SITUATED IN THE SW $\frac{1}{4}$ AND THE SE $\frac{1}{4}$ OF S 36, T 2 S, R 37 E, WM AND THE SW $\frac{1}{4}$ OF S 31, T 2 S, R 38 E, WM

SURVEY NARRITIVE

THE PURPOSE OF THIS SURVEY IS TO DEFINE THE RIGHT-OF-WAY (RW) BOUNDARY OF THE OLD OREGON TRAIL HIGHWAY (I-84) BETWEEN THE WEIGH STATION AND THE EASTBOUND (I-84) OFF RAMP NEAR THE WEST END OF LA GRANDE, OREGON. THE OREGON DEPARTMENT OF TRANSPORTATION (ODOT) IS SCHEDULED TO REPLACE FOUR BRIDGES IN THIS AREA WHICH MAY REQUIRE A REALIGNMENT OF THE EXISTING FREEWAY.

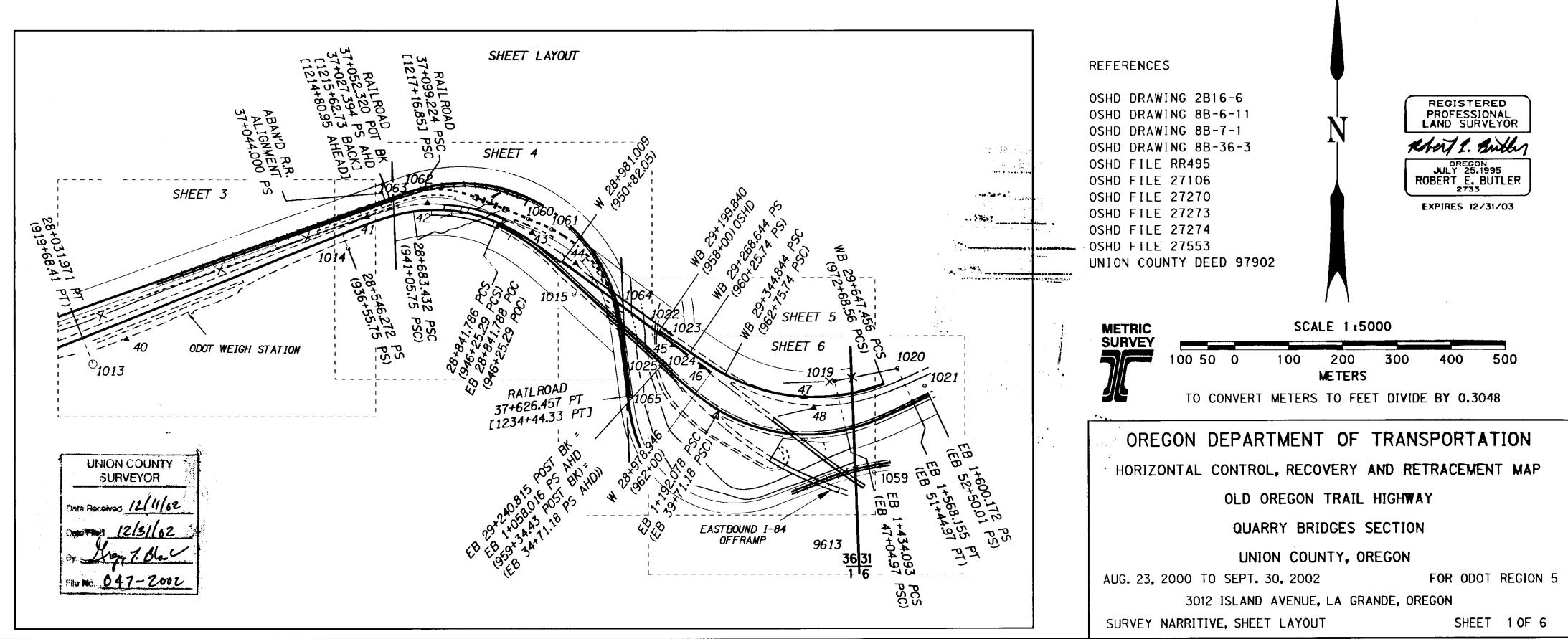
THE OLD OREGON TRAIL HIGHWAY RW THROUGH THIS SECTION IS DESCRIBED BY A COMMON CENTERLINE FROM STATION 919+68.41 TO STATION 946+25.29. RECORD DATA FOR THIS SECTION WAS OBTAINED FROM OREGON STATE HIGHWAY DEPARTMENT (OSHD) DRAWINGS 8B-6-11 AND 8B-7-1 IN CONJUNCTION WITH OSHD FILES 27106, 27270, 27273, 27274 AND 27553. THROUGH THIS SECTION, THE OREGON-WASHINGTON RAILROAD AND NAVIGATION (OWR&N) COMPANY RW BOUND IT ON THE NORTH. OSHD RW IS DEFINED ON THE SOUTH SIDE AS THE MIDDLE OF THE GRANDE RONDE RIVER UNTIL THE EAST SIXTEENTH LINE OF SECTION 36. AFTER THIS LINE, RW RUNS 150 FEET SOUTHERLY OF AND PARALLEL WITH CENTERLINE.

THE EASTBOUND CENTERLINE STARTS AT STATION 946+25.29 AND DEFINES RW ON THE SOUTH SIDE OF THE FREEWAY. SAID BOUNDARY IS DESCRIBED AS BEING A LINE 150 FEET SOUTHERLY AND PARALLEL WITH THE EASTBOUND CENTERLINE UNTIL THE RIGHT-OF-WAY BOUNDARY INTERSECTS WITH THE BOUNDARY OF THE OWR&N CO. RAILROAD. AFTER CROSSING THE OWR&N CO. PROPERTY, THE EASTBOUND RW IS DESCRIBED OFF OF A FUTURE ALIGNMENT WHICH WAS NEVER BUILT. THIS ALIGNMENT IS DESCRIBED BY OSHD DRAWING 8B-7-1 AND OSHD FILES 27270 AND 27273. THE SOUTHERLY RW IS DESCRIBED AS BEING BOUNDED BY THE RW OF THE OWR&N RAILROAD. THIS CONTINUES UNTIL THE RAILROAD BOUNDARY INTERSECTS WITH A LINE 170 FEET EASTERLY OF THE OLD CROSSING OF THE GRANDE RONDE RIVER. FROM THIS POINT IT FOLLOWS THE MIDDLE OF THE GRANDE RONDE RIVER TO THE EAST LINE OF SECTION 36.

AN ALIGNMENT CONNECTING THE OLD HIGHWAY WITH THE WESTBOUND LANES OF I-84 DESCRIBES THE NORTHERLY OSHD RW STARTING AT STATION 946+32.05. RECORD DATA FOR THIS ALIGNMENT WAS OBTAINED FROM OSHD DRAWING 8B-7-1 AND OSHD FILES 27273 AND 27274. OWR&N PROPERTY BOUNDS OSHD RW ON THE NORTH UNTIL THE OSHD CENTERLINE INTERSECTS SAID PROPERTY. ON THE EASTERLY SIDE OF THE RAILROAD PROPERTY, RW IS DEFINED AS BEING 170' NORTHERLY OF THE WESTBOUND CONNECTING CENTERLINE. THIS CONTINUES UNTIL THE RW BOUNDARY INTERSECTS THE WESTERLY BOUNDARY OF THE OLD HIGHWAY. ON THE EASTERLY SIDE OF THE OLD HIGHWAY, RW IS DESCRIBED AS BEING 150' NORTHERLY AND PARALLEL WITH A FUTURE ALIGNMENT FOR THE WESTBOUND LANES WHICH WAS NEVER BUILT.

FROM THE EAST LINE OF SECTION 36, OSHD SOUTHERLY AND NORTHERLY RW IS DEFINED FROM THE EASTBOUND CENTERLINE AS DESCRIBED BY OSHD DRAWING 8B-36-3. THIS EASTBOUND CENTERLINE IS A DIFFERENT ALIGNMENT THAN THE EASTBOUND MENTIONED ABOVE AND IS EQUATED TO IT AT "EB" 959+43.34 P.O.S.T. BK. = "EB" 959+13.47 P.S. AH.

THE BASIS OF BEARING FOR THIS SURVEY WAS FROM TWO GLOBAL POSITION SYSTEM POINTS (GPS), GARD AND 9613. GARD IS A BRASS DISC SET IN CONCRETE BY CLIFFORD CALDWELL, PLS 2492, FOR THE OREGON DEPARTMENT OF TRANSPORTATION (ODOT) AS PART OF THE MEACHAM-HILGARD PROJECT. IT IS ON FILE WITH ODOT'S GEOMETRONICS UNIT IN SALEM. POINT 9613, SET BY WALTER L. CASWELL, IS A 4" PIPE CASING AND IS THE TOWNSHIP CORNER COMMON TO SECTIONS 31, 36, 6, AND 1; TOWNSHIP 2 AND 3 SOUTH, RANGE 37 AND 38 EAST, W. M. POINT 9613 IS ON FILE IN UNION COUNTY WITH THE MONUMENTATION RECORDS. THESE POINTS WERE CONVERTED TO LOCAL DATUM PLANE COORDINATES, AND A CONTROL NETWORK, USING A CONVERSION FACTOR OF 0.999856788 WAS THEN RUN BETWEEN THEM. THIS NETWORK WAS ADJUSTED BY LEAST SQUARES AND THE RECOVERED MONUMENTS WERE DOUBLE TIED FROM THE ADJUSTED NETWORK.



SITUATED IN THE SW $\frac{1}{4}$ AND THE SE $\frac{1}{4}$ OF S 36, T 2 S, R 37 E, WM AND THE SW $\frac{1}{4}$ OF S 31, T 2 S, R 38 E, WM

REGISTERED PROFESSIONAL LAND SURVEYOR Robert L. Buter OREGON
JULY 25,1995
ROBERT E. BUTLER
2733 EXPIRES 12/31/03

GARD FND BR. DISC IN CONC. MKD. "GARD", ON FILE **ODOT GEOMETRONICS** NAD 83(91) ORE. NORTH ZONE: N 188760.119m E 2678015.535m LOCAL DATUM PLANE: N 188787.156m E 2678399.114m

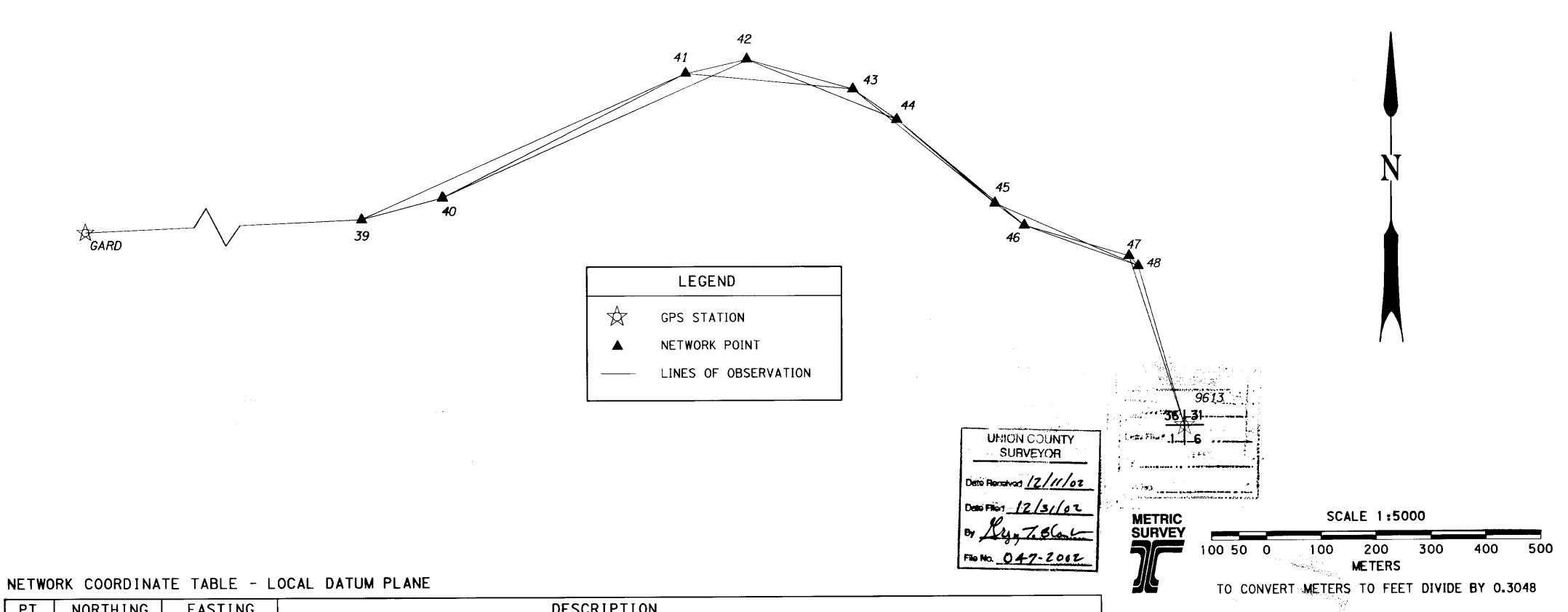
BASIS OF BEARING S89°43′43″E 8754.156m COMPUTED FROM LOCAL DATUM PLANE COORDINATES BEARINGS ON THIS SURVEY ARE GRID BEARINGS

TO CONVERT FROM LOCAL DATUM PLANE COORDINATES TO OREGON STATE PLANE COORDINATES, NORTH ZONE. MULTIPLY BY A CONVERGENCE FACTOR OF 0.999856788

9613 FND.4" DIA.PIPE CASING CORNER COMMON TO T2S AND T3S R37E AND R38E:W.M. NAD 83(91) ORE. NORTH ZONE: N 619155.744 INT.FT. E 8814856.754 INT.FT. LOCAL DATUM PLANE: N 188745.702m E 2687153.172m

NO SCALE

TO CONVERT METERS TO S. I. FEET DIVIDE BY 0.3048



PT.	NORTHING	EASTING	DESCRIPTION
GARD	188787.156	2678399.114	FND. 76mm (3") BR. DISC IN CONCRETE COLLAR MKD. "GARD", ON FILE WITH ODOT GEOMETRONICS IN SALEM
39	189119.307	2685656.932	SET 16mm × 762mm (5/8" × 30") IRON ROD W/ODOT ALUMINUM CAP MKD. "NET 39"
40	189157.993	2685805.038	SET 16mm × 762mm (5/8" × 30") IRON ROD W/ODOT ALUMINUM CAP MKD. "NET 40"
41	189381.018	2686247.399	SET 16mm x 762mm (5/8" x 30") IRON ROD W/ODOT ALUMINUM CAP MKD. "NET 41"
42	189406.263	2686358.346	SET 16mm x 762mm (5/8" x 30") IRON ROD W/ODOT ALUMINUM CAP MKD. "NET 42"
43	189352.171	2686551.112	SET 16mm x 762mm (5/8" x 30") IRON ROD W/ODOT ALUMINUM CAP MKD. "NET 43"
44	189296.758	2686631.351	SET 16mm x 762mm (5/8" x 30") IRON ROD W/ODOT ALUMINUM CAP MKD. "NET 44"
45	189146.587	2686809.573	SET 16mm x 762mm (5/8" x 30") IRON ROD W/ODOT ALUMINUM CAP MKD. "NET 45"
46	189106.510	2686862.412	SET 16mm x 762mm (5/8" x 30") IRON ROD W/ODOT ALUMINUM CAP MKD. "NET 46"
47	189051.603	2687053.056	SET 16mm x 762mm (5/8" x 30") IRON ROD W/ODOT ALUMINUM CAP MKD. "NET 47"
48	189032.860	2687069.868	SET 16mm x 762mm (5/8" x 30") IRON ROD W/ODOT ALUMINUM CAP MKD. "NET 48"
9613	188745.702	2687153.172	FND. 100mm (4") PIPE CASING W/4 BRG. TREES, CORNER OF S36, S31, S1, S6; FILED WITH UNION COUNTY
			MONUMENTATION RECORDS

OREGON DEPARTMENT OF TRANSPORTATION

HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP

OLD OREGON TRAIL HIGHWAY

QUARRY BRIDGES SECTION

UNION COUNTY, OREGON

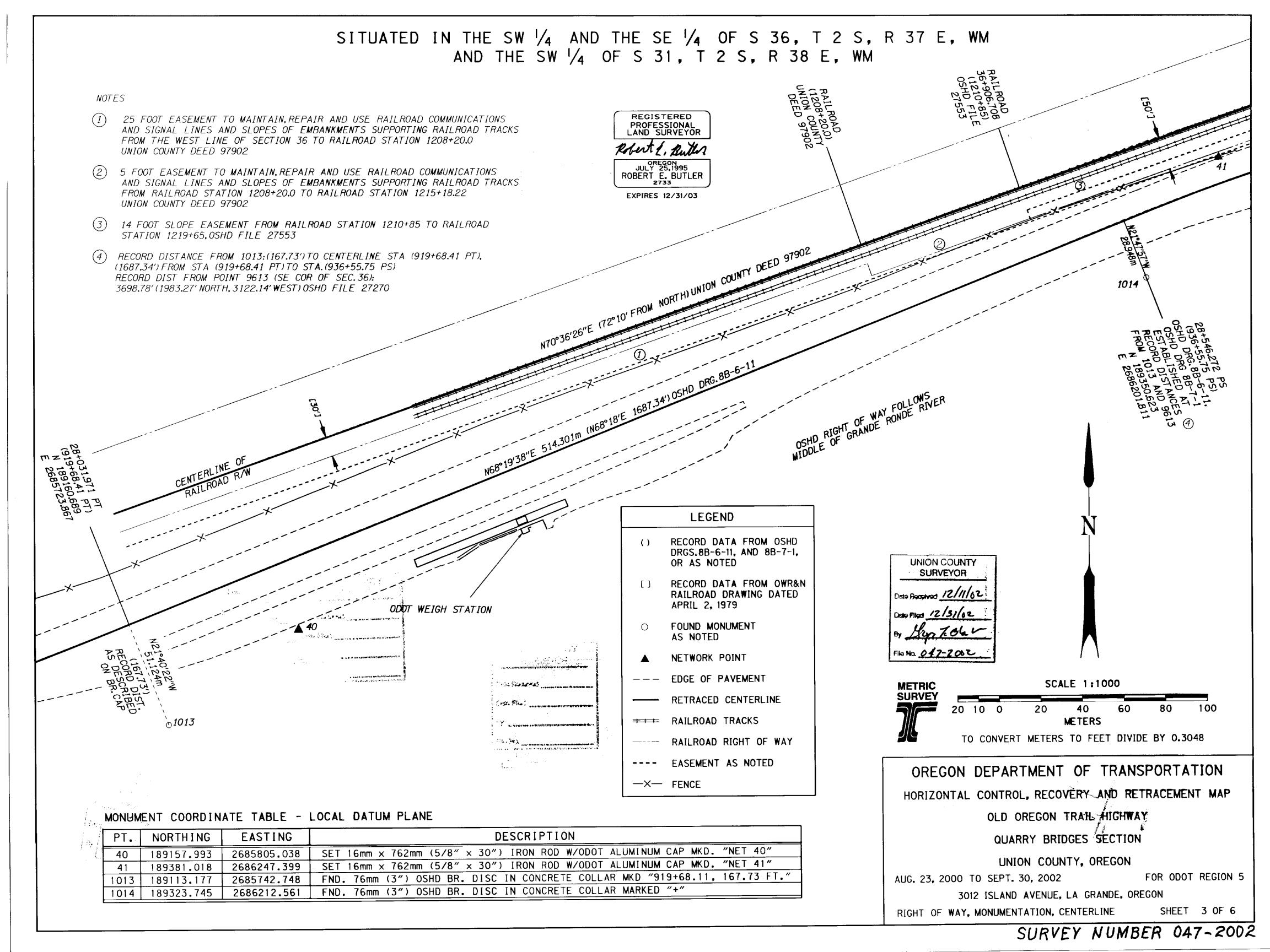
AUG. 23, 2000 TO SEPT. 30, 2002

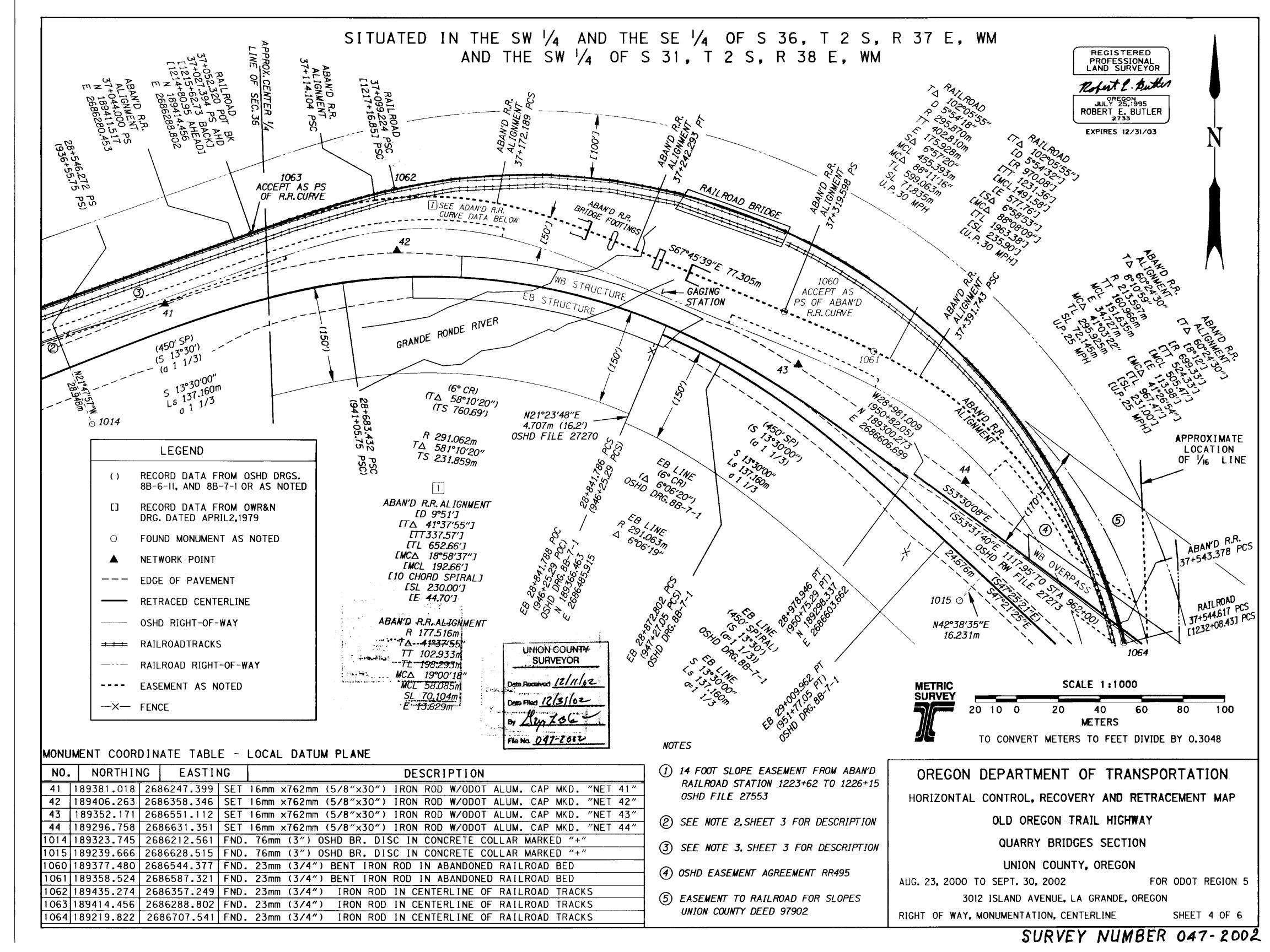
FOR ODOT REGION 5

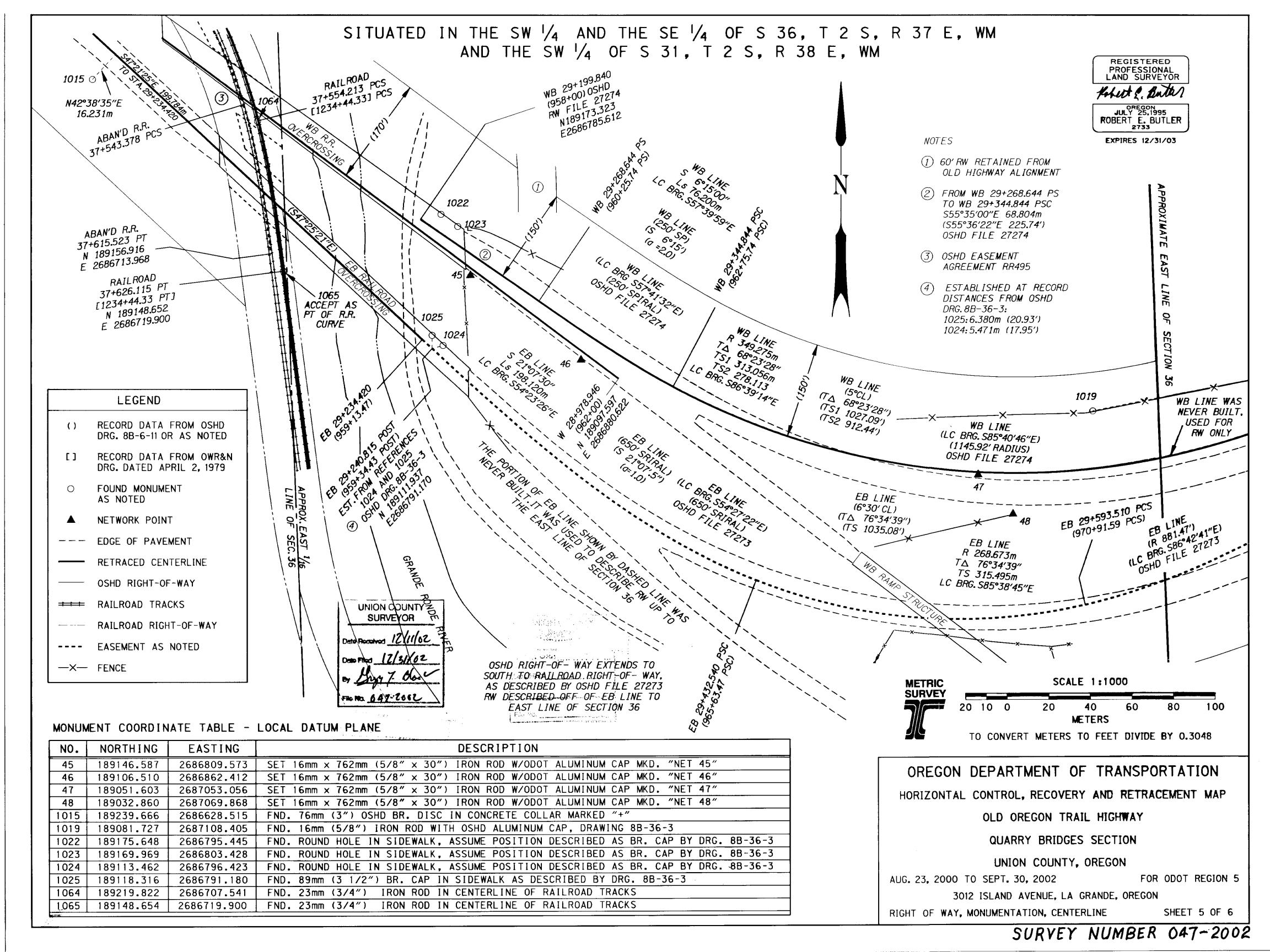
3012 ISLAND AVENUE, LA GRANDE, OREGON

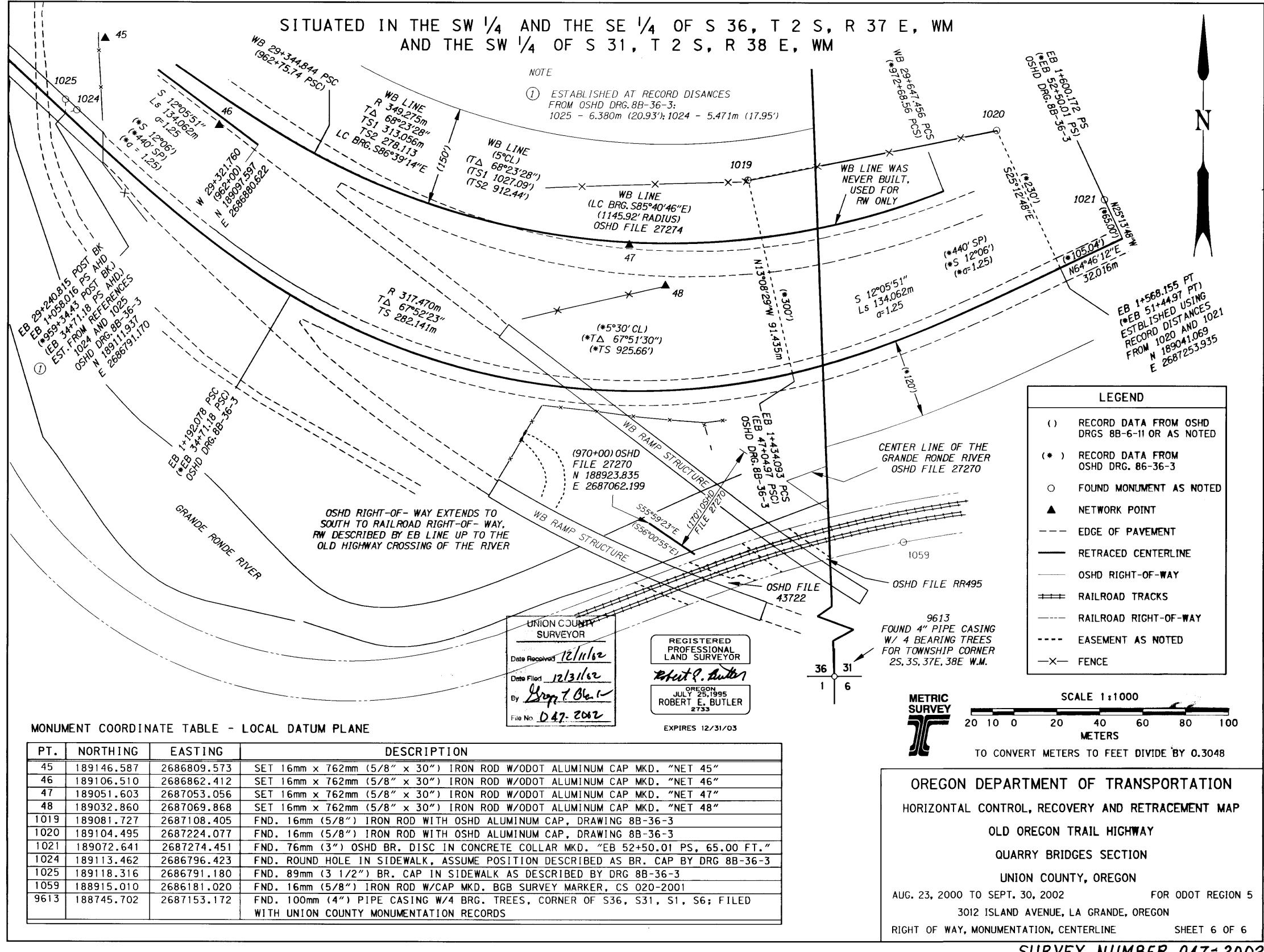
BASIS OF BEARING, CONTROL NETWORK

SHEET 2 OF 6









SURVEY NUMBER 047-2002