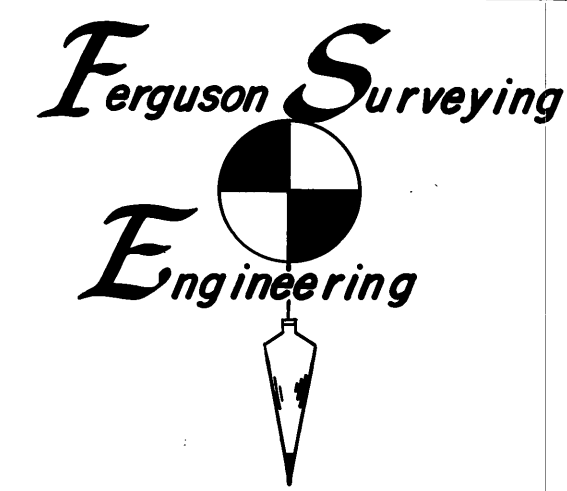


SUBDIVISION OF SECTIONS 1, 12, 13, & 24, T.15S R.31E W.M. GRANT COUNTY OREGON

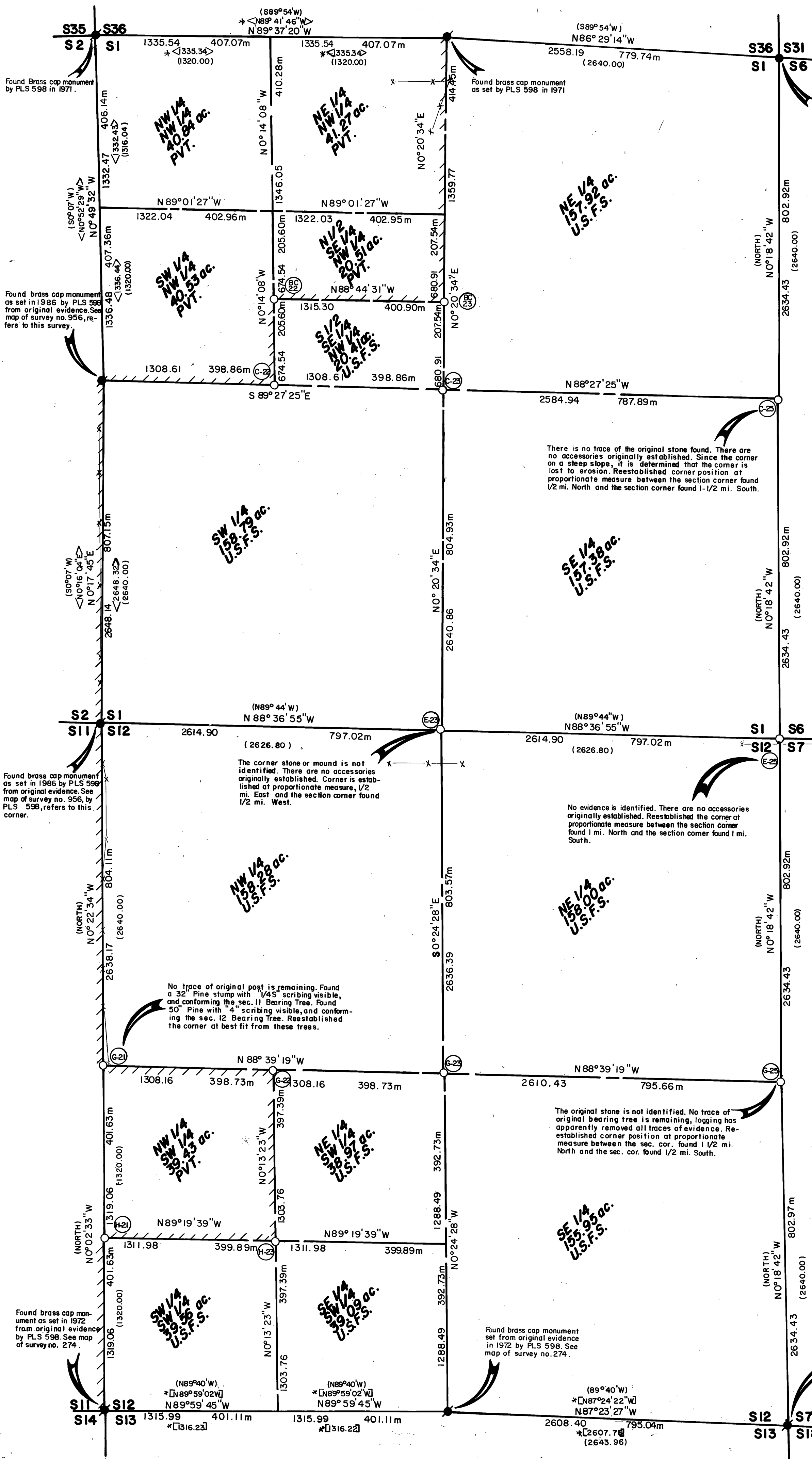
FOR: USDA Forest Service

BY: Douglas M. Ferguson, Ken Delano, D. Mitchell Ferguson

DRAWN BY: Mollee Ferguson Wood

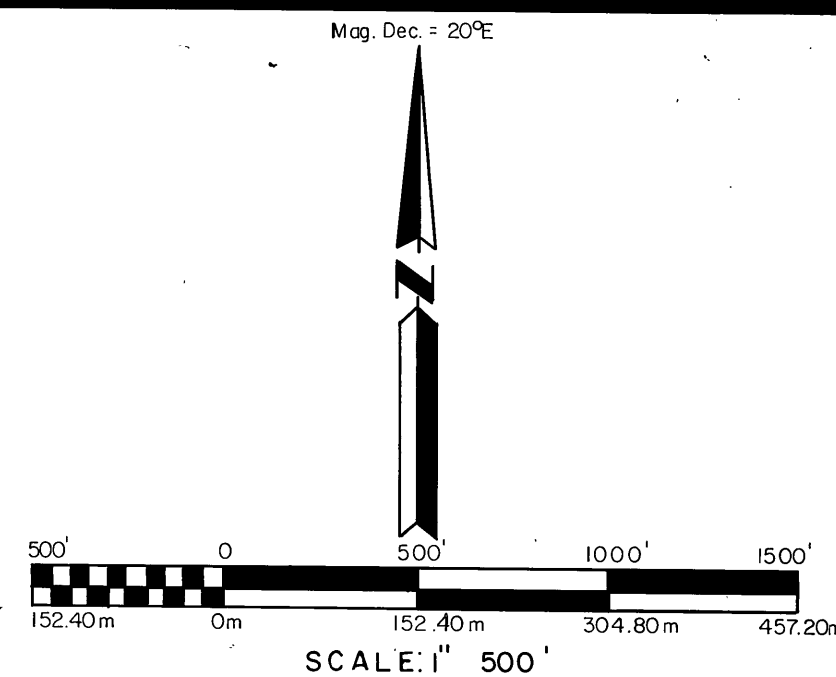


PORTION OF IZEE CADASTRAL SURVEY



LEGEND

- Found 3 1/2" aluminum cap monument.
- Set 2-1/2" x 30" aluminum pipe with 3-1/2" aluminum cap, stamped as shown under Monumentation. (See Sheet 2 of 2)
- 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 the original survey.
- Bearing or Distance of record as shown on map of survey no. 1021. (52' convergency west between this map & map of survey no. 1021)
- Bearing or Distance of record as reported by PLS 598, on map of survey no. 956.
- Bearing or Distance of record as reported by PLS 598, on map of survey no. 467.
- Fence line
- Marked forest boundary by steel post with boundary signs at max. intervals of 250'.
- Found 3" brass cap monument



BASIS OF BEARING SOLAR OBSERVATION WITH TRUE MERIDIAN THROUGH SECTIONS 1, 12, 13, & 24.

HISTORY

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

In 1971, R.D. Baggett retraced the North line of Section 1, T.15S., R.31E., as shown on Map of Survey No. 245, of the Grant County Survey Records.

In 1972, R.D. Baggett retraced the boundary of and subdivided Section 13, T.15S., R.31E., as shown on Map of Survey No. 274, of the Grant County Survey Records.

In 1976, R.D. Baggett retraced the East lines of Sections 24 and 25, T.15S., R.31E., as it effects this survey and shown on Map of Survey No. 398, of the Grant County Survey Records.

In 1977, R.D. Baggett retraced the North lines of Sections 1 & 2, T.15S., R.31E., as shown on Map of Survey No. 467 of the Grant County Survey Records.

In 1986, R.D. Baggett retraced the West line of Section 1, T.15S., R.31E., as is pertinent to this survey and shown on Map of Survey No. 956 of the Grant County Survey Records.

In 1986, R.D. Baggett retraced the N 1/2 of the West line of Section 13, T.15S., R.31E., as shown on Map of Survey No. 961, of the Grant County Survey Records.

In 1987, this Surveyor, Douglas M. Ferguson retraced the line between Sections 24/19 and 13/18, T.15S., R.31E.32E., as pertinent to this survey and shown on Map of Survey No. 1021 of the Grant County Survey Records. Refer to that survey for the retracement along the lines between sections 13/18 & 24/19. The difference in bearings along those lines as reflected by this map is due to convergence between the center line of sections 18 & 19 and the center line of this project.

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 subdivisions, The Boundaries of Sections 1, 12, 13 & 24 are retraced. All monumentation as performed by R.D. Baggett in 1971, 1972, 1976 & 1986 are found, and all monuments as established by this surveyor in 1987 are found. The retracement of Section 1 and subsequent search for needed corners reveals that the SE Corner, the S 1/4 corner and the East 1/4 corner are all lost. The SE Corner is then established at proportionate measure between section corners found 1 mi. North and South and the lost 1/4 corners are set at proportionate measure as shown. In retracing section 12, the East 1/4 corner is determined to be lost and is established at proportionate measure between the previously established section corner 1/2 mi. North and the Section corner found 1/2 mi. South. The boundaries and subdivision of section 13 as shown on Map of Survey No. 274 are retraced and monuments as shown on that survey are recovered and the required subdivision of that section is completed. The retracement and search in Section 24 show the South & West 1/4 corners to be lost, those corners are established at proportionate measure between the section corners 1/2 mi. each way from the lost corners.

The required subdivisions are then performed, monuments set and lines posted as shown.

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 and monumentation work performed.

Positional control for this survey is provided by a closed traverse network. LIETZ SDM 3E, Electronic tachometer 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, March and April 1988 for the U.S. Forest Service, in accordance with the statutes of the State of Oregon and the articles of my contract, No. 53-04HI-6-0122N

Douglas M. Ferguson, Or. PLS 848.

REGISTERED
PROFESSIONAL
LAND SURVEYOR

OREGON
DOUGLAS M. FERGUSON
848

EXAMINED AND ACCEPTED FOR THE U.S. FOREST SERVICE
THIS 31st DAY OF January 1989
COR.
I CERTIFY THAT THIS SURVEY WAS PERFORMED AT THE
REQUEST OF THE
NATIONAL FOREST SUPERVISOR
SIGNATURE DATE 1/31/89