



SURVEY NARRATIVE

This modification of various survey lines and corners in Sections 4, 5, 6, 7 and 8, T.12S., R.30E. was performed during July, 1985 at the request of and under the direction of the U.S. Department of Agriculture, Region 6 of the U.S. Forest Service.

During 1981-82, Anderson-Perry & Associates, Inc. of La Grande, Oregon, contracted with the U.S. Forest Service to perform the Black Butte Cadastral Survey located, in part, in Sections 4, 5, 6, 7 and 8, T.12S., R.30E. This 1981-82 survey resulted in the monumentation, marking, and documentation of the corners and lines depicted on Grant County Record Survey No. 724 and its accompanying monumentation records.

In the period of time since the recording of Survey No. 724, the U.S. Forest Service, in consultation with the Bureau of Land Management, Baggett-Griffith and Associates of John Day, Oregon, Anderson-Perry & Associates, and Mr. Layne Caswell, P.L.S. of the Professional Land Surveyors of Oregon, has determined that Survey No. 724 did not follow a strict application of the BLM "Manual of Surveying Instructions", 1973 Edition. The U.S. Forest Service requested that Survey No. 724 be modified according to a BLM opinion in a letter dated April 11, 1985. The firm of Anderson-Perry & Associates, Inc. performed the modifications requested by the U.S. Forest Service during July, 1985.

Specifically, the modifications requested by the U.S. Forest Service involved the application of the restoration procedures described in Section 5-36 of the BLM Manual to locate the corners and lines along the North boundary of Sections 4, 5, and 6, T.12S., R.30E. The position of this boundary as shown on this drawing was determined by calculation from the data shown on Survey No. 724 and incorporates the original survey records of Byars and Lackland as required by Section 5-36 of the BLM Manual. Due allowance was made for the latitudinal curve along this line. The determination of the remainder of the modified corner positions in Sections 4, 5 and 6 was based on this boundary established as described above and on the positions of the found original corners as shown on Survey No. 724. The procedures for single and double proportioning, and subdivision of sections as stated in the BLM Manual were followed in the determination of these corners.

The following field procedures were utilized to establish the corner positions depicted on this drawing. The location of the monument set in 1981-82 was recovered along with an adjoining traverse point from the 1981-82 survey. The modified corner position was then determined by measurement of a calculated angle and distance from the 1981-82 monumented position. The found monument was removed from its 1981-82 position and reset at the position indicated on this drawing with the markings "RESET 1985" added to the existing monument markings. New bearings and distances were measured to the existing 1981-82 bearing trees. The existing 1981-82 bearing trees were rescribed as necessary to reflect the section in which they are now located and new bearing trees were selected where needed. In order to minimize the confusion at these corner points, we did not deface and change the direction of the blazed faces of the 1981-82 bearing trees. Therefore, the bearing tree blazing does not necessarily face the modified corner positions established by this survey. A complete description of the corner monument and accessories is given on the Certified Record of Land Corner Monumentation form for each modified corner position which is filed concurrently with this drawing.

The existing boundary posting along the North boundary of sections 4 and 6, and within Section 5 was also modified to agree with the survey corner positions shown on this drawing. These posting modifications were accomplished by determining the approximate distance from the modified corner positions to the existing boundary posts with a string-measurement device and calculation of the proportional offset for each existing boundary post.

In order to add further clarification and explanation of the various aspects of this survey modification, we are presenting the following documents for filing with and in addition to the survey map and monumentation records described above:

Request for Opinion, from U.S. Forest Service to Bureau of Land Management, dated March 27, 1985.

Opinion from Bureau of Land Management to U.S. Forest Service, dated April 11, 1985.

Confirmation of Survey Calculations from U.S. Forest Service to Anderson-Perry & Associates, Inc., dated August 15, 1985.

RECEIVED AND
FILED
SEP 14 1985
OFFICE OF COUNTY SURVEYOR
Robert D. Baggett
Attest: Howard L. Perry

REGISTERED
PROFESSIONAL
LAND SURVEYOR
SEPTEMBER 23, 1977
HOWARD L. PERRY
1984

BASIS OF BEARING
THE BEARINGS ON THIS MAP ARE TRUE, AS DETERMINED BY CALCULATION FROM THE DATA SHOWN ON GRANT COUNTY RECORD OF SURVEY MAP NO. 724.

MAGNETIC DECLINATION
19° 30' EAST

METRIC EQUIVALENT
1 METER = 3.2808333 FEET

FEET 0 1000 2000 3000
METERS 0 304.801 609.601 914.402

LEGEND

- MONUMENTED CORNER POSITION AS SHOWN AND DESCRIBED ON GRANT CO. RECORD SURVEY NO. 724.
- RESET 2 1/2" x 30" ALUMINUM PIPE WITH 3/4" ALUMINUM CAP BY SURVEY AS DESCRIBED ON THIS MAP AND ON LAND CORNER MONUMENTATION RECORD REFERENCED BELOW.
- RECORD DIMENSION PER G.L.O. SURVEY (LACKLAND, 1881)
- RECORD DIMENSION PER G.L.O. SURVEY (BYARS, 1873)
- RECORD DIMENSION PER GRANT COUNTY RECORD SURVEY NO. 193.
- EXISTING FENCE
- POSTED BOUNDARY LINE
- SECTION NUMBER

REFERENCE MATERIAL

RECORDS OF ORIGINAL PUBLIC LAND SURVEYS OF T.12S., R.30E BY:
W.W. BYARS, CONTRACT NO. 185 MAY 7, 1873.
SAMUAL W. LACKLAND, CONTRACT NO. 415 AUG. 19, 1881.
GRANT COUNTY RECORD SURVEYS NO. 193 AND NO. 724, AND ACCOMPANYING MONUMENTATION RECORDS.
"MANUAL OF SURVEYING INSTRUCTIONS, 1973," U.S. DEPT. OF THE INTERIOR, BUREAU OF LAND MANAGEMENT.
SEE ALSO "CERTIFIED RECORD OF LAND CORNER MONUMENTATION" FORMS FILED CONCURRENTLY WITH THIS SURVEY FOR T.12S., R.30E AS FOLLOWS:
INDEX FILE NO.'S:
A-3, A-5, A-7, A-9, A-10, A-11, A-12, B-7, B-9, C-5, E-5, E-7

SURVEYOR'S CERTIFICATE

I, Howard L. Perry hereby certify that this plat and the notes hereon, or attached, are a correct representation of a survey I performed during July, August, 1985 for the U.S. Forest Service, in accordance with the statutes of the State of Oregon.

Howard L. Perry, P.L.S. 1984

BLACK BUTTE CADASTRAL SURVEY MODIFICATIONS
LOCATED IN SECTIONS 4, 5, 6, 7, & 8, T.12S., R.30E., W.M., GRANT COUNTY, OREGON

FOR: U.S. DEPT. OF AGRICULTURE, U.S. FOREST SERVICE
139 N.E. DAYTON ST. JOHN DAY, OREGON 97845

SCALE: 1"=1000'

DATE: JUL. AUG., 1985
JOB NO. 830-81

anderson perry & associates, inc.
engineering • surveying • materials testing
LA GRANDE, ORE. & WALLA WALLA, WASH.

SHEET NO. 1/1