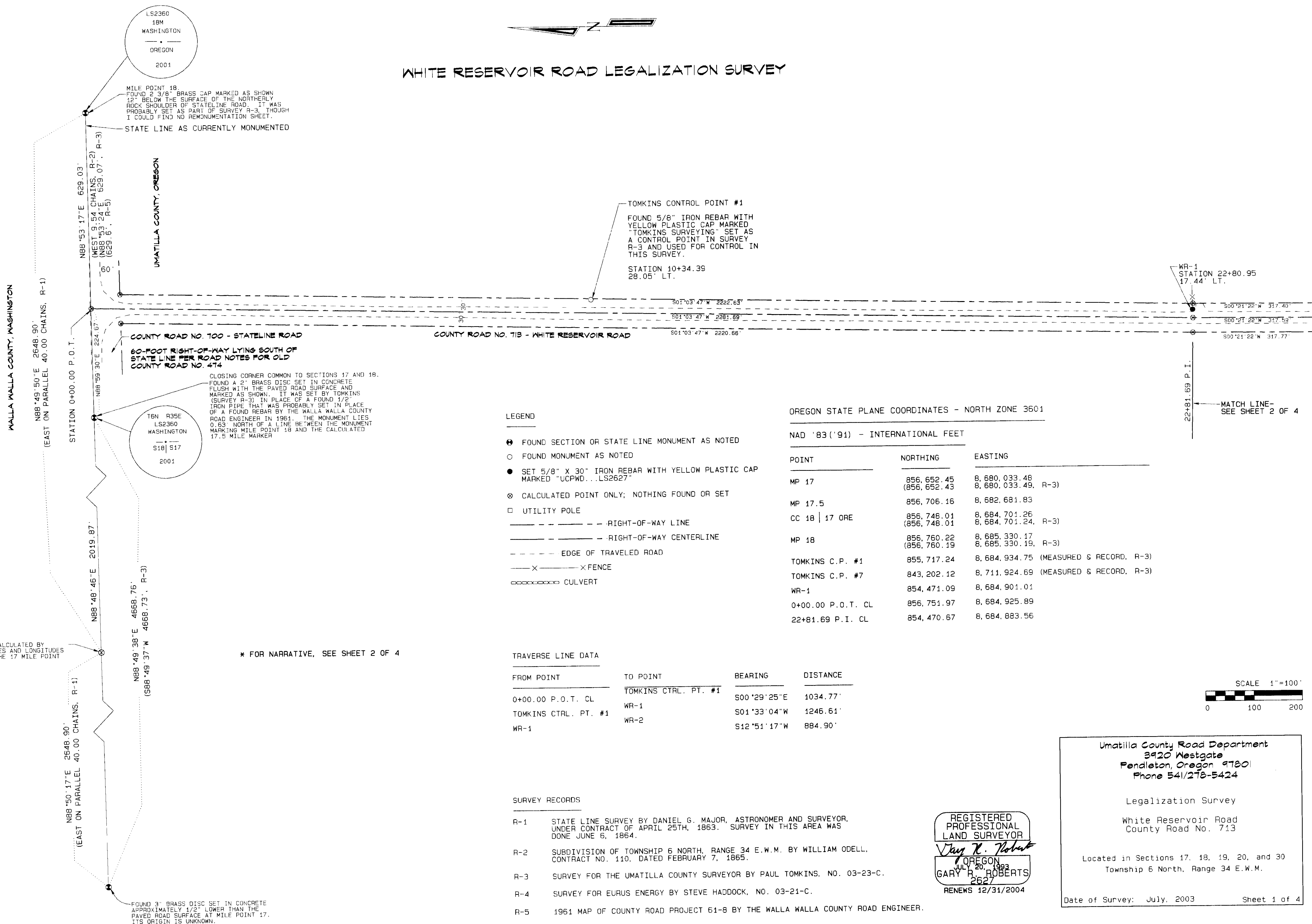


# WHITE RESERVOIR ROAD LEGALIZATION SURVEY



MILE POINT 18  
FOUND 2 3/8" BRASS CAP MARKED AS SHOWN  
12" BELOW THE SURFACE OF THE NORTHERLY  
ROAD SHOULDER OF STATELINE ROAD. IT WAS  
PROBABLY SET AS PART OF SURVEY R-3, THOUGH  
I COULD FIND NO REMONUMENTATION SHEET.

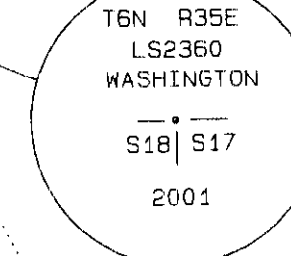
STATE LINE AS CURRENTLY MONUMENTED

UMATILLA COUNTY, OREGON

TOMKINS CONTROL POINT #1  
FOUND 5/8" IRON REBAR WITH  
YELLOW PLASTIC CAP MARKED  
"TOMKINS SURVEYING" SET AS  
A CONTROL POINT IN SURVEY  
R-3 AND USED FOR CONTROL IN  
THIS SURVEY.  
STATION 10+34.39  
28.05' LT.

COUNTY ROAD NO. 700 - STATELINE ROAD  
60-FOOT RIGHT-OF-WAY LYING SOUTH OF  
STATE LINE PER ROAD NOTES FOR OLD  
COUNTY ROAD NO. 474

CLOSING CORNER COMMON TO SECTIONS 17 AND 18.  
FOUND A 2" BRASS DISC SET IN CONCRETE  
FLUSH WITH THE PAVED ROAD SURFACE AND  
MARKED AS SHOWN. IT WAS SET BY TOMKINS  
(SURVEY R-3) IN PLACE OF A FOUND 1/2"  
IRON PIPE THAT WAS PROBABLY SET IN PLACE  
OF A FOUND REBAR BY THE WALLA WALLA COUNTY  
ROAD ENGINEER IN 1961. THE MONUMENT LIES  
0.63' NORTH OF A LINE BETWEEN THE MONUMENT  
MARKING MILE POINT 18 AND THE CALCULATED  
17.5 MILE MARKER



### 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 --- X FENCE
- ⊘ CULVERT

### 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

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

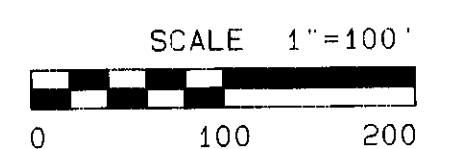
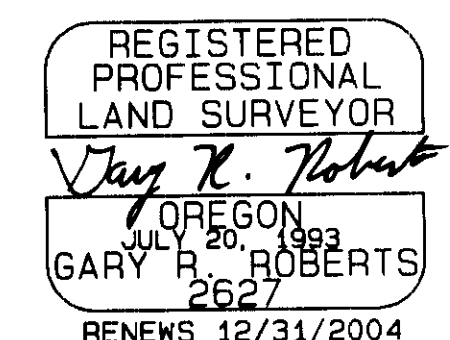
\* FOR NARRATIVE, SEE SHEET 2 OF 4

### 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.



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 9-03  
Rec'd By RK  
No. 03-131-C

# WHITE RESERVOIR ROAD LEGALIZATION SURVEY

OREGON STATE PLANE COORDINATES - NORTH ZONE 3601

**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.
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- R-5 1961 MAP OF COUNTY ROAD PROJECT 61-8 BY THE WALLA WALLA COUNTY ROAD ENGINEER.

**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.

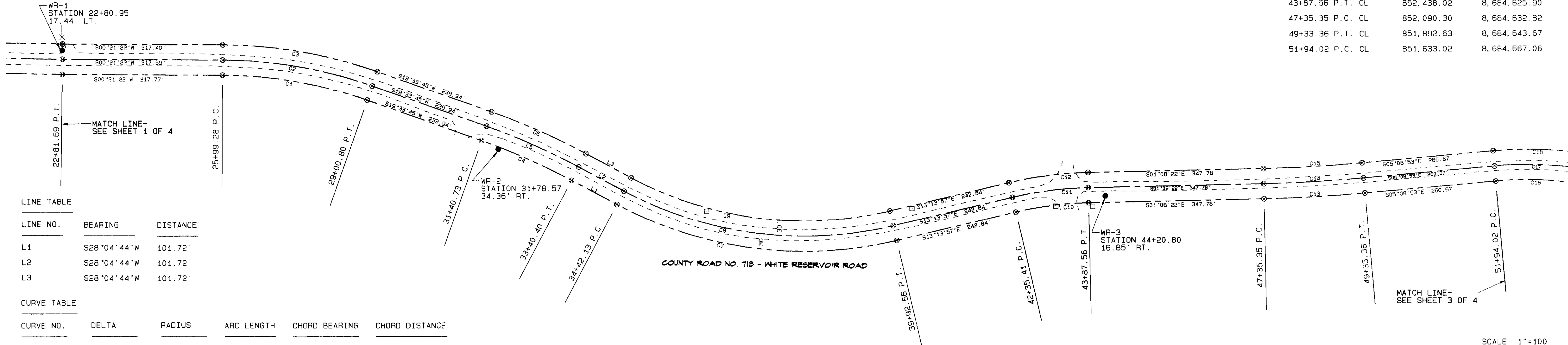
An ownership gap possibly exists at the south end of the road. The description for the parcel south of the fence (currently Tax Lot 3900 owned by James Schubert) does not call for the line from the 1/4 corner to the northeast 1/16th corner, but instead calls for a line from a point 80 rods east of the 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.

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.

**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	8,684,506.90
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**

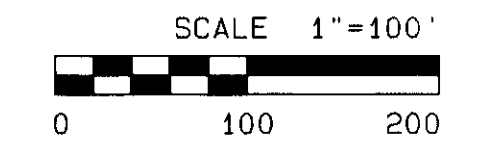
CURVE NO.	DELTA	RADIUS	ARC LENGTH	CHORD BEARING	CHORD DISTANCE
C1	19°12'23"	869.48'	291.46'	S09°57'34"W	290.10'
C2	19°12'23"	899.48'	301.52'	S09°57'34"W	300.11'
C3	19°12'23"	929.48'	311.58'	S09°57'34"W	310.12'
C4	08°30'58"	1313.37'	195.21'	S23°49'14"W	195.03'
C5	08°30'58"	1343.37'	199.67'	S23°49'14"W	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 "UCPWD...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  
*Jay Z. Schubert*  
OREGON  
JULY 20, 1993  
GARY B. 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

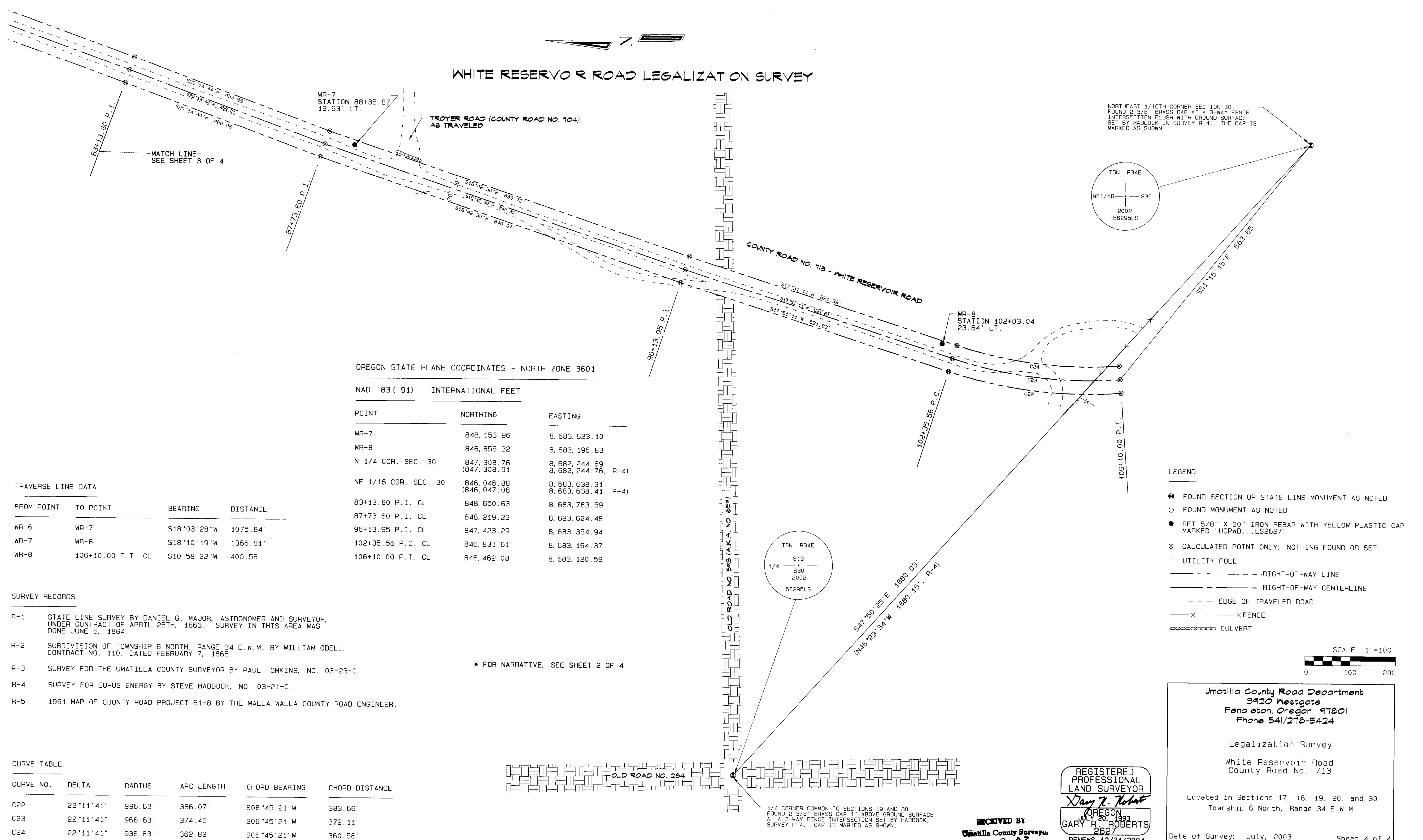
Located in Sections 17, 18, 19, 20, and 30  
Township 6 North, Range 34 E.W.M.

Date of Survey: July, 2003 Sheet 2 of 4

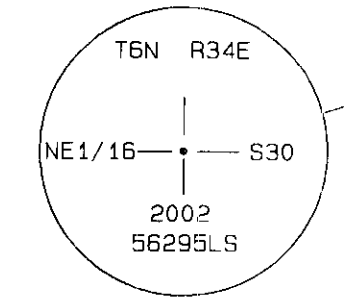
**RECEIVED BY**  
Umatilla County Surveyor  
Date 7-03  
Rec'd By KK  
No. 03-131-C



# WHITE RESERVOIR ROAD LEGALIZATION SURVEY



NORTHEAST 1/16TH CORNER SECTION 30,  
FOUND 2 3/8" BRASS CAP AT A 3-WAY FENCE  
INTERSECTION FLUSH WITH GROUND SURFACE  
SET BY HADDOCK IN SURVEY R-4. THE CAP IS  
MARKED AS SHOWN.



### OREGON STATE PLANE COORDINATES - NORTH ZONE 3601

#### NAD '83 ('91) - INTERNATIONAL FEET

POINT	NORTHING	EASTING
WR-7	848,153.96	8,683,623.10
WR-8	846,855.32	8,683,196.83
N 1/4 COR. SEC. 30	847,308.76 (847,308.91)	8,682,244.69 (8,682,244.76, R-4)
NE 1/16 COR. SEC. 30	846,046.88 (846,047.08)	8,683,638.31 (8,683,638.41, R-4)
83+13.80 P.I. CL	848,650.63	8,683,783.59
87+73.60 P.I. CL	848,219.23	8,683,624.48
96+13.95 P.I. CL	847,423.29	8,683,354.94
102+35.56 P.C. CL	846,831.61	8,683,164.37
106+10.00 P.T. CL	846,462.08	8,683,120.59

#### TRAVERSE LINE DATA

FROM POINT	TO POINT	BEARING	DISTANCE
WR-6	WR-7	S18°03'28"W	1075.84'
WR-7	WR-8	S18°10'19"W	1366.81'
WR-8	106+10.00 P.T. CL	S10°58'22"W	400.56'

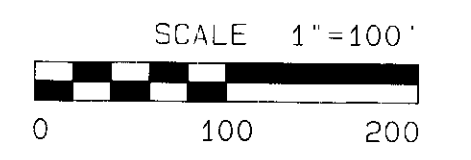
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  - R-3 SURVEY FOR THE UMATILLA COUNTY SURVEYOR BY PAUL TOMKINS, NO. 03-23-C.
  - R-4 SURVEY FOR EURUS ENERGY BY STEVE HADDOCK, NO. 03-21-C.
  - R-5 1961 MAP OF COUNTY ROAD PROJECT 61-8 BY THE WALLA WALLA COUNTY ROAD ENGINEER.

#### CURVE TABLE

CURVE NO.	DELTA	RADIUS	ARC LENGTH	CHORD BEARING	CHORD DISTANCE
C22	22°11'41"	996.63'	386.07'	S06°45'21"W	383.66'
C23	22°11'41"	966.63'	374.45'	S06°45'21"W	372.11'
C24	22°11'41"	936.63'	362.82'	S06°45'21"W	360.56'

\* 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 — X FENCE
  - ⊕ CULVERT



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Date of Survey: July, 2003 Sheet 4 of 4

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR

*Gary R. Roberts*  
JUL 20, 1993  
GARY R. ROBERTS  
2627  
RENEWS 12/31/2004

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

1/4 CORNER COMMON TO SECTIONS 19 AND 30,  
FOUND 2 3/8" BRASS CAP 1" ABOVE GROUND SURFACE  
AT A 3-WAY FENCE INTERSECTION SET BY HADDOCK,  
SURVEY R-4. CAP IS MARKED AS SHOWN.