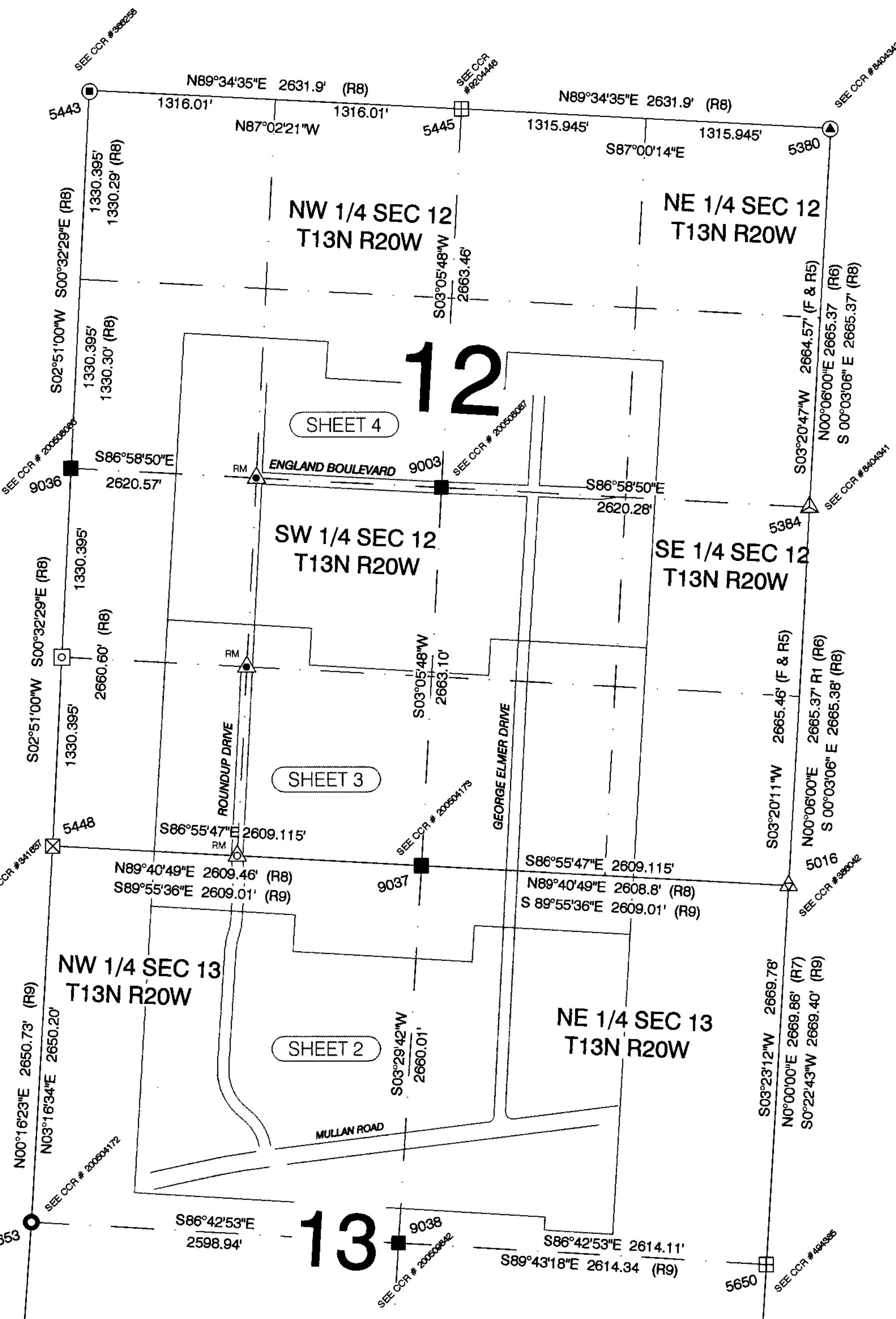


CERTIFICATE OF SURVEY

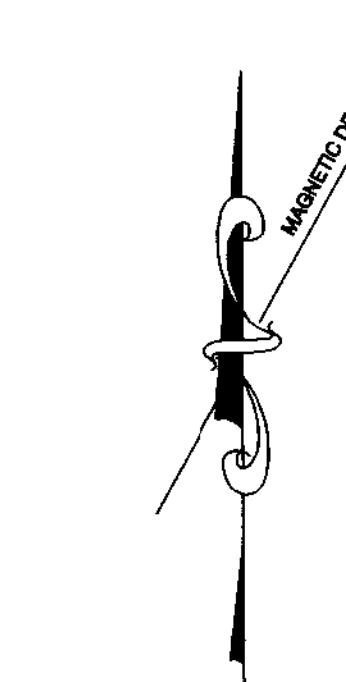
5699

A SURVEY TO RETRACE ROAD EASEMENTS
FOR PUBLIC ROAD AND ALL OTHER PUBLIC PURPOSES

LOCATION AND INDEX DIAGRAM SECTION FOUND DATA



F = FOUND
R1 = RECORD OR ADDITIVE RECORD PER COS 3176
R2 = RECORD OR ADDITIVE RECORD PER COS 3462
R3 = RECORD OR ADDITIVE RECORD PER FORTY-FOUR RANCH ESTATES
R4 = RECORD OR ADDITIVE RECORD PER MDT RIGHT OF WAY
PROJECT NUMBER RS 263-1 (5) 1
R5 = RECORD OR ADDITIVE RECORD PER COS 5624
R6 = RECORD OR ADDITIVE RECORD PER COS 2976
R7 = RECORD OR ADDITIVE RECORD PER COS 5055
R8 = RECORD OR ADDITIVE RECORD PER COS 636
R9 = RECORD OR ADDITIVE RECORD PER COS 889



MAGNETIC DECLINATION
IN OCTOBER 2004
15°15'
(SCALE IN FEET)

LEGEND

- SET 5/8" X 24" REBAR WITH 1 3/4" OPC, MARKED (5609S). (SEE SURVEYORS NOTE FOR FUTURE MONUMENTATION)
- SET 5/8" X 24" REBAR WITH 3 1/4" AL, MARKED (5609S).
- SET 3-1/4" AL CAP MKD 5609S ON 1" X 30" AL SHAFT
- FND 2" AL CAP MONTANA DEPT. OF TRANSPORTATION
- FND 1 1/4" YPC 4468S
- FND 1 1/4" YPC 2345S
- FND 1" YPC 3713S
- FND BOAT SPIKE
- FND 1-1/2" INSIDE DIAMETER IRON PIPE
- FND 1" DIAMETER IRON BAR
- FND 5/8" REBAR
- FND 3" ALUMINUM CAP ILLEGIBLE
- FND LARGE SPIKE IN 2" IRON PIPE
- FND 1-1/4" YPC SORENSEN & CO.
- FND 1-1/4" YPC 974S
- FND 1-1/4" YPC 4124S
- FND 2" ALUMINUM CAP 4468S
- FND 2 1/4" BRASS CAP UNMARKED
- FND 3" SQUARE RPC 2345S
- FND RAILROAD TIE FENCE POST
- FND 1-1/4" YPC ILLEGIBLE
- FND 1-1/4" YPC 3713S
- FND 2-1/2" ALUMINUM CAP 4468S
- FND 1-1/2" BRASS CAP 2923S
- CALCULATED POINT - NOTHING FOUND OR SET

PURSUANT TO MCA 70-22-206, THE FOLLOWING IS A SUMMARY OF THE NATIONAL SPATIAL REFERENCE SYSTEM (NSRS) CONTROL, DATUM, EQUIPMENT, AND METHODS USED TO DETERMINE THE POSITIONS IN THESE COORDINATE LISTINGS. MONTANA COORDINATE SYSTEM NAD 83 (1999), HORIZONTAL UNITS: INTERNATIONAL FEET, VERTICAL UNITS: U. S. SURVEY FEET NSRS CONTROL: MSOL (PID DE8232). ELEVATIONS WERE DETERMINED USING GEOID03 AND ADJUSTED TO THE NAVD88 VERTICAL DATUM. IN ADDITION TO THE NSRS CONTROL POINT, LOCAL CONTROL POINTS R002 AND 5609 WERE USED AS BASES IN THE REAL-TIME KINEMATIC PHASE OF THIS SURVEY TO SET THE CENTERLINE ROAD MONUMENTS.

THE FOLLOWING PUBLIC LAND SURVEY SYSTEM (PLSS) CORNERS WERE SURVEYED USING DUAL-FREQUENCY GPS RECEIVERS AND STATIC OBSERVATION METHODS. THE ACCURACY IS +/- 0.03 FEET HORIZONTAL +/- 0.20 FEET VERTICAL WITH A 95% LEVEL OF CERTAINTY FOR THE HORIZONTAL AND VERTICAL.

POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
5016	996475.9435	829566.6802	3163.03	FND 1-1/2" BRASS CAP 2923S
5380	1001792.8981	829877.1086	3156.97	FND 3" AL CAP ILLEGIBLE
5384	999134.8748	829721.6904	3158.53	FND 2-1/2" AL CAP 4468S
5443	1002066.2133	824624.2782	3199.76	FND LARGE SPIKE IN 2" IRON PIPE
5445	1001930.3579	827250.7980	3158.09	FND 2" AL CAP 4468S
5448	996755.2345	824359.8748	3150.94	FND 2-1/4" BRASS CAP UNMARKED
5650	993812.8353	829409.0895	3142.83	FND 2" AL CAP MKD 4468S
5653	994111.3643	824208.5382	3144.81	W1/4 S13; SET 3-1/4" AL CAP MKD 5609S ON 5/8" X 24" REBAR
9003	999272.7917	827107.0279	3144.81	C1/4 S12; SET 3-1/4" AL CAP MKD 5609S ON 1"x30" AL SHAFT
9036	999410.7239	824492.0765	3144.81	SET 3-1/4" AL CAP MKD 5609S ON 1"x30" AL SHAFT
9037	996615.5890	826963.2775	3144.81	SET 3-1/4" AL CAP MKD 5609S ON 1"x30" AL SHAFT
9038	993962.5341	826801.2474	3133.91	SET 3-1/4" AL CAP MKD 5609S ON 1"x30" AL SHAFT

THE FOLLOWING ROAD CENTERLINE POINTS AND PUBLIC LAND SURVEY SYSTEM (PLSS) CORNERS WERE CALCULATED FROM THE BASE CONTROL AS SHOWN ON THIS SHEET. THE MONUMENTS SET WERE SURVEYED USING DUAL-FREQUENCY GPS RECEIVERS AND REAL TIME KINEMATIC PROCEDURES. THE ACCURACY IS +/- 0.06 FEET HORIZONTAL +/- 0.20 FEET VERTICAL WITH A 95% LEVEL OF CERTAINTY FOR THE HORIZONTAL AND VERTICAL.

POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
9000	999237.9017	828299.9366	3155.44	PRC- SET 5/8"X24" REBAR WITH 1 3/4" OPC MARKED (5609S)
9001	999231.0739	828202.9446	3155.31	PT- SET 5/8"X24" REBAR WITH 1 3/4" OPC MARKED (5609S)
9002	999248.1272	827754.9587	3153.82	POT- SET 5/8"X24" REBAR WITH 1 3/4" OPC MARKED (5609S)
9004	994824.3228	827518.5551	3154.10	PC- SET 5/8"X24" REBAR WITH 1 3/4" OPC MARKED (5609S)
9005	994895.3610	827515.8442	3155.37	PT- SET 5/8"X24" REBAR WITH 1 3/4" OPC MARKED (5609S)
9006	997904.3094	827669.1484	3156.24	AP- SET 5/8"X24" REBAR WITH 1 3/4" OPC MARKED (5609S)
9007	999916.5868	827795.0474	3154.85	POT- SET 5/8"X24" REBAR WITH 1 3/4" OPC MARKED (5609S)
9010	994615.0879	825862.2556	3148.12	PC- SET 5/8"X24" REBAR WITH 1 3/4" OPC MARKED (5609S)
9013	994875.8655	825712.9539	3148.87	PRC- SET 5/8"X24" REBAR WITH 1 3/4" OPC MARKED (5609S)
9016	995202.5482	825561.6203	3149.32	PT- SET 5/8"X24" REBAR WITH 1 3/4" OPC MARKED (5609S)
9017	996023.4293	825612.4635	3156.46	PC- SET 5/8"X24" REBAR WITH 1 3/4" OPC MARKED (5609S)
9020	996133.5665	825635.1325	3154.73	PRC- SET 5/8"X24" REBAR WITH 1 3/4" OPC MARKED (5609S)
9023	996232.2897	825655.5096	3153.76	PT- SET 5/8"X24" REBAR WITH 1 3/4" OPC MARKED (5609S)
9024	996509.8583	825673.0121	3153.29	PC- SET 5/8"X24" REBAR WITH 1 3/4" OPC MARKED (5609S)
9026	996589.6274	825668.0324	3154.03	PRC- SET 5/8"X24" REBAR WITH 1 3/4" OPC MARKED (5609S)
820	999244.4291	828403.5430	3155.31	POT- SET 5/8"X24" REBAR WITH 1 3/4" OPC MARKED (5609S)

POT = POINT ON TANGENT
PC = POINT OF CURVATURE
PT = POINT OF TANGENCY
PCC = POINT OF COMPOUND CURVATURE
PRC = POINT OF REVERSE CURVATURE
OPC = ORANGE PLASTIC CAP
RPC = RED PLASTIC CAP
YPC = YELLOW PLASTIC CAP
AL = ALUMINUM
R/W = RIGHT-OF-WAY LIMIT
CL = CENTERLINE
ft = International foot
sft = Survey foot
MDT = MONTANA DEPARTMENT OF TRANSPORTATION
RM = REFERENCE MONUMENT
COS = CERTIFICATE OF SURVEY
AP = ANGLE POINT
MKD = MARKED
CCR # = CERTIFIED CORNER RECORDATION
DOCUMENT NUMBER

1/4	SEC	T	R	SHEET 1 OF 5 MISSOULA COUNTY PRINCIPAL MERIDIAN, MONTANA		
12	13 N	20 W				
13	13 N	20 W				

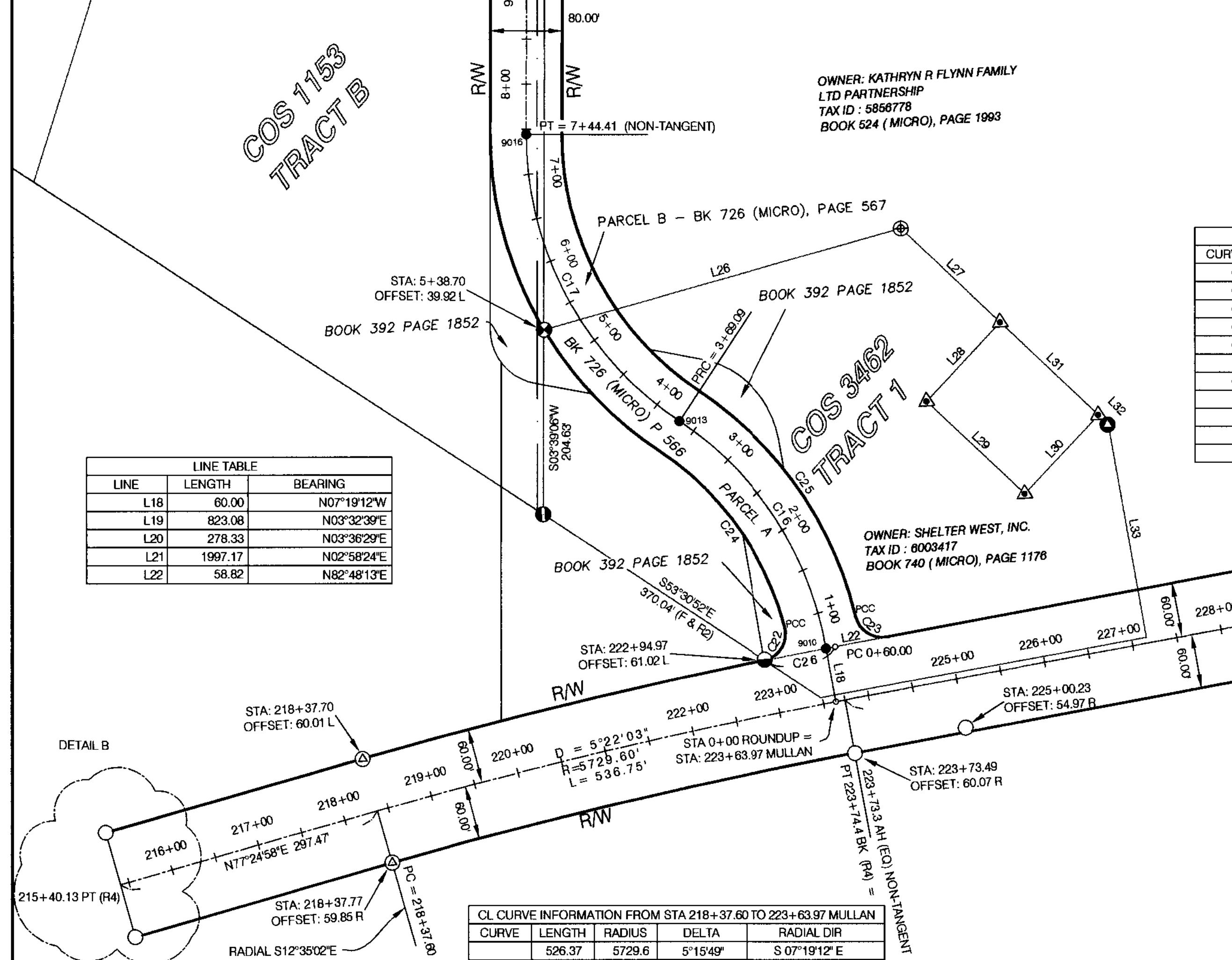
CERTIFICATE OF SURVEY
NO. 5699

CERTIFICATE OF SURVEY

A SURVEY TO RETRACE ROAD EASEMENTS
FOR PUBLIC ROAD AND ALL OTHER PUBLIC PURPOSES



DETAIL B
(*SEE NOTE BELOW)



CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	RADIAL DIR
C16	309.09	380.00	46°36'15"	S83°30'12" W AT PC
C17	375.32	380.67	56°29'26"	N36°53'57" E AT PRC
C18	112.91	400.00	16°10'21"	S86°27'21" E AT PC
C19	101.21	360.00	16°06'31"	N70°17'00" W AT PRC
C20	80.19	319.96	14°21'36"	N86°23'31" W AT PC
C21	95.82	399.96	13°42'35"	N79°14'51" E AT PRC
C22	49.09	30.00	93°45'44"	S 78°13'11" W AT PC
C23	45.43	30.00	86°46'04"	N 79°34'17" E AT PCC
C24	245.20	340.00	41°19'14"	
C25	312.80	420.00	42°40'20"	
C26	81.03	5789.60	0°48'07"	

LINE TABLE		
LINE	LENGTH	BEARING
L26	414.30	N7°40'42" E
L26 (R2)	414.05	N7°41'11" E
L27	151.60	N43°22'00" W
L27 (R2)	151.60	S46°32'33" E
L28	120.03	S46°29'55" W
L28 (R2)	120.00	S43°27'7" W
L29	150.04	S43°31'06" E
L29 (R2)	150.00	S46°32'33" E
L30	120.04	N46°28'19" E
L30 (R2)	120.00	N43°27'27" E
L31	150.02	N43°31'56" W
L31 (R2)	150.00	S46°32'33" E
L32	14.83	N40°32'41" W
L32 (R2)	15.00	S46°32'33" E
L33 (R2)	240.00	S09°52'39" E



DEPARTMENT OF PUBLIC WORKS
SURVEYING DIVISION
MISSOULA COUNTY, MONTANA
SURVEY TO RETRACE ROAD EASEMENTS
FOR PUBLIC ROAD AND ALL OTHER
PUBLIC PURPOSES

BASIS OF BEARING

THE BASIS OF BEARING IS DERIVED FROM OBSERVATIONS USING THE GLOBAL POSITIONING SYSTEM. TRIMBLE GEOMATIC SOFTWARE WAS UTILIZED IN ADJUSTING THE RTK GPS OBSERVATIONS TO THE NAD83/1999 DATUM. THE DISTANCE UNITS SHOWN ARE GROUND INTERNATIONAL FEET; SIMILARLY THE STATIONING SHOWN REFLECTS GROUND DISTANCES. HORIZONTAL COORDINATES, EITHER STATE PLANE OR GEOGRAPHICAL, HOWEVER, ARE EXPRESSED ON THE NAD83/1999 DATUM.

ALL BEARINGS AND DISTANCES ARE FOUND UNLESS NOTED OTHERWISE

PC = POINT OF CURVATURE
PCC = POINT OF COMPOUND CURVATURE
PRC = POINT OF REVERSE CURVATURE
OPC = ORANGE PLASTIC CAP
YPC = YELLOW PLASTIC CAP
R/W = RIGHT-OF-WAY LIMIT
ft = International foot
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RM = REFERENCED MONUMENT
CCR # = CERTIFIED CORNER RECORDATION
DOCUMENT NUMBER

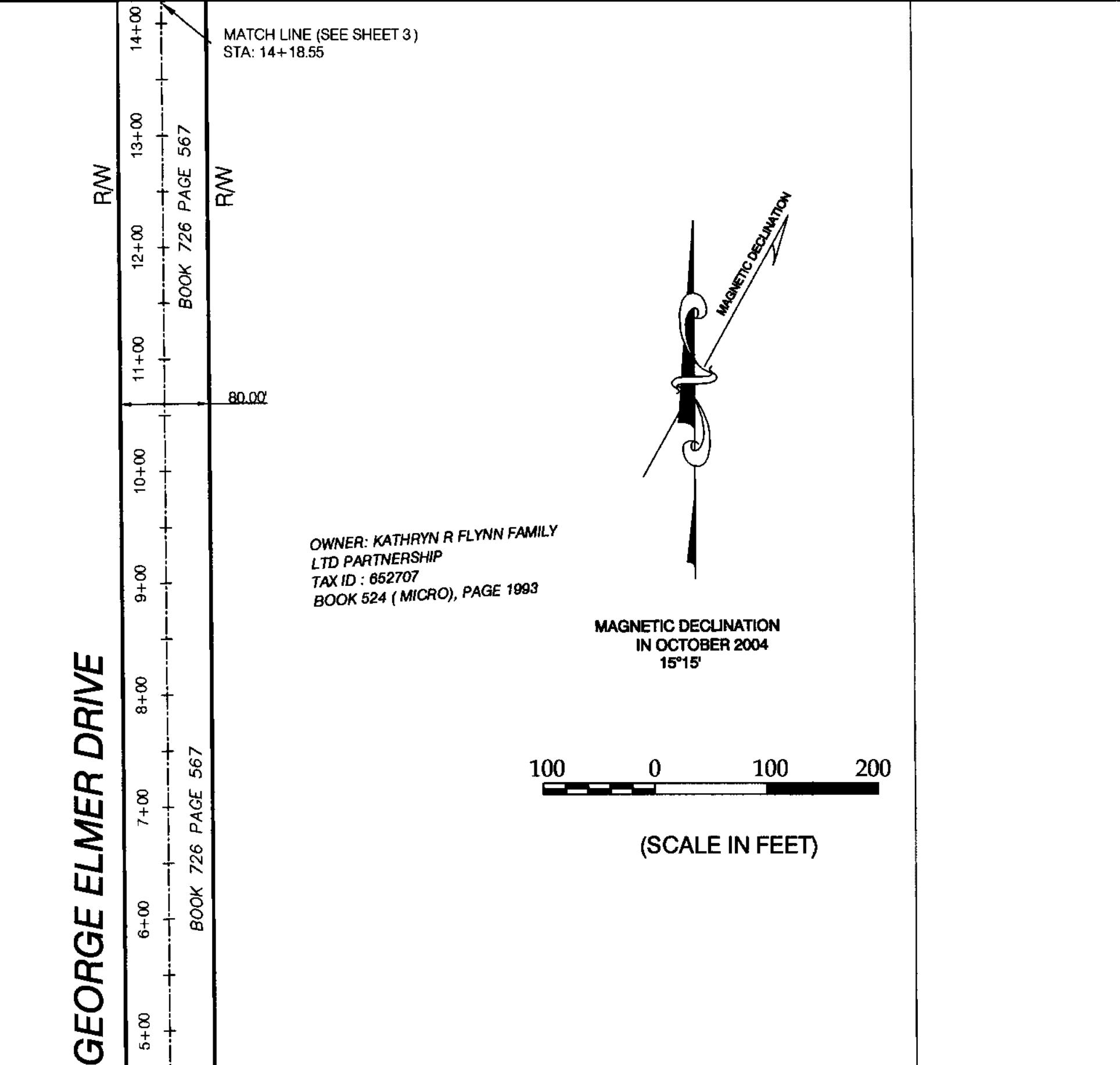
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POT = POINT ON TANGENT
RPC = RED PLASTIC CAP
AL = ALUMINUM
CL = CENTERLINE
COS = CERTIFICATE OF SURVEY
MKD = MARKED
AP = ANGLE POINT

*NOTE: ALL DETAILS ARE NOT TO SCALE;
THEY ARE EXAGGERATED FOR CLARITY. SEE
LEGEND FOR MONUMENT DESCRIPTIONS.

** SEE SURVEYORS NOTE 8 ON SHEET 5



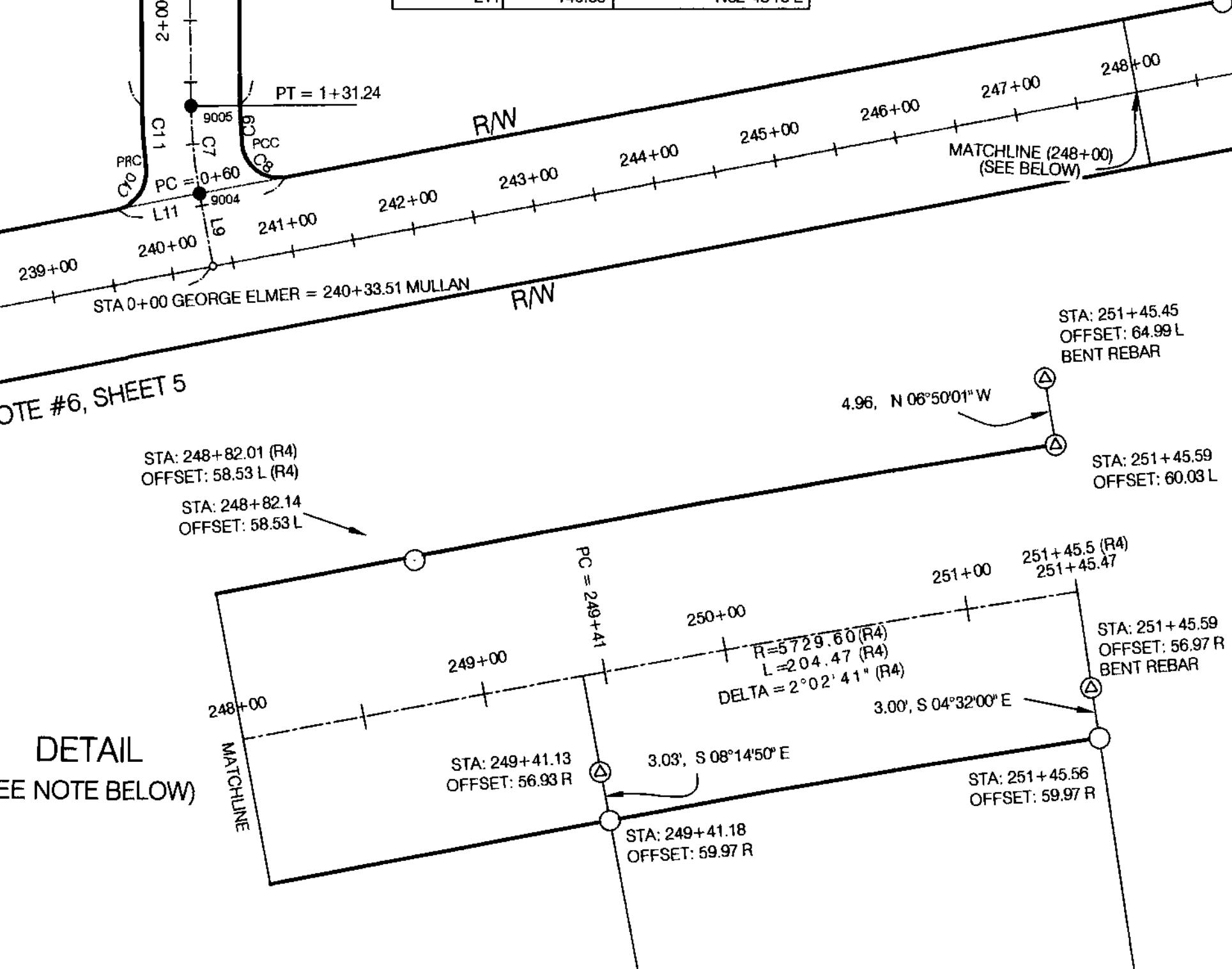
1/4	SEC	T	R	SHEET 2 OF 5
12	13 N	20 W		MISSOULA COUNTY PRINCIPAL MERIDIAN, MONTANA
13	13 N	20 W		



GEORGE ELMER DRIVE

CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	RADIAL DIR
C7	71.24	400.00	10°12'15"	N82°42'45" E AT PC
C8	49.80	30.00	95°06'19"	N07°11'47" W AT PC
C9	31.47	360.00	5°00'28"	N87°54'32" E AT PCC
C10	45.25	30.00	86°25'05"	N07°11'47" W AT PT
C11	50.15	440.00	6°31'52"	S86°23'08" W AT PRC

LINE TABLE			
LINE	LENGTH	BEARING	
L9	60.00	N07°11'47" W	
L11	140.39	N82°46'13" E	



DETAIL
(*SEE NOTE BELOW)

1/4	SEC	T	R	SHEET 2 OF 5
12	13 N	20 W		MISSOULA COUNTY PRINCIPAL MERIDIAN, MONTANA
13	13 N	20 W		

5699

CERTIFICATE OF SURVEY

A SURVEY TO RETRACE ROAD EASEMENTS FOR PUBLIC ROAD AND ALL OTHER PUBLIC PURPOSES

LEGAL DESCRIPTIONS:

ENGLAND BOULEVARD

A STRIP OF LAND 80.00 FEET WIDE BEING PORTIONS OF TRACTS 4,5,6, AND 7 OF CERTIFICATE OF SURVEY 3176, A RECORDED SURVEY OF MISSOULA COUNTY, MONTANA, LOCATED IN THE SOUTHEAST, SOUTHWEST, NORTHEAST AND NORTHWEST QUARTERS OF SECTION 12, TOWNSHIP 13 NORTH, RANGE 20 WEST, PRINCIPAL MERIDIAN, MONTANA; SAID STRIP OF LAND LYING 40.00 FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE:

COMMENCING AT THE NORTHEAST CORNER OF TRACT 4 OF SAID CERTIFICATE OF SURVEY (C.O.S.) 3176; THENCE ALONG THE EASTERLY BOUNDARY OF SAID TRACT 4, S 04°04'10" W A DISTANCE OF 523.86 FEET TO A 5/8" REBAR WITH A 1 1/4" YELLOW PLASTIC CAP MARKED 3713S; THENCE CONTINUING ALONG SAID EASTERLY BOUNDARY, S 02°39'09" W A DISTANCE OF 128.90 FEET TO STATION 62+22.16 OF ENGLAND BOULEVARD AS SHOWN ON C.O.S. 5624 AND THE POINT OF BEGINNING OF THIS DESCRIPTION, SAID POINT BEING THE POINT OF CURVATURE (P.C.) OF A NON-TANGENT CURVE CONCAVE SOUTHEASTERLY AND HAVING A RADIUS OF 450.00 FEET, THE RADIUS POINT OF WHICH BEARS S 03°01'25" W; THENCE SOUTHWESTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 13°15'26" FOR A DISTANCE OF 104.12 FEET TO STATION 63+26.28 P.R.C. (POINT OF REVERSE CURVATURE) OF A CURVE, THE RADIUS POINT OF WHICH BEARS N 10°14'01" W A DISTANCE OF 450.00 FEET; THENCE WESTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 12°24'49" FOR A DISTANCE OF 97.50 FEET TO STATION 64+23.79 P.T. (POINT OF TANGENCY) OF THE CURVE, SAID P.T. BEING ON THE SOUTHERLY BOUNDARY LINE OF TRACT 4 OF C.O.S. 3176; THENCE ALONG SAID SOUTHERLY BOUNDARY N 87°49'12" W FOR A DISTANCE OF 1097.54 FEET TO STATION 75+21.32 AND THE SOUTHWEST CORNER OF SAID TRACT 4; THENCE ALONG THE SOUTHERLY BOUNDARY OF TRACT 5 OF SAID C.O.S. 3176, N 86°58'50" W A DISTANCE OF 1310.28 FEET TO STATION 88+31.60 AND THE POINT OF TERMINUS OF THIS DESCRIPTION, FROM WHICH A 1 1/4" YELLOW PLASTIC CAP MARKED 3713S BEARS S 58°29'41" W A DISTANCE OF 0.74 FEET. THE SIDELINES (RIGHT-OF-WAY LINES) OF SAID STRIP OF LAND TO BE LENGTHENED OR SHORTENED AS NECESSARY TO INTERSECT SAID EASTERLY BOUNDARIES OF TRACTS 4 AND 6 OF C.O.S. 3176 AND THE WESTERLY BOUNDARIES OF TRACTS 5 AND 7 OF C.O.S. 3176;

CONTAINING 4.792 ACRES, MORE OR LESS; BEING SURVEYED AND MONUMENTED ACCORDING TO THIS CERTIFICATE OF SURVEY, AND SUBJECT TO ANY EXISTING EASEMENTS.

GEORGE ELMER DRIVE

A STRIP OF LAND 80.00 FEET WIDE BEING PORTIONS OF THAT PARTICULAR PARCEL AS DESCRIBED IN BOOK 524 (MICRO) ON PAGE 1993, AND TRACTS 10, 8, 6, AND 4 OF CERTIFICATE OF SURVEY 3176, A RECORDED SURVEY OF MISSOULA COUNTY, MONTANA; SAID STRIP OF LAND BEING LOCATED IN THE SOUTHEAST AND NORTHEAST QUARTERS OF SECTION 12, AND THE NORTHEAST QUARTER OF SECTION 13, TOWNSHIP 13 NORTH, RANGE 20 WEST, PRINCIPAL MERIDIAN, MONTANA AND SAID STRIP OF LAND LYING 40.00 FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE:

COMMENCING AT THE WEST ONE-QUARTER CORNER OF SAID SECTION 13; THENCE N 71°18'29" E A DISTANCE OF 901.57 FEET TO A POINT ON MULLAN ROAD, SAID POINT BEING STATION P.T. 215+40.13 AS SHOWN ON MONTANA DEPARTMENT OF TRANSPORTATION PROJECT NUMBER RS 263-1 (5) 1, APPROVED MAY 16, 1986, ON SHEET 7; THENCE N 77°24'58" E FOR A DISTANCE OF 297.47 FEET TO STATION P.C. 218+37.60; SAID POINT BEING THE POINT OF CURVATURE (P.C.) OF A CURVE CONCAVE SOUTHEASTERLY AND HAVING A RADIUS OF 5729.60 FEET, THE RADIUS POINT OF WHICH BEARS S 12°35'02" E; THENCE NORTHEASTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 5°15'49" FOR A DISTANCE OF 526.37 FEET TO STATION 223+63.97 MULLAN = 0+00 ROUNDUP DRIVE; THENCE N 07°19'12" W A DISTANCE OF 60.00 FEET TO STATION 0+60.00 P.C. TO THE NORTHERLY RIGHT-OF-WAY LINE FOR MULLAN ROAD AND THE POINT OF BEGINNING OF THIS DESCRIPTION; SAID STRIP OF LAND BEING 40.00 FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE: SAID POINT ALSO BEING THE P.C. OF A NON-TANGENT CURVE CONCAVE SOUTHWESTERLY AND HAVING A RADIUS OF 380.00 FEET, THE RADIUS POINT OF WHICH BEARS S 83°30'12" W; THENCE NORTHWESTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 46°36'15" FOR A DISTANCE OF 309.09 FEET TO STATION 3+69.09 P.R.C. (POINT OF REVERSE CURVATURE) OF A NON-TANGENT CURVE, FROM WHICH THE RADIUS POINT BEARS N 36°53'57" E A DISTANCE OF 380.67 FEET; THENCE NORTHWESTERLY ALONG SAID REVERSE CURVE THROUGH A CENTRAL ANGLE OF 56°29'26" FOR A DISTANCE OF 375.32 FEET TO STATION 7+44.1 P.T.; THENCE N 03°32'39" E A DISTANCE OF 823.08 FEET TO STATION 15+67.49 P.C. OF A CURVE CONCAVE SOUTHEASTERLY AND HAVING A RADIUS OF 400.00 FEET, THE RADIUS POINT OF WHICH BEARS S 66°27'21" E; THENCE NORTHEASTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE 16°10'21" FOR A DISTANCE OF 112.91 FEET TO STATION 16+80.40 P.R.C. OF A NON-TANGENT CURVE FROM WHICH THE RADIUS POINT BEARS N 70°17'00" W A DISTANCE OF 360.00 FEET; THENCE NORTHEASTERLY ALONG SAID REVERSE CURVE THROUGH A CENTRAL ANGLE OF 16°06'31" FOR A DISTANCE OF 101.21 FEET TO STATION 17+81.61 P.T.; THENCE N 03°36'29" E A DISTANCE OF 278.33 FEET TO STATION 20+59.94 P.C. OF A CURVE CONCAVE SOUTHWESTERLY AND HAVING A RADIUS OF 319.96 FEET, THE RADIUS POINT OF WHICH BEARS N 86°23'31" W; THENCE NORTHWESTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 14°21'38" FOR A DISTANCE OF 80.19 FEET TO STATION 21+40.13 P.R.C. OF A NON-TANGENT CURVE FROM WHICH THE RADIUS POINT BEARS N 79°14'51" E A DISTANCE OF 399.96 FEET; THENCE NORTHERLY ALONG SAID REVERSE CURVE THROUGH A CENTRAL ANGLE OF 13°43'35" FOR A DISTANCE OF 95.82 FEET TO STATION 22+35.95 P.T.; THENCE N 2°58'24" E A DISTANCE OF 1331.59 FEET TO STATION 35+67.54 AND THE SOUTH 1/16TH LINE OF SAID SECTION 12 AND THE END OF THE 80.00 FOOT WIDE RIGHT-OF-WAY DESCRIPTION; THE SIDELINES (RIGHT-OF-WAY LINES) OF SAID STRIP OF LAND TO BE LENGTHENED OR SHORTENED AS NECESSARY TO INTERSECT THE SOUTH 1/16TH LINE OF SECTION 12 AND THE NORTHERLY BOUNDARY OF THE RIGHT-OF-WAY FOR MULLAN ROAD; THENCE CONTINUING FROM STATION 35+59.54 AND THE SOUTH 1/16TH LINE OF SAID SECTION 12 AND DESCRIBING A STRIP OF LAND LYING 40 FEET WIDE EAST OF THE FOLLOWING DESCRIBED CENTERLINE; THENCE N 2°58'24" E A DISTANCE OF 1997.17 FEET TO STATION 55+64.71 AND THE POINT OF TERMINUS OF THIS DESCRIPTION, SAID TERMINUS BEING ON THE W 1/16TH LINE OF SECTION 12 AND THE NORTHERLY LINE OF TRACT 5 OF SAID C.O.S. 3176; THE SIDELINE (RIGHT-OF-WAY LINE) OF SAID STRIP OF LAND TO BE LENGTHENED OR SHORTENED AS NECESSARY TO INTERSECT SAID NORTHERLY LINE OF TRACT 5 OF C.O.S. 3176.

TOGETHER WITH THE EXTERNAL AREAS OF 30 FOOT RADIUS FILLET CURVES AT THE INTERSECTION OF THE SIDELINES WITH SAID NORTHERLY RIGHT-OF-WAY LINES OF MULLAN ROAD AND AS SHOWN ON THIS SURVEY.

EXCEPTING ANY ENGLAND BOULEVARD RIGHT-OF-WAY AREA AS SHOWN ON THIS SURVEY.

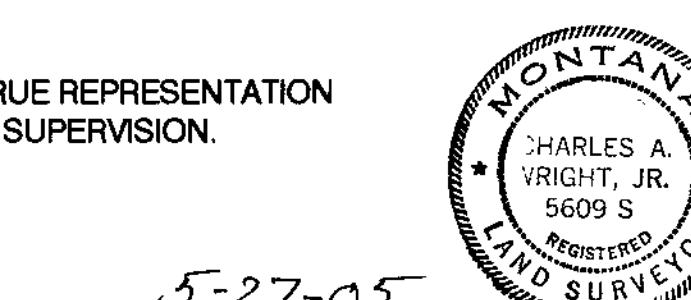
CONTAINING 8.211 ACRES, MORE OR LESS; BEING SURVEYED AND MONUMENTED ACCORDING TO THIS CERTIFICATE OF SURVEY, AND SUBJECT TO ANY EXISTING EASEMENTS.

SURVEYORS CERTIFICATION

I HEREBY CERTIFY THAT THIS CERTIFICATE OF SURVEY IS A TRUE REPRESENTATION OF A SURVEY CONDUCTED BY MISSOULA COUNTY UNDER MY SUPERVISION.

Charles A. Wright Jr.

CHARLES A. WRIGHT, JR. PLS. REGISTRATION NO. 5609S



5-27-05

DATE
UNLESS SIGNED, SEALED, AND DATED, THIS IS A PRELIMINARY OR UNOFFICIAL
DOCUMENT AND CANNOT BE RELIED UPON IN WHOLE OR PART.

FINAL APPROVAL GRANTED BY

Steve L. Schaefer

MISSOULA COUNTY DEPARTMENT OF PUBLIC WORKS

5/27/2005

DATE

Edward J. Walker

MISSOULA CITY/COUNTY HEALTH DEPARTMENT

5/27/05

DATE



DEPARTMENT OF PUBLIC WORKS

SURVEYING DIVISION

MISSOULA COUNTY, MONTANA

SURVEY TO RETRACE ROAD EASEMENTS
FOR PUBLIC ROAD AND ALL OTHER
PUBLIC PURPOSES

ROUNDUP DRIVE

A STRIP OF LAND OF VARYING WIDTH BEING PORTIONS OF THOSE PARTICULAR PARCELS AS DESCRIBED IN BOOK 524 (MICRO) ON PAGE 1993, BOOK 447 (MICRO) ON PAGE 757, BOOK 535 (MICRO) ON PAGE 418, BOOK 511 (MICRO) ON PAGE 199, TRACT 1 OF CERTIFICATE OF SURVEY (COS) 3462, TRACT B OF COS 1153, TRACTS 5, 7, AND 9 OF COS 3176, AND LOT 4 OF FORTY-FOUR RANCH ESTATES, ALL RECORDS OF MISSOULA COUNTY, MONTANA; SAID STRIP OF LAND BEING LOCATED IN THE NORTHWEST QUARTER OF SECTION 13, AND THE SOUTHWEST AND NORTHWEST QUARTERS OF SECTION 12, TOWNSHIP 13 NORTH, RANGE 20 WEST, PRINCIPAL MERIDIAN, MONTANA; SAID STRIP OF LAND LYING ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE:

COMMENCING AT THE WEST ONE-QUARTER CORNER OF SAID SECTION 13; THENCE N 71°18'29" E A DISTANCE OF 901.57 FEET TO A POINT ON MULLAN ROAD, SAID POINT BEING STATION P.T. 215+40.13 AS SHOWN ON MONTANA DEPARTMENT OF TRANSPORTATION PROJECT NUMBER RS 263-1 (5) 1, APPROVED MAY 16, 1986, ON SHEET 7; THENCE N 77°24'58" E FOR A DISTANCE OF 297.47 FEET TO STATION P.C. 218+37.60; SAID POINT BEING THE POINT OF CURVATURE (P.C.) OF A CURVE CONCAVE SOUTHEASTERLY AND HAVING A RADIUS OF 5729.60 FEET, THE RADIUS POINT OF WHICH BEARS S 12°35'02" E; THENCE NORTHEASTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 5°15'49" FOR A DISTANCE OF 526.37 FEET TO STATION 223+63.97 MULLAN = 0+00 ROUNDUP DRIVE; THENCE N 07°19'12" W A DISTANCE OF 60.00 FEET TO STATION 0+60.00 P.C. TO THE NORTHERLY RIGHT-OF-WAY LINE FOR MULLAN ROAD AND THE POINT OF BEGINNING OF THIS DESCRIPTION; SAID STRIP OF LAND BEING 40.00 FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE: SAID POINT ALSO BEING THE P.C. OF A NON-TANGENT CURVE CONCAVE SOUTHWESTERLY AND HAVING A RADIUS OF 380.00 FEET, THE RADIUS POINT OF WHICH BEARS S 83°30'12" W; THENCE NORTHWESTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 46°36'15" FOR A DISTANCE OF 309.09 FEET TO STATION 3+69.09 P.R.C. (POINT OF REVERSE CURVATURE) OF A NON-TANGENT CURVE, FROM WHICH THE RADIUS POINT BEARS N 36°53'57" E A DISTANCE OF 380.67 FEET; THENCE NORTHWESTERLY ALONG SAID REVERSE CURVE THROUGH A CENTRAL ANGLE OF 56°29'26" FOR A DISTANCE OF 375.32 FEET TO STATION 7+44.1 P.T.; THENCE N 03°32'39" E A DISTANCE OF 823.08 FEET TO STATION 15+67.49 P.C. OF A CURVE CONCAVE SOUTHEASTERLY AND HAVING A RADIUS OF 400.00 FEET, THE RADIUS POINT OF WHICH BEARS S 66°27'21" E; THENCE NORTHEASTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE 16°10'21" FOR A DISTANCE OF 112.91 FEET TO STATION 16+80.40 P.R.C. OF A NON-TANGENT CURVE FROM WHICH THE RADIUS POINT BEARS N 70°17'00" W A DISTANCE OF 360.00 FEET; THENCE NORTHEASTERLY ALONG SAID REVERSE CURVE THROUGH A CENTRAL ANGLE OF 16°06'31" FOR A DISTANCE OF 101.21 FEET TO STATION 17+81.61 P.T.; THENCE N 03°36'29" E A DISTANCE OF 278.33 FEET TO STATION 20+59.94 P.C. OF A CURVE CONCAVE SOUTHWESTERLY AND HAVING A RADIUS OF 319.96 FEET, THE RADIUS POINT OF WHICH BEARS N 86°23'31" W; THENCE NORTHWESTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 14°21'38" FOR A DISTANCE OF 80.19 FEET TO STATION 21+40.13 P.R.C. OF A NON-TANGENT CURVE FROM WHICH THE RADIUS POINT BEARS N 79°14'51" E A DISTANCE OF 399.96 FEET; THENCE NORTHERLY ALONG SAID REVERSE CURVE THROUGH A CENTRAL ANGLE OF 13°43'35" FOR A DISTANCE OF 95.82 FEET TO STATION 22+35.95 P.T.; THENCE N 2°58'24" E A DISTANCE OF 1331.59 FEET TO STATION 35+67.54 AND THE SOUTH 1/16TH LINE OF SAID SECTION 12 AND THE END OF THE 80.00 FOOT WIDE RIGHT-OF-WAY DESCRIPTION; THE SIDELINES (RIGHT-OF-WAY LINES) OF SAID STRIP OF LAND TO BE LENGTHENED OR SHORTENED AS NECESSARY TO INTERSECT THE SOUTH 1/16TH LINE OF SECTION 12 AND THE NORTHERLY BOUNDARY OF THE RIGHT-OF-WAY FOR MULLAN ROAD; THENCE CONTINUING FROM STATION 35+59.54 AND THE SOUTH 1/16TH LINE OF SAID SECTION 12 AND DESCRIBING A STRIP OF LAND LYING 40 FEET WIDE EAST OF THE FOLLOWING DESCRIBED CENTERLINE; THENCE N 2°58'24" E A DISTANCE OF 1997.17 FEET TO STATION 55+64.71 AND THE POINT OF TERMINUS OF THIS DESCRIPTION, SAID TERMINUS BEING ON THE W 1/16TH LINE OF SECTION 12 AND THE NORTHERLY LINE OF TRACT 5 OF SAID C.O.S. 3176; THE SIDELINE (RIGHT-OF-WAY LINE) OF SAID STRIP OF LAND TO BE LENGTHENED OR SHORTENED AS NECESSARY TO INTERSECT SAID NORTHERLY LINE OF TRACT 5 OF C.O.S. 3176.

TOGETHER WITH THE EXTERNAL AREAS OF 30 FOOT RADIUS FILLET CURVES AT THE INTERSECTION OF THE SIDELINES WITH SAID NORTHERLY RIGHT-OF-WAY LINES OF MULLAN ROAD AND AS SHOWN ON THIS SURVEY.

EXCEPTING ANY ENGLAND BOULEVARD RIGHT-OF-WAY AREA AS SHOWN ON THIS SURVEY.

CONTAINING 8.211 ACRES, MORE OR LESS; BEING SURVEYED AND MONUMENTED ACCORDING TO THIS CERTIFICATE OF SURVEY, AND SUBJECT TO ANY EXISTING EASEMENTS.

PURPOSE OF SURVEY

THIS SURVEY SHOWS THE RETRACEMENT OF EASEMENTS AND THE MONUMENTS RECOVERED AND SET TO DEFINE SAID EASEMENTS. THE DOCUMENTS THAT CONVEY THE 80 FOOT WIDE ROAD EASEMENTS ARE RECORDED IN BOOKS 726 (MICRO) ON PAGES 565-570 AND BOOK 731 (MICRO) ON PAGE 231. FURTHER, THIS SURVEY IS FILED WITH THE INTENT TO MEET THE REQUIREMENTS OF SECTION 76-3-404 (1)(a) AND (d) M.C.A. TO WIT: (a) "PROVIDES MATERIAL EVIDENCE NOT APPEARING ON ANY MAP FILED WITH THE COUNTY CLERK AND RECORDER OR CONTAINED IN THE RECORDS OF THE UNITED STATES OF BUREAU OF LAND MANAGEMENT." (d) "ESTABLISHES ONE OR MORE LINES NOT SHOWN ON A RECORDED MAP, THE POSITIONS OF WHICH ARE NOT ASCERTAINABLE FROM AN INSPECTION OF SUCH MAP WITHOUT TRIGONOMETRIC CALCULATIONS."

SURVEYORS NOTES:

1. THIS CERTIFICATE OF SURVEY RETRACES EXISTING RECORDED RIGHT-OF-WAY EASEMENTS AS NOTED ABOVE UNDER PURPOSE OF SURVEY. THE INTENT WAS TO ESTABLISH ALIGNMENTS THAT BOTH FIT THE EXISTING RECOVERED MONUMENTS AND ALSO MAINTAIN A CONTINUITY RATHER THAN RETRACE EACH INDIVIDUAL EASEMENT. THE SAID RECORDED EASEMENTS CITE, "THE GRANTEE SHALL HAVE A CERTIFICATE OF SURVEY PREPARED AND RECORDER THAT DEFINES AND MONUMENTS THE FINAL LOCATIONS OF THE PUBLIC ROADWAY EASEMENTS UPON GRANTOR'S LAND."

2. THIS SURVEY IS NOT INTENDED TO RETRACE BOUNDARY LINES BETWEEN THE OWNERSHIPS LOCATED ALONG SEGMENTS OF ENGLAND BOULEVARD, GEORGE ELMER DRIVE, OR ROUNDUP DRIVE. A NUMBER OF BOUNDARY CORNERS WERE LOCATED IN THIS SURVEY AND THEIR SPATIAL RELATIONSHIP TO THE CENTERLINE OF THE RETRACED PUBLIC ROAD EASEMENTS HAVE BEEN SHOWN.

3. CENTERLINE MONUMENTS OF THE ROADWAY EASEMENTS WERE SET AS DESCRIBED ON SHEET 1 IN THE LEGEND. AT THE DATE OF THE FILING OF THIS SURVEY, NONE OF THE ROADWAYS HAVE BEEN FULLY CONSTRUCTED. UPON CONSTRUCTION, THE MONUMENTED CENTERLINE POINTS WILL PROBABLY BE DESTROYED. IT WILL BE THE RESPONSIBILITY OF THE DEVELOPER OR CONTRACTOR TO CONTACT THE MISSOULA COUNTY SURVEYORS OFFICE TO REPLACE THE MONUMENTED CENTERLINE POINTS WITH A SUBSTANTIAL METAL MONUMENT PURSUANT TO ARM 8.94.3001(b); THE TYPE OF MONUMENT AND ACCESSORIES TO USE WILL BE AT THE DISCRETION OF THE MISSOULA COUNTY SURVEYORS OFFICE.

4. TO REDUCE GROUND HORIZONTAL DISTANCES TO GRID DISTANCES, YOU USE A COMBINED FACTOR OR THE PRODUCT OF THE ELEVATION FACTOR AND THE SCALE FACTOR. RATHER THAN USE A MEAN COMBINED FACTOR FOR THE ENTIRE PROJECT, IT MAY BE NECESSARY TO CALCULATE THE COMBINED FACTOR FOR A PARTICULAR AREA. FOR EXAMPLE, AN INVERSE BETWEEN POINTS 5448 AND 9037 (THE SW CORNER OF SECTION 12 AND THE SOUTH 1/4 OF SECTION 12, RESPECTIVELY) PRODUCES A GRID DISTANCE OF 2607.145 FEET. THE GROUND DISTANCE BETWEEN THESE POINTS IS 2608.115 FEET. THEREFORE, THE COMBINED FACTOR TO USE IN THIS AREA WOULD BE GRID/GROUND OR 0.999244995. THIS COMBINED FACTOR IS MULTIPLIED BY HORIZONTAL GROUND DISTANCES TO PRODUCE GRID DISTANCES FOR WORK ON THE STATE PLANE GRID SYSTEM. CONVERSELY, THE RECIPROCAL OF THE COMBINED FACTOR IS MULTIPLIED TO GRID DISTANCES TO WORK WITH CONVENTIONAL GROUND DISTANCES.

5. THE ALIQUOT LINES USED ON THIS SURVEY ARE AS DETERMINED FROM THE EXISTING AND SET MONUMENTS AT