

# MAP OF SURVEY

BETWEEN SECTIONS 22, 23, 26, 27, 34 & 35, T9S, R32E, WM

1979 OPLS 1005  
2" ALUMINUM PIPE  
WITH 3/4" ALUMINUM CAP

SEE MAP 1

## LEGEND

Section & 1/4 Corners Previously Set

Section & 1/4 Corners Set by Found Evidence

Section & 1/4 Corners Set by Survey

1/16 Corners Previously Set

1/16 Corners Set by Survey

Posted National Forest Boundary Lines

NF Boundary Not Posted This Survey

Section Lines

Legal Subdivision of USFS Property

Record Bearing & Distance in Parentheses

(North, 40.00 ch)

Grant County Survey No. 766 Bearing & Distance  
in Brackets

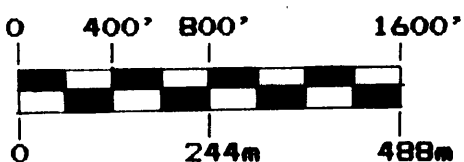
[N0° 01' 51"E, 1305.73']

Certified Corner Record Index No.  
See Corner Restoration Records

(R-21)

Monuments Set are 2" Aluminum Pipe with 3/4" Aluminum Cap

Basis for Bearings  
Solar Observation  
Assumed Magnetic Declination 18° 30'E



N89° 14' 20"W, 7948.95'

(N89° 28'W, 39.91 ch) (S89° 49'W, 79.86 ch)

(North, 40.00 ch)  
N0° 08' 25"E, 2673.65'

(S89° 50'W, 39.75 ch)  
S89° 20' 50"W, 2638.09'

(S89° 50'W, 39.75 ch)  
N89° 01' 50"W, 2411.48'

(North, 40.00 ch)  
N0° 28' 25"E, 2673.73'

(North, 40.00 ch)  
N0° 01' 00"E, 2662.01'

(North, 40.00 ch)  
N0° 01' 51"E, 1305.73'

1983 RLS 1839  
2" ALUMINUM PIPE  
WITH 3/4" ALUMINUM CAP

1983 RLS 1839  
2" ALUMINUM PIPE  
WITH 3/4" ALUMINUM CAP

Not Checked by Closed Traverse

(North, 40.00 ch)  
N0° 00' 15"W, 1315.98'

(North, 40.00 ch)  
N0° 00' 15"W, 1315.98'

(North, 40.00 ch)  
N0° 00' 15"W, 1315.98'

(North, 40.00 ch)  
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N0° 00' 15"W, 1315.98'

(North, 40.00 ch)  
N0° 00' 15"W, 1315.98'

(North, 40.00 ch)  
N0° 00' 15"W, 1315.98'

1972 PLS 398  
COUNTY SURVEYOR  
1" GALVANIZED PIPE  
WITH 2 1/2" BRASS CAP

SEE GRANT COUNTY MAP OF SURVEY No. 766

## NARRATIVE OF SURVEY

### Purpose of Survey

The purpose of the survey was to establish section lines and subdivide Sections 11, 14, 23, 25 & 26, T9S, R32E, and Sections 29, 30 & 31, T9S, R33E, WM, to delineate Forest Service lands from private by monumenting all found controlling corners, re-establish lost corners, monument new corners established by survey and marking the property lines with steel fence posts set at a maximum interval of 250 feet with Property Boundary Signs attached.

### Survey History

Herman D. Gradon and Bamford Robb, US Deputy Surveyors in a joint contract No. 383 dated March, 1881 surveyed the township lines between T9 & 10S through R32 & 33E. Herman D. Gradon by Contract No. 416 dated August, 1881, subdivided T9S, R32E and surveyed the east range line of the township. William R. Gradon, U.S. Deputy Surveyor subdivided T9S, R33E by Contract No. 519 dated October, 1884. There is a Mineral Survey No. 139 1/2 by P. O. Gearhart, U.S. Deputy Mineral Surveyor, dated November, 1886, but based on the record and the lack of evidence found on the ground, no corners were set. The mineral survey is an aliquot part description in Section 31, T9S, R33E.

William H. Weaver, RLS 1859, performed a survey which included a portion of Section 34, T9S, R32E, and is recorded as Grant County Survey No. 766 in April, 1983. Clayton Jesse Martin, PLS 1910, set the NW corner of Section 11, T9S, R32E during a contract with the Umatilla National Forest in 1985. It was necessary during this survey to tie onto the S1/4 of Section 21, T9S, R32E, which was set by the County Surveyor, Robert D. Baggett, LS 598, in February, 1972. F. E. Calkins, OPLS 1805, set the NW corner of Section 23, T9S, R32E, in November, 1979, for Forest Service use in preparing right-of-way agreements.

There was evidence of some corner improvement work done many years ago, but no record of the work could be found in the Grant County Courthouse.

### Survey Method

The survey method used was random closed traverse that included all the found and monumented corners. Property lines were posted by offsets from the random traverse to the true line. A solar observation was taken to establish a basis for bearings. Horizontal angles were measured to the right and doubled. The horizontal distance was measured from both ends of the line and averaged if the difference was less than 0.10 foot, otherwise, the distance was checked to determine the cause of the discrepancy.

### Equipment Used

The instrument used was an OMNI Total Station with a built-in data collector. Data was transferred to a TRS-80 Model 100 computer with a PICDISC disk drive which reduced the data, balanced the traverse, if within the survey standards specified in the contract and Oregon state law, and executed all computations. Traverse data and computations were printed out on an Epson MX 100 printer. The data and all point coordinates have been saved on disk or cassette tape. A staff compass and 75' steel tape were used to determine the distance and bearing to most of the BTs.

### Survey Evaluation

It appears that the fence along the west Forest Boundary is more a drift fence that follows generally along the boundary, but does have some substantial deviation from the true line, especially in Section 11. In Section 25, T9S, R32E, the old line runners made a fairly big error in establishing the C1/4 of about 80 feet. In most other areas the old blaze lines are within 20 feet of the posted lines.

The CERTIFIED RECORDS OF LAND CORNER MONUMENTATION as recorded in the office of the Grant County Surveyor indexed on this map and as shown on the following Proof of Recording for each corner set by this portion of the survey are hereby made a part of this narrative to provide detailed corner information. All recorded documents for this project contain the Forest Service contract number as shown in the CERTIFICATION as a cross reference and identifier for this survey.

Respectfully submitted this 19th Day of February, 1987.

## CERTIFICATION

I, Leland Lee Myers, a Professional Land Surveyor registered in the State of Oregon, office located at 587 E. Auburn St., P.O. Box 98, Sumpter, OR 97877, do hereby certify that I did perform this survey July 25 to October 17, 1986, as a contractor at the request of the USDA-Forest Service by Arm Cadastral Survey Contract No. 53-04H1-5-0149N and that the information shown hereon is correct to the best of my knowledge.

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR

*Leland Lee Myers*  
OREGON  
JULY 5, 1985  
LELAND LEE MYERS  
699

RECEIVED AND  
FILED

FEB 23 1987

OFFICE OF COUNTY SURVEYOR  
Grant County, Oregon  
Attest: *[Signature]*