

A PORTION OF "ALDRICH CADASTRAL"

SUBDIVISION AND DETERMINATION OF FOREST BOUNDARY IN SECTION 16, T.14S., R.27E., W.M., GRANT COUNTY, OREGON.

Survey by: Susan E. Newstetter, PLS 2405
D. Mitchell Ferguson, Surv. Tech.
Rick Saul, Surv. Tech.

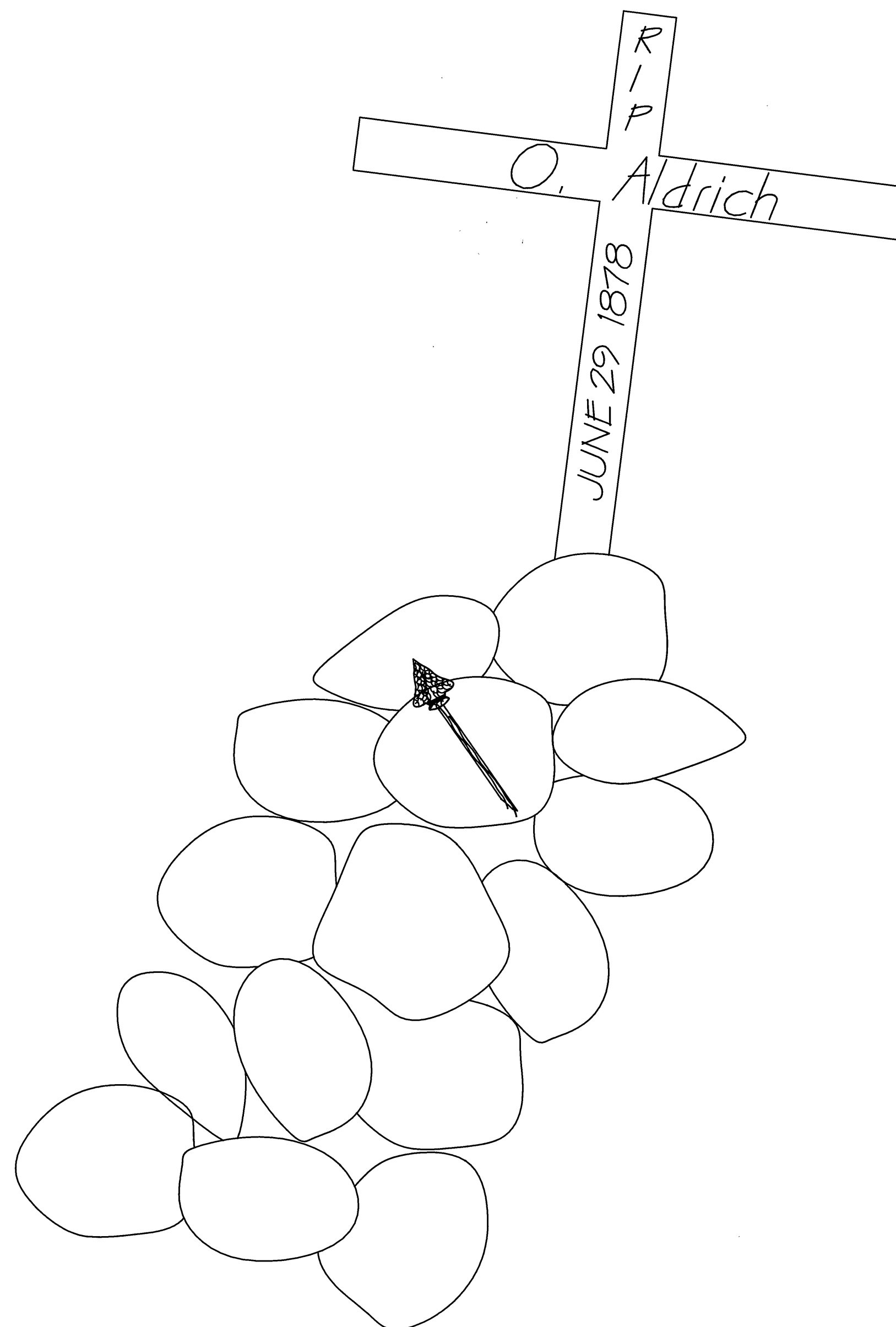
Reviewed by: Douglas M. Ferguson, PLS 848

Drawn by: Kenneth H. Delano Jr., L.S.T. 1273

For: USDA Forest Service
Malheur National Forest.

HISTORY

- 1881 - Samuel Lackland subdivided a portion of T.14S., R.27E., W.M., under GLO Contract No. 415.
- 1896 - William E. Campbell completed the subdivision of T.14S., R.27E., W.M., under GLO Contract No. 652.
- 1986 - David B. Armstrong, PLS 1026, remonumented, from original evidence, 1/4 section corner S16S15. See Grant County Corner Restoration Files.



NARRATIVE

This survey was performed under contract for the Malheur National Forest for the purpose of marking and posting the Forest boundary in Section 16, T.14S., R.27E., W.M.

In order to perform this survey the control survey was run through all of the controlling corners. I recovered original corner evidence at all three corners along the north line of Section 16. In addition I recovered two of the three original line trees established by William E. Campbell in 1896.

The following is a brief description of the evidence found:

1. S 9S10
S16S15

Found an unmarked stone and three original bearing trees. After a long evaluation it was decided to accept the stone as the corner. While the stone does not fit as close to record as would be desired, a comparison of record positions from each bearing tree was even less desirable.

2. 1/4 S 9
S16

Recovered the marked stone and one of the original bearing trees.

3. S 8S 9
S16S15

Recovered the marked corner stone in a rock jack. After tying it into the control survey I find it fits very well in terms of bearing and distance. While the stone was lying loose in the rock jack, I feel the rock jack was built over the stone's original position and I accepted it as the corner. The original bearing trees were not found, which was not unexpected, since William Campbell reported that he did not find them in 1896.

4. Line Trees

Since both of the recovered line trees were snags, with notches on the east and west faces, I decided to set witness corners for each tree, on line easterly 10.0 ft., from each line tree. Two references (bearing trees) were taken to each LINE TREE.

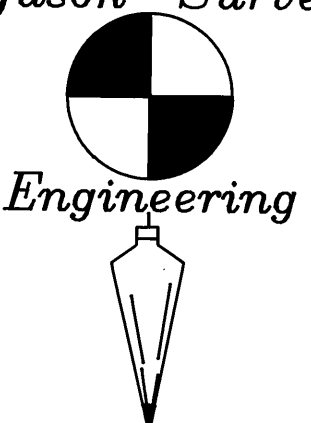
The "Certified Record of Land Corner Monumentation" forms as referenced to this Map of Survey and the notes shown on the Map should be considered a substantial part of this Narrative as they contain detailed information as to the evaluation of evidence and monumentation work performed.

Positional control for this survey is provided by a closed traverse network. A Lietz SDM3E semi-total station was used to obtain measurements and field set monuments from the survey control. An Zeos Notebook computer (IBM compatible 386) utilizing Wildsoft software was used to perform the computations and the Map was prepared utilizing AutoCad r.12. The basis of bearing was determined by solar observation to determine a true meridian through the center of the project. Field notes and computations are on file in the office of Ferguson Surveying and Engineering, Mt. Vernon, Oregon 97865.

I, Susan E. Newstetter, Registered Professional Land Surveyor, in the State of Oregon, hereby certify that this Map, notes and records hereon or reference, are a correct representation of the survey I performed during the months of May-October 1992 for the U.S. Forest Service in accordance with the Statutes of the State of Oregon and the articles of my Contract Number 53-04KK-2-02803.

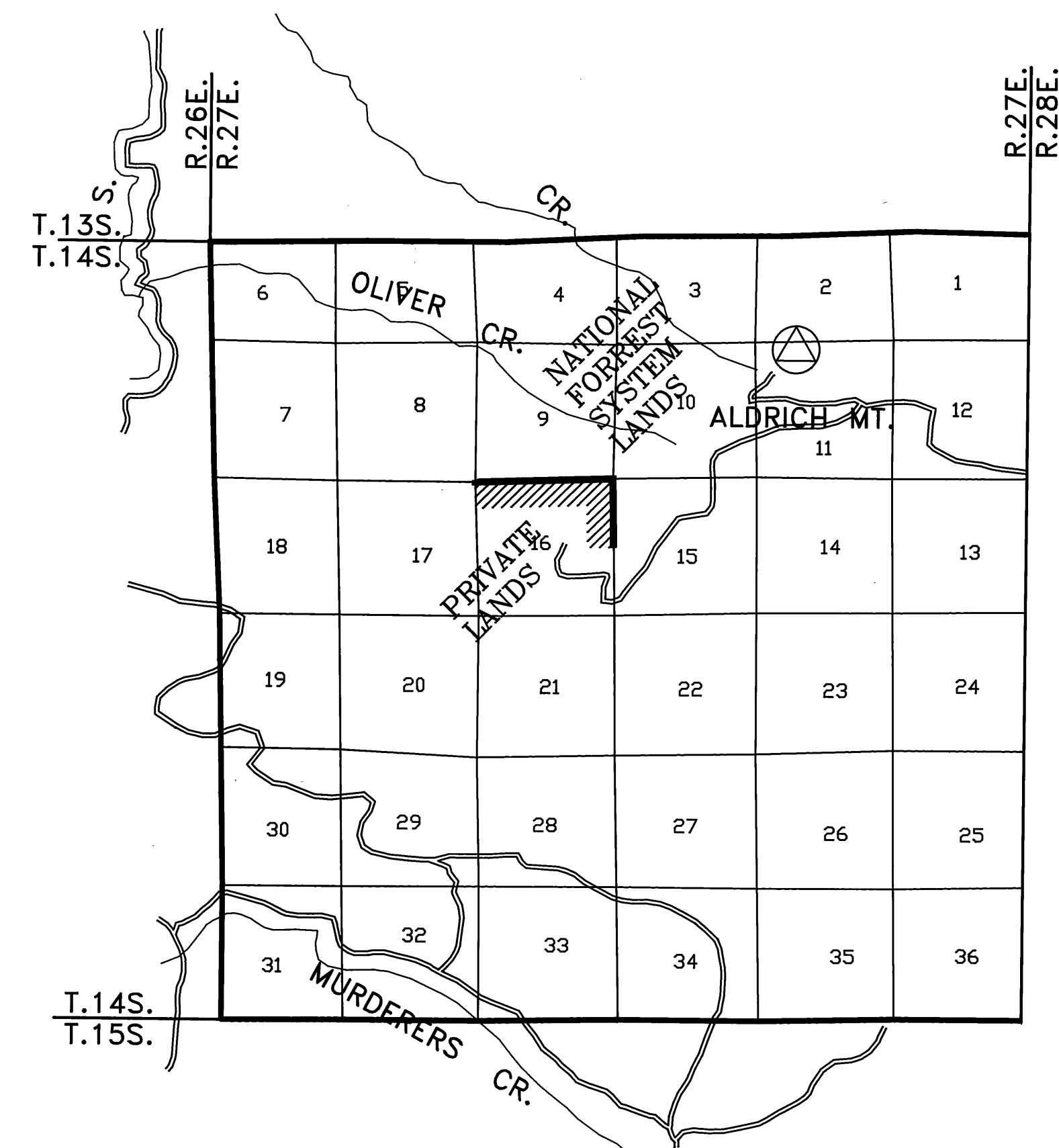
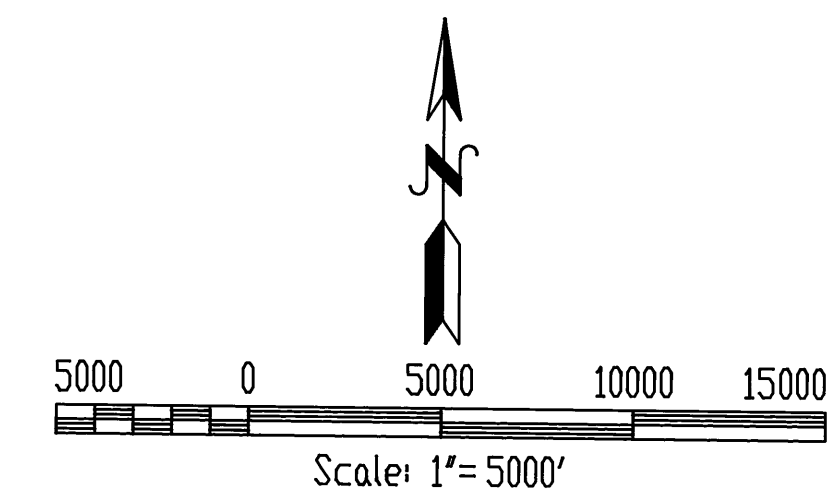
Susan E. Newstetter
SUSAN E. NEWSTETTER, PLS 2405
Staff Surveyor
Ferguson Surveying and Engineering

Ferguson Surveying



MT. VERNON, OREGON
PHONE (503) 982-4520
FAX (503) 982-4430

VICINITY MAP



RECEIVED AND
FILED

JAN 20, 1993

OFFICE OF COUNTY SURVEYOR

Robert D. Baggett

ATTENT: *James Russell*

REGISTERED
PROFESSIONAL
LAND SURVEYOR

Susan E. Newstetter

OREGON
JULY 26, 1989
SUSAN E. NEWSTETTER
2405

Exp: 12/31/94

EXAMINED AND ACCEPTED FOR THE U.S. FOREST SERVICE
THIS 1st DAY OF December 1992

SIGNATURE *DE [Signature]*
C.O.R.

I CERTIFY THAT THIS SURVEY WAS PERFORMED AT THE
REQUEST OF THE MALHEUR NATIONAL FOREST

SIGNATURE *Ma [Signature]* DATE 12/2/92
FOREST SUPERVISOR