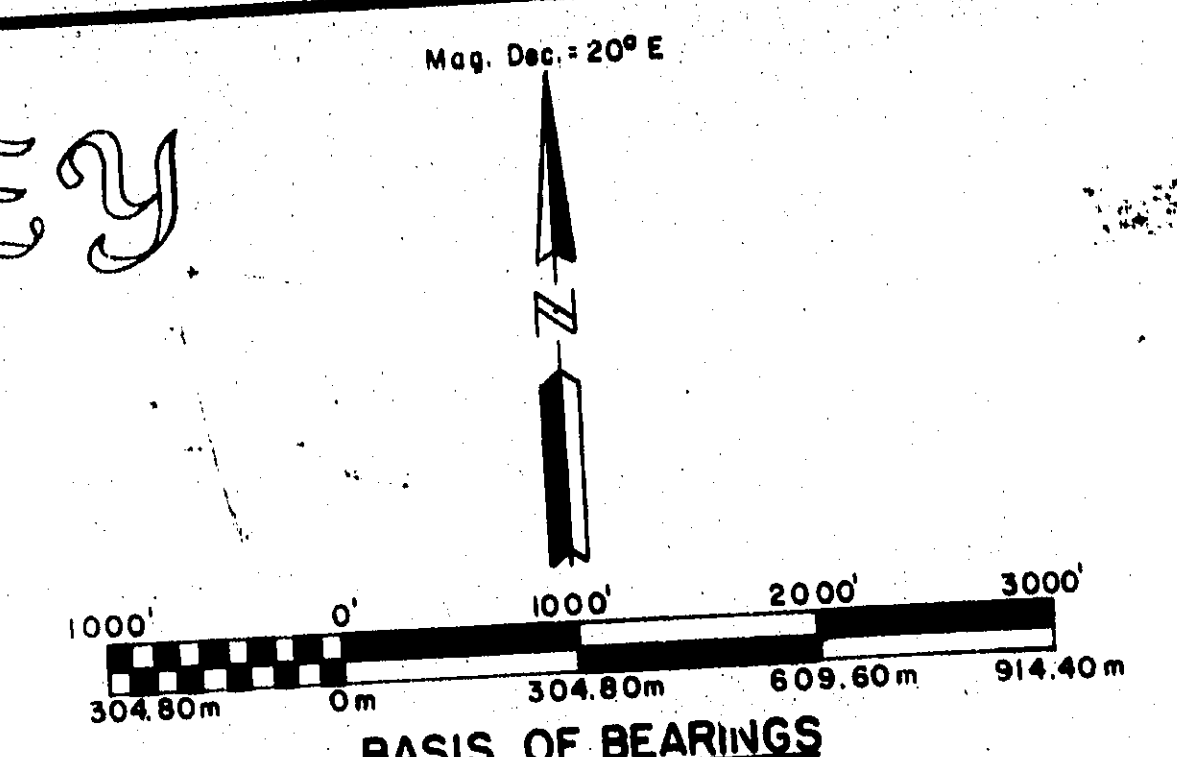


HERREN CADASTRAL SURVEY

LEGEND

- Set 30x2 1/2" Aluminum Pipe with 2 1/2" Aluminum Cap
- Found Aluminum Cap Monument of Record
- Property Line Marked by Setting Steel Posts with Boundary Signs at Maximum Intervals of 300'. Posts Average 200' Intervals.
- () Record Bearing or Distance from Original G.L.O. Survey
- (*) Record Bearing or Distance from Morrow County Survey No. 204-K By Donald L. Staebler in 1968.



MONUMENTATION

See standard U.S.F.S. "INDEX" number, in circle, on the map. Monuments are stamped as shown below. Nailed Bearing Tree signs, above BT scribe, on each tree, back & brass washers stamped "PLS 848" on dia. 2", above BT scribe, on each tree, Set steel posts with warning signs, on line, 5 ft. each way from controlling corners, or a single post with warning sign within 5 ft. of Set appropriate posts with warning signs or other accessories where required, found & establishing new bearing trees or other accessories where required. See Certified Record of Land Corner Monumentation forms on file in the Morrow Co. Surveyors office, for complete history & description of evidence found, monument set and accessories established at all corners set or maintained.

Section	Monumentation	Monumentation	
N-5 T4S R28E S18 BT	A Pine 14" dia. bears N40°W 82.6 Scried T4S R28E S18 BT	V-9 T4S R28E S28 BT	A Tamarack 16" dia. bears N73°W 38.4 Scried T4S R28E S28 BT
S19 S20	A Pine 10" dia. bears N80°E 42.4 Scried T4S R28E S19 BT	V-10 T4S R28E S28 BT	A Fir 8" dia. bears N44°E 24.5 Scried T4S R28E S28 BT
S21 S22	A Pine 12" dia. bears S4°E 39.2 Scried T4S R28E S21 BT	V-11 T4S R28E S28 BT	A Fir 8" dia. bears N60°E 10.7 Scried 1/4 S28 BT
S23 S24	A Pine 12" dia. bears S9°W 42.2 Scried T4S R28E S23 BT	V-12 T4S R28E S28 BT	A Fir 12" dia. bears S8°W 9.4 Scried 1/4 S28 BT
S25 S26	A Pine 12" dia. bears N55°W 32.6 Scried T4S R28E S25 BT	V-13 T4S R28E S28 BT	A Fir 12" dia. bears N37°W 17.0 Scried 1/4 S28 BT
S27 S28	A Pine 10" dia. bears N65°E 29.6 Scried T4S R28E S27 BT	V-14 T4S R28E S28 BT	A Spruce 10" dia. bears S15°E 15.6 Scried 1/4 S28 BT
S29 S30	A Pine 10" dia. bears S3°E 18.5 Scried T4S R28E S29 BT	V-15 T4S R28E S28 BT	A Fir 12" dia. bears N56°W 23.3 Scried T4S R28E S28 BT
S31 S32	A Fir 8" dia. bears S36°W 25.5 Scried T4S R28E S31 BT	V-16 T4S R28E S28 BT	A Tamarack 14" dia. bears N51°E 41.5 Scried T4S R28E S34 BT
S33 S34	A Tamarack 12" dia. bears S32°W 32.5 Scried 1/4 S21 BT	V-17 T4S R28E S28 BT	A Tamarack 14" dia. bears S53°E 20.4 Scried T4S R28E S33 BT
S35 S36	A Fir 10" dia. bears N72°W 58.7 Scried T4S R28E S35 BT	V-18 T4S R28E S28 BT	A Fir 10" dia. bears S26°W 35.0 Scried T4S R28E S33 BT
S37 S38	A Fir 10" dia. bears N80°E 30.4 Scried T4S R28E S37 BT	V-19 T4S R28E S28 BT	A Spruce 20" dia. bears S25°W 13.4 Scried 1/4 S28 BT
S39 S40	A Tamarack 14" dia. bears S32°W 32.5 Scried 1/4 S21 BT	V-20 T4S R28E S28 BT	A Spruce 8" dia. bears N1°E 13.0 Scried 1/4 S28 BT
S41 S42	A Fir 10" dia. bears N72°W 58.7 Scried T4S R28E S39 BT	V-21 T4S R28E S28 BT	A Fir 8" dia. bears N62°W 9.4 Scried 1/4 S28 BT
S43 S44	A Fir 10" dia. bears N80°E 30.4 Scried T4S R28E S41 BT	V-22 T4S R28E S28 BT	A Fir 7" dia. bears S37°E 14.5 Scried 1/4 S28 BT
S45 S46	A Tamarack 12" dia. bears S32°W 32.5 Scried 1/4 S21 BT	V-23 T4S R28E S28 BT	A Pine 12" dia. bears N7°W 11.8 Scried 1/4 S28 BT
S47 S48	A Fir 10" dia. bears N72°W 58.7 Scried T4S R28E S47 BT	V-24 T4S R28E S28 BT	A Pine 14" dia. bears S50°E 2.3 Scried NE/6 S27 BT
S49 S50	A Fir 10" dia. bears N80°E 30.4 Scried T4S R28E S49 BT	V-25 T4S R28E S28 BT	A Pine 11" dia. bears N63°W 26.9 Scried 1/4 S27 BT
S51 S52	A Tamarack 14" dia. bears S32°W 32.5 Scried 1/4 S21 BT	V-26 T4S R28E S28 BT	A Lodge Pole Pine 12" dia. bears N17°E 11.1 Scried C/4 S27 BT
S53 S54	A Fir 10" dia. bears N72°W 58.7 Scried T4S R28E S53 BT	V-27 T4S R28E S28 BT	A Lodge Pole Pine 12" dia. bears S12°E 22.2 Scried C/4 S27 BT
S55 S56	A Fir 10" dia. bears N80°E 30.4 Scried T4S R28E S55 BT	V-28 T4S R28E S28 BT	2" Iron pipe set by Staebler in 1968 survey bears S35°W/E 12.89 ft. from true corner position.
S57 S58	A Tamarack 12" dia. bears S32°W 32.5 Scried 1/4 S21 BT	V-29 T4S R28E S28 BT	A Fir 20" dia. bears N73°W 38.1 Scried 1/4 S27 BT
S59 S60	A Fir 10" dia. bears N72°W 58.7 Scried T4S R28E S59 BT	V-30 T4S R28E S28 BT	A Pine 12" dia. bears S69°E 49.3 Scried 1/4 S27 BT
S61 S62	A Fir 10" dia. bears N80°E 30.4 Scried T4S R28E S61 BT	V-31 T4S R28E S28 BT	A Fir 14" dia. bears N18°E 3.0 Scried 1/4 S27 BT
S63 S64	A Tamarack 14" dia. bears S32°W 32.5 Scried 1/4 S21 BT	V-32 T4S R28E S28 BT	A Spruce 7" dia. bears S12°W 10.6 Scried 1/4 S27 BT
S65 S66	A Fir 10" dia. bears N72°W 58.7 Scried T4S R28E S65 BT	V-33 T4S R28E S28 BT	A 3/8" Iron rod set by Staebler in 1968 survey bears S71°S23°W 77.10 ft. from true corner position.
S67 S68	A Fir 10" dia. bears N80°E 30.4 Scried T4S R28E S67 BT	V-34 T4S R28E S28 BT	A Pine 14" dia. bears S6°W 4.2 Scried 1/4 S27 BT
S69 S70	A Tamarack 12" dia. bears S32°W 32.5 Scried 1/4 S21 BT	V-35 T4S R28E S28 BT	A Fir 14" dia. bears N43°W 10.2 Scried 1/4 S27 BT
S71 S72	A Fir 10" dia. bears N72°W 58.7 Scried T4S R28E S71 BT	V-36 T4S R28E S28 BT	Rescribed original BT.
S73 S74	A Fir 10" dia. bears N80°E 30.4 Scried T4S R28E S73 BT	V-37 T4S R28E S28 BT	A Pine 20" dia. bears N28°E 34.1 Scried 1/4 S27 BT
S75 S76	A Tamarack 14" dia. bears S32°W 32.5 Scried 1/4 S21 BT	V-38 T4S R28E S28 BT	A Pine 36" dia. bears S44°W 28.2 Scried 1/4 S34 BT
S77 S78	A Fir 10" dia. bears N72°W 58.7 Scried T4S R28E S77 BT	V-39 T4S R28E S28 BT	A Pine 12" dia. bears N17°W 14.0 Scried T4S R28E S27 BT
S79 S80	A Fir 10" dia. bears N80°E 30.4 Scried T4S R28E S79 BT	V-40 T4S R28E S28 BT	A Fir 12" dia. bears N20°E 16.9 Scried T4S R28E S26 BT
S81 S82	A Tamarack 12" dia. bears S32°W 32.5 Scried 1/4 S21 BT	V-41 T4S R28E S28 BT	A Fir 12" dia. bears S82°E 12.4 Scried T4S R28E S27 BT
S83 S84	A Fir 10" dia. bears N72°W 58.7 Scried T4S R28E S83 BT	V-42 T4S R28E S28 BT	A Fir 10" dia. bears S55°W 8.4 Scried T4S R28E S34 BT
S85 S86	A Fir 10" dia. bears N80°E 30.4 Scried T4S R28E S85 BT	V-43 T4S R28E S28 BT	A Fir 16" dia. bears S58°W 35.6 Scried 1/4 S27 BT
S87 S88	A Tamarack 14" dia. bears S32°W 32.5 Scried 1/4 S21 BT	V-44 T4S R28E S28 BT	A Fir 16" dia. bears N76°E 9.7 Scried 1/4 S26 BT
S89 S90	A Fir 10" dia. bears N72°W 58.7 Scried T4S R28E S89 BT	V-45 T4S R28E S28 BT	A Tamarack 8" dia. bears N36°W 9.15 Scried T4S R28E S8 BT
S91 S92	A Fir 10" dia. bears N80°E 30.4 Scried T4S R28E S91 BT	V-46 T4S R28E S28 BT	A Fir 10" dia. bears N41°E 21.7 Scried T4S R28E S9 BT
S93 S94	A Tamarack 12" dia. bears S32°W 32.5 Scried 1/4 S21 BT	V-47 T4S R28E S28 BT	A Fir 6" dia. bears S40°E 15.8 Scried T4S R28E S16 BT
S95 S96	A Fir 10" dia. bears N72°W 58.7 Scried T4S R28E S95 BT	V-48 T4S R28E S28 BT	A Fir 6" dia. bears S50°W 21.6 Scried T4S R28E S17 BT
S97 S98	A Fir 10" dia. bears N80°E 30.4 Scried T4S R28E S97 BT	V-49 T4S R28E S28 BT	
S99 S100	A Tamarack 14" dia. bears S32°W 32.5 Scried 1/4 S21 BT	V-50 T4S R28E S28 BT	

DESCRIPTION OF PARCELS

- A- NW 1/4 SE 1/4 Sec. 21 - Pvt. - 40.55 ac.
- B- NE 1/4 SE 1/4 Sec. 21 USFS 40.51 ac.
- C- SW 1/4 SE 1/4 Sec. 21 Pvt. 40.25 ac.
- D- SE 1/4 SE 1/4 Sec. 21 USFS 39.90 ac.
- E- NW 1/4 SW 1/4 Sec. 22 USFS 39.77 ac.
- F- NE 1/4 SW 1/4 Sec. 22 Pvt. 39.99 ac.
- G- SW 1/4 SW 1/4 Sec. 22 USFS 39.86 ac.
- H- SE 1/4 SW 1/4 Sec. 22 Pvt. 39.99 ac.
- I- NW 1/4 Sec. 27 USFS 39.93 ac.
- J- NW 1/4 NE 1/4 Sec. 27 USFS 39.98 ac.
- K- NE 1/4 NE 1/4 Sec. 27 Pvt. 39.34 ac.
- L- SW 1/4 NE 1/4 Sec. 27 USFS 39.74 ac.
- M- SE 1/4 NE 1/4 Sec. 27 USFS 39.19 ac.
- N- NW 1/4 SE 1/4 Sec. 27 Pvt. 74.51 ac.
- O- NW 1/4 SE 1/4 Sec. 27 USFS 77.74 ac.
- P- NE 1/4 SE 1/4 Sec. 27 USFS 39.65 ac.
- Q- S 1/2 SW 1/4 Sec. 27 USFS 39.42 ac.
- R- SW 1/4 SE 1/4 Sec. 27 USFS 39.42 ac.
- S- SE 1/4 SE 1/4 Sec. 27 USFS 39.90 ac.

HISTORY

The West Three tiers of Sections, T. 4 S., R. 28 E., including the East boundaries of the sections where originally surveyed by Z. F. Moody, under "General Land Office" Contract No. 184, May, 1873.

The East Three tiers of Sections, T. 4 S., R. 28 E., including the West boundaries of those sections where originally surveyed by Frank W. Campbell, under "General Land Office" Contract No. 507, Oct., 1884.

In Nov. & Dec., 1937, "Morrow County Surveyor" H. Tamblin, found the corner to Sec. 25/30/31/36, the corner to Sec. 28/29/32/33, the 1/4 corner 30/29 and the 1/4 corner 31/32, then reestablished the corner to 29/30/31/32, the 1/4 corner 29/32 and the 1/4 corner 30/31, by proportionate measurement. All in T. 4 S., R. 28 E..

In June & Oct., 1968, Donald L. Staebler, subdivided Section 27, T. 4 S., R. 28 E., locating the N. 1/2 of the S. 1/4 of that section and locating several properties within that parcel. See Map of Survey No. 204-K, as on file in the office of the Morrow County Surveyor.

In 1982, the N. 1/4 Sec. 22, the Cor. to Sec. 14/15/22/23 & the Cor. to Sec. 22/23/26/27 T. 4 S., R. 28 E. were monumented by the B.L.M. from original evidence.

NARRATIVE

Survey is performed under contract, for the Umatilla National Forest, the purpose of which is the location & marking of the Forest Boundary.

In order to accomplish this it is necessary to re-trace Sections 21, 22, 27 & 28. Because of corners lost to logging, road construction & fencing, the survey was extended around Section 20, so that controlling corners could be re-established around Section 20, 21. In the retracement of Section 28, that extended along the line between Sec. 20 & 21. In the retracement of the North & South section it was found to be grossly distorted, indicating that the North & South corners of the section were probably measured by rough measure, southerly, setting those lines on a single run line, with no closure. After the East 1/4 corner of corners on a single run line, with no closure. After the East 1/4 corner of Sec. 28 is found. This pattern also conforms with the S.W. corner of Section 28, as found by H. Tamblin, in 1938 (see History & Map).

In the subdivision of Section 27 all the exterior corners are found, these corners include the same corners as located and shown by Donald L. Staebler on his map (Morrow County Survey No. 204-K). The measurements along the West line of Section 27 conform reasonably well with the measurements on that line of Section 27 as shown. The measurements along the East line of Section 27 conform reasonably well with the measurements on that line of Section 27 as shown. However, other measurements in the section show excessive error, therefore the line of Section 27 conform reasonably well with the measurements on that line of Section 27 as shown. However, other measurements in the section show excessive error, therefore the line of Section 27 conform reasonably well with the measurements on that line of Section 27 as shown.

The subdivision of Sections 21 & 22 is routine, after locating the exterior corners.

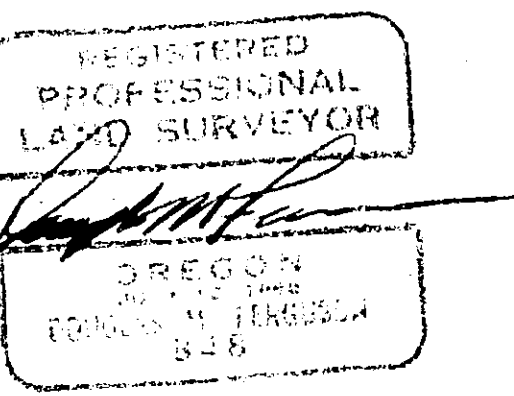
All retracement, re-establishment, restoration, establishment, subdivision & monumentation is carried out in conformance with the pertinent provisions of the 1973 edition of the "Bureau of Land Management, Manual of Surveying Instructions."

Positional control is provided by a closed traverse network. LIETZ SDM 3-E Total Station Electronic Distance Measuring Equipment & HP-85B Computer System are used to obtain the measurements & perform the computations. Field notes & 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 plot, notes and records hereon or attached are a correct representation of the survey performed during Oct. 1983 to July-Aug., 1984, for the U.S. Forest Service, in accordance with the status of the State of Oregon and the articles of my Contract No. 53-04R3-01360 Douglas M. Ferguson, Or. PLS 848

see monumentation sheets on nos 1750K to 1791K

RECEIVED BY
Morrow County Surveyor
Date: 1/10/86
Had by: MLD
No. D-802-K



FERGUSON SURVEYING & ENGINEERING
MT. VERNON, OR.
Map of Survey
THE RETRACEMENT OF SEC. 28 AND THE SUBDIVISION OF SECTIONS 21, 22 & 27 T. 4 S., R. 28 E., W. M.
MORROW COUNTY, OREGON
FOR: Umatilla National Forest By: Douglas M. Ferguson
DATE: Aug. 1984 DRAWN BY: J.D. Britton SCALE: 1"=1000'

D-802-K-651