

SURVEY FOR THE LEGALIZATION OF COUNTY ROAD 773

NARRATIVE OF SURVEY

This survey was performed at the request of Mr. Bill Alexander of Bill Alexander Forestry in Pendleton, Oregon, on behalf of EURUS ENERGY AMERICA CO. The purpose of the survey was to provide a survey for use by Umatilla County in the legalization process for County Road 773. The control network for this survey was established in accordance with the requirements in ORS 209.155 (2) (b). The network was tied to the existing section corner monumentation as shown. The proposed right of way location was determined by measurements of the existing road surface. I calculated an average location of the existing structures centerline and held the proposed centerline within 1.5 feet of that line. The proposed right of way does not alter any of the existing access situations along this route.

This map was prepared for legalization only. There is no proposed construction. Because of this I did not locate any of the existing property corner monuments set along the roadway along the east half of the line between sections 5 and 32.

Note: The Boneville Power Administration power line along the south side of this roadway has a 50' right of way width. The BPA right of way overlaps into the County Road Right of Way but does not cross over to the north side of the township line.

SURVEY LEGEND

- | | | | |
|---|---------------------------------------------------------------------------------------|----------|-------------------------------------------------|
| ⊗ | CORNER MONUMENT ON SECTION LINES | —E— | OVERHEAD POWER LINES |
| ⊙ | POWER POLE | —X— | FENCE LINES |
| × | COMPUTED POINT | ---- | EDGE OF PAVING OR GRAVEL |
| ⊠ | TELEPHONE PEDESTAL | ===== | PROPOSED ROAD RIGHT OF WAY |
| ⊕ | BURIED NORTHWEST BELL CABLE | —C— | ROAD CENTERLINE |
| ○ | R/W CENTERLINE ANGLE POINT | —R— | RAILROAD RIGHT OF WAY |
| ● | SET 5/8" x 24" GREEN COATED IRON REBAR W/ AN ORANGE PLASTIC CAP STAMPED WTS & 56295LS | ←--- | DRIVEWAY / FIELD ACCESS OR POWER LINE CONTINUES |
| ■ | SET 1" x 24" IRON REBAR WITH A 2" ALUMINUM CAP STAMPED ROAD 773 AND 56295LS | DRV / FA | DRIVEWAY / FIELD ACCESS |
| | | AP1 | ANGLE POINT IN ROAD ALIGNMENT |
| | | CP1 | MONUMENTED POINT ON SURVEY CONTROL NET |

SURVEY REFERENCES

- | | |
|----|-----------------------------------------------------------|
| R1 | GLO CONTRACT #110 DATED FEBRUARY 7, 1865 BY ODELL & LEWIS |
| R2 | COUNTY SURVEY Q-837-A |
| R3 | COUNTY SURVEY I-89-AX |
| R4 | COUNTY SURVEY 00-151-C |
| R5 | BPA MILE MAPS 9610 THRU 9613 |
| R6 | NGS DATA SHEETS RB1314, RB1315, RB1352, RB0113 & RB0114. |
| R7 | ROAD SURVEY OF COUNTY RD'S C-1, 773 AND HENRY BARRETT RD. |
| R8 | GEODETIC SURVEY FOR UMATILLA COUNTY BY TOMKINS, 2001 |

Control Network for Rd. 773

The control network shown here was established with a Lieca System 300 RTK GPS. Efforts were made to insure intervisibility and to keep the monuments within the proposed county road right of way. Bearings, distances and coordinates are State Plane Grid, Oregon North zone, NAD 83-91. Note: The coordinates shown below are given to the fourth decimal place in order to calculate the bearings and distances shown on this map and are not intended to represent a statement of precision.

Control point	Bearing	Distance	Northing	Easting
SW S36			837716.2843	8706360.7516
POB	N88°22'25"E	1334.03ft	837754.1455	8707694.2484
CP1	N87°29'06"E	1100.10ft	837802.4187	8708793.2901
CP2	N88°19'51"E	2176.34ft	837865.8079	8710968.7044
NW S6	N89°59'01"E	640.73ft	837865.9916	8711609.4366
CP3	S89°08'38"E	802.51ft	837854.0030	8712411.8562
CP4	N89°10'03"E	1100.22ft	837869.9872	8713511.9552
CP5	N88°35'22"E	732.13ft	837888.0085	8714243.8644
CP6	N88°44'32"E	1181.80ft	837913.9500	8715425.3766
CP7	N88°25'17"E	850.09ft	837937.3674	8716275.1419
NE S6	N87°04'00"E	661.18ft	837971.2011	8716935.4579
CP8	S89°21'14"E	659.75ft	837963.7603	8717595.1627
CP9	N88°55'29"E	1034.59ft	837983.1740	8718629.5716
N1/4 S5	N87°39'19"E	961.33ft	838022.5045	8719590.0983
CP10	N89°35'41"E	1521.74ft	838033.2648	8721111.7972
NE S5	N87°57'29"E	1133.89ft	838073.6645	8722244.9661
CP11	S82°16'22"E	209.81ft	838045.4537	8722452.8726
CP12	N31°10'53"E	725.67ft	838666.2867	8722828.5874
CP13	N39°22'47"E	1084.08ft	839504.2326	8723516.3861
EOP	N00°44'05"W	1274.74ft	840778.8702	8723500.0384
W1/4 S33	S88°36'20"W	1332.83ft	840746.4326	8722167.6072

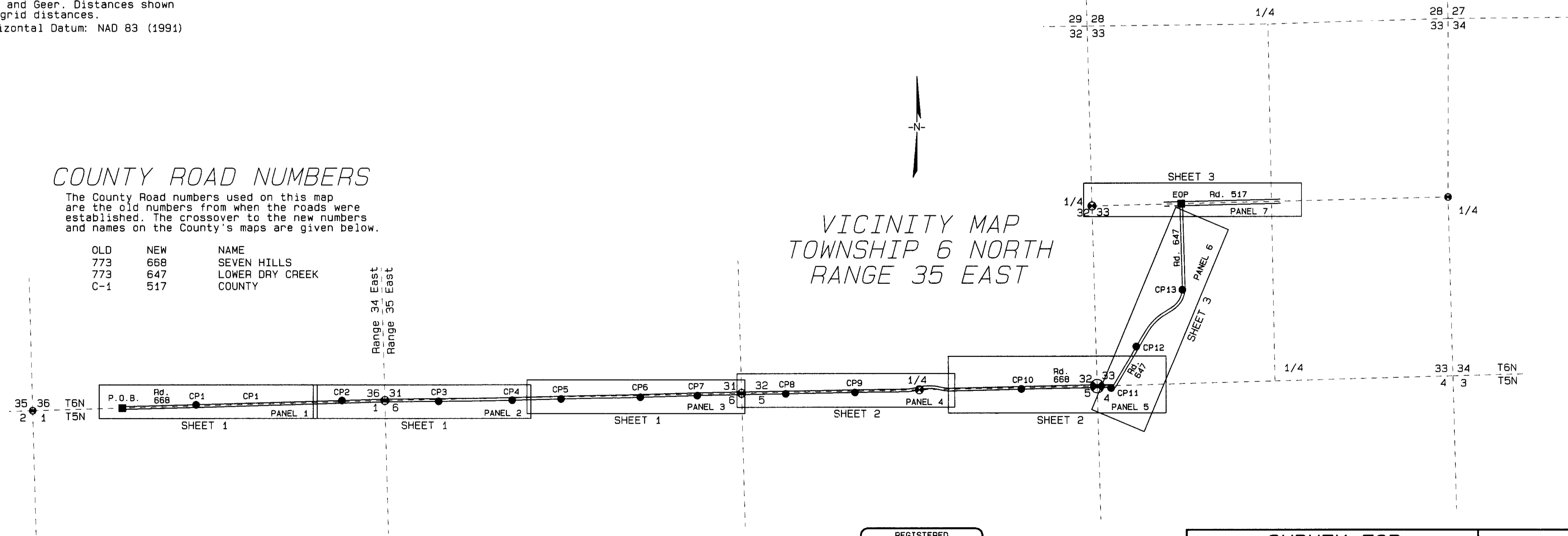
BASIS OF BEARINGS

Bearings shown are grid bearings based on GPS ties to Tri Stations Bada and Gear. Distances shown are grid distances.
Horizontal Datum: NAD 83 (1991)

COUNTY ROAD NUMBERS

The County Road numbers used on this map are the old numbers from when the roads were established. The crossover to the new numbers and names on the County's maps are given below.

OLD	NEW	NAME
773	668	SEVEN HILLS
773	647	LOWER DRY CREEK
C-1	517	COUNTY

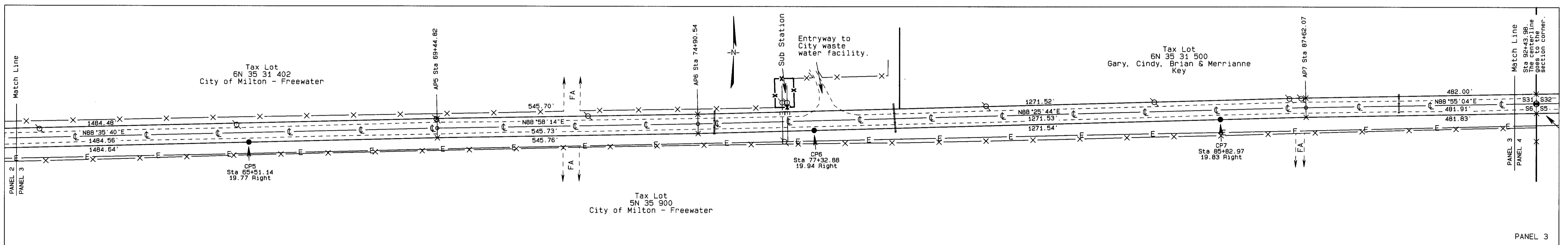
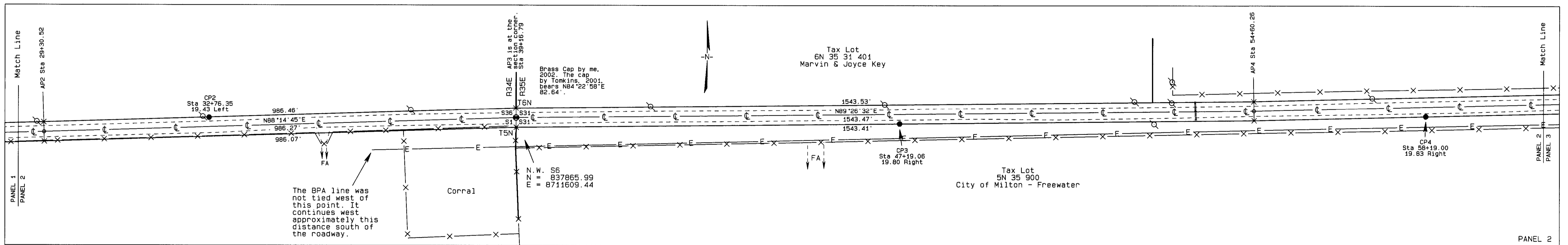
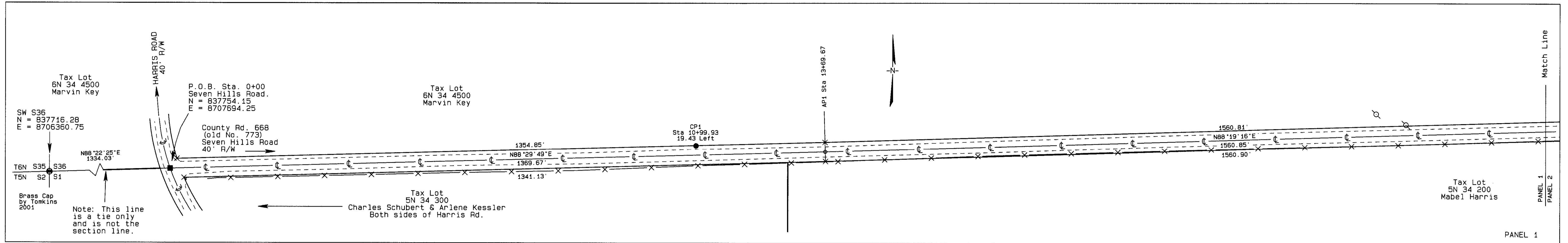


REGISTERED
PROFESSIONAL
LAND SURVEYOR
Stephen K. Haddock
OREGON
JULY 9, 2001
STEPHEN K. HADDOCK
56295LS
RENEWS 8-30-03

SURVEY FOR
EURUS ENERGY AMERICA, INC
402 W. BROADWAY, SUITE 1750
SAN DIEGO, CA 92101
T6N, R34E, S36 & T6N, R35E,
S31, S32 & S33, UMATILLA COUNTY, OR

PROJECT DATE: January 6, 2003	
PROJECT No.: 02-31	SCALE 1" = 1000'
WITNESS TREE SURVEYING	
Stephen K. Haddock, PLS P.O. Box 6 Pilot Rock, Oregon 97868 (541) 443-2922	

RECEIVED BY
Umatilla County Surveyor
Date: 7-03
Rec'd By: [Signature]
No.: 03-043-c



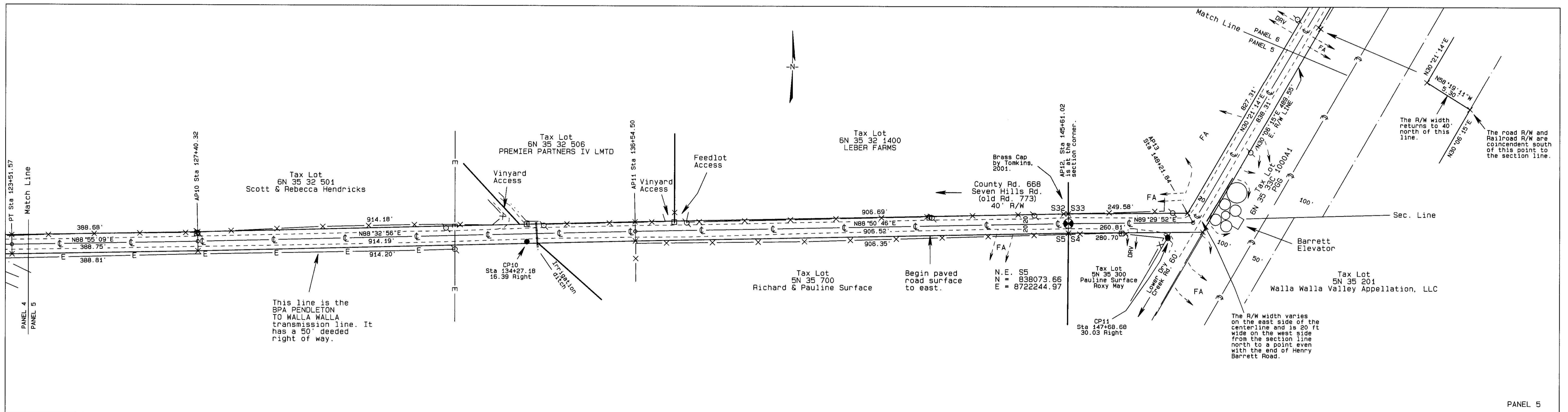
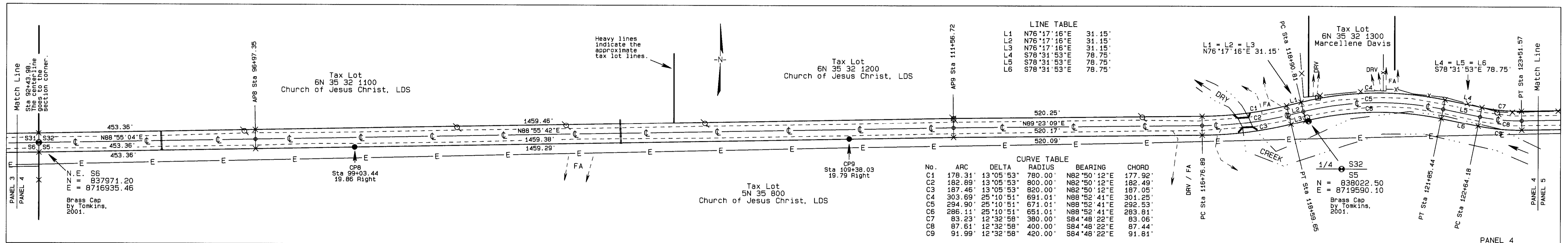
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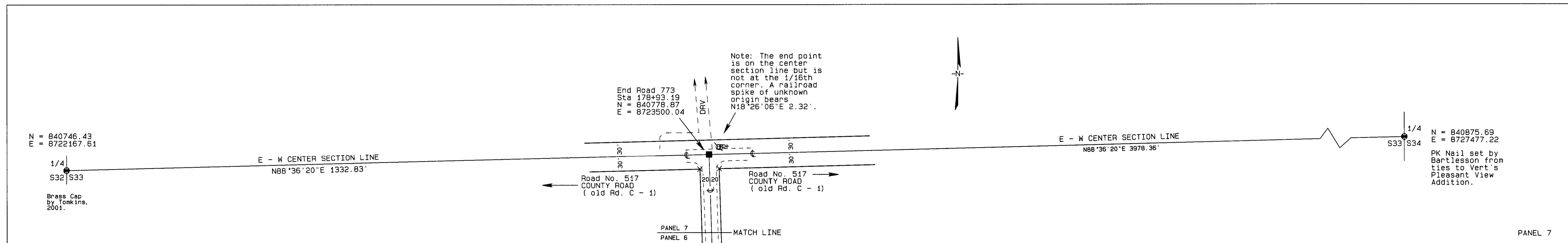
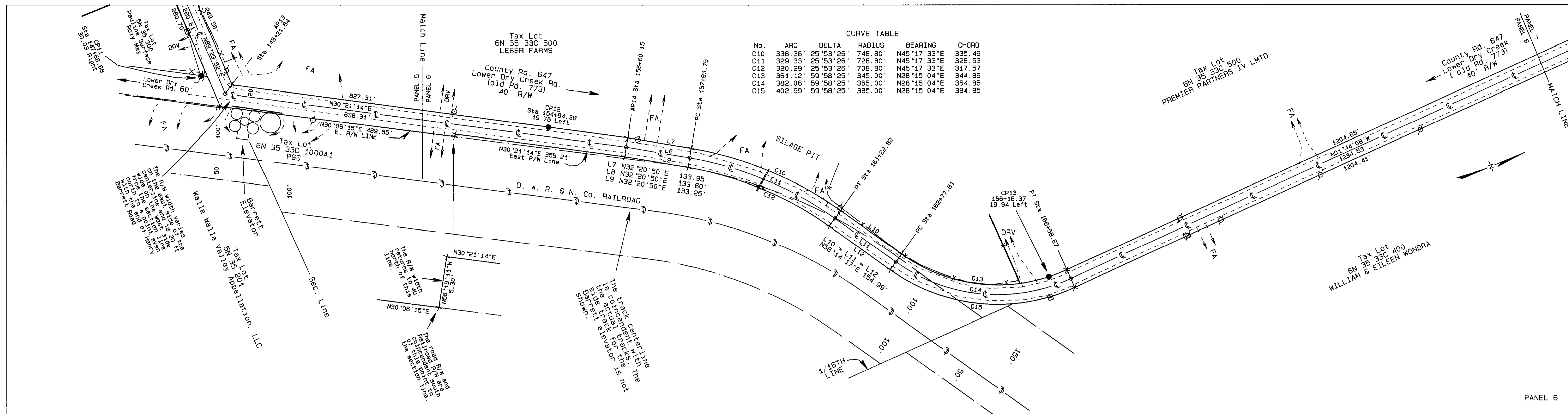


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