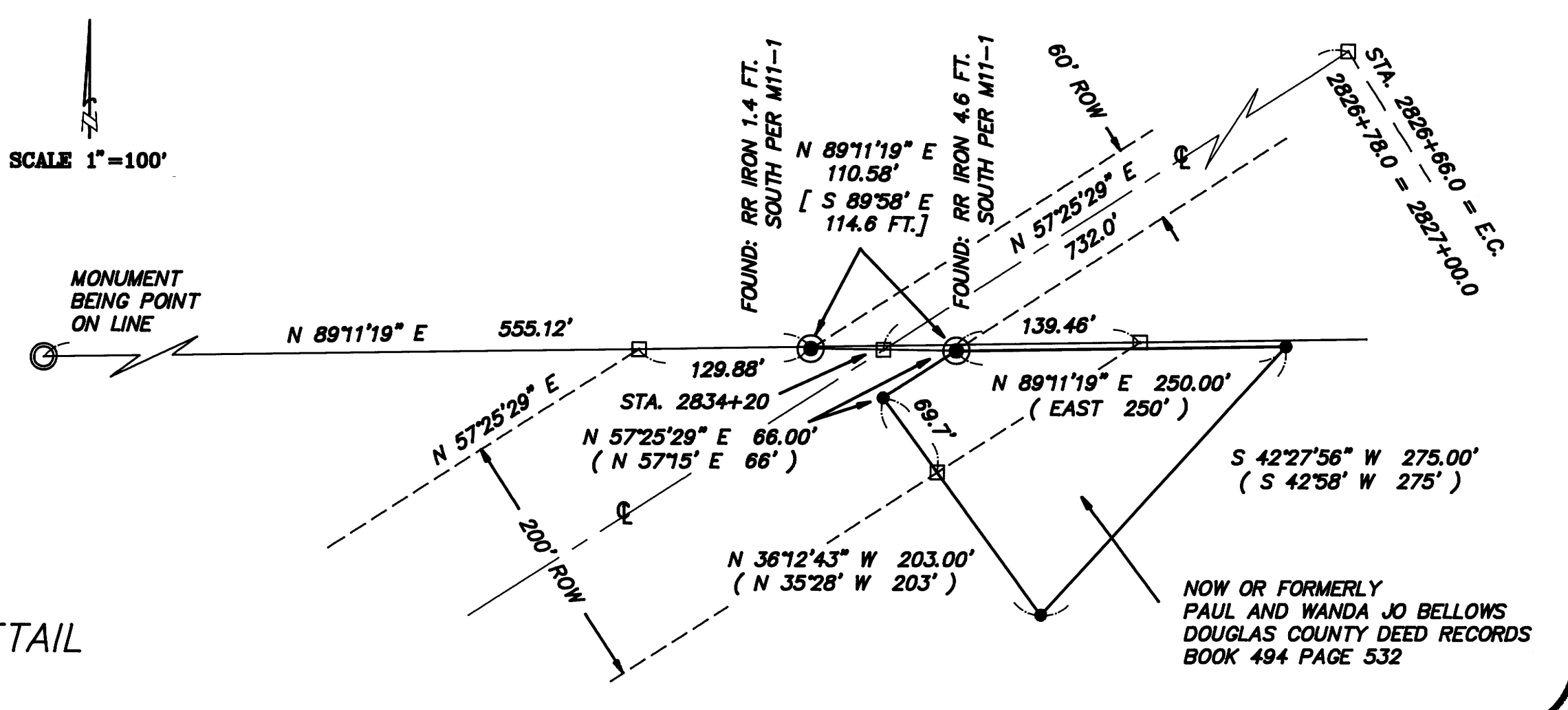


FILED
 Date: 4-15-96 By: JPB
 This survey consists of:
 Map: M124-12
 Narrative:
 Corner Rpt:
 DOUGLAS COUNTY SURVEYOR



SCALE 1" = 400'

NARRATIVE

THIS SURVEY WAS MADE IN JANUARY AND FEBRUARY OF 1996 BY DANIEL W. BAKER, OF BAKER AND ASSOCIATES, SURVEYORS, 1385 OAK STREET, SUITE 3, EUGENE, OREGON. THE PURPOSE OF THIS SURVEY WAS TO LOCATE AND MARK, IN THE FIELD, THE PROPERTY LINES OF WEYERHAEUSER COMPANY OWNERSHIP IN SECTIONS 34, IN T21S, R5W, W.M. A WILD T1000 WITH DISS EDM WAS USED TO PERFORM THE SURVEY, WITH A MINIMUM ERROR OF CLOSURE OF 1:9800 OF MULTIPLE TRAVERSES BEFORE COMPASS ADJUSTMENT. THE BASIS OF BEARING FOR THIS SURVEY WAS BY SOLAR OBSERVATION AS COORDINATED WITH RECENT WORK DONE IN 1993 BY THIS COMPANY IN SECTION 3 AND FILED AS M118-10. THE FOLLOWING CORNERS WERE USED FOR CONTROL AS FOUND, AND ACCEPTED AS BEING IN CORRECT POSITIONS: THE SOUTH 1/4 SECTION 33; SOUTH 1/4, WEST 1/4, SOUTHWEST SECTION CORNER, AND THE PROPERTY CORNER SET BY WEYERHAEUSER COMPANY SURVEY IN 1988 ALL IN SECTION 34. ALSO FOUND AND ACCEPTED AS A CONTROLLING MONUMENT WAS THE "CENTER SOUTH 1/16" CORNER AS MONUMENTED BY IRVING IN A 1951 SURVEY FILED AS M11-1. THIS MONUMENT IS NOT TAKEN AS THE TRUE CENTER SOUTH 1/16 CORNER AS IT WAS NOT ESTABLISHED BY APPROVED METHOD. THIS CORNER IS USED FOR LINE ONLY AND NOT AS THE TRUE CENTER SOUTH 1/16 CORNER. THE SOUTHWEST D.L.C. #37 CORNER, AS RECOVERED BY IRVING IN 1951, WAS FOUND AND UPDATED. RAILROAD IRON MONUMENTS, AS NOTED, WERE RECOVERED AND USED TO CONTROL THE RAILROAD RIGHT OF WAY LOCATION AND CHANGE IN RIGHT OF WAY WIDTH, AND THE LOCATION OF PROPERTY DESCRIBED IN BOOK 494 PAGE 532, DOUGLAS COUNTY OREGON DEED RECORDS.

THE WITNESS MONUMENT FOR THE SOUTH 1/16 ON THE WEST LINE OF SECTION 34 WAS NOT RECOVERED, AS RECOVERED IN THE 1951 IRVING SURVEY. A CALCULATED POSITION FOR THE SOUTH 1/16 ON THE WEST LINE OF SECTION 34 FELL IN PASS CREEK, AND THEREFORE NOT SET. IN AN ATTEMPT TO RECREATE THE 1951 SURVEY, A MONUMENT WAS REPLACED ON HIGH GROUND ON LINE BETWEEN THE CALCULATED POSITION OF THE SOUTH 1/16 CORNER AND THE FOUND "CENTER SOUTH 1/16 CORNER" AS ACCEPTED.

THE PURPOSE OF LOCATING THE RAILROAD RIGHT OF WAY WAS TO MARK THE TIMBER FOR LOGGING PURPOSES. THE LOCATION OF THE RAILROAD RIGHT OF WAY WAS DETERMINED BY RECORD COURSES. POSITION WAS DETERMINED BY PLACING STATION 2834+20 AT THE MIDPOINT OF A LINE BETWEEN THE TWO RECOVERED RAILROAD MONUMENTS AS SET IN M11-1. ALIGNMENT WAS DETERMINED BY ORIENTING THE CENTERLINE OF THE RIGHT OF WAY PARALLEL TO THE LINE FROM THE WESTERLY RAILROAD MONUMENT AND THE FOUND IRVING MONUMENT 550 FEET TO THE NORTHEAST. THE RIGHT OF WAY WAS THEN MARKED USING THE APPROPRIATE RIGHT OF WAY WIDTHS FROM THIS ESTABLISHED CENTERLINE LOCATION. THE CENTERLINE OF THE TRACKS, AS LOCATED IN THIS SURVEY, WAS FOUND TO MEANDER VARIABLY FROM THE CALCULATED CENTERLINE POSITION OF THE RIGHT OF WAY.

THE LOCATION OF PROPERTY CORNERS AS DESCRIBED IN DOUGLAS COUNTY OREGON DEED RECORDS BOOK 494 PAGE 532 WERE DETERMINED AS FOLLOWS. IT WAS TAKEN THAT THE INTENT OF THE DESCRIPTION WAS TO LOCATE A PARCEL TO THE EAST OF THE NARROWER RAILROAD RIGHT OF WAY. THE POINT OF BEGINNING WAS TAKEN AS THE MOST EASTERLY OF THE FOUND RAILROAD IRON MONUMENTS. THIS MONUMENT WAS FOUND TO BE SOUTH OF THE EAST/WEST CENTERLINE OF THE SOUTHWEST 1/4, THEREFORE, THE "EAST" CALL OF THE DESCRIPTION WAS RUN PARALLEL TO THE EAST/WEST CENTERLINE OF THE SOUTHWEST 1/4, AS DETERMINED BY IRVING, FOR THE RECORD DISTANCE. DUE TO THE MORE DEFINITIVE NATURE OF THE DISTANCE CALLS, RECORD DISTANCES WERE HELD FOR THE REMAINDER OF THE DESCRIPTION, AND ALSO BY FORCING THE WEST LINE TO BE PARALLEL WITH THE CENTERLINE OF THE RAILROAD, AS PREVIOUSLY DETERMINED.

THE CORNERS SET IN THIS SURVEY WERE MONUMENTED AS NOTED OR WITH 5/8" X 30" REBAR WITH YELLOW PLASTIC CAPS INSCRIBED "D.W. BAKER PLS 1978". THE TRUE PROPERTY LINE WAS MARKED BY BLAZING TREES (BLAZES PAINTED RED) ON EITHER SIDE OF THE TRUE LINE AS APPROPRIATE. BEARING TREES ESTABLISHED OR TIED IN THIS SURVEY WERE BASED ON MAGNETIC 20' DECLINATION, WITH DISTANCES TO A "W" SPIKE IN THE LOWER BLAZE AND/OR ALSO TO AN 8" SPIKE AT SIDE CENTER AS NOTED.

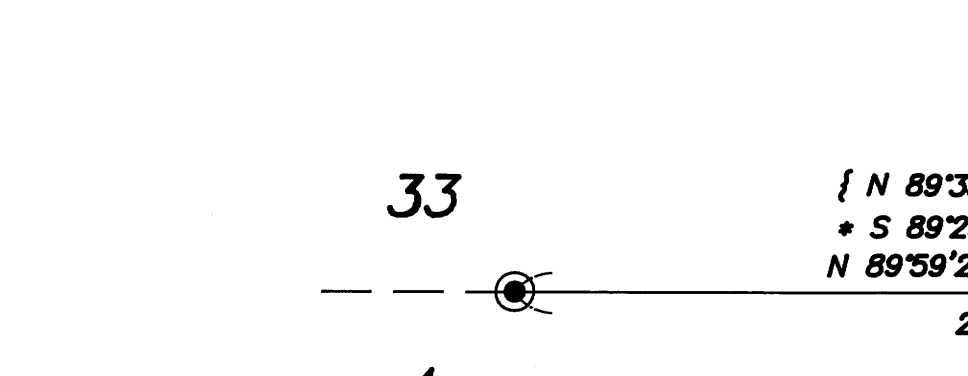
1/4 CORNER 33, 34

FOUND: U.S.B.L.M. BRASS CAP DATED 1981
 BROKEN HAINES "T" IRON, N 70 W, 10.3 FT.
 RECORD: N 82 W, 10.0 FT. - 1959 HAINES
 27" OAK, S 80 E, 63.3 FT. TO SET SPIKE - CLOSED FACE
 RECORD: S 80 E, 97 LKS. - 1981 BLM
 18" FIR STUMP, N 24 W, 38.0 FT. - CLOSED FACE
 RECORD: N 25-1/2 W, 60 LKS. - 1981 BLM
 SET: 7" FIR, S 51 W, 47.0 FT. TO "W" NAIL
 SCRIBED "1/4 S33 BT"
 22" OAK, S 88 E, 138.5 FT. TO "W" NAIL
 SCRIBED "1/4 S34 BT"
 10" FIR, N 48 E, 237.3 FT. TO "W" NAIL
 SCRIBED "1/4 S34 BT"

POINT ON LINE

SET: 2" X 30" IRON PIPE WITH BRASS CAP DATED 1996
 16" ALDER, N 33 W, 29.0 FT. TO "W" NAIL
 SCRIBED "X BT"
 12" ALDER, N 12 E, 38.3 FT. TO "W" NAIL
 SCRIBED "X BT"
 6 FT. METAL FENCE POST 3 FT. EAST

NOTE: MONUMENT IS PROVIDED ONLY AS A POINT ON LINE AND NOT AS A PROPERTY CORNER. SEE NARRATIVE.



1/4 CORNER 4, 33

FOUND: U.S.B.L.M. BRASS CAP DATED 1981
 14" FIR, S 76 E, 78.4 FT. - SCRIBE VISIBLE
 RECORD: S 77 E, 78.2 FT. - 1982 DOUGLAS CO.
 32" FIR, S 64 W, 29.9 FT. - CLOSED FACE
 RECORD: S 66 W, 30.0 FT. - UNKNOWN, PRE 1964

SECTION CORNER 3, 4, 33, 34

FOUND: 1" ALUMINUM PIPE PER 1980 WEYERHAEUSER CO.
 44" FIR STUMP, N 80 W, 205.0 FT.
 RECORD: N 80 W, 309 LKS. - 1855 GLO
 39" FIR, N 88 E, 57.2 FT. - CLOSED FACE
 RECORD: N 88 E, 57.2 FT. - 1984 DOUGLAS CO.
 26" FIR, N 54 W, 34.6 FT. - CLOSED FACE
 RECORD: N 54 W, 34.6 FT. - 1984 DOUGLAS CO.

1/4 CORNER 3, 34

FOUND: 1" IRON PIPE W/ YELLOW CAP INSCRIBED "WEYER CO" - 1988 M107-26
 72" FIR, STUMP, N 7-1/2 E, 47.5 FT. - AXE WORK VISIBLE
 RECORD: N 8 E, 72 LKS. - 1855 GLO
 21" FIR, S 1 W, 42.8 FT. TO "W" NAIL - SCRIBE VISIBLE
 RECORD: S 2 W, 42.8 FT. TO "W" NAIL - 1988 WEYERHAEUSER
 20" FIR, S 68-1/2 W, 60.8 FT. TO "W" NAIL - SCRIBE VISIBLE
 RECORD: S 70 W, 60.8 FT. TO "W" NAIL - 1988 WEYERHAEUSER
 20" FIR, N 39-3/4 W, 28.9 FT. TO "W" NAIL - SCRIBE VISIBLE
 RECORD: N 38 W, 28.9 FT. TO "W" NAIL - 1988 WEYERHAEUSER
 SET: 6 FT. METAL FENCE POST 1 FT. SOUTH

PROPERTY CORNER

FOUND: 1" IRON PIPE W/ YELLOW CAP INSCRIBED "WEYER CO" - 1988 M107-26
 28" FIR, S 15 E, 16.1 FT. TO CENTER - SCRIBE VISIBLE
 RECORD: S 15 E, 15.3 FT. TO "W" NAIL - 1988 WEYERHAEUSER
 32" FIR, S 88 E, 36.1 FT. TO CENTER - SCRIBE VISIBLE
 RECORD: S 88 E, 35.1 FT. TO "W" NAIL - 1988 WEYERHAEUSER

NOTE: CORNER MONUMENT FOUND TO BE 0.25 FT. NORTH OF SECTION LINE

SW ELIJAH ESTES D.L.C. No. 37

FOUND: 1" IRON PIPE PER M11-1 DATED 1951
 14" FIR, N 80 E, 4.2 FT. - DOWN AND OUT
 18" FIR, N 32 W, 7.9 FT. - DOWN AND OUT
 SET: YELLOW PLASTIC CAP INSCRIBED "D.W. BAKER PLS 1978" IN PIPE
 11" HEMLOCK, S 11 E, 33.0 FT. TO "W" NAIL
 SCRIBED "CL 37 BT"
 33" FIR, S 29 E, 35.5 FT. TO "W" NAIL
 SCRIBED "CL 37 BT"
 21" FIR, S 54 W, 19.4 FT. TO "W" NAIL
 SCRIBED "CL 37 BT"
 18" HEMLOCK, S 84 E, 28.9 FT. TO "W" NAIL
 SCRIBED "CL 37 BT"
 6 FT. METAL FENCE POST 1 FT. NORTH

BASIS OF BEARING: SOLAR OBSERVATION AS COORDINATED WITH M118-10

LEGEND

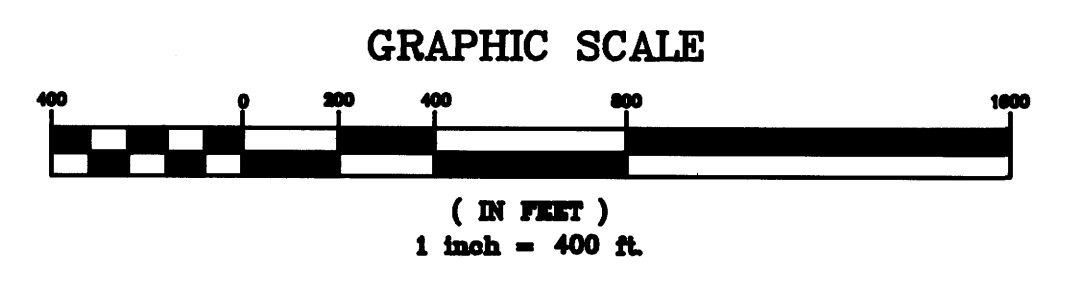
- ⊙ - CORNERS FOUND (AS NOTED)
- - CORNERS SET - 5/8" X 30" REBAR WITH YELLOW PLASTIC CAP INSCRIBED "D.W. BAKER PLS 1978" - SIGN ALONGSIDE
- - 2" X 30" IRON PIPE WITH BRASS CAP DATED 1996
- - CALCULATED POINT (NOT SET)
- - PROPERTY LINE
- - BROKEN LINE
- { } - RECORD DATA - 1855 GLO
- (()) - RECORD DATA - M107-26 DATED 1988
- * * - RECORD DATA - M29-63 DATED 1944
- [] - RECORD DATA - M11-1 DATED 1951
- () - DOUGLAS COUNTY DEED RECORDS BOOK 494 PAGE 532

RAILROAD TANGENT INFORMATION OF RECORD DRAWING V16-47

LINE	CALC. DIRECTION	RECORD DISTANCE
L1	N 74°44'46" W	161.00'
L2	N 87°19'31" W	485.00'
L3	S 57°25'29" W	1202.00'
L4	S 32°46'59" W	246.89'

RAILROAD CURVE INFORMATION OF RECORD DRAWING V16-47 CALCULATED BY RAILROAD CURVE METHOD

CURVE	CALC. RADIUS	RECORD LENGTH	CALC. CHORD	CALC. BEARING	RECORD DELTA
C1	1909.88'	251.00'	250.93'	S 89°35'14" W	07°32'00"
C2	1432.41'	310.00'	309.40'	N 80°26'46" W	12°24'00"
C3	1432.41'	327.00'	326.27'	N 80°47'09" W	13°04'45"
C4	918.74'	257.00'	256.23'	S 84°38'29" W	16°04'00"
C5	2232.33'	294.00'	293.95'	S 72°49'59" W	07°33'00"
C6	1931.34'	392.00'	391.47'	S 63°14'29" W	11°38'00"
C7	2864.83'	1232.00'	1222.63'	S 45°06'14" W	24°38'30"



COUNTY SURVEYORS FILE DATA
 DO NOT REMOVE FROM OFFICE

REGISTERED PROFESSIONAL LAND SURVEYOR
 Daniel W. Baker
 OREGON JULY 16, 1983
 DANIEL W. BAKER 1978
 EXPIRES 12/31/97

SURVEY IN
 SW 1/4 SECTION 34, T21S, R5W, W.M.
 DOUGLAS COUNTY

CLIENT: WEYERHAEUSER COMPANY

DRAWN BY: DHW
 DATE: 2/25/96
 FILE: WEYCO210534

BAKER AND ASSOCIATES, SURVEYORS
 1385 OAK STREET - SUITE 3
 EUGENE, OREGON (541) 343-7243