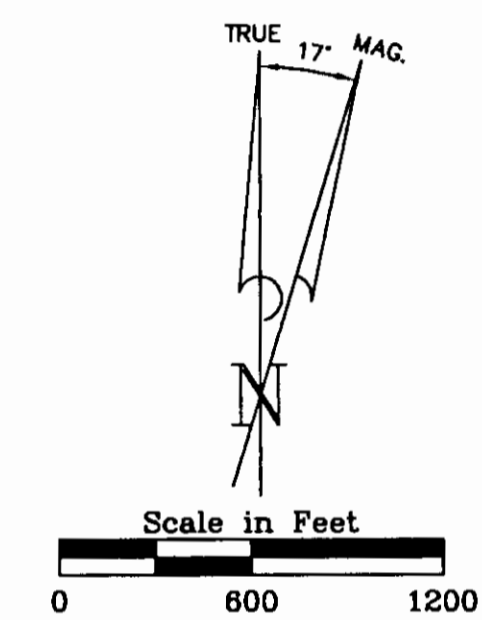
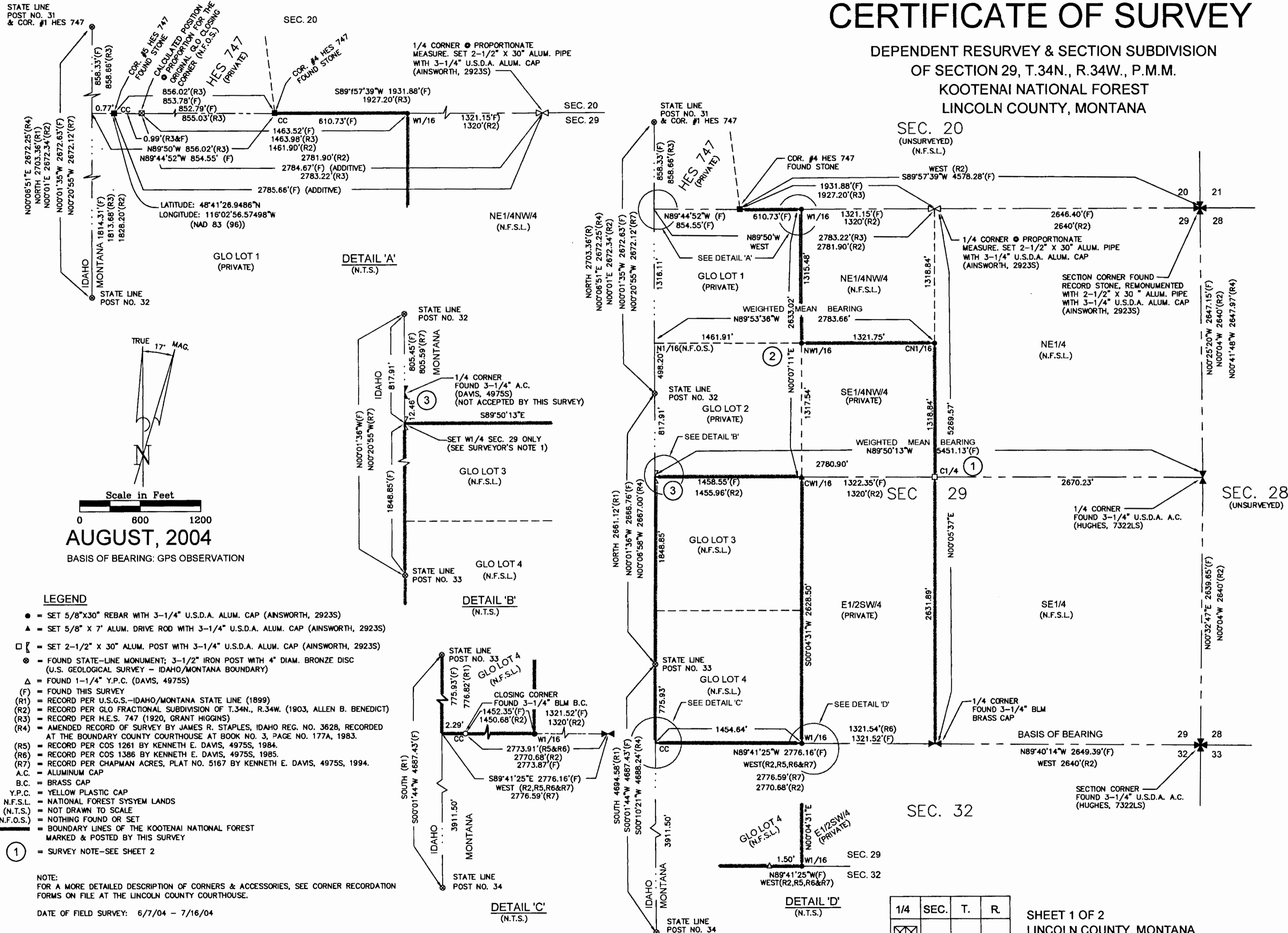


CERTIFICATE OF SURVEY

DEPENDENT RESURVEY & SECTION SUBDIVISION
OF SECTION 29, T.34N., R.34W., P.M.M.
KOOTENAI NATIONAL FOREST
LINCOLN COUNTY, MONTANA



AUGUST, 2004

BASIS OF BEARING: GPS OBSERVATION

LEGEND

- = SET 5/8" X 30" REBAR WITH 3-1/4" U.S.D.A. ALUM. CAP (AINSWORTH, 2923S)
- ▲ = SET 5/8" X 7" ALUM. DRIVE ROD WITH 3-1/4" U.S.D.A. ALUM. CAP (AINSWORTH, 2923S)
- = SET 2-1/2" X 30" ALUM. POST WITH 3-1/4" U.S.D.A. ALUM. CAP (AINSWORTH, 2923S)
- ⊙ = FOUND STATE-LINE MONUMENT; 3-1/2" IRON POST WITH 4" DIAM. BRONZE DISC (U.S. GEOLOGICAL SURVEY - IDAHO/MONTANA BOUNDARY)
- △ = FOUND 1-1/4" Y.P.C. (DAVIS, 4975S)
- (F) = FOUND THIS SURVEY
- (R1) = RECORD PER U.S.G.S.-IDAHO/MONTANA STATE LINE (1899)
- (R2) = RECORD PER GLO FRACTIONAL SUBDIVISION OF T.34N., R.34W. (1903, ALLEN B. BENEDICT)
- (R3) = RECORD PER H.E.S. 747 (1920, GRANT HIGGINS)
- (R4) = AMENDED RECORD OF SURVEY BY JAMES R. STAPLES, IDAHO REG. NO. 3628, RECORDED AT THE BOUNDARY COUNTY COURTHOUSE AT BOOK NO. 3, PAGE NO. 177A, 1983.
- (R5) = RECORD PER COS 1261 BY KENNETH E. DAVIS, 4975S, 1984.
- (R6) = RECORD PER COS 1386 BY KENNETH E. DAVIS, 4975S, 1985.
- (R7) = RECORD PER CHAPMAN ACRES, PLAT NO. 5167 BY KENNETH E. DAVIS, 4975S, 1994.
- A.C. = ALUMINUM CAP
- B.C. = BRASS CAP
- Y.P.C. = YELLOW PLASTIC CAP
- N.F.S.L. = NATIONAL FOREST SYSTEM LANDS
- (N.T.S.) = NOT DRAWN TO SCALE
- (N.F.O.S.) = NOTHING FOUND OR SET
- = BOUNDARY LINES OF THE KOOTENAI NATIONAL FOREST MARKED & POSTED BY THIS SURVEY
- ① = SURVEY NOTE—SEE SHEET 2

NOTE:
FOR A MORE DETAILED DESCRIPTION OF CORNERS & ACCESSORIES, SEE CORNER RECORDATION FORMS ON FILE AT THE LINCOLN COUNTY COURTHOUSE.

DATE OF FIELD SURVEY: 6/7/04 - 7/16/04

PREPARED AT THE REQUEST OF: KOOTENAI NATIONAL FOREST
PCI PROJECT: 6741-02 (4D) Z82-33 CONTRACT NO. 53-0343-2-0027

1/4	SEC.	T.	R.
X	29	34N	34W

SHEET 1 OF 2
LINCOLN COUNTY, MONTANA
CERTIFICATE OF SURVEY NO. 3321

Doc 17990

LEGAL DESCRIPTION

Certain boundaries of the Kootenai National Forest as shown hereon.

SURVEYOR'S CERTIFICATION

I hereby certify that the attached Certificate of Survey represents a survey made under my supervision, and substantially completed on the date shown hereon.

ss Richard A. Amisworth
Richard A. Amisworth, Professional Land Surveyor
Montana Registration No. 29235

PURPOSE OF SURVEY

This survey was prepared at the request of the Kootenai National Forest, and prepared pursuant to Section 76-3-404, M.C.A., to show the retracement of exterior boundaries of existing parcels and no division of land is hereby created.

METHOD OF SURVEY:

P.L.S.S. corner ties and property line traverses were made using conventional survey methods, using total stations and automated data collection. A subsequent least squares adjustment of the traverse network was made and the section breakdown calculated using BLM standard survey methods.

HISTORY OF SURVEY:

- 1899: U.S.G.S. Original survey of the Idaho/Montana State line.
- 1903: G.L.O. Fractional Subdivision of T.34N., R.34W., by Allen B. Benedict
- 1920: G.L.O. HES 747. Retracement of a portion of the Idaho/Montana State line and the retracement of the W 1/4 of the N. boundary of Section 29 by Grant Higgins.
- 1983: Amendment Record of Survey by James R. Staples, Idaho Reg. No. 3628, depicting the retracement of a portion of the Idaho/Montana State line, the marking and posting of certain boundaries of the Idaho Panhandle National Forest, located in Sec. 34, T.62N., R.3E., Boise Meridian.
- 1984: C.O.S. 1261 by Kenneth E. Davis, Montana Reg. No. 4975S, depicting the relocation of common boundaries in Sec. 32, T.34N., R.34W., P.M.M.
- 1985: C.O.S. 1386 by Kenneth E. Davis, Montana Reg. No. 4975S, depicting the retracement of an existing parcel of land in the NW1/4 of Sec. 32, T.34N., R.34W., P.M.M.
- 1994: Plat of Chapman Acres, Plat No. 5167 by Kenneth E. Davis, Montana Reg. No. 4975S, a minor subdivision in the NW1/4 of Sec. 29, T.34N., R.34W., P.M.M.

SURVEYOR'S NOTES:

- 1 Subdivision of Fractional Sections: Per Section 3-88 of the 1973 Manual of Surveying Instructions it states that "where corresponding 1/4 section corners have not been or cannot be fixed, the subdivision-of-section lines shall be ascertained by running from the established corners north, south, east, or west, as the case may be, to the water course, reservation line, or other boundary of such fraction section, as represented on the official plat." This principal applies to Section 29, as it is indeed a "Fraction Section", closing upon the Montana - Idaho State line along its west boundary. In closing upon the State - Line boundary, the west one-quarter corner was never fixed/established. The correct position for the west one-quarter is determined by a "weighted-mean-bearing" based upon the north and south boundaries of Section 29. This is the standard method utilized and taught by the BLM, where conditions warrant.
- 2 Subdivision of Fractional Quarter Sections: Per Section 3-90 of the 1973 Manual of Surveying Instructions it states that "the subdivisional lines of fractional sections will be run from properly established quarter-quarter or sixteenth-section corners, with courses governed by the conditions represented upon the official plat, to the lake, water-course, reservation, or other irregular boundary which renders such sections fractional." As stated above, Section 29 is a "Fractional Section" and in order to correctly subdivide the NW1/4 of this section, a "weighted-mean-bearing" is used for the east-west centerline of the NW1/4.
- 3 The West one-quarter corner of Section 29 established by Kenneth E. Davis, 4975S and shown on the plat of Chapman Acres, Plat No. 5167, records of Lincoln County was not accepted by this survey, as it is this surveyor's opinion that improper methods were used in the establishment of this corner.

The boundaries of National Forest System Land (N.F.S.L.) as shown on this Certificate of Survey are marked with six (6) foot tall galvanized steel posts with "Property Boundary" decals. The estimated positional tolerance of line markers is +/- 1 foot with respect to the property boundary. The posts are references for the property boundary and are not intended as controlling monuments on the property boundary line.

DATUM/BEARING NOTE

Static GPS observations were made at Corner #5 of HES 747 and subsequent survey control. The GPS observation data was post-processed using Spokane, Missoula and Polson CORS stations. The resultant geodetic coordinates for Corner #5 are shown in (NAD83(96)) latitude and longitude.

FOREST SUPERVISOR'S CERTIFICATE:

This survey was made at my request for National Forest management purposes.

Bob Castaneda 10/09/04
Forest Supervisor, Kootenai National Forest Date

CERTIFICATE OF CLERK & RECORDER:

STATE OF MONTANA)
COUNTY OF LINCOLN)
FILED FOR RECORD THIS 10th DAY OF October 2004, AT 8:30 O'CLOCK AT A.M.

Coral A. Cummings BY Jeanne Turner
COUNTY CLERK AND RECORDER DEPUTY

DOCUMENT NO. 179900

1/4	SEC.	T.	R.
	29	34N	34W