

NW 1/4 SEC. 26 & SW 1/4 SEC. 23 T.17S. R.31E. W.M.

BASIS OF BEARING

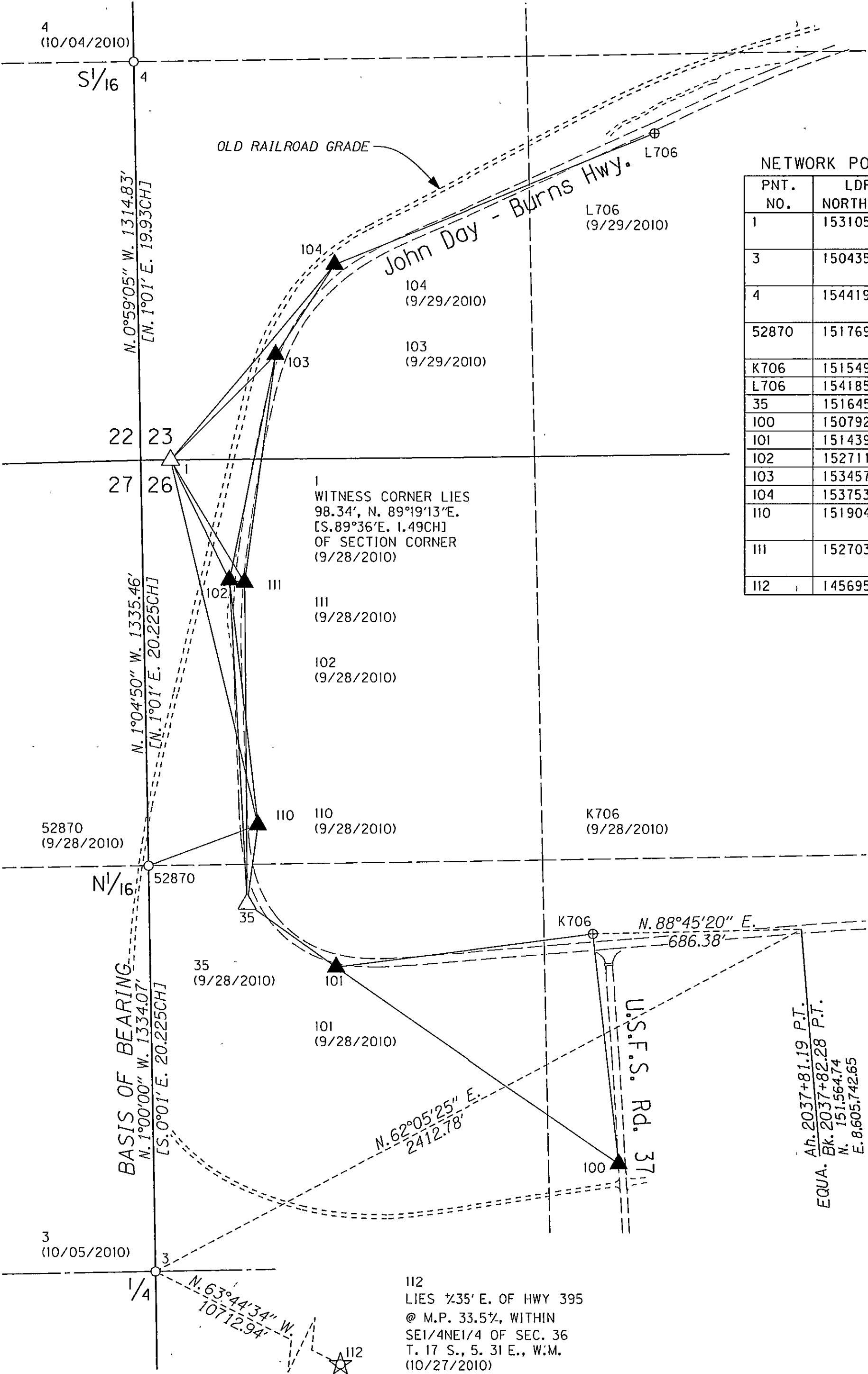
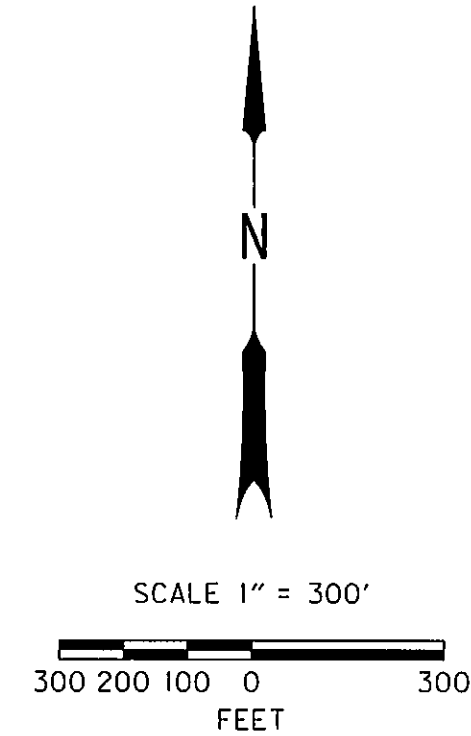
THE BASIS OF BEARING WAS BY GPS OBSERVATION USING AN OPUS SOLUTION TAKEN AT POINT 112 WHICH BEARS S.63°44'34"E., 10713.94 FEET FROM THE 1/4 CORNER OF SECTIONS 26 & 27. THIS RESULTED IN A BASE BEARING OF N.1°00'00"W., 1334.07 FEET FROM THE 1/4 CORNER OF SECTIONS 26 & 27 AND THE N 1/16 CORNER OF SECTIONS 26 & 27.

BASIS OF COORDINATES

THE OREGON COORDINATE SYSTEM OF 1983 (CORS 96), (EPOCH 2002), NORTH ZONE, WAS USED WITH RESPECT TO THE LOCAL LATITUDE AND GROUND ELEVATION. THIS SURVEY UTILIZES A LOCAL DATUM PLANE (LDP) WHICH IS RELATIVE TO THE OREGON COORDINATE SYSTEM (OCS) OF 1983 (CORS96), (EPOCH 2002), NORTH ZONE, WITH RESPECT TO THE LOCAL LATITUDE AND GROUND ELEVATION. THE LDP COORDINATES DEFINE TRUE GROUND DISTANCES. TO CONVERT THE LDP COORDINATES, FOR THE CONTROL POINTS, TO THE OREGON COORDINATE SYSTEM OF 1983 (CORS 96), (EPOCH 2002), NORTH ZONE, MULTIPLY THE LDP COORDINATES BY 0.99986912.

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.



NETWORK POINT COORDINATE TABLE

PNT. NO.	LDP NORTHING	LDP EASTING	DESCRIPTION
1	153105.64	8603660.44	FD. 3-1/2" BLM BR. CAP ON PIPE EXTENDING 10" ABOVE GRD. MKD.: "WC, T17S, R31E, S22/S23/S27/S26, 1979"
3	150435.37	8603610.51	FD. 3-1/2" BLM BR. CAP ON PIPE EXTENDING 4" ABOVE GRD. MKD.: "T17S, R31E, 1/4, S27/S26, 1979"
4	154419.10	8603539.45	FD. 3-1/2" BLM BR. CAP ON PIPE EXTENDING 10" ABOVE GRD. MKD.: "T17S, R31E, 1/16, S22/S23, 1979"
52870	151769.24	8603587.23	FD. 3-1/2" BLM BR. CAP ON PIPE EXTENDING 10" ABOVE GRD. MKD.: "T17S, R31E, N1/16, S27/S26, 1979"
K706	151549.84	8605056.43	FD. BM, TITANIUM ROD IN MON. BOX
L706	154185.63	8605259.31	FD. BM, BR. DISC IN ROCK OUTCROP
35	151645.91	8603912.44	FD. BR. DISC MKD.: "35+169"
100	150792.07	8605142.49	SET MAGNAIL
101	151439.57	8604207.01	SET 1/2" SQ. IRON ROD W/ 1-1/2" ALUM. CAP, FLUSH W/ GRAVEL
102	152711.21	8603854.38	SET 1/2" SQ. IRON ROD W/ 1-1/2" ALUM. CAP, BELOW GRAVEL
103	153457.55	8604008.14	SET 1/2" SQ. IRON ROD W/ 1-1/2" ALUM. CAP
104	153753.00	8604202.95	SET 1/2" SQ. IRON ROD W/ 1-1/2" ALUM. CAP, BELOW GRAVEL
110	151904.14	8603948.00	SET HUB & TACK, TOP OF CUT BANK INSIDE CURVE 20' ABOVE PVMT.
111	152703.87	8603904.30	SET 1/2" SQ. IRON ROD W/ 1-1/2" ALUM. CAP MKD.: "ODOT, 111, 2010"
112	145695.93	8613218.04	SET 1/2" SQ. IRON ROD W/ ALUM. CAP MKD.: "ODOT, 112, 2010"

LEGEND

- ☆ FOUND GPS STATION
- ⊕ FOUND BENCHMARK
- ⊙ FOUND SECTION CORNER
- △ FOUND NETWORK POINT
- ▲ SET NETWORK POINT
- PAVEMENT EDGE
- - - - - EDGE OF GRAVEL/BALLAST
- OBSERVATION LINES
- - - - - BEARING TIE
- == SECTION LINES (1/4 & 1/16)
- [] = S1 REFERENCE DATA, SEE SHT. 1 TABLE

REGISTERED PROFESSIONAL LAND SURVEYOR
Robert E. Butler
OREGON
JULY 25, 1995
ROBERT ERICH BUTLER
2733
EXPIRES 12/31/2015

RECEIVED AND FILED
GRANT COUNTY SURVEYOR
BY: _____

KEY NO.: 14674

OREGON DEPARTMENT OF TRANSPORTATION
CONTROL, RECOVERY AND RETRACEMENT MAP
FFO - US395 CURVE REALIGNMENT
JOHN DAY HIGHWAY NO. 48
(U.S. HWY. 395) @ MILEPOINT 31
GRANT COUNTY

ODOT REGION 5
3012 ISLAND AVE.
LA GRANDE, OR 97850
FEBRUARY, 2014
SCALE: 1 in. = 300 ft.
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