



BASIS OF BEARING
 THE BEARINGS ON THIS MAP ARE TRUE, BASED ON A SOLAR OBSERVATION AT TRAVEERSE POINT CD-3, 1120 FEET NORTH OF THE S.E. CORNER OF SECTION 9 ON MAY 12, 1981.

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
 FOUND MONUMENT AS DESCRIBED.
 SET 2 1/2" x 30" ALUMINUM PIPE WITH 3 1/4" ALUMINUM CAP FROM EVIDENCE OF THE ORIGINAL SURVEY AND DESCRIBED ON LAND CORNER MONUMENTATION RECORD REFERENCED BELOW.
 SET 2 1/2" x 30" ALUMINUM PIPE WITH 3 1/4" ALUMINUM CAP BY SURVEY AS DESCRIBED ON LAND CORNER MONUMENTATION RECORD REFERENCED BELOW.
 RECORD DIMENSION PER G.L.O. SURVEY (LACKLAND, 1881)
 RECORD DIMENSION PER G.L.O. SURVEY (BYAES, 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 T12S, R30E BY:
 W.W. BYAES, CONTRACT NO. 185 MAY 7, 1873.
 SAMUEL W. LACKLAND, CONTRACT NO. 415 AUG. 19, 1881.
 GRANT COUNTY RECORD SURVEY NO. 193.
 "MANUAL OF SURVEYING INSTRUCTIONS, 1973" U.S. DEPT. OF THE INTERIOR, BUREAU OF LAND MANAGEMENT.
 FIELD BOOKS 1 THRU 6, BLACK BUTTE-DAVIS CREEK CADASTRAL SURVEY, CONTRACT 53-04H1-1-8294N.
 SEE ALSO "CERTIFIED RECORD OF LAND CORNER MONUMENTATION" FORMS FILED CONCURRENTLY WITH THIS SURVEY FOR T12S, R30E AS FOLLOWS:
 INDEX FILE NO. 3.
 A-3, A-5, A-7, A-9, A-10, A-11, A-12, A-13, A-17, B-7, B-9, C-5, C-9, E-5, E-7, E-9, E-11, E-13, F-13, G-9, G-11, G-13, H-11, H-12, H-13, J-9, J-11, J-12, V-13 AND N-5.

NARRATIVE

This survey was performed to mark part of the boundary of the Malheur National Forest in Sections 4, 5, 6 and 9, T.12S., R.30E., W.M.
 A diligent effort was made to restore all existing corners to their original position. Search areas were calculated from a control traverse tying in found original monuments along the township line and within the township. What few terrain calls that were made in the original notes were also used to establish search areas for all original corner positions. Diligent searches were made for all corner positions between original corner positions found. Corner positions found are shown on the map. The corners along the township line were single proportioned between the southwest corner of Section 31, T.12S., R.30E., W.M. and the northeast corner of Section 4, T.12S., R.30E., W.M. taking into account the curvature of the earth as per the B.L.M. Manual of Instructions 1973, paragraph 5-31. There was original corner evidence found at both of these corners. The existing monument found at the northwest corner of Section 6, T.12S., R.30E. was set by Grant County Record Survey 193 using record angle and distance from the found original corner at the southwest corner of said Section 31. Because this corner is the junior corner and no original evidence was found it was not used in proportioning.
 Concentrated search efforts were made at locations calculated from control traverse ties to found original corners within and on the boundaries of T.12S., R.30E. and from studying topographic calls in the original notes. Corner positions found are shown on the survey plat. The southwest corner of Section 5, T.12S., R.30E. was reestablished by double-proportion method as a last resort. B.L.M. Manual of Surveying Instructions 1973, paragraph 5-21. Topographic calls from the original notes could not be used because of gross discrepancies with the actual topography. On a few of the lines, the direction of topographic calls could be reversed and the calls would match pretty good with the actual topography. But mostly it was found that there were calls made that were completely opposite from the existing features or there were some definite topographic features that should have been called out and were not.
 We have also looked at the possibility the original surveyor stubbed in some of the quarter corners. The measurements around Section 9 were found to be pretty consistent with record dimensions. But when the township line was reestablished to the north there was a large discrepancy from the east quarter corner of Section 5 to the northeast corner of Section 5. There was also a large discrepancy in measurements found from the southeast to the northeast corners of Section 4, from the southwest corner of Section 17 to the northwest corner of Section 5 and from the southeast corner of Section 5 to the southwest corner of Section 6.

NOTE

BOUNDARY LINE POSTING CONSISTS OF PLACING STEEL POSTS INTERVISIBLY ALONG AND WITHIN ONE FOOT OF THE TRUE LINE WITH A FOREST SERVICE SIGN ATTACHED INDICATING THE LOCATION OF NATIONAL FOREST LAND. TRUE LINE WAS ESTABLISHED BETWEEN EXISTING CORNERS BY DIRECT SIGHTING OR BY CALCULATED OFFSETS FROM A RANDOM TRAVERSE.

From this information, it looked as though the original surveyor probably did not close out his lines as the notes state, but there is not enough evidence to establish a definite pattern to be used in reestablishing any lost corners. Contact was made with the surveying firm performing cadastral work in sections adjacent to this survey to obtain any information that might help in confirming a definite pattern for establishing an index to use in reestablishing some corners. In correlating the two surveys together nothing conclusive could be found to use in reestablishing any corners. Therefore, double proportioning was used.

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 MAY-SEPTEMBER, 1981 FOR THE U.S. FOREST SERVICE, IN ACCORDANCE WITH THE STATUTES OF THE STATE OF OREGON AND THE ARTICLES OF THE BLACK BUTTE-DAVIS CREEK CADASTRAL SURVEY, CONTRACT NO. 53-04H1-1-8294N.
 HOWARD L. PERRY PLG 1294

REGISTERED PROFESSIONAL LAND SURVEYOR
 HOWARD L. PERRY
 SEPTEMBER 23, 1977
 1294

RECEIVED AND FILED
 AUG 6 1982
 OFFICE OF COUNTY SURVEYOR
 WASHINGTON
 Co. CLK.

BLACK BUTTE-DAVIS CREEK CADASTRAL SURVEY
 CONTRACT NO. 53-04H1-1-8294N. LOCATED IN SECTIONS 4, 5, 6, 7, 8, 9, 10, 16, 17 & 18 T12S, R30E W.M., GRANT CO., OREGON
 FOR: U.S. DEPT. OF AGRICULTURE, U.S. FOREST SERVICE
 139 N.E. DAYTON ST. JOHN DAY, OREGON 97845
 SCALE: 1" = 1000'
 DATE: MAY-SEPT. 1981
 JOB NO. 830-80
 SHEET NO.
 anderson perry & associates, inc.
 engineering • surveying • materials testing
 LA GRANDE, ORE. & WALLA WALLA, WASH.