

**NARRATIVE**

This survey shows the final monumentation for a network of control points which reference the Centerline (CL) and new and previously existing Right-of-Way (R/W) of the Wallowa Lake Highway (State Hwy. 82) for the completed Hwy. No. 10 crossing the Grande Ronde River & Railroad (at Indian Creek), Bridge Structure #21292, construction project by the Oregon Department of Transportation (ODOT). This survey perpetuates previous and still existing R/W as shown on ODOT Drawing Nos. 8B-16-17 (1960), 9B-36-6 (1990), 10B-3-35 (circa 1991 and recently filed as Union Co. Survey No. 038-2013) and Union Co. Survey No. 029-2007; and establishes newly acquired R/W as shown on ODOT Drawing No. 11B-4-6 (2009). This survey complies with ORS Chapter 209, Section 155, being the post project map of survey with a network of control points on the same coordinate basis as Survey No. 029-2007, being the map of survey filed prior to construction. This survey commenced on Nov. 10, 2009, and completed on July 22, 2013.

ODOT Drawing No. 10B-3-35, now filed as Survey No. 038-2013, shows the results of an ODOT survey which monuments and further defines the R/W as shown previously on ODOT Drawing No. 9B-36-6, dated 1990 and revised in 1996 and 1998. This survey was completed circa 1991 as the survey filing map for the improvements constructed on the Imbler to Elgin (Climbing Lane) Section of the Wallowa Lake Highway. Survey Nos. 28-89 and 31-89 were contracted by ODOT as part of the preliminary work to complete the above named survey. Survey No. 029-2007 was performed as the pre-construction survey to the said recent bridge construction and the R/W resolution from this survey (including position and alignment of R.R. R/W) was accepted by ODOT and used to purchase additional R/W for said bridge construction.

The R/W resolution by Survey No. 029-2007 held two monuments for R/W width, Pt. 1051 and Pt. 1052. Survey No. 038-2013 shows Pt. 1051 as offline and neglects to show Pt. 1052. This is probably an omission as both monuments are from the same time period (1960s) with no caps on the 5/8 in. diam. iron rods. This is the best evidence and fit for R/W width near the bridge. Additional R/W monuments were recovered for the purpose of showing further relationship to Survey No. 038-2013.

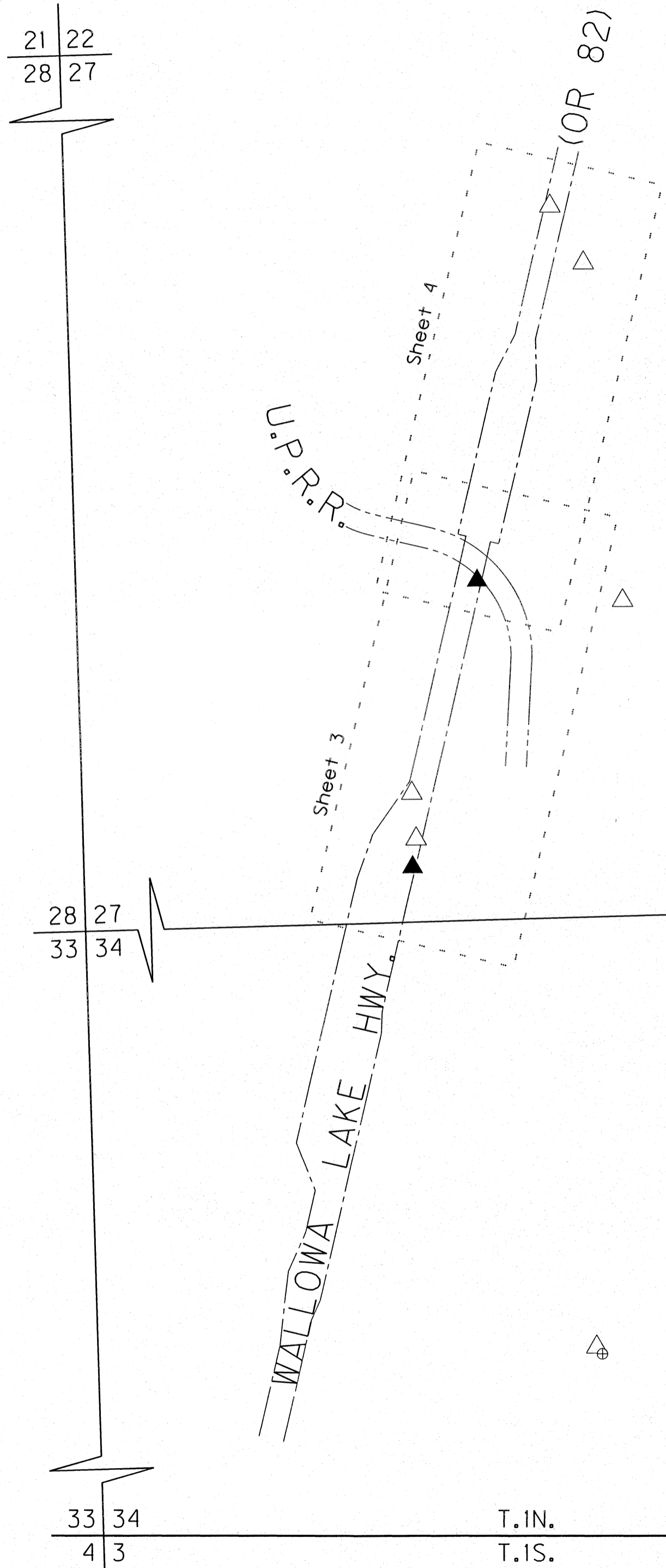
The basis of bearing and coordinates on this survey was established by Survey No. 029-2007 and perpetuated hereon. Said survey was retraced and recovered prior to the bridge project and found to be correct except for a typographical error. On Sheet 2, Pt. 50 in the Network Point Coordinate Table is misidentified as the brass disk for Benchmark A405. The coordinate position given is for a 3-1/4" diam. domed aluminum cap marked: "U.S. DEPT. OF AGRICULTURE FOREST SERVICE A405 ECC. GPS PHOTO" The benchmark A405 lies S.38°30'36"E., 41.23 ft. in heavy brush from this point. The survey shown hereon augments the control network with two new points for intervisibility and permanence.

REGISTERED PROFESSIONAL LAND SURVEYOR

*Peter C. Elder*

OREGON  
JULY 13, 1999  
PETER C. ELDER  
51277

RENEWAL DATE: DEC. 2013



**REFERENCES**

- OREGON DEPT. OF TRANSPORTATION (ODOT OR STATE HIGHWAY DEPT. OR DIVISION) DRAWINGS:
- M1. DWG. NO. 11B-04-0006, DATED 2009
  - M2. DWG. NO. 10B-03-0035, CIRCA 1991, ALSO FILED UNDER UNION CO. SURVEY NO. 038-2013
  - M3. DWG. NO. 9B-36-0006, DATED 1990
  - M4. DWG. NO. 8B-16-0017, DATED 1960
  - M5. DWG. NO. 2B-17-0010, DATED 1925

UNION COUNTY SURVEYOR RECORDS:

- S1. HORIZONTAL CONTROL, RECOVERY & RETRACEMENT MAP, BY ANDERSON PERRY & ASSOC., SURVEY NO. 029-2007, DATED 2007
- S2. OREGON STATE HIGHWAY DIVISION DWG. NO. 10B-03-35, SURVEY NO. 038-2013, CIRCA 1991
- S3. MAP OF SURVEY FOR ODOT, BY BAGETT-GRIFFITH & ASSOC., SURVEY NO. 28-89, DATED 1989
- S4. MAP OF SURVEY FOR ODOT, BY BAGETT-GRIFFITH & ASSOC., SURVEY NO. 31-89, DATED 1989

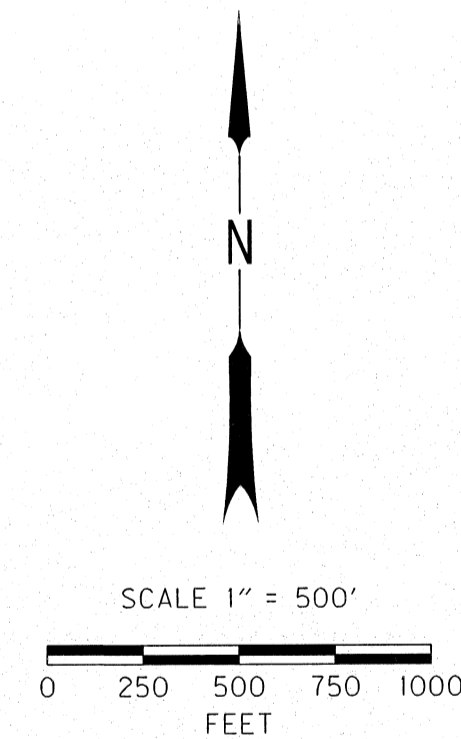
UNION COUNTY DEED DOCUMENTS:

- D1. DOC. NO. 20094373
- D2. DOC. NO. 20070407
- D3. DOC. NO. 20042892
- D4. DOC. NO. 20037551
- D5. BOOK 152, PAGE 155
- D6. BOOK 148, PAGE 278
- D7. BOOK 144, PAGE 564
- D8. BOOK 143, PAGE 780
- D9. BOOK 80, PAGE 362

NOTE:  
THE POSITION OF THESE SECTION CORNERS & LINES ARE FOR GRAPHICAL REPRESENTATION ONLY.

**LEGEND**

- △ FOUND NETWORK POINT
- ⊕ FOUND BENCHMARK
- ▲ SET NETWORK POINT
- HIGHWAY RIGHT-OF-WAY
- RAILROAD RIGHT-OF-WAY
- SECTION LINE



UNION COUNTY SURVEYOR

Date Received 10/18/13

Date Filed 10/18/13

By Neil G. Minner

File No. 039-2013



KEY NO.: 14228

OREGON DEPARTMENT OF TRANSPORTATION  
RIGHT-OF-WAY BOUNDARY MONUMENTATION MAP  
BUNDLE 462 - GRANDE RONDE RIVER & INDIAN CREEK BRIDGE  
WALLOWA LAKE HIGHWAY NO. 10  
(OREGON STATE HWY. 82) @ MILEPOINT 18  
UNION COUNTY

ODOT REGION 5  
3012 ISLAND AVE.  
LA GRANDE, OR 97850

OCTOBER, 2013  
SCALE: 1 in. = 500 ft.  
Sheet 1 of 4

Sec. 27 & 34 T.1N. R.39E. W.M.

NETWORK POINT COORDINATE TABLE

PNT. NO.	LDP NORTHING	LDP EASTING	DESCRIPTION
50	687694.31	8865516.87	FD. 3-1/4" DOMED ALUM. CAP ON 5/8" DRIVE ROD, UP 4", MKD. "U.S. DEPT. OF AGRICULTURE FOREST SERVICE GPS PHOTO A405 ECC 1986", ON E. SIDE OF PHILBERG RD. (OLD HWY. 82) AND LIES 40' NW OF NGS BM A405, LIES OUTSIDE OF PROJECT ALIGNMENT (SII) SEE NARRATIVE
A405	687662.05	8865542.54	FD. 3-1/2" BRASS DISC IN LARGE ROCK, EXPOSED PORTION IS 8'X4'X2' HIGH, 20' E. OF E.P. OF PHILBERG RD. (OLD HWY. 82), MKD. "US COAST AND GEODETIC SURVEY BENCHMARK A405 1945", WITH CROSS AT CENTER, PT. 50 BEARS NW'LY 40', LIES OUTSIDE OF PROJECT ALIGNMENT (SII)
NET1	690112.42	8864664.71	FD. 1-1/2" ALUM. CAP, MKD. "APA NET1", 15.5' RT. OF E.P., ACROSS 12" CMP. IN OLD FARM APPROACH (SII)
NET2	690328.48	8864645.37	FD. 1-1/2" ALUM. CAP, MKD. "APA NET2", ON LT. IN DITCH 6" DOWN (SII)
NET3	693131.44	8865321.29	FD. 1-1/2" ALUM. CAP, MKD. "APA NET3", 1' LT. OF E.P., 5.7' AH. OF GRD. RAIL TERMINAL (SII)
NET4	692858.81	8865479.61	FD. 1-1/2" ALUM. CAP, MKD. "APA NET4", 5' E. OF E.P. ON PHILBERG RD., S. OF APPROACH TO HWY.82 (SII)
NET5	691241.59	8865658.13	FD. 1-1/2" ALUM. CAP, MKD. "APA NET5", 8' W. OF E.P. ON PHILBERG RD. AND 8' E. OF R/W FNC., DOWN 3", 40' S. OF S. GATE POST AT FIELD APPROACH (SII)
NET6	689978.65	8864648.18	SET 5/8" DIAM. X 30" IRON ROD W/ 1-1/2" DIAM. ALUM. CAP MKD. "ODOT NET6 2013" W/ PUNCHMARK, ON TOP CUT SLOPE RT., A GALV. STEEL POST BEARS 237°, 1 FT.
TBMB	691340.23	8864963.84	SET 3-1/4" DIAM. BRASS DISC 3" INTO ROCK OUTCROP AND CEMENTED, W/ PUNCHMARK, AT SE'LY END OF BRIDGE, 22' BEHIND (RT.) GRD. RAIL POST, MKD. "OREGON STATE HIGHWAY DIVISION BENCHMARK TBMB"

EQUIPMENT USED

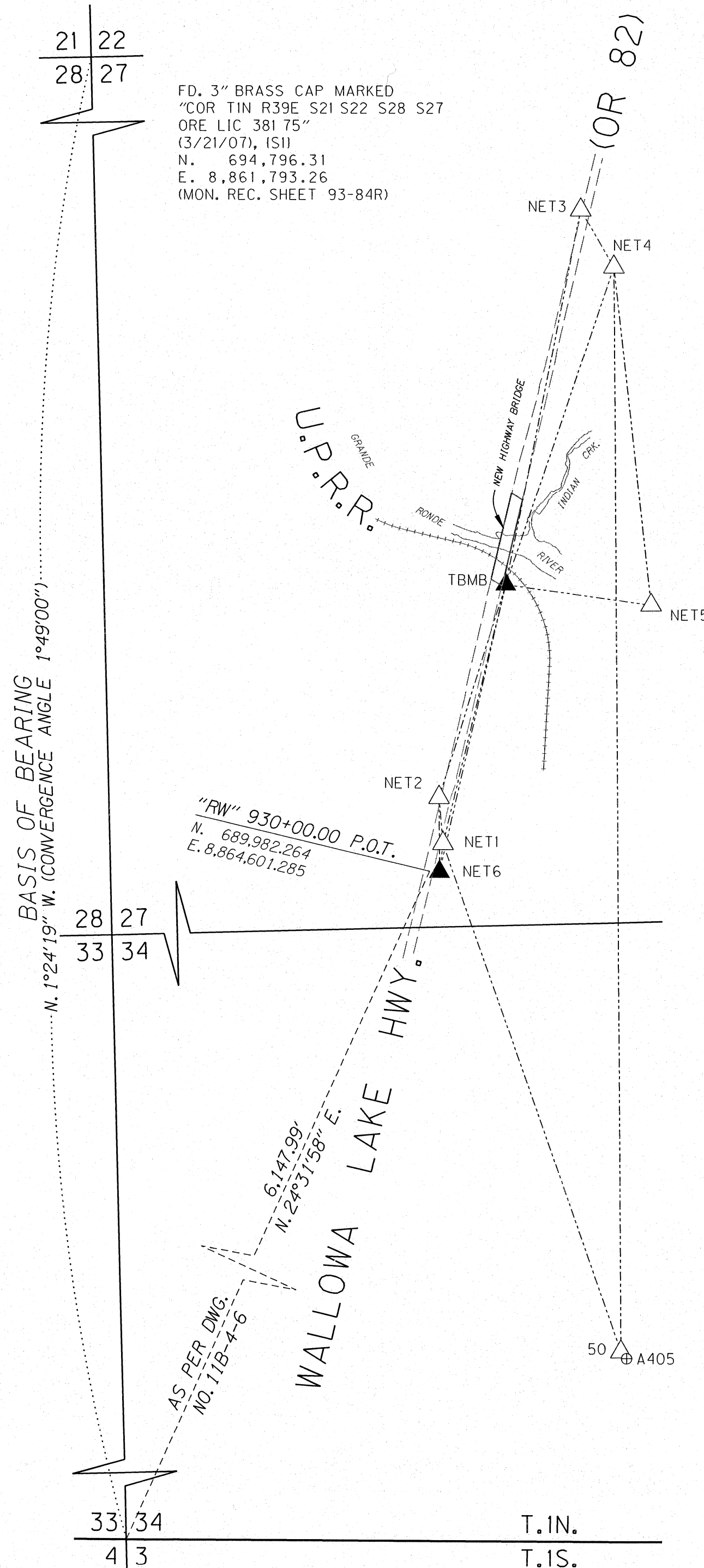
THE GPS PORTION OF THIS SURVEY WAS COMPLETED USING TWO LEICA SYSTEM 1200 DUAL FREQUENCY RECEIVERS, MODEL GRX 1230, ANTENNA MODEL AX 1202. THE TOTAL STATION USED WAS A LEICA 1200 WITH LEICA DATA COLLECTION SOFTWARE.

BASIS OF BEARING

THE BEARINGS USED IN THIS SURVEY ARE FROM THE OREGON COORDINATE SYSTEM OF 1983, NORTH ZONE. THE LINE BETWEEN THE CORNER TO SECTIONS 3 & 4, T.1S., R.39E. AND SECTIONS 33 & 34, T.1N., R.39E. AND THE CORNER TO SECTIONS 21, 22, 27 & 28, T.1N., R.39E. WAS HELD AS SHOWN ON UNION CO. SURVEY NO. 029-2007.

BASIS OF COORDINATES

THIS SURVEY UTILIZES A LOCAL DATUM PLANE (LDP) WHICH IS RELATIVE TO THE OREGON COORDINATE SYSTEM OF 1983, NORTH ZONE, WITH RESPECT TO THE LOCAL LATITUDE AND GROUND ELEVATION. THE LDP COORDINATES DEFINE TRUE GROUND DISTANCES. TO CONVERT THE LDP COORDINATES TO OREGON COORDINATE SYSTEM OF 1983, NORTH ZONE, MULTIPLY THE COORDINATES BY 0.99978464.



FD. 3" BRASS CAP MARKED "COR TIN R39E S21 S22 S28 S27 ORE LIC 381 75" (3/21/07), (SII)  
 N. 694,796.31  
 E. 8,861,793.26  
 (MON. REC. SHEET 93-84R)

BASIS OF BEARING  
 N. 1°24'19" W. (CONVERGENCE ANGLE 1°49'00")

"RW" 930+00.00 P.O.T.  
 N. 689,982.264  
 E. 8,864,601.285

6,147.99'  
 N. 24°31'58" E.

AS PER DWG. NO. 11B-4-6

FD. 2 1/2" BRASS CAP MKD. "BAGETT - GRIFFITH & ASSOC., TIN R39E S33 S34 S3 S4 S3 TIS 1989 OPLS 991" (3/21/07), (SII)  
 N. 684,389.29  
 E. 8,862,048.55  
 (MON. REC. SHEET 236-89R)

NOTE:  
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LEGEND

- △ FOUND NETWORK POINT
- ⊕ FOUND BENCHMARK
- ▲ SET NETWORK POINT
- OBSERVATION LINES
- BEARING LINE
- SECTION LINE
- PAVEMENT EDGE
- +++++ RAILROAD TRACKS
- (#) = SEE SHT. 1 REFERENCES

SCALE 1" = 500'

0 250 500 750 1000 FEET

N

UNION COUNTY SURVEYOR

Date Received 10/18/13

Date Filed 10/18/13

By *W.G. Minner*

File No. 039-2013

REGISTERED PROFESSIONAL LAND SURVEYOR

*Peter C. Elder*

OREGON  
 JULY 13, 1999  
 PETER C. ELDER  
 51277

RENEWAL DATE: DEC. 2013

KEY NO.: 14228

OREGON DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY BOUNDARY MONUMENTATION MAP

BUNDLE 462 - GRANDE RONDE RIVER & INDIAN CREEK BRIDGE

WALLOWA LAKE HIGHWAY NO. 10

(OREGON STATE HWY. 82) @ MILEPOINT 18

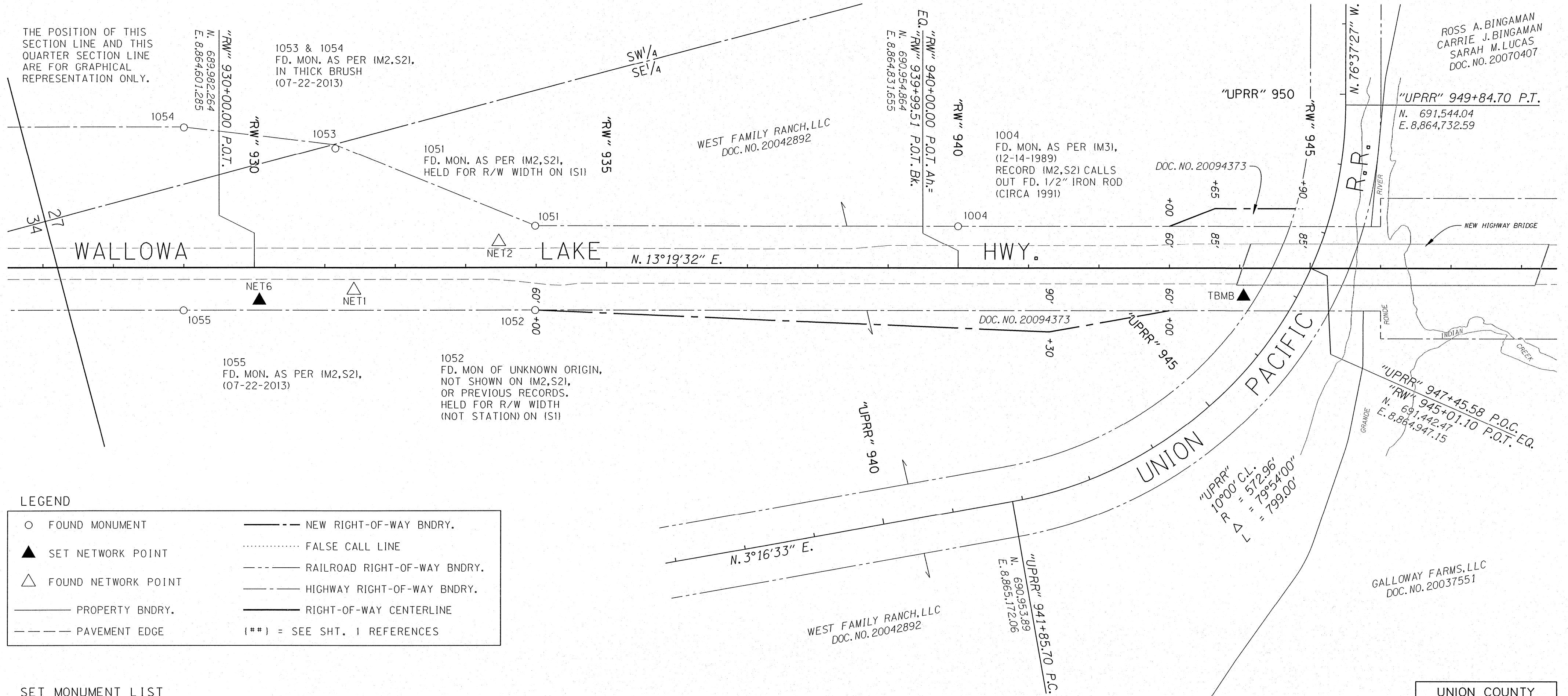
UNION COUNTY

ODOT REGION 5  
 3012 ISLAND AVE.  
 LA GRANDE, OR 97850

OCTOBER, 2013  
 SCALE: 1 in. = 500 ft.  
 Sheet 2 of 4

Sec. 27 T.1N. R.39E. W.M.

THE POSITION OF THIS SECTION LINE AND THIS QUARTER SECTION LINE ARE FOR GRAPHICAL REPRESENTATION ONLY.



ROSS A. BINGAMAN  
CARRIE J. BINGAMAN  
SARAH M. LUCAS  
DOC. NO. 20070407

WEST FAMILY RANCH, LLC  
DOC. NO. 20042892

1004  
FD. MON. AS PER IM3,  
(12-14-1989)  
RECORD IM2,S21 CALLS  
OUT FD. 1/2" IRON ROD  
(CIRCA 1991)

"UPRR" 947+45.58 P.O.C. EQ.  
N. 691,442.47  
E. 8,864,947.15

GALLOWAY FARMS, LLC  
DOC. NO. 20037551

LEGEND

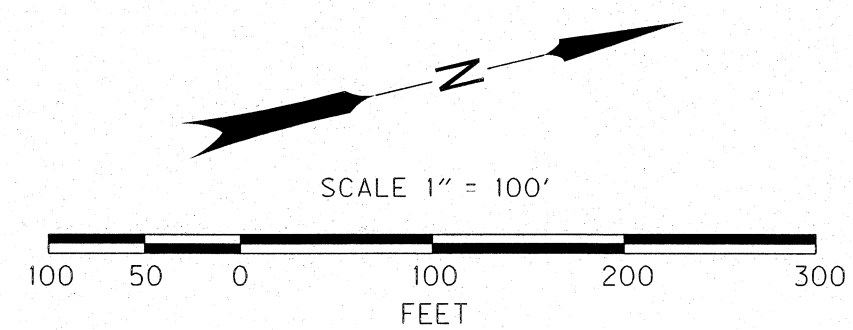
○	FOUND MONUMENT	---	NEW RIGHT-OF-WAY BNDRY.
▲	SET NETWORK POINT	.....	FALSE CALL LINE
△	FOUND NETWORK POINT	----	RAILROAD RIGHT-OF-WAY BNDRY.
---	PROPERTY BNDRY.	----	HIGHWAY RIGHT-OF-WAY BNDRY.
---	PAVEMENT EDGE	----	RIGHT-OF-WAY CENTERLINE
		(**)	= SEE SHT. I REFERENCES

SET MONUMENT LIST

PNT. NO.	LDP NORTHING	LDP EASTING	"RW" STATION	OFFSET	DESCRIPTION
NET6	689978.65	8864648.18	930+07.29	46.47' Rt	SET 5/8" DIAM. X 30" IRON ROD W/ 1-1/2" DIAM. ALUM. CAP MKD. "ODOT NET6 2013" W/ PUNCHMARK, ON TOP CUT SLOPE RT., A GALV. STEEL POST BEARS 237°, 1 FT.
TBMB	691340.23	8864963.84	944+05.46	39.82' Rt	SET 3-1/4" DIAM. BRASS DISC 3" INTO ROCK OUTCROP AND CEMENTED, W/ PUNCHMARK, AT SE'LY END OF BRIDGE, 22' BEHIND (RT.) GRD. RAIL POST, MKD. "OREGON STATE HIGHWAY DIVISION BENCHMARK TBMB"

RECOVERED MONUMENT LIST

PNT. NO.	LDP NORTHING	LDP EASTING	"RW" STATION	OFFSET	DESCRIPTION
1004	690968.65	8864773.38	AH. 940+00	60.00' Lt	FD. 5/8" IRON ROD, NO CAP, UP 3", NEARBY WOOD POST BEARS SE'LY 1.5', EO. 939+99.51 BK. (IM3)
1051	690384.07	8864634.86	933+98.73	60.00' Lt	FD. 5/8" IRON ROD, NO CAP, 1' E. OF R/W FNC., NEARBY METAL POST AND PADDLE BEARS NE'LY 1' (IM2,S21)
1052	690356.45	8864751.58	933+98.75	60.00' Rt	FD. 5/8" IRON ROD, NO CAP, IN E. R/W FNC.
1053	690133.39	8864462.71	931+15.12	169.68' Lt	FD. 1-1/2" ALUM. CAP AT ANGLE PT. IN FNC. (FNC. BEING E. OR OUTSIDE 3') GALV. STEEL POST & SIGN BEARS NE'LY 1.5', CAP MKD. "OREGON STATE HWY DIV" W/ OFF-CENTER PUNCHMARK, AT BASE OF LARGE HAWTHORNE CLUMP (IM2,S21)
054	689931.15	8864384.35	929+00.27	199.31' Lt	FD. 1-1/2" ALUM. CAP AT GND. LEVEL MKD. "OREGON STATE HWY DIV" W/ OFF-CENTER PUNCHMARK, A GALV. STEEL POST & SIGN BEARS 55° 1.7', MKD. "929+00 POT 200.00LT". PT. IS OUTSIDE OF FNC. 6.0' E'LY, ON S. SIDE OF SMALL GROVE OF PINES (IM2,S21)
1055	689870.78	8864636.66	928+99.67	60.12' Rt	FD. 1-1/2" ALUM. CAP MKD. "OREGON STATE HWY DIV" W/ OFF-CENTER PUNCHMARK, IN FNC. RT., A GALV. STEEL POST & SIGN BEARS 320° 1.5', MKD. "929+00 POT 60.00RT". OLD 4"X4" WOOD POST DOWN ALONGSIDE (IM2,S21)
NET1	690112.42	8864664.71	931+41.27	31.72' Rt	FD. 1-1/2" ALUM. CAP, MKD. "APA NET1", 15.5' RT. OF E.P., ACROSS 12" CMP. IN OLD FARM APPROACH (S1)
NET2	690328.48	8864645.37	933+47.06	36.90' Lt	FD. 1-1/2" ALUM. CAP, MKD. "APA NET2", ON LT. IN DITCH 6" DOWN (S1)



UNION COUNTY SURVEYOR

Date Received 10/18/13

Date Filed 10/18/13

By *M. Galbraith*

File No. 039-2013

REGISTERED PROFESSIONAL LAND SURVEYOR

*Peter C. Elder*

OREGON  
JULY 13, 1999  
PETER C. ELDER  
51277

RENEWAL DATE: DEC. 2013

KEY NO.: 14228

OREGON DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY BOUNDARY MONUMENTATION MAP

BUNDLE 462 - GRANDE RONDE RIVER & INDIAN CREEK BRIDGE

WALLOWA LAKE HIGHWAY NO. 10

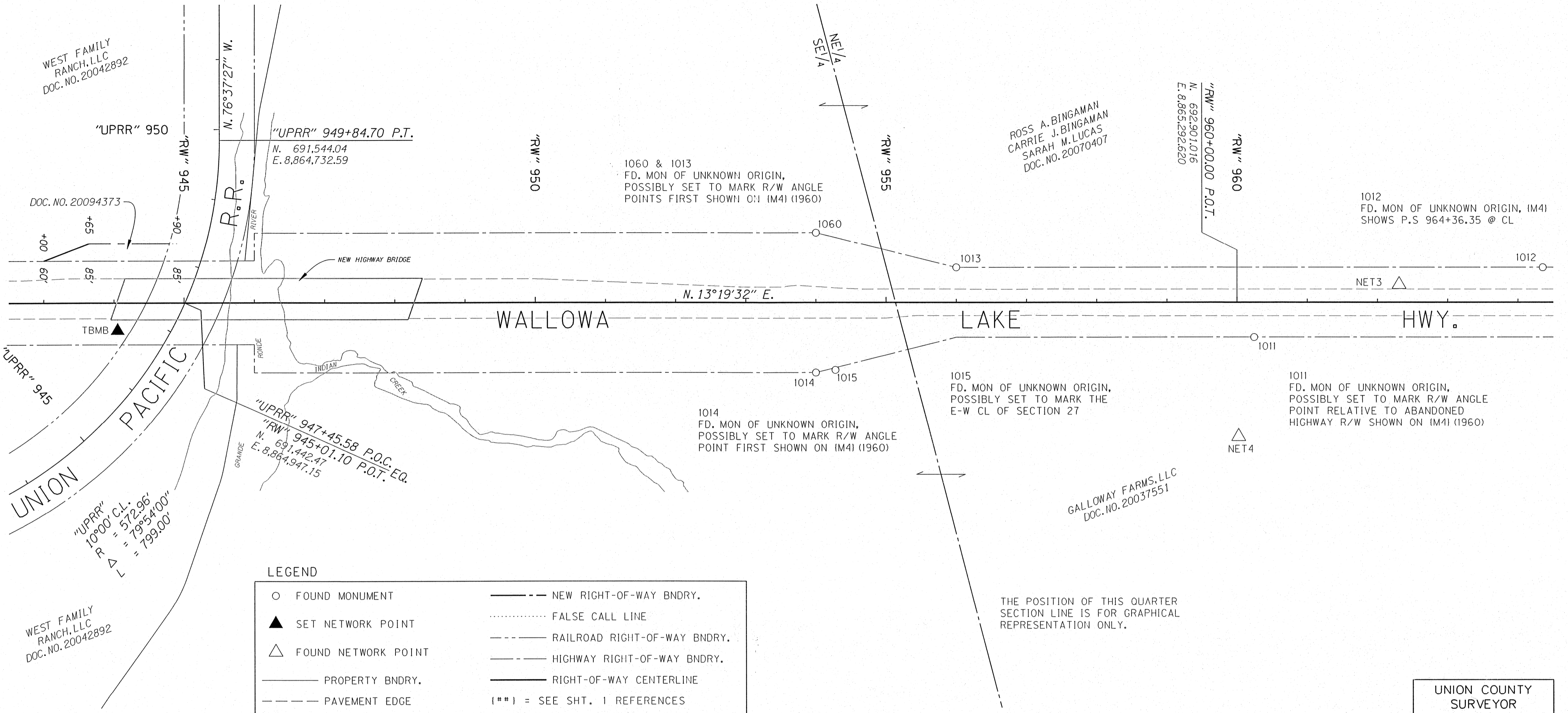
(OREGON STATE HWY. 82) @ MILEPOINT 18

UNION COUNTY

ODOT REGION 5  
3012 ISLAND AVE.  
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OCTOBER, 2013  
SCALE: 1 in. = 100 ft.  
Sheet 3 of 4

Sec. 27 T.1N. R.39E. W.M.



**LEGEND**

- FOUND MONUMENT
- ▲ SET NETWORK POINT
- △ FOUND NETWORK POINT
- PROPERTY BNDRY.
- - - PAVEMENT EDGE
- - - NEW RIGHT-OF-WAY BNDRY.
- ..... FALSE CALL LINE
- - - RAILROAD RIGHT-OF-WAY BNDRY.
- - - HIGHWAY RIGHT-OF-WAY BNDRY.
- RIGHT-OF-WAY CENTERLINE
- (\*\*) = SEE SHT. 1 REFERENCES

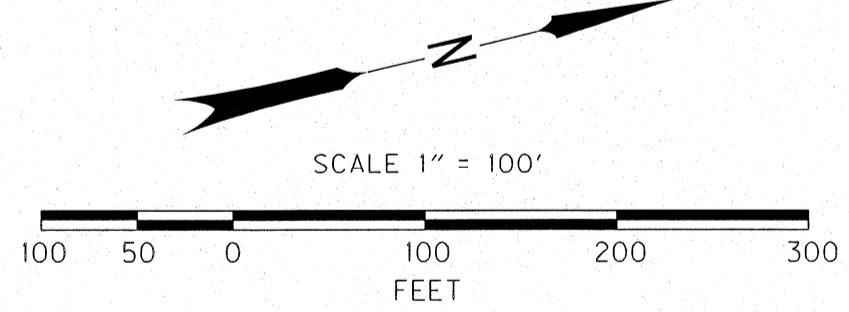
SET MONUMENT LIST

PNT. NO.	LDP NORTHING	LDP EASTING	"RW" STATION	OFFSET	DESCRIPTION
TBMB	691340.23	8864963.84	944+05.46	39.82' Rt	SET 3-1/4" DIAM. BRASS DISC 3" INTO ROCK OUTCROP AND CEMENTED, W/ PUNCHMARK, AT SE'LY END OF BRIDGE, 22' BEHIND (RT.) GRD. RAIL POST, MKD. "OREGON STATE HIGHWAY DIVISION BENCHMARK TBMB"

RECOVERED MONUMENT LIST

PNT. NO.	LDP NORTHING	LDP EASTING	"RW" STATION	OFFSET	DESCRIPTION
1011	692913.20	8865346.85	960+24.35	49.96' Rt	FD. 1/2" IRON ROD, NO CAP, 1' W. OF FNC. COR. S-E, NEARBY WOOD POST BEARS NW'LY 1', AT S. SIDE OF PHIBERG RD. APPROACH
1012	693336.12	8865344.30	964+35.30	50.00' Lt	FD. 5/8" IRON ROD, NO CAP, AT FNC., NEARBY WOOD POST BEARS SE'LY 1.0', STA. IS AH. (N.) OF PROJECT ALIGNMENT (P.S.= 964+36.35)
1013	692523.33	8865151.70	956+00.00	50.08' Lt	FD. 5/8" IRON ROD, NO CAP, AT ANGLE PT. IN W. R/W FNC., NEARBY WOOD POST BEARS N. 1.5'
1014	692294.16	8865251.52	954+00.01	99.87' Rt	FD. 5/8" IRON ROD, NO CAP, AT ANGLE PT. IN E. R/W FNC.
1015	692321.99	8865254.29	954+27.73	96.16' Rt	FD. CONC. MONUMENT 22" X 22" X 18" HIGH, WITH 1/2" IRON ROD INSET IN TOP, NO MARKINGS, 3' E. OF E. R/W FNC., IN TAPER
1060	692340.23	8865057.06	954+00.02	99.97' Lt	FD. 5/8" IRON ROD, NO CAP, AT ANGLE PT. IN W. R/W FNC., NEARBY WOOD POST BEARS S. 1'
NET3	693131.44	8865321.29	962+30.83	25.21' Lt	FD. 1-1/2" ALUM. CAP, MKD. "APA NET3", 1' LT. OF E.P., 5.7' AH. OF GRD. RAIL TERMINAL IS11
NET4	692858.81	8865479.61	N/A	N/A	FD. 1-1/2" ALUM. CAP, MKD. "APA NET4", 5' E. OF E.P. ON PHILBERG RD., S. OF APPROACH TO HWY.82 (S1)

THE POSITION OF THIS QUARTER SECTION LINE IS FOR GRAPHICAL REPRESENTATION ONLY.



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By Peter C. Elder

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ENGLISH

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BUNDLE 462 - GRANDE RONDE RIVER & INDIAN CREEK BRIDGE

WALLOWA LAKE HIGHWAY NO. 10

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