

**CERTIFICATE OF SURVEY**  
**DEPENDENT RESURVEY AND SECTION SUBDIVISION**  
**IN SECTION 22, T. 34 N., R. 26 W., P.M., MT.**  
**KOOTENAI NATIONAL FOREST**  
**LINCOLN COUNTY, MONTANA**  
**FEBRUARY 2001**

**PURPOSE OF SURVEY**

The purpose of this survey is to retrace and mark a portion of the boundaries of an existing record parcel, distinguishing between National Forest System Lands and private lands, therefore no division of land is hereby created. Section 76-3-404 MCA.

**LEGAL DESCRIPTION OF PRIVATE OWNERSHIP:**

Section 22, SW1/4NE1/4, W1/2SE1/4NE1/4, E1/2SE1/4NE1/4, NW1/4, SW1/4, SE1/4

**LEGAL DESCRIPTION OF NATIONAL FOREST SYSTEM LANDS:**

Section 22, N1/2NE1/4

**HISTORY OF SURVEY**

1894, Original G.L.O. South and West boundaries of Townships 34 & 35 North, Range 26 West by F. L. Siger and A. L. Jaqueth  
 1894, Original G.L.O. subdivision and meanders of township by F. L. Siger and A. L. Jaqueth  
 1959, BLM remonumentation of G.L.O. corners by D. R. Cunningham & W. E. Stephens  
 1980, C.O.S. No. 750 by T. Hill 5612S, the original subdivision of Sec. 23.  
 1997, Plat P. F. No. 5812 by D. Marquardt 7328S, the original subdivision of Sec. 22 and created Castlerock subdivision.  
 1997, C.O.S. No. 2525 by R. Goacher 7318S, the original subdivision of Sec. 15.  
 2000, C.O.S. No. 2951 by D. Marquardt 7328S, breaks out the W1/2SE1/4NE1/4, Sec. 22.

**METHOD OF SURVEY**

The control traverse was accomplished using "Trimble 4000 SSI" survey grade global positioning system (GPS) receivers and a constrained least squares adjustment, based on N.G.S. HARN, order B, control station "AIRP", NAD83 1992 data: Lat. 48°55'09.13362"N, Long. 115°05'15.01126"W and MDT HARN, order B, control station "E 504", NAD83 1992 data: Lat. 48°47'59.58062"N, Long. 115°17'47.36935"W. A one second, Total Station (Sokkia Set 2 CII, SN: 13395) and a data collector (HP48GX with TDS software) were used in closed traverse procedures. Closed traverses were run from the control traverse positions. Subsequently, offsets were computed from the random traverse points between the established corner positions to the true boundary line. The boundary lines were marked and posted by blazing and painting trees, and placing galvanized steel delineator posts with property boundary decals along the true line, adhering to the standards referred to in the U.S.D.A. Forest Service, Region One Cadastral Survey Contract Specifications Manual, dated 1987.

**BASIS OF BEARING**

Bearings are based on G.P.S. ties to H.A.R.N. Stations and then transformed to a user defined Transverse Mercator coordinate system.  
 Magnetic Declination is 18 1/2° East, based on the 1990 Edna Mountain Quadrangle sheet.

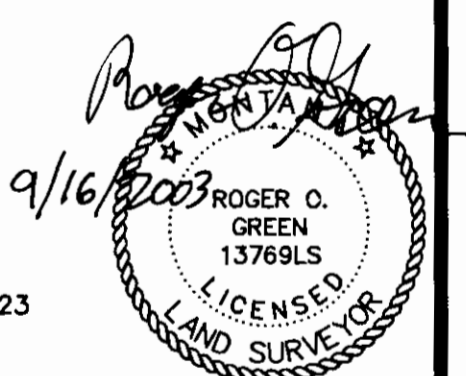
**FIELD CREW**

Survey crew: Steve Boyer, Tom Hommel, Rex Rice, Linda Smith & Robin Glazier  
 Graphics: Steve Boyer  
 Survey commenced July 2000  
 Survey completed September 2000

**SURVEYOR'S CERTIFICATE:**

I hereby certify that I am a registered land surveyor in the State of Montana, that the survey shown on this Certificate of Survey has been prepared in accordance with Montana Code Annotated (Sections 76-3-101 through 76-3-625) and the Lincoln County regulations adopted pursuant thereto.

Roger O. Green, Montana Reg. No. 13769LS  
 Kootenai National Forest, 1101 US HWY 2 West, Libby, Mt. 59923



**FOREST SUPERVISOR'S CERTIFICATE**

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

Bob Castaneda 9/16/03  
 Bob Castaneda, Forest Supervisor

**CERTIFICATE OF EXAMINING OFFICIAL:**

Approved this 19th day of SEPT 2003, A.D.

Shirley A. Wicks  
 Examining Official  
 Approved \_\_\_\_\_  
 Chairman, Lincoln County Commissioners

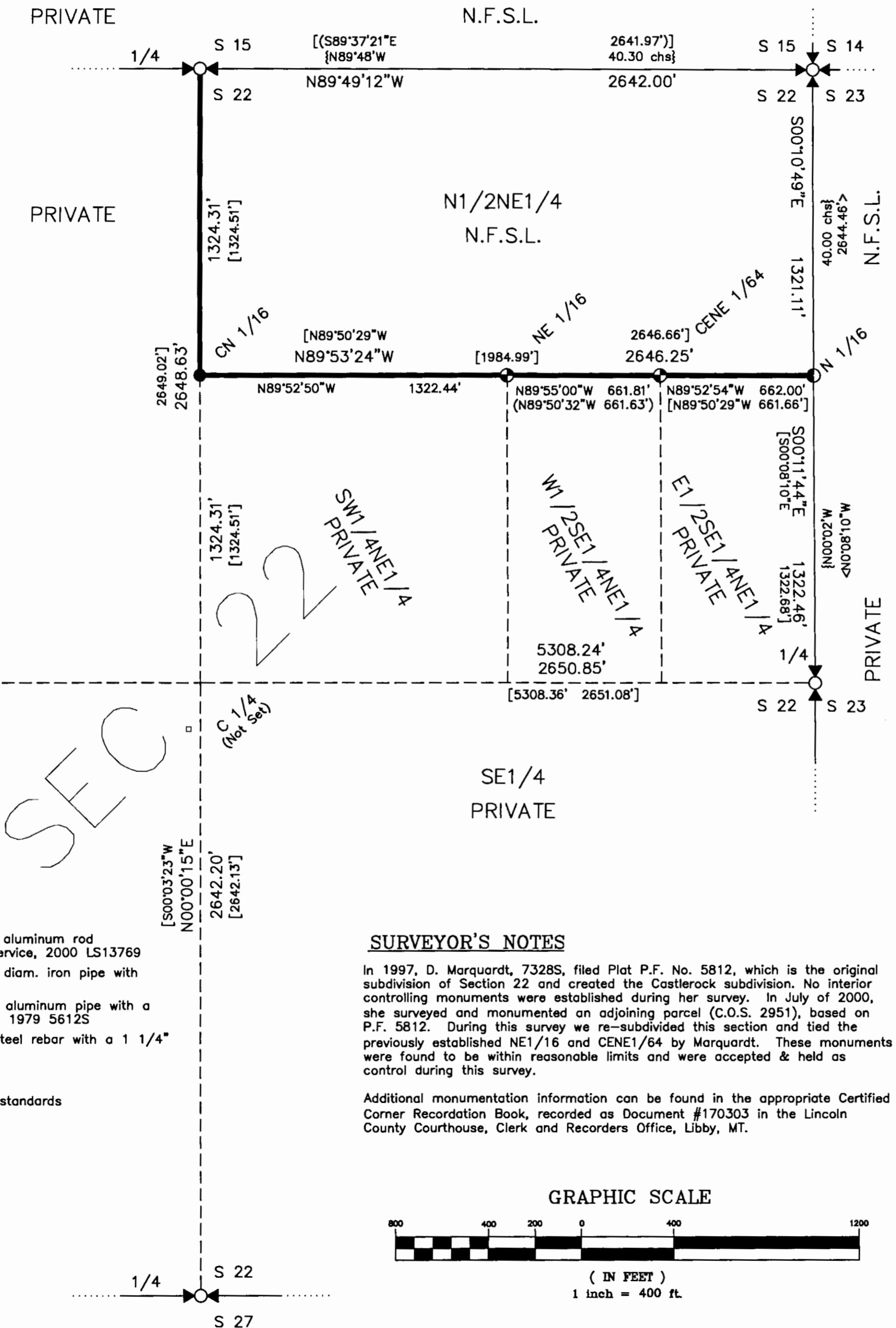
**CERTIFICATE OF CLERK AND RECORDER:**

State of Montana, County of Lincoln, filed this 23rd day  
 of September 2003, A.D. at 11:45 o'clock A.M.  
Coral A. Cummings by Jennice Olson  
 County Clerk Recorder Deputy

**DOCUMENT NO.** 170785

**CERTIFICATE OF SURVEY NO.** 3218

Magnetic Declination 18 1/2° East



**LEGEND**

- Section subdivision monument set this survey; a 3/4" diam. aluminum rod with 3 1/4" diam. aluminum cap, marked U.S.D.A., Forest Service, 2000 LS13769
- Section and 1/4 section corner monument found; a 2 1/2" diam. iron pipe with 3 1/4" diam. aluminum cap, marked B.L.M., 1960
- Section subdivision corner monument found; a 2 1/2" diam. aluminum pipe with a 3 1/4" diam. aluminum cap, marked U.S.D.A., Forest Service, 1979 5612S
- Section subdivision corner monument found; a 5/8" diam., steel rebar with a 1 1/4" diam. yellow plastic cap, marked Marquardt 7328S
- Section lines
- Property boundary marked and posted to USFS, Region One standards
- - - Minor subdivision lines not posted
- { } Original G.L.O. record
- < > Certificate of Survey No. 750 by T. Hill 5612S
- [ ( ) ] Certificate of Survey No. 2525 by R. Goacher 7318S
- [ ] Subdivision Plat No. 5812 by D. Marquardt 7328LS
- ( ) Certificate of Survey No. 2951 by D. Marquardt 7328LS
- N.F.S.L. National Forest System Lands

**SURVEYOR'S NOTES**

In 1997, D. Marquardt, 7328S, filed Plat P.F. No. 5812, which is the original subdivision of Section 22 and created the Castlerock subdivision. No interior controlling monuments were established during her survey. In July of 2000, she surveyed and monumented an adjoining parcel (C.O.S. 2951), based on P.F. 5812. During this survey we re-subdivided this section and tied the previously established NE1/16 and CENE1/64 by Marquardt. These monuments were found to be within reasonable limits and were accepted & held as control during this survey.  
 Additional monumentation information can be found in the appropriate Certified Corner Recordation Book, recorded as Document #170303 in the Lincoln County Courthouse, Clerk and Recorders Office, Libby, MT.

