CENTERLINE IS APPROXIMATELY COINCIDENTAL WITH R/W CENTERLINE