

# PLAT OF SURVEY

of Section 1, T15S, R34E & Sections 3, 4, 7, 18 & 20, T15S, R35E, WM, Grant County, Oregon

SEE SHEET 1

## NARRATIVE

### PURPOSE OF SURVEY

The purpose of the survey was to subdivide Section 24, T14S, R34E, and Section 31, T14S, R34E; to end and retrace the section lines of Sections 21, 23, 27, 35 & 36, T14S, R34E, Section 19 and a portion of Section 17, T14S, R35E, Section 1, T15S, R34E, and Sections 3, 4, 7, 18 and 20, T15S, R35E, WM, Grant County, Oregon, to delineate US Forest Service resource lands from the Strawberry Wilderness Area and private lands by monumenting all found controlling corners, re-establishing lost corners, monumenting new corners established by survey and marking the property lines and wilderness boundary with steel fence posts set at a maximum interval of 250 feet with Property Boundary or Wilderness Boundary signs attached.

### SURVEY HISTORY

Due to the rough terrain, only the north half of T14S, R34E was surveyed by S. W. Leckland by Joint Contract No. 357 dated July, 1980. Later the south half of the same township was surveyed by Homer D. Angell by Contract No. 726 dated July, 1901. These two surveys had discrepancies which caused standard and closing corners through the center of the township. Section 21 of this township had a retracement survey by Thomas Schenker, PLS 1657, as shown on Grant County Map of Survey No. 697 dated October, 1981. Section 23 of T14S, R34E, was retraced by Duane Griffith, PLS 644, as shown on Grant County Map of Survey No. 696 dated September, 1981.

The east boundary and the subdivision of T15S, R34E was surveyed by Homer D. Angell by Contract No. 725 dated March, 1901. T14 & 15S, R35E was originally surveyed by George R. Campbell by Contract No. 724 dated June, 1901. Howard E. Taylor, RPE 2891, perpetuated a number of corners from original evidence in these townships in the summer of 1957 and his notes are on record at the Grant County Surveyor's Office. Grant County Map of Survey No. 647 dated December, 1980, by Edgar Graves established two 1/256th corners on the south line of Section 31, T14S, R35E.

During 1991, the BLM surveyed several sections in T14S, R35E, including Section 34. I was provided with computation data and a sketch map of this survey which is not yet recorded with the Grant County Surveyor. The data shown on this plat is from the information provided.

### SURVEY METHOD

The survey method used were random closed traverses that included all the found and monumented corners. Property and wilderness lines were posted by offsets from the random traverses to the true lines. This survey was tied to another performed by me in 1987 at the SW corner of Section 18, T15S, R35E, and was the basis for bearings from the solar observation taken at that time. Horizontal angles were measured to the right and doubled. The horizontal distance was measured from both ends of each traverse 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 Tandy 4000 personal computer which reduced the data, balanced the traverse if within the survey standards specified in the contract and Oregon state law, executed all computations and plotted the survey plat on a Houston Instrument DMP-32 plotter. Traverse data and computations were printed out on an Epson MX100 printer. The data and all point coordinates have been saved on disk. The total station was used to determine the distance and bearing to the Bearing Trees.

### SURVEY EVALUATION

No problems of particular consequences were found during the performance of this survey. Only three quarter corners were proportioned as no original evidence could be found for them. Closing corners were monumented on the true line as determined by the standard corners.

The north closing quarter corner for Section 2, T15S, R34E, was found but not monumented by this survey as it was not needed. A steel fence post was driven in beside the stone with an Attention sign attached and Bearing Tree and Attention signs were attached to the down BT. The north closing quarter corner for Section 1 was not found and was not essential for this survey.

There are several section lines which were not surveyed with quarter corners, but I have shown my computed distance and bearing between those section corners for informational purposes only. All bearings are rounded to the nearest five seconds.

Much of this survey in Section 1, T15S, R34E, and Sections 7, 18 and 20, T15S, R35E, was in the Snowshoe Forest Fire. The fire occurred between the time of traversing and marking the lines, but all points were recovered due to the use of 60d spikes to mark the traverse points.

The SE corner of Section 3, T15S, R35E, falls in Baker County. Therefore a Certified Record of Land Corner Monumentation will be filed in both Grant and Baker Counties for this corner, but the Proof of Recording is only from Grant County.

The CERTIFIED RECORDS OF LAND CORNER MONUMENTATION as recorded in the office of the Grant County Surveyor indexed on this plat and as shown in the Proof of Recording for each corner set by this 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 \_\_\_\_ day of \_\_\_\_\_, 1992.

