

SURVEY MAP

FOR - EIK Lumber Company
 PO Box 100, Medford, Ore.
 LOCATION - Secs 15 & 22 T37S, R2W, W.M.
 DLC No 69
 BY - Robert M. Vincent
 DATE - June 30, 1966
 MERIDIAN - By Solar Observation
 SCALE - 1 Inch = 200 Feet

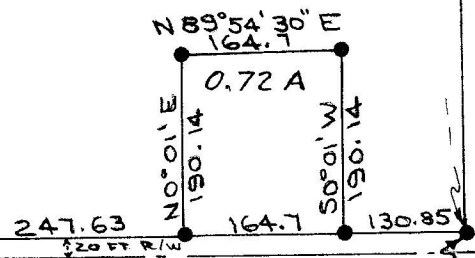
50°01'W 1277.33 FT.
 (DEED RECORD BEARING - SOUTH)

N0°01'E 1276.57 FT.
 (BEARING FROM RECORDED SURVEY NO. 833)
 (DEED RECORD BEARING - NORTH)

15.22 ACRES



REGISTERED
OREGON
 LAND SURVEYOR
Robert M. Vincent
 JULY 9, 1962
 ROBERT M. VINCENT
 583



CORNERS

- FOUND REESTABLISHED DLC CORNER
- SET 1 INCH X 3/8 INCH GALV. PIPE

ROSS LANE (40 FT. R/W)

N89°54'30" E
 (DR BRG - EAST)

SOLAR OBSERVATION SHEET

3139

Date 6/16/66 Sec. 15 Twp. 32S Range 2W Obs. by STOCKFORD & TAYLOR
 Instrument No. 170951 Inst. Corr: Horiz. 0°00' Vert. 0°00'
 Compass Brg. of Ref. Line N 8 1/2° E Mag. Decl. 20° EAST
 Latitude 42° 20.7' Elevation 1340 Temperature 70°
 Inst. at Sta. A2 Pointing at Sta. A1 Horiz turned CLOCKWISE
 Computation by STOCKFORD Checked by Bruce E. Russell

OBSERVED DATA	Trial 1	Trial 2	Trial 3
Horiz 1	77° 26'	77° 35'	78° 12'
Horiz 2	77° 39'	78° 01'	78° 25'
Horiz Mn.	77° 32 1/2'	77° 58'	78° 18.5'
Vert 1	30° 00'	30° 30'	30° 54'
Vert 2	30° 17'	30° 40'	31° 10'
Vert Mn.	30° 08.5'	30° 35'	31° 02'
Time 1	7:34	7:36	7:38
Time 2	7:35	7:37	7:40
Time Mn.	7:34	7:37	7:39

SUN'S DECLINATION 'd'			
Std. Time of Obs.	7:34	7:37	7:39
Corr for 24 Hr Basis	—	—	—
Corr. for Long. (+8 Hrs.)	8:00	8:00	8:00
G.C.T.	15:34	15:37	15:39
Sun's 'd' Oh G.C.T.	23° 19.6'	23° 19.6'	23° 19.6'
Ch/Hr <u>10.09</u> x <u>15.57</u> Hrs.	+ 1.4	+ 1.4	+ 1.4
Sun's 'd' at Time of Obs.	23° 21.0'	23° 21.0'	23° 21.0'

SUN'S ALTITUDE 'h'			
Meas. Alt.	30° 08.5'	30° 35.0'	31° 02.0'
Refract. & Par. (<u>1.66</u>) (<u>.97</u>) (<u>.92</u>) <u>7.15</u>	- 1.4	- 1.4	- 1.4
True Altitude 'h'	30° 07.1'	30° 33.6'	31° 00.6'

FORMULA

$$\cos Z = \frac{\sin d - \sin h \sin l}{\cos h \cos l}$$

$$Z = \text{Sun's Brg. East or West of North}$$
 (East in AM West in PM)
 Negative val. of Cos Z indicates Z greater than 90°

Comp-Trial 1

$$\cos Z = \frac{(\sin 23^\circ 21.0') - (\sin 30^\circ 07.1') (\sin 42^\circ 20.7')}{(\cos 30^\circ 07.1') (\cos 42^\circ 20.7')}$$

$$= \frac{(.39635) - (.50179)(.67359)}{(.86499)(.73910)}$$

$$= \frac{.39635 - .33796}{.63470}$$

$$= \frac{.05839}{.63470}$$

$$Z = 89^\circ 45.8' E$$

Z ± Horiz Δ = Brg. Ref. Line = N 7° 13.3' E

Comp-Trial 2

$$\cos Z = \frac{(\sin 23^\circ 21.0') - (\sin 30^\circ 33.6') (\sin 42^\circ 20.7')}{(\cos 30^\circ 33.6') (\cos 42^\circ 20.7')}$$

$$= \frac{(.39635) - (.50844)(.67359)}{(.86110)(.73910)}$$

$$= \frac{.39635 - .34248}{.63470}$$

$$= \frac{.05387}{.63470}$$

$$Z = 85^\circ 08.7' E$$

Z ± Horiz Δ = Brg. Ref. Line = N 9° 10.4' E

Comp-Trial 3

$$\cos Z = \frac{(\sin 23^\circ 21.0') - (\sin 31^\circ 00.6') (\sin 42^\circ 20.7')}{(\cos 31^\circ 00.6') (\cos 42^\circ 20.7')}$$

$$= \frac{(.39635) - (.51519)(.67359)}{(.85708)(.73910)}$$

$$= \frac{.39635 - .34696}{.63470}$$

$$= \frac{.04939}{.63470}$$

$$Z = 87^\circ 11.1' E$$

Z ± Horiz Δ = Brg. Ref. Line = N 7° 13.3' E

RINA '64
 117° 13' 27" E Bldg.
 502100

SURVEY NARRATIVE TO COMPLY WITH ORS 209.250, REVISED BY CHAPTER 555, O.L. 1963

FOR ELK LUMBER COMPANY
P. O. BOX 100, MEDFORD, OREGON

PURPOSE-

To establish and monument the boundaries of a tract of property owned by Orville E. and Grace A. Childreth, located North of Ross Lane in DLC 69, T. 37 S, R. 2 W, W.M.; and to segregate and describe a portion thereof to be reserved as a homesite. This property is also a portion of the Southeast quarter of Section 15 and the Northwest quarter of Section 22, T. 37 S., R. 2 W., W. M.

PROCEDURE -

1. Used bearings for North and East property boundaries as shown in Recorded Survey No. 833.
2. Set the Northwest and Northeast property corners at Deed Record positions on the North boundary of DLC 69.
3. Established the center line of Ross Lane from P. I. pins and set the Southwest and Southeast property corners on the North right-of-way boundary thereof.
4. Corners of the homesite area were set to dimensions specified by owners, and with the North boundary parallel to the center line of Ross Lane and the East and West boundaries parallel to the East boundary of the entire tract.

MONUMENTS -

All corners are monumented with 1" x 36" galvanized iron pipes set flush with the ground surface.

MERIDIAN -

By solar observation. Also checked against record bearing for the center line of Ross Lane.

FIELD WORK COMPLETED - June 29, 1966.

