

M 84-38

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JUL 11 1980

COUNTY SURVEYOR
DOUGLAS COUNTY, ORE.



SURVEY NARRATIVE

For: Richard D. Bonebrake

Location: S.W. ¼ & S.E. ¼, S. 16, T. 27 S., R. 6 W., W.M.

Purpose: To Adjust Common Deed Line

Procedure: Basis of Bearings by Solar Observation
(Time Method). See computation sheet
attached.
Control traverse using TOPCON DMC2 &
TOPCON TL60E.
Side ties to set pins.

Findings: Braunda Ave. was reestablished per M33-16.
Measurement was to the top of the leaning
rod and to the base of the badly bent rod.

The ¼ corner was relocated from a B.T. per
M28-50.

The N.W. line of the Deeds was located per
monuments.

The N.E. line of the deeds was located per
monuments.

The common line of the Deeds is the center
line of the section. This line was not
located or monumented by this survey.

The section line per deeds and various
previous surveys is designated "Approximate"
by this survey.

Note that the calls per deed #68-8727 do not
provide a closed figure.

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OREGON
JULY 13, 1979
ROBERT G. DEAN
1808

6/18/80

C.S. File 58 / 204N -3A

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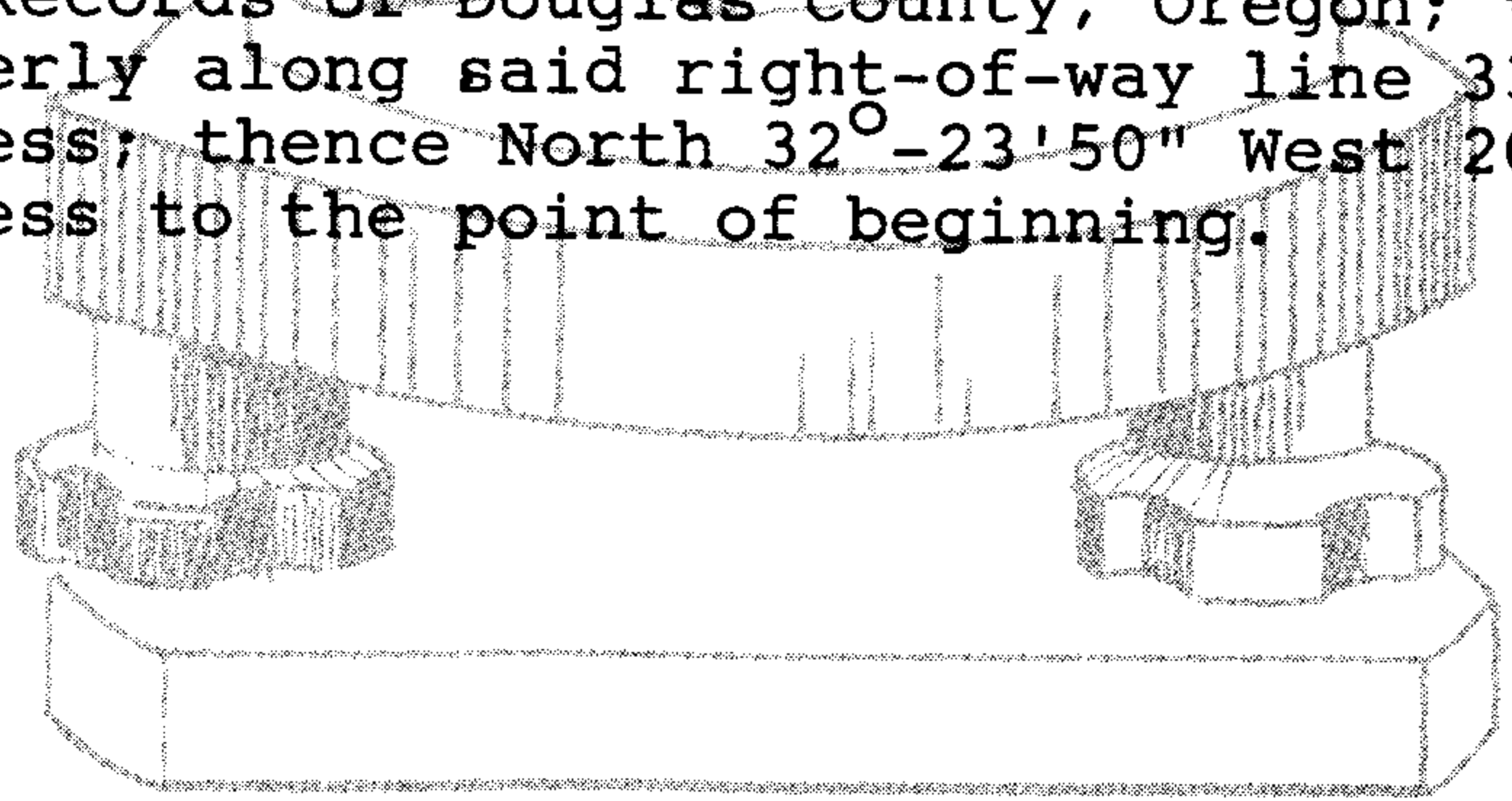
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DESCRIPTION FOR TRANSFER

A parcel of land situated in Section 16, Township 27 South, Range 6 West, Willamette Meridian, Douglas County, Oregon, and being more particularly described as follows:

Beginning at a point being marked with a 1/2" iron rod on the northwesterly line of the Bonebrake land described in instrument number 79-13935 of the Deed Records of Douglas County, Oregon and from which point a 5/8" iron rod (called "3/4" iron rod at the Southwest corner of the plat of SHORT ACRES and on the South line of Section 16, Township 27 South, Range 6 West, Willamette Meridian" per said instrument number 79-13935) bears North 42°-19'-30" East 424.24 feet and South 44°-06'-40" East 743.34 feet; thence running along the northwesterly line of said instrument number 79-13935 North 42°-19'-30" East 210.0' more or less to the East line of the Southwest quarter of said Section 16; thence southerly along said East line 315.42 feet more or less to the northwesterly right-of-way line of Braunda Avenue as described in instrument number 67-3924 of the Deed Records of Douglas County, Oregon; thence southwesterly along said right-of-way line 33.9 feet more or less; thence North 32°-23'-50" West 206.58 feet more or less to the point of beginning.



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P.O. BOX 1018 • COTTAGE GROVE, OR 97424

Map File *484-738*

BONE BRAKE

6/12/80
2 DEAN

SOLAR WED 5/28/80

$\phi = 43^{\circ}12'52''$ $\lambda = 123^{\circ}24'56''$ OCC #3 BS #2
 $\delta = N 21^{\circ}26'39'' + 0.40' \times (8 + 16.37) = +21^{\circ}36'39''$
 $E = +0^h 02^m 50.4^s - 0.31^s \times 24.37 = +0^h 02^m 42.85^s$

TANA = $\frac{-\sin t}{\tan \delta \cos \phi - \sin \phi \cos t}$

| CATCH | CORR | PDT | ZONE | UT | UT+E+12 GHA | (GHA-24)15- λ t | $\bar{X} \rightarrow \Delta$ A | HOR \odot | ERG | R.O. |
|---------|------------------|------------------|-----------------|----------|----------------|----------------------------|-----------------------------------|-------------|--|------------|
| 5:19:37 | +27 ^s | +11 ^h | +8 ^h | 24:20:04 | 36:22:47 | 62°16'49" | 88°04'21" | 244°51'00" | 23°13'21" | 0°00'00" |
| 5:22:38 | | | | 24:21:05 | 36:23:48 | 62°32'04" | 88°15'02" | 245°02'40" | 23°12'22" | |
| 5:21:27 | | | | 24:21:54 | 36:24:37 | 62°44'19" | 88°23'36" | 245°10'00" | 23°13'36" | |
| | | | | | | | | | $\bar{X}_p = 23^{\circ}13'06'' \pm 39''$ | |
| 5:22:58 | | | | 24:23:25 | 36:26:08 | 63°07'04" | 88°39'28" | 65°26'00" | 23°13'28" | |
| 5:24:09 | | | | 24:24:36 | 36:27:19 | 63°24'49" | 88°51'49" | 65°38'00" | 23°13'49" | |
| 5:25:00 | | | | 24:25:27 | 36:28:10 | 63°37'34" | 89°00'39" | 65°47'00" | 23°13'39" | 180°00'00" |
| | | | | | | | | | $\bar{X}_s = 23^{\circ}13'39'' \pm 10''$ | |

$\bar{X} = 23^{\circ}13'22'' \pm 31''$
#3 \rightarrow #2

SOLAR TUES 5/27/80
OCC #3 BS #2

$\delta = N 21^{\circ}17'07'' + 0.41' (8 + 16.67) = +21^{\circ}27'07''$
 $E = 0^h 02^m 50.4^s - 0.31^s \times 24.67 = 0^h 02^m 43^s$

| | | | | | | | | | | |
|---------|------------------|------------------|-----------------|----------|----------|-----------|-----------------------------|------------|-----------|------------|
| 5:36:18 | +27 ^s | +11 ^h | +8 ^h | 24:36:45 | 36:39:28 | 66°27'04" | ^{SE} -89°11'59" | 247°35'00" | 23°13'01" | 0°00'00" |
| 5:37:12 | | | | 24:37:39 | 36:40:22 | 66°40'34" | -89°02'50" | 247°44'00" | 23°13'10" | |
| 5:38:07 | | | | 24:38:34 | 36:41:17 | 66°54'19" | -88°53'32" | 247°53'20" | 23°13'08" | |
| 5:40:40 | | | | 24:41:07 | 36:43:50 | 67°32'34" | -88°27'43" | 62°20'00" | 23°12'17" | |
| 5:42:45 | | | | 24:43:12 | 36:45:55 | 68°03'49" | -88°06'43" | 68°41'00" | 23°12'17" | |
| 5:43:33 | | | | 24:44:00 | 36:46:43 | 68°15'49" | -87°58'41" | 68°49'20" | 23°11'59" | |
| 5:44:48 | | | | 24:45:15 | 36:47:58 | 68°34'34" | -87°46'08" | 69°02'00" | 23°11'52" | |
| 5:45:52 | | | | 24:49:19 | 36:52:02 | 69°35'34" | -87°05'30" | 69°42'30" | 23°12'00" | |
| 5:50:30 | | | | 24:51:06 | 36:53:49 | 70°02'19" | -86°47'45" | 249°58'00" | 23°14'15" | 180°02'00" |

$\bar{X} = 23^{\circ}12'43'' \pm 49''$

USE #3 \rightarrow #2 23°13'22"

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