

# CERTIFICATE OF SURVEY DEPENDENT RESURVEY AND SECTION SUBDIVISION NW1/4, SEC. 31, T.36N., R.26W., P.M., MT. LINCOLN COUNTY, MONTANA

## FOREST SUPERVISOR'S CERTIFICATE

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

*Paul Bradford*  
Paul Bradford, Forest Supervisor

1/10/2008  
Date

### PURPOSE OF SURVEY

I HEREBY CERTIFY THAT THE PURPOSE OF THIS SURVEY IS TO RETRACE THE BOUNDARY OF AN EXISTING PARCEL AND THAT NO NEW OR ADDITIONAL PARCELS ARE HEREBY CREATED. THEREFORE, THIS SURVEY IS EXEMPT FROM REVIEW AS A SUBDIVISION UNDER BOTH THE MONTANA SUBDIVISION AND PLATTING ACT AND THE MONTANA SANITATION IN SUBDIVISIONS ACT.

### LEGAL DESCRIPTION OF PRIVATE OWNERSHIP

SE1/4, NE1/4NW1/4, SE1/4NW1/4, SEC. 31, T36N, R26W, P.M. MT

### LEGAL DESCRIPTION OF NATIONAL FOREST SYSTEM LAND

E1/2SW1/4, GOVT LOTS 1 AND 2, SEC. 31, T36N, R26W, P.M. MT

### HISTORY OF SURVEY

(R1) 1893 ORIGINAL GLO SURVEY OF THE WEST BOUNDARY OF T. 36 N., R. 26W., BY PETER M. CARDELL AND ABRAHAM L. JACQUETH  
(R2) 1893 ORIGINAL GLO SUBDIVISION AND MEANDERS OF FRACTIONAL T. 36 N., R. 26W., BY PETER M. CARDELL AND ABRAHAM L. JACQUETH  
(R3) 1933 FOREST SERVICE EXCHANGE SURVEY NO. 1252 BY A. O. MODLIN  
(R4) 1970 PLAT NO. 1711 BY J. W. NINNEMAN, MT REG. NO. 534ES  
(R5) 1995 PLAT NO. 5485 BY DAWN MARQUARDT, MT REG. NO. 7328S  
(R6) 1996 PLAT NO. 5655 BY DAWN MARQUARDT, MT REG. NO. 7328S  
(R7) 2001 CERTIFICATE OF SURVEY NO. 3041 BY JAMES R. STAPLES, MT REG. NO. 9958LS  
(R8) 2004 CERTIFICATE OF SURVEY NO. 3299 BY DAWN MARQUARDT, MT REG. NO. 7328S  
(R9) 2004 CERTIFICATE OF SURVEY NO. 3263 BY SAM CORDI, MT REG. NO. 13102LS  
(R10) 2004 CERTIFICATE OF SURVEY NO. 3355 BY SAM CORDI, MT REG. NO. 13102LS

### METHOD OF SURVEY

GPS RTK USING TRIMBLE 5800 ROVER AND 5700 BASE, POST PROCESSED AGAINST THE CONTINUOUSLY OPERATING REFERENCE STATIONS, (CORS) IN MISSOULA AND KALISPELL, MT, AND GRANGEVILLE, ID AND 3 SECOND TOTAL STATION TO TIE CONTROLLING CORNERS USING CLOSED TRAVERSE PROCEDURES. THE SURVEY DATA WAS ADJUSTED USING STARNET LEAST SQUARES ADJUSTMENT PROGRAM.

### BASIS OF BEARING

ALL BEARINGS ARE BASED UPON THE GEODETIC MERIDIAN OBTAINED THROUGH GPS OBSERVATIONS FOR PROJECT CONTROL. A LOCAL COORDINATE SYSTEM WAS ESTABLISHED WITH THE ORIGIN AT THE SOUTH 1/4 OF SECTION 31. GEODETIC BEARINGS ARE EQUAL TO LOCAL PLANE BEARINGS ON RADIAL LINES EXTENDING FROM THIS ORIGIN.

### SURVEYOR'S NOTES

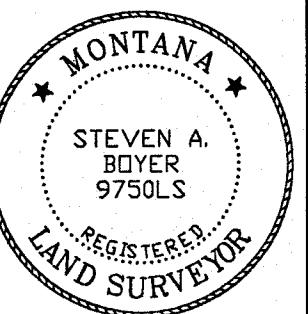
SURVEYED BY: T. HOMMEL, S. BOYER  
DATE OF FIELD WORK: 10/07  
DRAWN BY: T. HOMMEL 12/07  
CHECKED BY: S. BOYER

### 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 the Montana Code Annotated (Sections 76-3-101 through 76-3-625) and the Lincoln County regulations adopted pursuant thereto.

*Steven A. Boyer*  
Steven A. Boyer, Montana Reg. No. 9750LS

1/10/08  
Date



### CERTIFICATE OF EXAMINING SURVEYOR

*Ronald A. Pearson*  
Ronald A. Pearson, Reg. No. 9008LS  
Lincoln County Examining Surveyor

STATE OF MONTANA  
County of Lincoln

Filed on the 12<sup>th</sup> day of February, 2008, A.D., at 2:25 o'clock P.M.

*Tommy D. Lauer*  
Tommy D. Lauer  
County Clerk and Recorder  
By: *Jeannie Dennis*  
Deputy

Instrument Record No. 208323

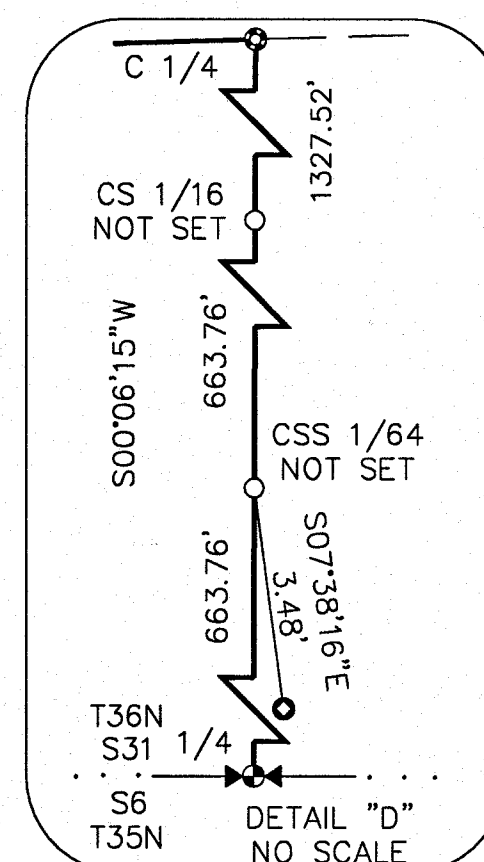
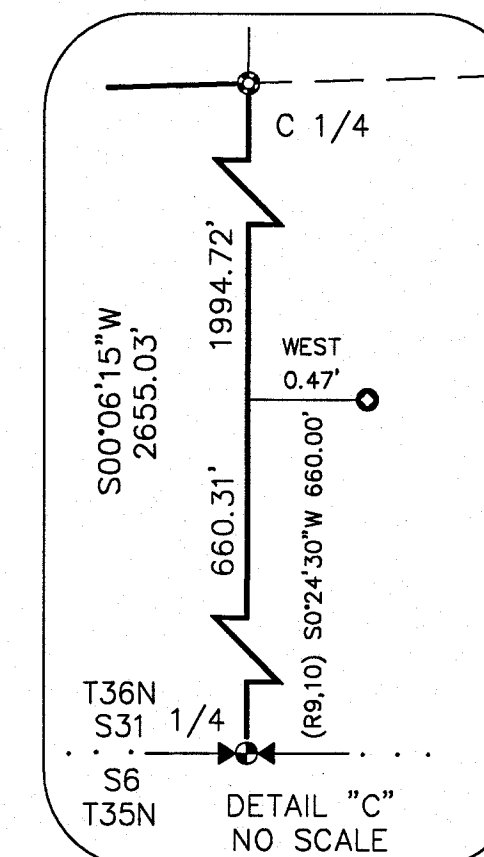
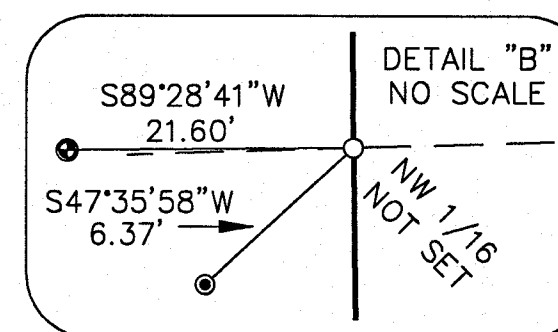
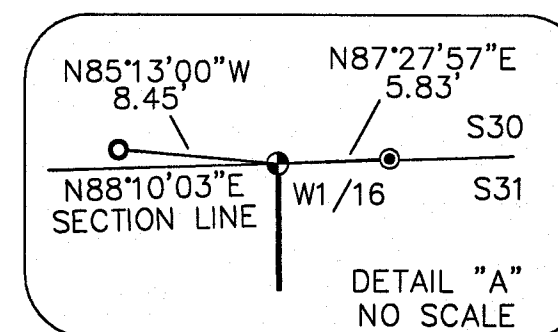
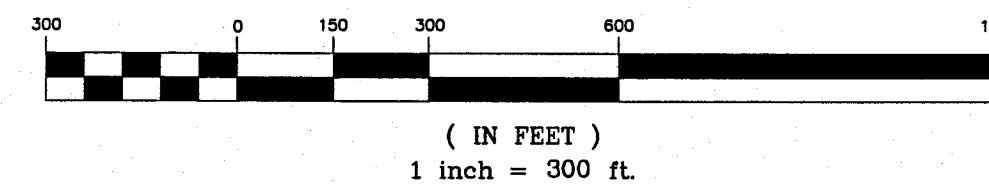
CERTIFICATE OF SURVEY NO. 3785

SHEET 1 OF 1

### GEODETIC POSITION S 1/4 S31

THE NAD83 (CORS96) (EPOCH: 2002.0000) LATITUDE AND LONGITUDE WAS DETERMINED BY POST PROCESSING A SURVEY GRADE (TRIMBLE 5700) GLOBAL POSITIONING SYSTEM (GPS) DATA FILE USING THE NATIONAL GEODETIC SURVEY (NGS) ON-LINE POSITIONING SERVICE (OPUS). THE FILE WAS PROCESSED WITH RESPECT TO STATIONS MISSOULA AND KALISPELL, MT AND GRANGEVILLE, ID. THROUGH REAL TIME KINEMATIC SURVEY (RTK), THE POSITION IS ESTIMATED TO BE WITHIN 7 CM. AT 95% CONFIDENCE RELATIVE TO THE NATIONAL SPATIAL REFERENCE SYSTEM (NSRS).

### GRAPHIC SCALE



GEODETIC POSITION S 1/4 S31  
LATITUDE: 48°49'58.66043"N  
LONGITUDE: 115°00'34.30738"W

### LEGEND

- ⊕ B.L.M. SECTION CORNER MONUMENT, 2 1/2" DIAM. IRON POST WITH 3" DIAM. BRASS CAP PER 1963 BLM REMONUMENTATION NOTES-FOUND AND TIED THIS SURVEY
- ⊕ B.L.M. 1/4 SECTION CORNER MONUMENT, 2 1/2" DIAM. IRON POST WITH 3" DIAM. BRASS CAP PER 1963 BLM REMONUMENTATION NOTES-FOUND AND TIED THIS SURVEY
- ⊕ 5/8" REBAR WITH 3 1/4" DIAM. ALUMINUM CAP, MARKED 9750LS FOUND AND TIED THIS SURVEY-POSITION ACCEPTED FOR W 1/16 SEC. 30 AND SEC. 31
- ⊕ 1" DIAM. BY 30" LONG GALVANIZED PIPE WITH A 2 3/8" DIAM. BRASS CAP MARKED 13102LS PER CERTIFICATE OF SURVEY NO. 3263 BY SAM CORDI, MT REG. NO. 13102LS, FOUND AND TIED THIS SURVEY. POSITION ACCEPTED FOR C 1/4.
- ⊕ 2" DIAM. PLASTIC LIFETIME SURVEY MARKER WITH A 2" DIAM. PLASTIC CAP PER 1970 PLAT NO. 1711 BY J. H. NINNEMAN, MT REG. NO. 534ES, FOUND AND TIED THIS SURVEY. POSITION NOT ACCEPTED FOR W 1/16 SEC. 30 AND SEC. 31.
- ⊕ 5/8" REBAR WITH PLASTIC CAP MARKED MARQUARDT 7328S PER 2004 CERTIFICATE OF SURVEY NO. 3299 BY DAWN MARQUARDT, MT REG. NO. 7328S, FOUND AND TIED THIS SURVEY. POSITION NOT ACCEPTED FOR W 1/16 SEC. 30 AND SEC.31
- ⊕ SET A 5/8" REBAR WITH 3 1/4" DIAM. ALUMINUM CAP MARKED 9750LS
- ⊕ 5/8" REBAR WITH PLASTIC CAP CAP MARKED 13102LS PER 2004 CERTIFICATE OF SURVEY NO. 3263 BY SAM CORDI, MT. REG. NO. 13102LS, FOUND AND TIED THIS SURVEY-POSITION NOT ACCEPTED FOR CSS 1/64
- ⊕ 5/8" REBAR PER 1970 PLAT NO. 1711, BY J. H. NINNEMAN, MT REG. NO. 534ES FOUND AND TIED THIS SURVEY
- ⊕ 2 1/2" DIAM. ALUMINUM PIPE WITH A 3 1/4" DIAM. ALUMINUM CAP MARKED PLS 9958 PER CERTIFICATE OF SURVEY NO. 3041 BY JAMES R. STAPLES, MT REG. NO. 9958LS FOUND AND TIED THIS SURVEY

N.F.S.L.  
NE1/4SW1/4

SEE DETAIL "C" AND "D"

- COMPUTED POINT-CORNER NOT SET
- NATIONAL FOREST SYSTEM LANDS
- PROPERTY BOUNDARY MARKED AND POSTED TO U.S. FOREST SERVICE REGION ONE STANDARDS
- SECTION LINE
- SECTION SUBDIVISION LINES