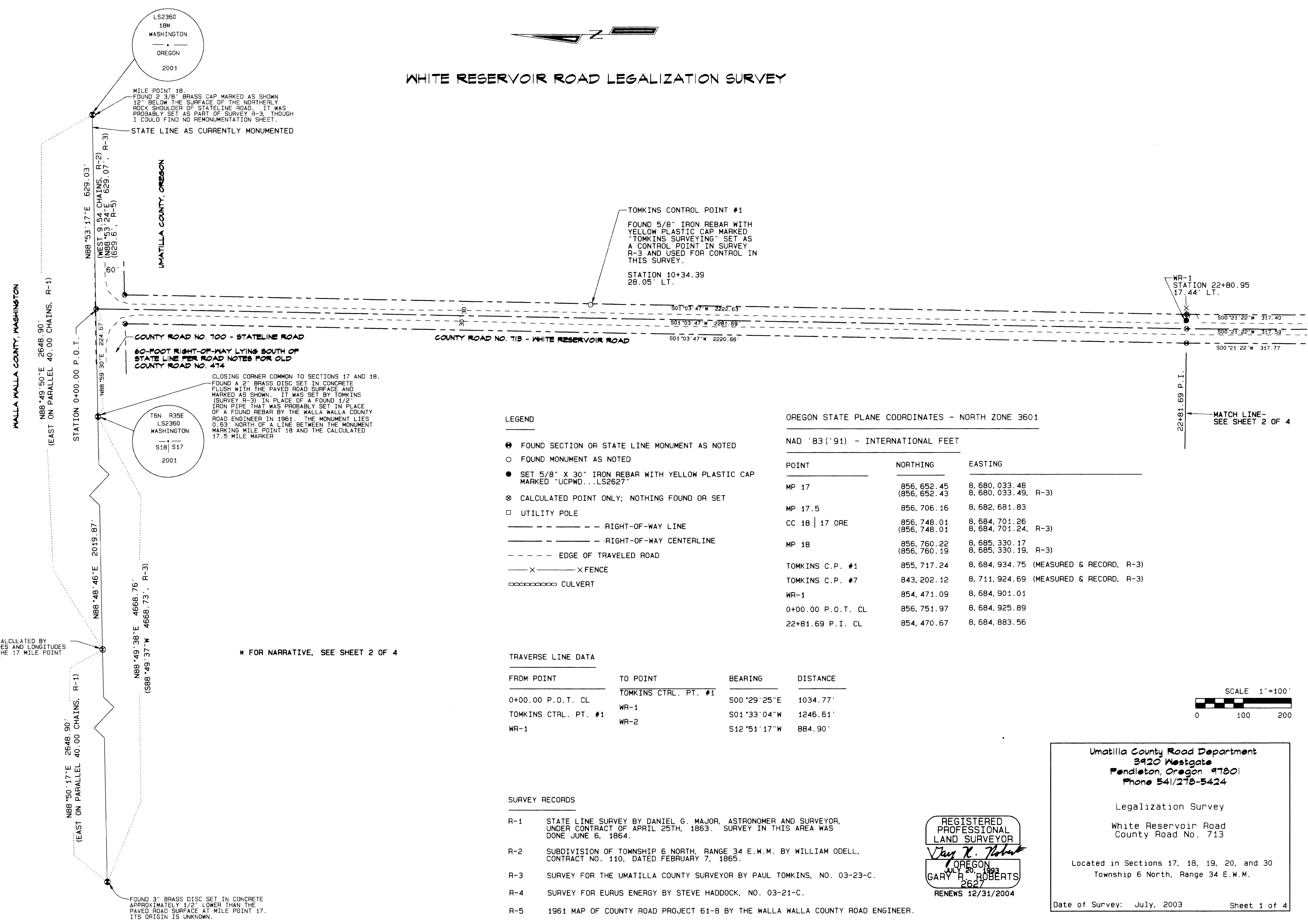


WHITE RESERVOIR ROAD LEGALIZATION SURVEY



NOTE: 17.5 MILE POINT WAS CALCULATED BY AVERAGING THE LATITUDES AND LONGITUDES OF THE MONUMENTS AT THE 17 MILE POINT AND THE 18 MILE POINT

* FOR NARRATIVE, SEE SHEET 2 OF 4

LEGEND

- FOUND SECTION OR STATE LINE MONUMENT AS NOTED
- FOUND MONUMENT AS NOTED
- SET 5/8" X 30" IRON REBAR WITH YELLOW PLASTIC CAP MARKED "UCPWD...LS2627"
- ⊗ CALCULATED POINT ONLY; NOTHING FOUND OR SET
- UTILITY POLE
- RIGHT-OF-WAY LINE
- - - - - RIGHT-OF-WAY CENTERLINE
- - - - - EDGE OF TRAVELED ROAD
- x — FENCE
- ⊘ CULVERT

TRAVERSE LINE DATA

FROM POINT	TO POINT	BEARING	DISTANCE
0+00.00 P.O.T. CL	TOMKINS CTRL. PT. #1	S00°29'25"E	1034.77'
TOMKINS CTRL. PT. #1	WR-1	S01°33'04"W	1246.61'
WR-1	WR-2	S12°51'17"W	884.90'

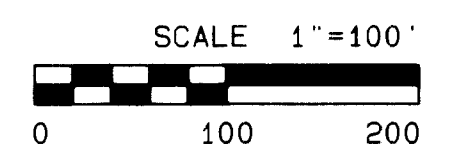
SURVEY RECORDS

- R-1 STATE LINE SURVEY BY DANIEL G. MAJOR, ASTRONOMER AND SURVEYOR, UNDER CONTRACT OF APRIL 25TH, 1863. SURVEY IN THIS AREA WAS DONE JUNE 6, 1864.
- R-2 SUBDIVISION OF TOWNSHIP 6 NORTH, RANGE 34 E.W.M. BY WILLIAM ODELL, CONTRACT NO. 110, DATED FEBRUARY 7, 1865.
- R-3 SURVEY FOR THE UMATILLA COUNTY SURVEYOR BY PAUL TOMKINS, NO. 03-23-C.
- R-4 SURVEY FOR EURUS ENERGY BY STEVE HADDOCK, NO. 03-21-C.
- R-5 1961 MAP OF COUNTY ROAD PROJECT 61-8 BY THE WALLA WALLA COUNTY ROAD ENGINEER.

OREGON STATE PLANE COORDINATES - NORTH ZONE 3601

NAD '83 ('91) - INTERNATIONAL FEET

POINT	NORTHING	EASTING
MP 17	856,652.45 (856,652.43)	8,680,033.48 8,680,033.49, R-3
MP 17.5	856,706.16	8,682,681.83
CC 18 17 ORE	856,748.01 (856,748.01)	8,684,701.26 8,684,701.24, R-3
MP 18	856,760.22 (856,760.19)	8,685,330.17 8,685,330.19, R-3
TOMKINS C.P. #1	855,717.24	8,684,934.75 (MEASURED & RECORD, R-3)
TOMKINS C.P. #7	843,202.12	8,711,924.69 (MEASURED & RECORD, R-3)
WR-1	854,471.09	8,684,901.01
0+00.00 P.O.T. CL	856,751.97	8,684,925.89
22+81.69 P.I. CL	854,470.67	8,684,883.56



REGISTERED PROFESSIONAL LAND SURVEYOR
Gary R. Roberts
 OREGON
 GARY R. ROBERTS
 2627
 RENEWS 12/31/2004

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

Legalization Survey

White Reservoir Road
 County Road No. 713

Located in Sections 17, 18, 19, 20, and 30
 Township 6 North, Range 34 E.W.M.

Date of Survey: July, 2003 Sheet 1 of 4

RECEIVED BY
 Umatilla County Surveyor
 Date 2-03
 Rec'd By KK
 No. 03-131-C



WHITE RESERVOIR ROAD LEGALIZATION SURVEY

Survey Narrative

This survey was performed at the request of the Umatilla County Board of Commissioners. Its purpose was to monument County Road No. 713, White Reservoir Road, for a road legalization after it was discovered that no records exist documenting its current traveled location, though documentation, including a petition from area property owners to construct the road and correspondence concerning right-of-way width and obtaining deeds is on file. The road has been referred to as Road No. 284 (old number), but Road 284 is nowhere near the traveled road as can be seen on Sheet 4 of this survey. Eurus Energy is in the process of constructing the Combine Hills Wind Turbine Project and needs the road for access.

An ownership gap possibly exists at the south end of the road. The description for the parcel south of the fence (currently Tax Lot 3900 owned by James Schubert) does not call for the line from the 1/4 corner to the northeast 1/16th corner, but instead calls for a line from a point 80 rods east of the north 1/16th corner on the north-south centerline of Section 30 to the north 1/4 corner. Tax lot 701 on the north side of the fence (owned by James and Carol Kessler) is described along the line between the north 1/4 corner and northeast 1/16th corner. Because the lengths between 1/16th corners are longer than 1320' (80 rods) in this area, a gap is created. Because of this possibility, the right-of-way was extended far enough south to ensure access was given to the Schubert property.

Control for this survey was established with a static GPS network that included Control Points #1 and #7 from Tomkins' survey for Umatilla County (#03-23-C) and monuments set in this survey (WR-1, WR-2, WR-3, WR-4, WR-5, WR-6, and WR-7). The network was constrained between the recorded values for Tomkins' monuments. Section and state line monuments were tied in using RTK. Equipment used was a Sokkia Radian GPS system. Section and state line bearings and distances shown on this survey are NAD '83 ('91) grid. To obtain true bearings, rotate those shown by 1°20'39" clockwise. To obtain ground distances, divide those shown by 0.999969803.

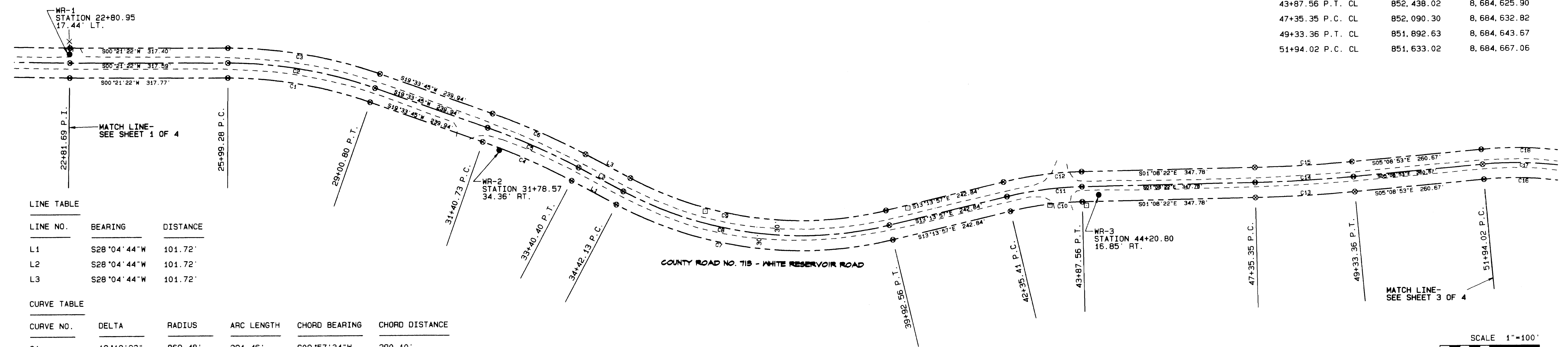
SURVEY RECORDS

- R-1 STATE LINE SURVEY BY DANIEL G. MAJOR, ASTRONOMER AND SURVEYOR, UNDER CONTRACT OF APRIL 25TH, 1863. SURVEY IN THIS AREA WAS DONE JUNE 6, 1864.
- R-2 SUBDIVISION OF TOWNSHIP 6 NORTH, RANGE 34 E.W.M. BY WILLIAM ODELL, CONTRACT NO. 110, DATED FEBRUARY 7, 1865.
- R-3 SURVEY FOR THE UMATILLA COUNTY SURVEYOR BY PAUL TOMKINS, NO. 03-23-C.
- R-4 SURVEY FOR EURUS ENERGY BY STEVE HADDOCK, NO. 03-21-C.
- R-5 1961 MAP OF COUNTY ROAD PROJECT 61-8 BY THE WALLA WALLA COUNTY ROAD ENGINEER.

OREGON STATE PLANE COORDINATES - NORTH ZONE 3601

NAD '83 ('91) - INTERNATIONAL FEET

POINT	NORTHING	EASTING
WR-1	854,471.09	8,684,901.01
WR-2	853,608.36	8,684,704.13
WR-3	852,404.46	8,684,609.71
22+81.69 P.I. CL	854,470.67	8,684,883.56
25+99.28 P.C. CL	854,153.09	8,684,881.59
29+00.80 P.T. CL	853,857.50	8,684,829.68
31+40.73 P.C. CL	853,631.42	8,684,749.34
33+40.40 P.T. CL	853,448.92	8,684,668.78
34+42.13 P.C. CL	853,359.17	8,684,620.89
39+92.56 P.T. CL	852,825.10	8,684,551.31
42+35.41 P.C. CL	852,588.70	8,684,606.90
43+87.56 P.T. CL	852,438.02	8,684,625.90
47+35.35 P.C. CL	852,090.30	8,684,632.82
49+33.36 P.T. CL	851,892.63	8,684,643.67
51+94.02 P.C. CL	851,633.02	8,684,667.06



LINE TABLE

LINE NO.	BEARING	DISTANCE
L1	S28°04'44"W	101.72'
L2	S28°04'44"W	101.72'
L3	S28°04'44"W	101.72'

CURVE TABLE

CURVE NO.	DELTA	RADIUS	ARC LENGTH	CHORD BEARING	CHORD DISTANCE
C1	19°12'23"	869.48'	291.46'	S09°57'34"W	290.10'
C2	19°12'23"	899.48'	301.52'	S09°57'34"W	300.11'
C3	19°12'23"	929.48'	311.58'	S09°57'34"W	310.12'
C4	08°30'58"	1313.37'	195.21'	S23°49'14"W	195.03'
C5	08°30'58"	1343.37'	199.67'	S23°49'14"W	199.49'
C6	08°30'58"	1373.37'	204.13'	S23°49'14"W	203.94'
C7	41°18'41"	793.41'	572.06'	S07°25'23"W	559.75'
C8	41°18'41"	763.41'	550.43'	S07°25'23"W	538.59'
C9	41°18'41"	733.41'	528.80'	S07°25'23"W	517.42'
C10	12°05'34"	690.92'	145.83'	S07°11'10"E	145.56'
C11	12°05'34"	720.92'	152.16'	S07°11'10"E	151.88'
C12	12°05'34"	750.92'	158.49'	S07°11'10"E	158.20'
C13	04°00'29"	2860.59'	200.11'	S03°08'39"E	200.07'
C14	04°00'29"	2830.59'	198.01'	S03°08'39"E	197.97'
C15	04°00'29"	2800.59'	195.91'	S03°08'39"E	195.87'

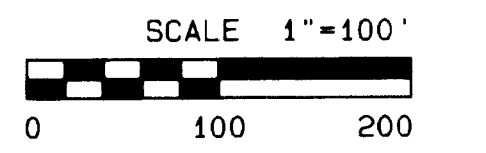
LEGEND

- FOUND SECTION OR STATE LINE MONUMENT AS NOTED
- FOUND MONUMENT AS NOTED
- SET 5/8" X 30" IRON REBAR WITH YELLOW PLASTIC CAP MARKED "UCPHD...LS2627"
- ⊗ CALCULATED POINT ONLY; NOTHING FOUND OR SET
- UTILITY POLE
- RIGHT-OF-WAY LINE
- - - RIGHT-OF-WAY CENTERLINE
- - - EDGE OF TRAVELED ROAD
- X-X- FENCE
- CULVERT

TRAVERSE LINE DATA

FROM POINT	TO POINT	BEARING	DISTANCE
WR-1	WR-2	S12°51'17"W	884.90'
WR-2	WR-3	S04°29'05"W	1207.61'
WR-3	WR-4	S03°52'39"E	962.87'

REGISTERED
PROFESSIONAL
LAND SURVEYOR
Gary R. Roberts
OREGON
JUL 20 1993
GARY R. ROBERTS
2627
RENEWS 12/31/2004



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

Legalization Survey
White Reservoir Road
County Road No. 713

Located in Sections 17, 18, 19, 20, and 30
Township 6 North, Range 34 E.W.M.

Date of Survey: July, 2003 Sheet 2 of 4

RECEIVED BY
Umatilla County Surveyor
Date 7-03
Rec'd By KK
No. 03-131-C

03-131-C



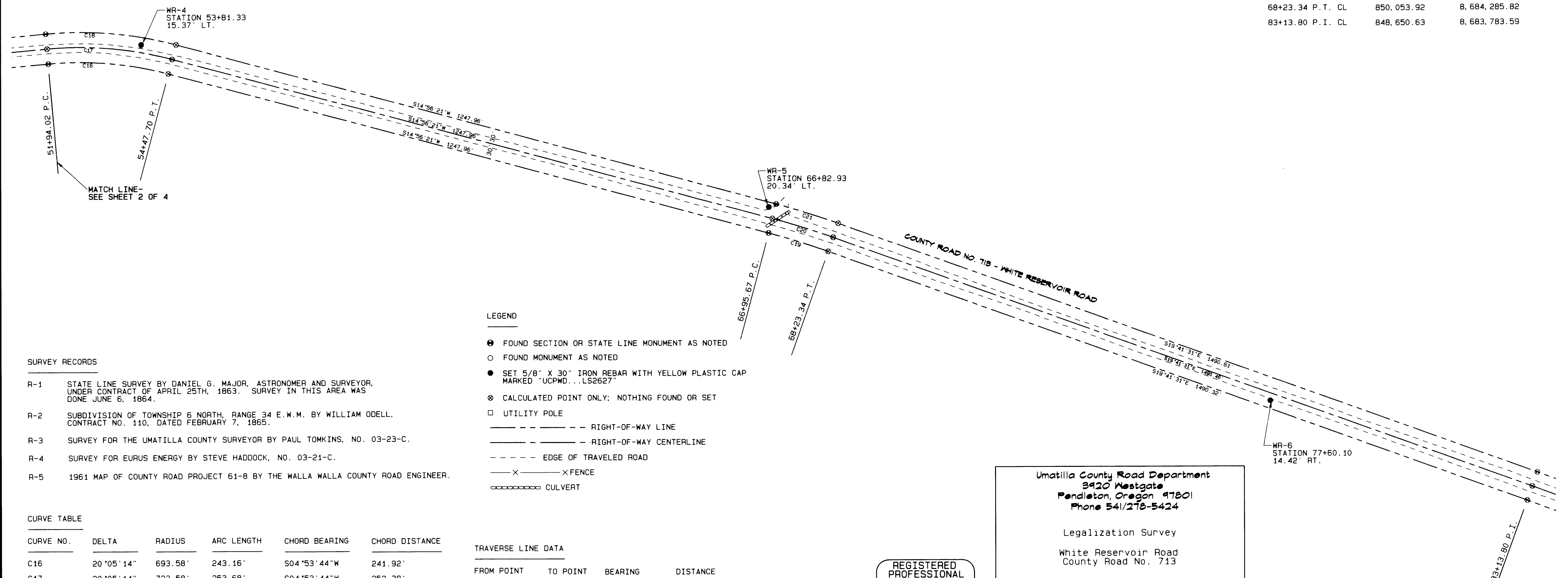
WHITE RESERVOIR ROAD LEGALIZATION SURVEY

OREGON STATE PLANE COORDINATES - NORTH ZONE 3601

NAD '83 ('91) - INTERNATIONAL FEET

POINT	NORTHING	EASTING
WR-4	851,443.79	8,684,674.82
WR-5	850,182.84	8,684,346.75
WR-6	849,176.80	8,683,956.59
51+94.02 P.C. CL	851,633.02	8,684,667.06
54+47.70 P.T. CL	851,381.55	8,684,645.52
66+95.67 P.C. CL	850,175.77	8,684,323.81
68+23.34 P.T. CL	850,053.92	8,684,285.82
83+13.80 P.I. CL	848,650.63	8,683,783.59

* FOR NARRATIVE, SEE SHEET 2 OF 4



SURVEY RECORDS

- R-1 STATE LINE SURVEY BY DANIEL G. MAJOR, ASTRONOMER AND SURVEYOR, UNDER CONTRACT OF APRIL 25TH, 1863. SURVEY IN THIS AREA WAS DONE JUNE 6, 1864.
- R-2 SUBDIVISION OF TOWNSHIP 6 NORTH, RANGE 34 E.W.M. BY WILLIAM ODELL, CONTRACT NO. 110, DATED FEBRUARY 7, 1865.
- R-3 SURVEY FOR THE UMATILLA COUNTY SURVEYOR BY PAUL TOMKINS, NO. 03-23-C.
- R-4 SURVEY FOR EURUS ENERGY BY STEVE HADDOCK, NO. 03-21-C.
- R-5 1961 MAP OF COUNTY ROAD PROJECT 61-8 BY THE WALLA WALLA COUNTY ROAD ENGINEER.

LEGEND

- FOUND SECTION OR STATE LINE MONUMENT AS NOTED
- FOUND MONUMENT AS NOTED
- SET 5/8" X 30" IRON REBAR WITH YELLOW PLASTIC CAP MARKED "UCPWD...LS2627"
- ⊗ CALCULATED POINT ONLY; NOTHING FOUND OR SET
- UTILITY POLE
- RIGHT-OF-WAY LINE
- RIGHT-OF-WAY CENTERLINE
- EDGE OF TRAVELED ROAD
- X --- FENCE
- ⊖ CULVERT

CURVE TABLE

CURVE NO.	DELTA	RADIUS	ARC LENGTH	CHORD BEARING	CHORD DISTANCE
C16	20°05'14"	693.58'	243.16'	S04°53'44"W	241.92'
C17	20°05'14"	723.58'	253.68'	S04°53'44"W	252.38'
C18	20°05'14"	753.58'	264.20'	S04°53'44"W	262.85'
C19	04°45'09"	1509.19'	125.18'	S17°18'56"W	125.15'
C20	04°45'09"	1539.19'	127.67'	S17°18'56"W	127.63'
C21	04°45'09"	1569.19'	130.16'	S17°18'56"W	130.12'

TRAVERSE LINE DATA

FROM POINT	TO POINT	BEARING	DISTANCE
WR-3	WR-4	S03°52'39"E	962.87'
WR-4	WR-5	S14°35'01"W	1302.93'
WR-5	WR-6	S21°11'51"W	1079.05'
WR-6	WR-7	S18°03'28"W	1075.84'

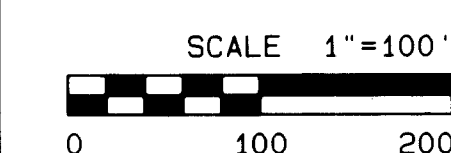
REGISTERED PROFESSIONAL LAND SURVEYOR
Jay R. Roberts
 JUL 20, 1993
 GARY R. ROBERTS
 2627
 RENEWS 12/31/2004

Umatilla County Road Department
 3420 Westgate
 Pendleton, Oregon 97801
 Phone 541/278-5424

Legalization Survey
 White Reservoir Road
 County Road No. 718

Located in Sections 17, 18, 19, 20, and 30
 Township 6 North, Range 34 E.W.M.

Date of Survey: July, 2003 Sheet 3 of 4



MATCH LINE - SEE SHEET 4 OF 4

RECEIVED BY
 Umatilla County Surveyor
 Date 7-03
 Rec'd By KR
 No. 03-181-0

