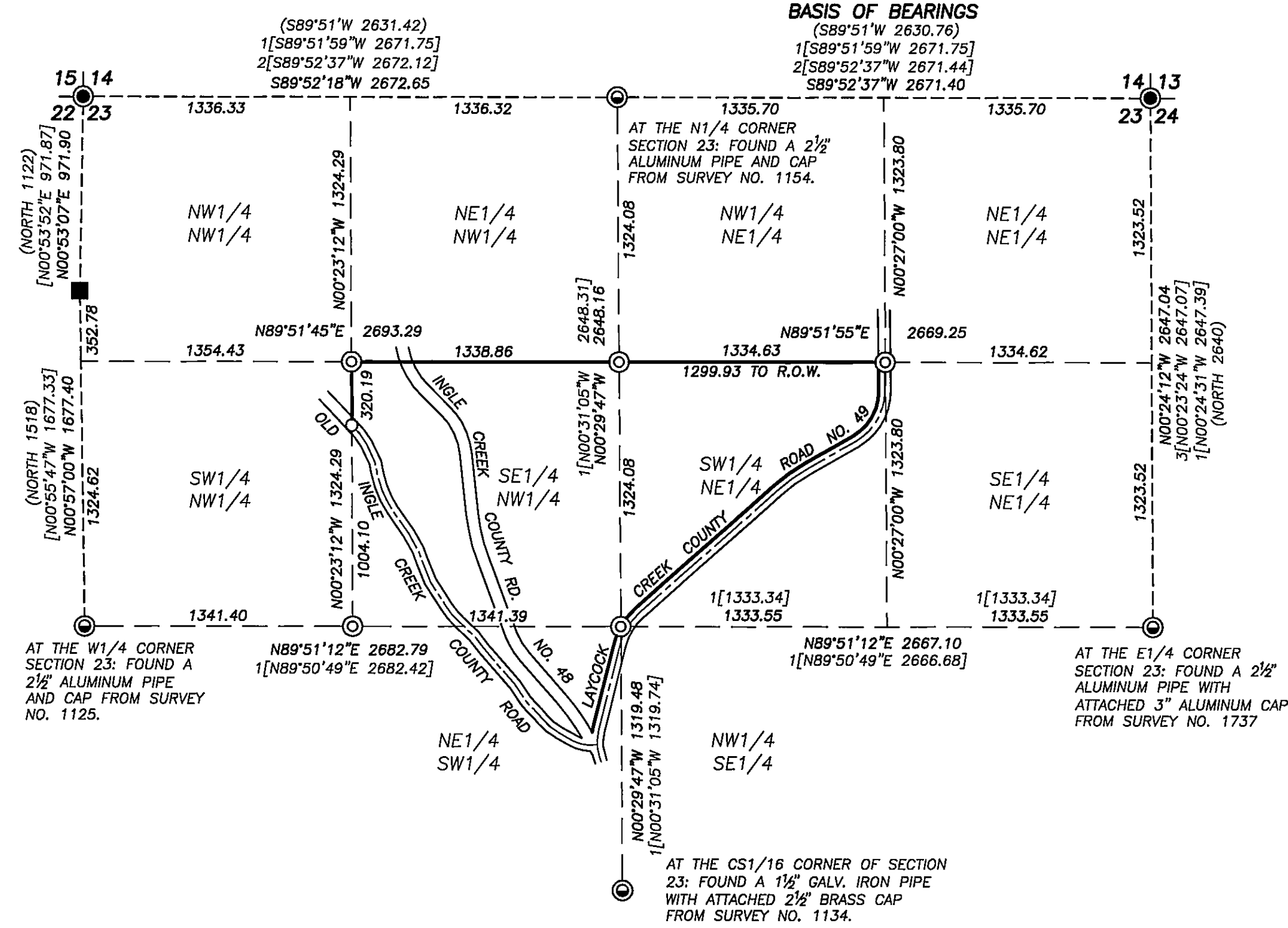


SECTION SUBDIVISION

SCALE: 1"=600'



NARRATIVE

THIS SURVEY WAS PERFORMED AT THE REQUEST OF DAN O'BRIEN. THE PURPOSE OF THIS SURVEY WAS TO MONUMENT CERTAIN CORNERS OF MR. O'BRIEN'S PROPERTY AS DESCRIBED IN DEED RECORD INSTRUMENT NO. 041717. MR. O'BRIEN ALSO REQUESTED THAT WE SURVEY THE OLD INGLE CREEK COUNTY ROAD, WHICH IS ALSO A PORTION OF HIS BOUNDARY.

A SEARCH WAS MADE OF THE AVAILABLE RECORDS PERTAINING TO THIS SURVEY. THE HISTORY OF SURVEYS ARE AS FOLLOWS:

THE TOWNSHIP WAS ORIGINALLY SUBDIVIDED BY SAMUEL W. LACKLAND, DEPUTY SURVEYOR, UNDER CONTRACT NO. 357, JULY 2, 1880.

MICHAEL SPEARS, GRANT COUNTY SURVEYOR, PERFORMED A SUBDIVISION OF SECTION 23 IN OCTOBER, 1908, RECORDED IN SURVEY BOOK 1, PAGES 14 AND 15.

RECORD MAP OF SURVEY NO. 1125, BY DAVID ARMSTRONG, PLS, RECORDED FEBRUARY 13, 1990. MR. ARMSTRONG RETRACED THE WEST LINE OF SECTION 23.

RECORD MAP OF SURVEY NO. 1134, BY JAMES HANLEY, PLS, RECORDED MARCH 2, 1990. MR. HANLEY COMPLETED A PARTIAL SUBDIVISION OF SECTION 23.

RECORD MAP OF SURVEY NO. 1154, BY ROBERT BAGETT, PLS, RECORDED OCTOBER 4, 1990. MR. BAGETT COMPLETED A DEPENDENT RESURVEY AND SUBDIVISION OF SECTION 14.

RECORD MAP OF SURVEY NO. 1737, BY KENNETH DELANO JR., PLS, RECORDED OCTOBER 31, 2005. MR. DELANO SUBDIVIDED SECTION 24.

FIELD MEASUREMENTS WERE MADE TO LOCATE EXISTING MONUMENTS SHOWN ON THE AFOREMENTIONED SURVEYS. I SEARCHED THE RECORD LOCATIONS FOR MONUMENTS SET BY SPEARS IN 1908, BUT FOUND NO REMAINING EVIDENCE. IN MOST CASES, SPEARS' NOTES STATE THAT HE SET STONES AT THE CORNERS, BUT DO NOT INDICATE THE SIZE OF THE STONES OR IF ANY IDENTIFYING MARKS WERE MADE.

I FOUND THE ORIGINAL LINE TREE ON THE WEST SIDE OF SECTION 23 WHICH HAD BEEN RECOVERED BY ARMSTRONG DURING SURVEY NO. 1125. THE TREE IS ABOUT 159 FEET NORTH OF THE G.L.O. RECORD POSITION. THE ERROR SEEMS TO BE ISOLATED BETWEEN THE WEST 1/4 CORNER AND NORTHWEST CORNER SECTION 23, AS THE TOTAL MEASURED DISTANCE IS WITHIN 9 FEET OF THE G.L.O. RECORD. THIS ERROR WAS ALSO NOTED BY ARMSTRONG ON HIS SURVEY, AND HE SUGGESTS THAT PERHAPS THE ORIGINAL NOTES SHOULD HAVE READ 25.00 CHAINS INSTEAD OF THE 23.00 CHAINS RECORDED. AS A RESULT, I CHOSE TO ACCEPT THE LINE TREE AS AN ANGLE POINT IN THE SECTION LINE, BUT FOR THE SUBDIVISION OF THE SECTION, I DID NOT UTILIZE IT FOR NORTHING CONTROL. INSTEAD, I CALCULATED A PROPORTIONATE NORTHING OF THE CORNER BASED ON THE NORTHINGS OF THE FOUND MONUMENTS AT THE NORTHWEST CORNER AND THE WEST QUARTER CORNER OF SECTION 23, AS SHOWN. THIS PROVIDES A MORE EQUIVALENT GEOMETRIC RELATIONSHIP OF THE INTERIOR LINES OF THE NW1/4, AND A BETTER FIT OF THE LINES OF OCCUPATION ON THE GROUND.

DURING THE COURSE OF THIS SURVEY, I FOUND SEVERAL UNRECORDED MONUMENTS ALONG THE LAYCOCK CREEK COUNTY ROAD RIGHT OF WAY, SET BY JAMES HANLEY, PLS, PE. MR. HANLEY WAS THE FORMER GRANT COUNTY ENGINEER, AND PERFORMED MANY RIGHT OF WAY SURVEYS IN THAT CAPACITY FOR THE ROAD DEPARTMENT. I LATER DISCOVERED THAT THE ROAD DEPARTMENT HAD A COPY OF HANLEY'S MAP ON FILE IN THEIR OFFICE. I INFORMED THE COUNTY SURVEYOR OF THIS FINDING, AND HE HAS SINCE FILED SAID MAP FOR THE RECORD AS SURVEY NO. 1923. I CHOSE TO ACCEPT HANLEY'S RIGHT OF WAY MONUMENTATION, SINCE HIS ALIGNMENT PROVIDES A REASONABLE FIT TO THE EXISTING CENTERLINE GEOMETRY AND FENCE LINES.

MY DEED RESEARCH OF THE O'BRIEN PROPERTY DISCLOSED THE FOLLOWING:

ON MARCH 29, 1929, A PORTION OF INGLE CREEK COUNTY ROAD WAS CONVEYED AS A 60 FOOT STRIP TO THE COUNTY IN BOOK 38, PAGE 96 ON MARCH 29, 1929.

ON DECEMBER 12, 1955, ROBERT L. CARTER AND RUTH LORENE CARTER TOOK TITLE TO THE SUBJECT PROPERTY AS PART OF A LARGER TRACT, AS EVIDENCED BY DEED BOOK 73, PAGE 477.

ON DECEMBER 12, 1955, THE SAME DAY, THE CARTERS EXECUTED ANOTHER DEED, RECORDED IN DEED BOOK 73, PAGE 526 WHICH CONVEYED THAT PORTION OF THE N1/2SW1/4 AND SE1/4NW1/4 OF SECTION 23 LYING AND BEING SOUTH OF THE INGLE CREEK ROAD "AS SAID ROADS ARE NOW LOCATED ON THE GROUND".

IN SUBSEQUENT DEEDS, THE DESCRIPTION WAS CHANGED TO READ "AS SAID ROADS WERE LOCATED ON THE GROUND ON DEC. 12, 1955."

IN ORDER TO DETERMINE WHERE INGLE CREEK ROAD WAS LOCATED IN DECEMBER OF 1955, I OBTAINED AN AERIAL PHOTO TAKEN JULY 22, 1956. FROM THIS PHOTO I WAS ABLE TO POSITIVELY IDENTIFY THE AS-BUILT LOCATION OF THE ORIGINAL INGLE CREEK ROAD ALIGNMENT. WE MADE FIELD MEASUREMENTS TO LOCATE THE REMAINS OF THIS SAME ROAD BED ON THE GROUND, THE CENTERLINE OF WHICH IS SHOWN HEREON.

ON DECEMBER 12, 1963, THE COUNTY ACQUIRED ANOTHER 60 FOOT RIGHT OF WAY CROSSING THE SUBJECT PROPERTY IN DEED BOOK 90 PAGE 1. THE ALIGNMENT DESCRIBED THEREIN IS THE ROAD CURRENTLY IN USE BY THE PUBLIC AND MAINTAINED BY THE COUNTY TODAY.

AFTER SEARCHING THE AVAILABLE RESOURCES, I FOUND NO RECORD OF ANY VACATION OF THE OLD INGLE CREEK COUNTY ROAD ALIGNMENT. IT APPEARS THE OLD ROAD HAS NOT BEEN USED BY THE PUBLIC SINCE THE NEWER ROAD WAS CONSTRUCTED. LANDOWNERS HAVE PLACED LOCKED GATES WHERE THE OLD ROAD INTERSECTS PROPERTY LINES. I SPOKE WITH MARK HENSLEY, COUNTY ROADMASTER. HE HAD NO KNOWLEDGE OF THE ROAD EVER GOING THROUGH A FORMAL VACATION PROCESS, BUT INDICATED THAT AS FAR AS THE ROAD DEPARTMENT WAS CONCERNED, THE OLD ROAD HAS BEEN VACATED BY THE FACT THAT IT WAS RELOCATED IN 1964.

I ACCEPT THE FOUND APPURTENANT MONUMENTS FOR THIS SURVEY, UNLESS PREVIOUSLY DISCUSSED. NEW MONUMENTS WERE SET AT LOCATIONS ACCORDING TO DEED AND SURVEY RECORD, AND ACCORDING TO THE EVIDENCE FOUND.

SEE CORNER RESTORATION SHEETS FILED SEPARATELY FOR DETAILS CONCERNING NEW MONUMENTS SET AT THE 1/16TH CORNERS AND NEW ACCESSORIES TAKEN.

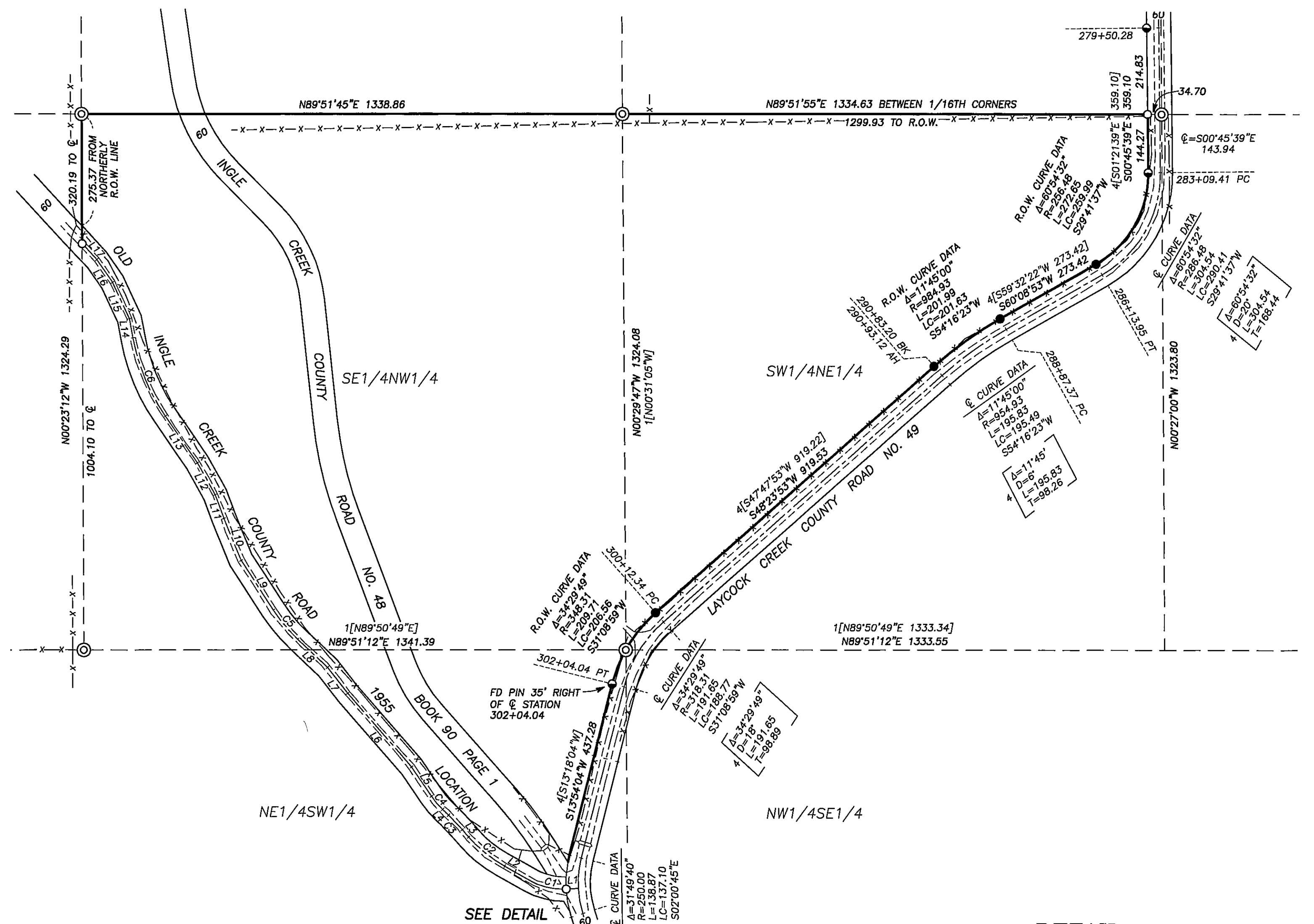
BASIS OF BEARINGS

RECORD MAP OF SURVEY NO. 1154 AS SHOWN



LEGEND

- FOUND 1/2" GALV. IRON PIPE WITH ATTACHED GRANT COUNTY SURVEYOR BRASS CAP
- FOUND MONUMENT AS NOTED
- FOUND A 1.5 FT. DIAMETER PONDEROSA PINE LINE TREE AND ACCESSORIES FROM SURVEY NO. 1125
- FOUND 5/8" IRON PIN WITH ATTACHED YELLOW PLASTIC CAP MARKED HANLEY ENG PLS 1206 FROM SURVEY NO. 1923
- FOUND 5/8" IRON PIN WITH NO CAP FROM SURVEY NO. 1923
- SET 5/8"x30" IRON PIN WITH ATTACHED 2" ALUMINUM CAP MARKED BENCHMARK LAND SURVEYING, AND WITH APPROPRIATE 1/4 OR 1/16 CORNER DESIGNATIONS SEE CORNER RESTORATION RECORDS FOR DETAILS
- SET 5/8"x30" IRON PIN WITH ATTACHED YELLOW PLASTIC CAP MARKED BENCHMARK SURVEYING
- () G.L.O. RECORD BEARING AND DISTANCE
- [] RECORD BEARING AND DISTANCE FROM SURVEY NO. 1125
- 1[] RECORD BEARING AND DISTANCE FROM SURVEY NO. 1134
- 2[] RECORD BEARING AND DISTANCE FROM SURVEY NO. 1154
- 3[] RECORD BEARING AND DISTANCE FROM SURVEY NO. 1737
- 4[] RECORD BEARING AND DISTANCE FROM SURVEY NO. 1923
- x-x FENCE LINE
- CATTLE GUARD



DETAIL

SCALE: 1"=60'

REFERENCES

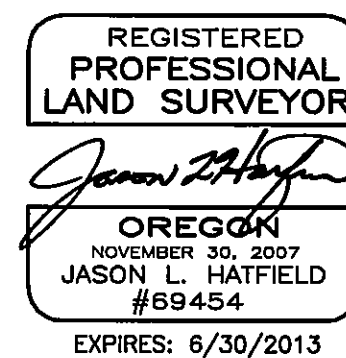
- RECORD MAP OF SURVEY NO.'S 5S, 6S, 1125, 1134, 1154, 1737 AND 1923
- SURVEY RECORD BOOK 1, PAGES 14-15
- GRANT COUNTY SURVEYOR CORNER RESTORATION RECORDS
- DEED RECORD INSTRUMENT NO.'S 982771, 210306, 212026, 030016 & 200473
- GRANT COUNTY ROAD DEPARTMENT FILES
- DEED RECORD BOOK 38 PAGE 96
- BOOK 73 PAGE 477
- BOOK 73 PAGE 526
- BOOK 80 PAGE 608
- BOOK 90 PAGE 1
- BOOK 103 PAGES 580
- BOOK 103 PAGES 581
- BOOK 103 PAGES 582

CURVE TABLE

CURVE	RADIUS	DELTA	LENGTH	LONG CHORD BEARING-DIST.
C1	163.00	32°39'57"	92.53	N77°03'02"W 91.68
C2	350.00	19°59'05"	122.08	N50°43'31"W 121.46
C3	500.00	5°35'10"	48.75	N43°31'33"E 48.73
C4	200.00	12°17'10"	42.89	S40°10'33"E 42.80
C5	400.00	1°33'14"	94.62	S39°59'10"E 94.40
C6	500.00	2°40'36"	210.11	S22°43'16"E 208.56
C7	280.00	3°11'17"	15.58	S16°19'08"E 15.58
C8	280.00	11°21'19"	55.49	S09°03'39"E 55.40
C9	280.00	6°07'44"	29.95	S07°19'08"E 29.94
C10	280.00	7°30'41"	36.71	S06°30'05"W 36.68
C11	280.00	3°38'39"	17.81	S12°04'45"W 17.81
C12	250.00	14°32'35"	63.46	S10°39'18"E 63.29
C13	250.00	17°17'04"	75.42	S05°15'32"W 75.13

LINE TABLE

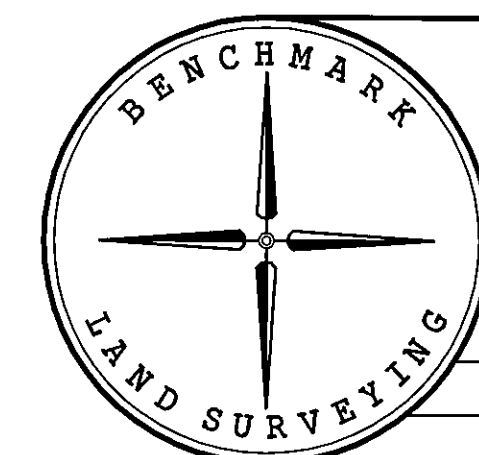
LINE	BEARING	DIST.
L1	S86°37'00"W	30.00
L2	N60°43'03"W	72.27
L3	N40°43'58"W	17.84
L4	N46°19'08"W	20.46
L5	N34°01'58"W	88.49
L6	N41°08'54"W	240.82
L7	N37°53'38"W	81.31
L8	N46°45'47"W	101.19
L9	N33°12'33"W	146.17
L10	N22°25'42"W	112.43
L11	N20°09'42"W	62.19
L12	N29°16'21"W	90.19
L13	N34°45'34"W	140.44
L14	N10°40'58"W	48.32
L15	N24°52'33"W	99.63
L16	N35°15'33"W	66.45
L17	N42°23'21"W	53.23



REGISTERED AND FILED
GRANT COUNTY SURVEYOR

AUG 1 2011

BY: *[Signature]*



BENCHMARK LAND SURVEYING
217 N. CANYON BLVD. JOHN DAY, OREGON
2101 MAIN STREET, STE 223 BAKER CITY, OREGON
541-575-1251 ~ 800-699-0516

MAP OF SURVEY
DEPENDENT RESURVEY AND SUBDIVISION
OF SECTION 23, T.14S., R.30E., W.M.,
GRANT COUNTY, OREGON

SURVEYED FOR	DAN O'BRIEN
SURVEYED BY	JLH & MCS
SCALE: 1"=200'	DRAWN BY: JLH
	7/7/2011