SUBDIVISION OF SECTION 18 & 19 T.15S., R.32E, W.M.
GRANT COUNTY OREGON

FOR: USDA Forest Service
BY: Douglas M. Ferguson, Ken Delano, D. Mitchell Ferguson
DRAWN BY: Mollee Ferguson Wood

PORTION OF IZEE CADASTRAL SURVEY

Ferguson Surveying & Engineering

HISTORY

In 1880, Bamford Robb, under General Land Office Contract No. 357, made the original survey of the Range Line between T. 15S., R. 31&32E.,

In 1881, S.W. Lockland, under General Land Office Contract No. 384, made the original survey of the Subdivisional Lines of the West two tiers of sections and sections 21,22,27,28,33 and 34 of T. 15S., R. 32E.,

In 1909, Grant County Surveyor of that time, Michael Spears, subdivided Section 20, T. 15S., R. 32E., whereby he established the N 1/16 S19/S20. Refer to Map of Survey No. 1016 for complete information as to work performed by Spears, in this Township.

In 1972, R.D. Bagett, PLS 598 Subdivided Sec. 13, T. 15S., R. 31E., as shown on Map of Survey No. 274, of the Grant County Survey Records. In that survey Bagett found and monumented the 1/4 cor. of Secs. 13/18 and the Corner of Sections 13/18/19/24 then established the South 1/16 S13/S18, at midpoint between the above described corners. In 1972 R.D. Bagett also remonumented the corner of sections 19/20/29/30 and the 1/4 cor. S18/S19 as based on original evidence.

In 1976, R.D. Bagett, PLS 598 remonumented the corner of section 17/18/19/20, as based on original evidence.

In conjunction with Map of Survey No. 398, of the Grant County Survey Records, R.D. Bagett, PLS 598 Retraced the line between sections 19/30 and remonumented the 1/4 cor. S19 S30 as based on original evidence, then established the East 1/16 S19/S30, at midpoint between the above described 1/4 corner and the Section corner as remonumented in 1972. The corner of sections 19/24/25/30 is determined to be lost in that survey and set at proportionate measure between to 1/4 S24/S19 and the cor. of Secs. 25/30/31/36. Map of Survey No. 398 was completed in 1976.

In 1987, just previous to this survey, this surveyor, PLS 848 subdivided Sections 17 & 20, as shown on Map of survey No. 1016, of the Grant County Survey Records. Refer to that survey for the pertinent retracement along the lines between sections 18/17 & 19/20. The difference in bearings along those lines as reflected by this map is due to convergence between the Center Line of Sections 17 & 20 and the Center Line of Sections 18 & 19.

LEGEND

- ● Found 3 1/2" aluminum cap monument.
- ○ Set 2-1/2"x30' aluminum pipe with 3-1/2" aluminum cap, stamped as shown under Monumentation.
- • Found 5/8" Iron pin - monument of record.
- [ ] Bearing or Distance of record as reported by PLS 598, on map of survey no. 398.
- *[ ] Bearing or Distance of record as reported by PLS 598, on map of survey no. 274.
- *( ) Bearing or Distance of record as reported by Spears in 1909, see map of survey no. 1016.
- ( ) Bearing or distance of record as reported by the original G.L.O. Surveyor.
- " " Bearing or distance of record as shown on map of survey no. 1016. *(52" convergency West between this map & map of survey no. 1016)*
- x——x Fence Line
- //// Marked forest boundary by steel post with boundary signs at max. intervals of ≈ 250'.
- Found 3" brass cap monument.

Mag. Dec. = 20°E

SCALE: 1" = 500'

BASIS OF BEARINGS

SOLAR OBSERVATION, CORRECTED FOR CONVERGENCY, WITH TRUE MERIDIAN THROUGH ℄ SEC. 18 & 19.

NARRATIVE

This survey is performed under contract for the Malheur National Forest, the purpose of which is the establishment and marking of the Forest Boundaries as shown on this map.

In order to perform the required subdivision of the Sections a retracement of the boundaries is made. All the corners as established and set by R.D. Bagett, PLS 598, in 1972 and 1976 are found. All the recently monumented corners as established by this surveyor and shown on Map of Survey No. 1016 are recovered. The corner of Sections 7/12/13/18 is found (original evidence). The 1/4 Cor. S7/S18 is determined to be lost and is set at proportionate measure between the section corners found 1/2 mi. East and West. Section 18 is then subdivided as required. All the pertinent corners on the exteriors of section 19 are found and the required subdivision is performed. Note the distortion on the E-W lines by Lockland, which indicate that a complete measurement may not have been made or he disregarded a gross falling and did not properly record such.

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 monumentation work performed.

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.

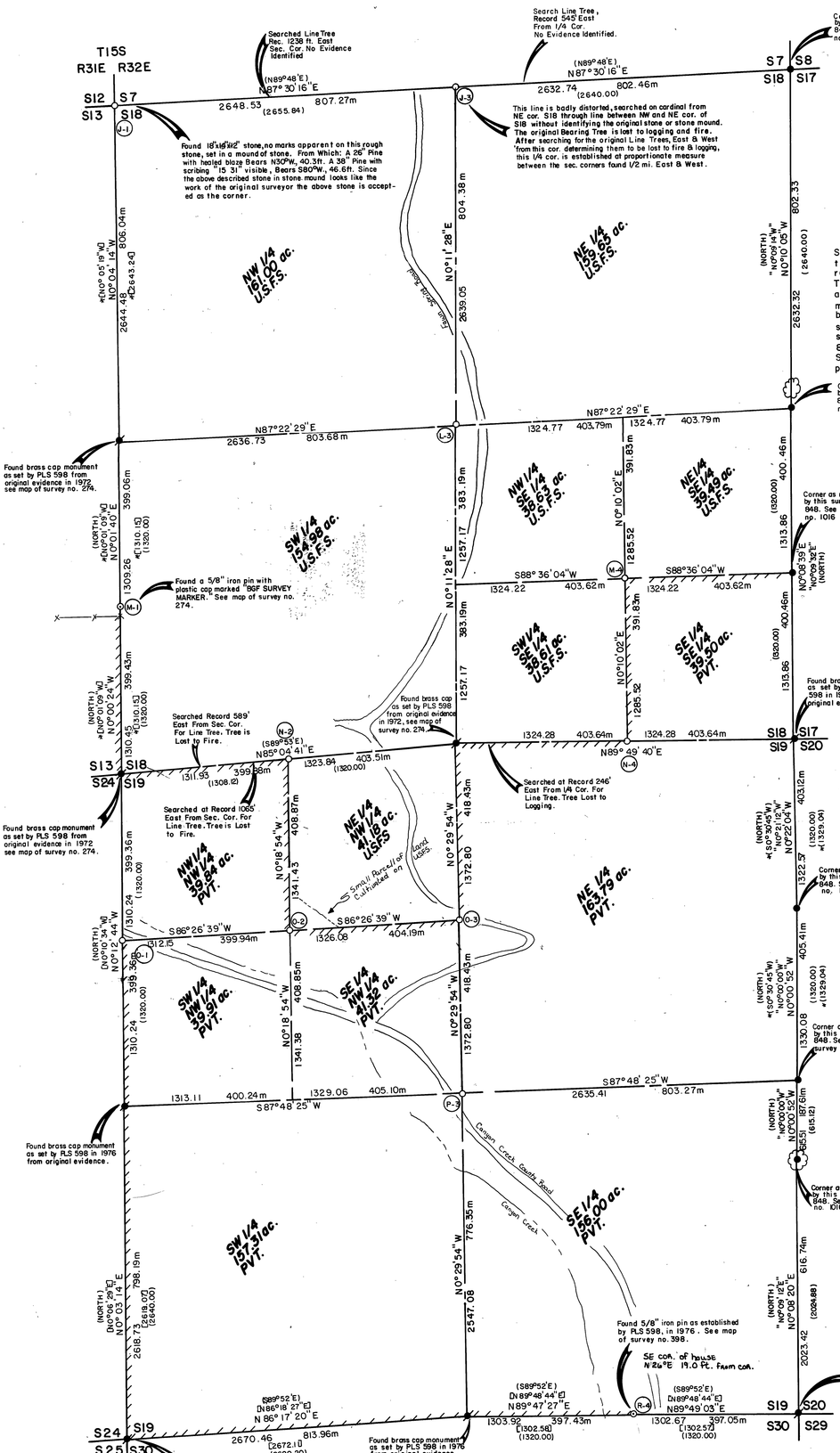
I, Douglas M. Ferguson, Registered Professional Land Surveyor, in the State of Oregon, hereby certify that this plat, notes and records hereon or referenced are a correct representation of the survey I performed during, September & October of 1987 for the U.S. Forest Service, in accordance with the statutes of the State of Oregon and the articles of my contract, No. 53-04H1-6-0122N

Douglas M. Ferguson, Or. PLS 848.

MONUMENTATION

See standard U.S.F.S. "INDEX No.", in the circle below and on the corresponding circle on the Map left. Refer to "CERTIFIED RECORD OF LAND CORNER MONUMENTATION" form, as referenced to this Map of Survey and filed in the office of the Grant County Surveyor. Those forms give complete details as to the history pertaining to these corners, as well as complete information as to the evidence found, the method of establishment, description of monuments set & accessories established. Monumentation basically consists of the following: Monuments as shown in the LEGEND are stamped as shown below. Bearing Trees are established as shown below, with Bearing Tree signs nailed above the blaze, Warning signs nailed on the back, brass washers stamped PLS 848 nailed on the blaze above the BT scribing & painted a 6" red band around each tree. Set steel posts with warning and/or boundary signs on the property line, each way from property corners & within 5ft., in a cardinal direction from controlling corners.

T15S R32E J-3 1/4 S7 S18 1987 RLS 848	Pine 24" dia., Bears N12°W, 10.6 ft., scribed: 1/4 S7 BT Pine 14" dia., Bears S62°W, 16.1 ft., " 1/4 S18 BT
T15S R31E R32E J-1 S12 S7 S13 S18 1987 RLS 848	Fir 14" dia., Bears N85°W, 14.8 ft., scribed: T15S R31E S12 BT Fir 12" dia., Bears N 6°E., 12.1 ft., " T15S R32E S7 BT Fir 10" dia., Bears S77°E., 10.1 ft., " T15S R32E S18 BT Fir 14" dia., Bears S23°W., 5.3 ft., " T15S R32E S13 BT
T15S R32E L-3 C1/4 S18 1987 RLS 848	Juniper 12" dia., Bears S83°W., 17.2 ft., scribed: C1/4 S18 BT Pine 12" dia., Bears S24°E., 49.1 ft., " C1/4 S18 BT
T15S R32E M-3 SE 1/16 S18 1987 RLS 848	Pine 12" dia., Bears N31°E., 44.0 ft., scribeded: SE 1/16 S18 BT Pine 8" dia., Bears S12°E., 36.3 ft., " SE 1/16 S18 BT
T15S R31E R32E M-1 S1/16 S13 S18 1987 RLS 848	Pine 7" dia., Bears N27°W, 21.9 ft., scribed: S1/16 S13 BT Pine 20" dia., Bears S37°E., 25.7 ft., " S1/16 S18 BT
T15S R32E N-2 W1/16 S18 S19 1987 RLS 848	Pine 10" dia., Bears S84°W., 53.4 ft., scribed: W 1/16 S19 BT Pine 10" dia., Bears N57°W, 41.2 ft., " W1/16 S18 BT
T15S R32E N-4 E 1/16 S18 S19 1987 RLS 848	Pine 14" dia., Bears N46°E., 18.8 ft., scribed: E 1/16 S18 BT Pine 8" dia., Bears S78°W., 17.1 ft., " E 1/16 S19 BT
T15S R32E O-3 N1/16 S19 C 1987 RLS 848	Pine 14" dia., Bears S11°E, 43.4 ft., scribed: CN 1/16 S19 BT Pine 8" dia., Bears S82°W., 42.3 ft., " CN 1/16 S19 BT
T15S R32E O-2 NW 1/16 S19 1987 RLS 848	Pine 14" dia., Bears N36°28'E., 295.3 ft., scribed: NW 1/16 S19 BT Pine 16" dia., Bears N75°01'E., 305.6 ft., " NW 1/16 S19 BT
T15S R32E O-1 N1/16 S24 S19 1987 RLS 848	Pine 16" dia., Bears S88°W., 47.4 ft., scribed: N1/16 S24 BT Chiseled an "X" in the solid rock East 3.0 ft., for the Sec. 19 accessorie.
T15S R32E P-3 C1/4 S19 1987 RLS 848	Pine 20" dia., Bears S34°E., 28.5 ft., scribed: C1/4 S19 BT Pine 18" dia., Bears N48°W., 33.0 ft., " C1/4 S19 BT
T15S R32E R-4 E1/16 S19 S30 1987 RLS 848	Pine 14" dia., Bears S19°W, 29.6 ft., scribed: E 1/16 S30 BT Fir 14" dia., Bears West, 87.6 ft., " E 1/16 S19 BT



EXAMINED AND ACCEPTED FOR THE U.S. FOREST SERVICE
THIS 21st DAY OF February 1989
JE Calkins COR.

I CERTIFY THAT THIS SURVEY WAS PERFORMED AT THE REQUEST OF THE J.E. CALKINS
NATIONAL FOREST SUPERVISOR
SIGNATURE 2/21/89 DATE

REGISTERED PROFESSIONAL LAND SURVEYOR
OREGON JULY 11, 1986 DOUGLAS M. FERGUSON 848

RECEIVED AND FILED
MAR 28 1989
COUNTY OF GRANT SURVEYOR
ASSNC.

1021

MAP OF SURVEY NO. 1021