RETRACEMENT OF LINE BETWEEN SEC. 17/16 & 20/21 AND THE SUBDIVISION OF SECTIONS 28, 29 & 32, ALL IN T.11S., R30E., W.M. GRANT COUNTY OREGON

Survey Performed: Aug. Sept. & Oct. 1986
By: Douglas M. Ferguson, PLS 848
Drawn By: Mollee K. Wood

Ferguson Surveying & Engineering
Mt. Vernon Oregon
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MONUMENTATION

See standard U.S.F.S. "INDEX No", in circle, on the Map Lt., Monuments are stamped & Bearing Trees or other Accessories are taken as shown Below. Nailed Bearing Tree signs above scribing blaze, warning signs on back and brass washers stamped "PLS 848" above BT scribe on each tree. Set steel posts with warning and/or boundary signs, on the property line, approx. 5ft. each way from Property Corners. Set steel posts with warning sign within 5 ft., in a cardinal direction from each controlling Corner.

See "CERTIFIED RECORD OF LAND CORNER MONUMENTATION" forms as referenced to this Map of Survey No. 955 and on file in office of the Grant County, for complete discription of History, Evidence, Monumentation & Accessories.

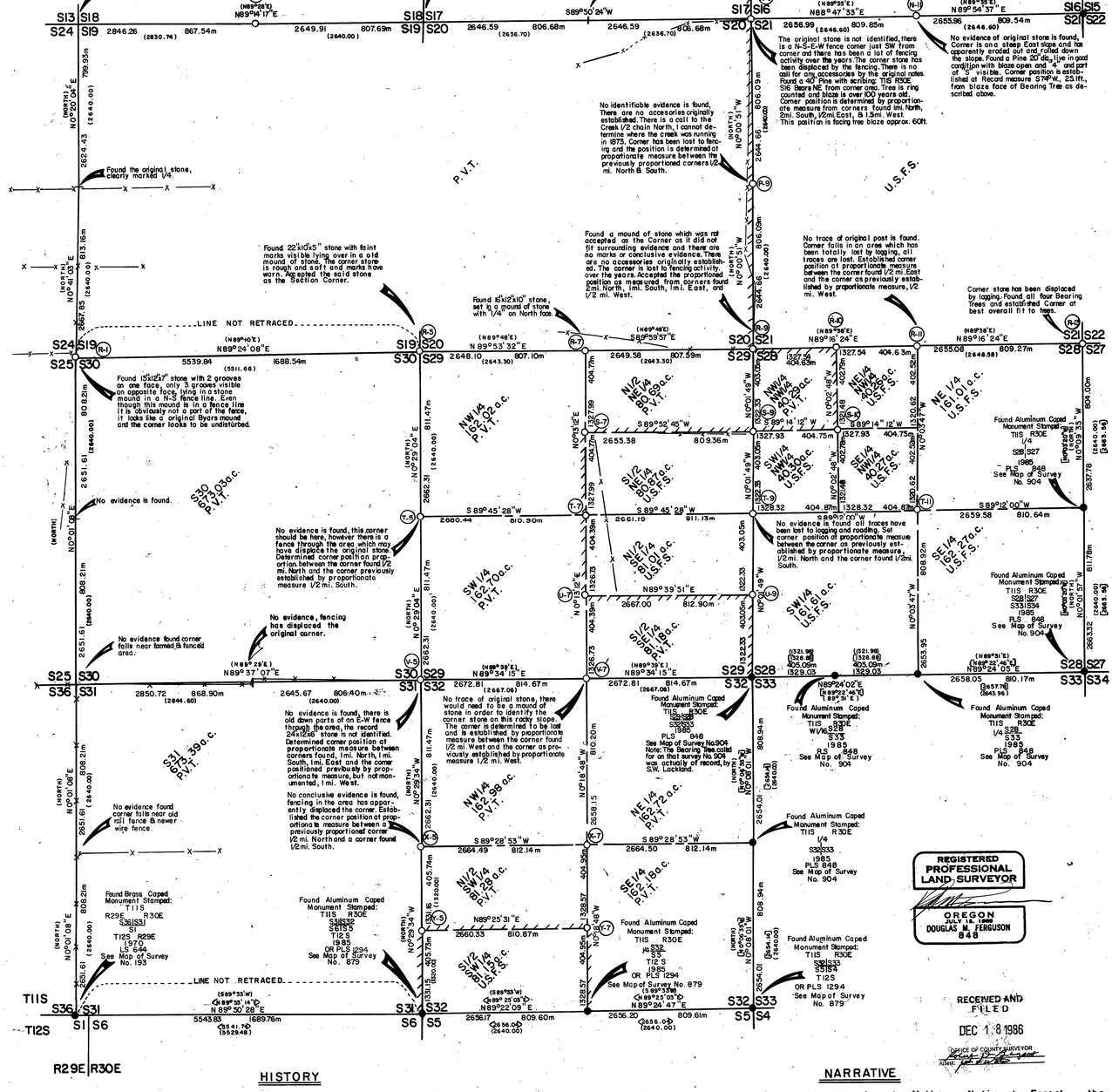
1000' 0' 1000' 2000' 3000'
304.8m 0m 304.8m 609.6m 914.4m
SCALE: 1" = 1000'

BASIS OF BEARINGS

WEST LINE OF SECTION 16 AS SHOWN ON MAP OF SURVEY NO. 848, WITH CONVERGENCY APPLIED SO THAT TRUE MERIDIAN RUNS ALONG THE LINES BETWEEN SECTIONS 16/17, 20/21, 29/28, 32/33, PROVIDING FOR A LOCAL GRID ON EACH SIDE OF THAT LINE.

LEGEND

- ○ Set 2-1/2"x30" aluminum pipe with 3-1/2" aluminum cap, stamped as shown on MONUMENTATION hereon
- ● Found Brass caped Monument, stamped as shown on the map
- Forest Boundary marked by setting steel post with Boundary Signs, at approx. max intervals of ≈ 200'
- ( ) Bearing or Distance of Record, as reported by the original, General Land Office Survey (See History for individual Surveyor)
- [ ] Bearing or Distance as reported on Map of Survey No. 904 (See History)
- *[ ] Bearing or Distance as reported on Map of Survey No. 884 (See History)
- <> Bearing or Distance as reported on Map of Survey No. 879 (See History)
- —x—x— Fence Line



REGISTERED PROFESSIONAL LAND SURVEYOR
OREGON JULY 14, 1986 DOUGLAS M. FERGUSON 848

RECEIVED AND FILED
DEC 1 8 1986
OFFICE OF COUNTY SURVEYOR
NAME

HISTORY

In May 1873, W.H. Byars Made the original survey of the South & West exteriors of T.11 S., R.30 E., W.M., under General Land Office Contract No. 185. He first ran on true, South along the West exterior, setting corners at 1/2 mi. intervals, he then ran from the Southwest corner of the Township, East setting corners, then found Southeast corner of the Township as previously established by John B. David, in 1969 at 83.78 ch. & 3.78 ch. South. He then ran from that corner S89°33'W, destroying his original corners & resetting corners at 40 ch. intervals, with 43.78 ch. in the West 1/2 mi.

In Aug. 1873, the same W.H. Byars subdivided the West two tiers of Sections in T.11 S., R.30 E., W.M., under General Land Office Contract No. 197. He began at the corner between Sections 31 & 32, subdividing the West tier running North then West on random and East on true through that tier. He then began at the SE cor. of Section 32 running North then West on random and East on true, through that tier of Sections.

In 1881, under General Land Office Contract No. 415, S.W. Lackland intersected the South exterior of T.11 S., R.30 E., at 3.20 ch. East from the Southwest corner as previously established by W.H. Byars, he then retraced the South exterior, running "East", and found the 1/4 cor. at 40.26 ch. and the Section cor. at 80.26 ch.,.

In 1881, under the same General Land Office Contract No. 415, S.W. Lackland subdivided the West four tiers of sections in this T.11 S., R.30 E., in a normal manner, beginning at the corner between Sections 35 & 36. and closing on the section corners as previously established by W.H. Byars.

In June, 1970, D.I. Griffith, PLS 644 Monumented the Southwest Corner of T.11 S., R.30 E., W.M. from original evidence, as shown on Map of Survey No. 193, as filed in the office of the Grant County Surveyor.

In 1981, Howard L. Perry, PLS 1294 retraced and monumented the Line between T.11 & 12 S., R. 30 E., W.M. while performing a project for the Malheur National Forest and shown on Map of Survey No. 724, that survey is modified by PLS 1294 in 1985, as required to reflect the "irregular" boundary caused by S.W. Lacklands retracement in 1881 (See above). The modification is shown on Map of Survey No. 879. Both above stated surveys are as on file in the office of the Grant County Surveyor.

The corner of S9/S10/S15/S16, T.11 S., R.30E., is monumented from original evidence in 1983 by this Surveyor, PLS 848, as shown on Map of Survey No. 784, of the Grant County Survey Records.

In Aug. 1985, this Surveyor, PLS 848, retraced and remonumented the line between S16 S15, T.11 S., R.30 E., as shown on Map of Survey No. 884, of the Grant County Survey Records.

In Sept. & Oct., 1985, this Surveyor, PLS 848, retraced and re-established the East line of Sec. 32, and the South and East lines of Sec. 28, T.11 S., R.30 E., as shown on Map of Survey No. 904 of the Grant County Survey Records.

NARRATIVE

This Survey is performed under contract for the Malheur National Forest, the purpose of which is the establishment and marking of the Forest Boundary, as shown on this Map.

In order to accomplish this the following procedure is used:
The North line of Sec. 16 is retraced, locating all the original corners.
The lines between Sections 17/16, 20/21 & 29/28 is retraced and the only identifiable corner is located at the South extremity of that line. Retracement is then continued East and West from the corner of Sections 16/17/20/21, where corners are identified 1 mi. East and 1-1/2 mi. West. Retracement is continued East & West from the corner of Sections 20/21/28/29, where corners are identified 1 mi. East & 1/2 mi. West. The lost Section Corners of Sections 16/17/20/21 & 20/21/28/29 and the lost 1/4 corners between Sections 17/16, 20/21, 21/28, & 29/28 are then established by proportionate measure. Section 28 is then subdivided in a routine manner.

In order to subdivide Sections 29 & 32 the lost corner to Sections 29/30/31/32 is established by proportionate measure between corners found 1 mi. North, 1 mi. South, 1 mi. East and the corners position of Sections 25/30/31/36 as established by proportionate measure between corners found 1 mi. North & 1 mi. South. (Corner of Sections 25/30/31/36 is not monumented) The 1/4 corners between Sections 30/29, 29/32 & 31/32 are then established and Sections 29 & 32 are subdivided in a normal manner.

Pertinent provisions of the Bureau of Land Management, MANUAL OF SURVEYING INSTRUCTIONS are followed as outlined. Chapter 5 is followed in the re-establishment of the lost corners. Chapter 6 is followed in the performance of this Dependent Resurvey. Chapter 3 is followed in the subdivision of Sections.

The "CERTIFIED RECORD OF LAND CORNER MONUMENTATION" forms as referenced to this Map and the notes shown on the map should be considered a substantial part of this "NARRATIVE" as they contain the detailed information as to the evaluation of evidence found and the methods used in re-establishing lost corners.

Positional control for this survey is provided by a closed traverse network. LIETZ SDM 3E Electronic Tacheometer is used to obtain the measurements and HP-86B computer system is used to perform the computations. Field Notes and computations are on file in the office of "FERGUSON SURVEYING & ENGINEERING", Mt. Vernon Oregon.

I, Douglas M. Ferguson, Registered Professional Land Surveyor, in the State of Oregon, hereby certify that this plat, notes and records hereon or attached are a correct representation of the survey I performed during, Aug. Sept. & Oct. of 1986, for the U.S. Forest Service, in accordance with the statutes of the State of Oregon and the articles of my contract, No. 53-04H1-5-0150N.

Douglas M. Ferguson, Or. PLS 848

MAP OF SURVEY NO. 955