UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF THE

FIFTH STANDARD PARALLEL SOUTH,
THROUGH A PORTION OF RANGE 54 EAST,

AND

A PORTION OF THE SUBDIVISIONAL LINES,

AND

THE SUBDIVISION OF SECTION 34,

TOWNSHIP 20 SOUTH, RANGE 54 EAST,

OF THE MOUNT DIABLO MERIDIAN,

IN THE STATE OF NEVADA

EXECUTED BY

Brock R. Clifford, Cadastral Surveyor

Under Special Instructions dated June 7, 2010,

and approved June 7, 2010,

which provided for the surveys included under Group No. 897,

and Assignment Instructions dated June 9, 2010.

Survey commenced June 15, 2010
Survey completed February 20, 2011

INDEX DIAGRAM

TOWNSHIP 20 SOUTH, RANGE 54 EAST, MOUNT DIABLO MERIDIAN, NEVADA

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TOWNSHIP 20 SOUTH, RANGE 54 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS

The following field notes are those of the dependent resurvey of the Fifth Standard Parallel South, through a portion of Range 54 East, and a portion of the subdivisional lines, and the subdivision of Section 34, Township 20 South, Range 54 East, Mount Diablo Meridian, Nevada.

The Fifth Standard Parallel South, through Range 54 East, the north, east and west boundaries and the subdivisional lines were surveyed by U.S. Deputy Surveyor T. Binge in 1881 under Contract No. 114. The standard corner of Townships 20 South, Ranges 53 and 54 East, was remonumented by E.K. Kimmel, U.S. Surveyor, on May 4, 1926. A portion of the south boundary (Fifth Standard Parallel South) was dependently resurveyed by Cadastral Engineer G.M. Litz in 1948 under Group No. 350. A portion of the south boundary (Fifth Standard Parallel South) and a portion of the subdivisional lines were dependently resurveyed and section 32 was subdivided by Cadastral Surveyor N.R. Forsyth in 1990 under Group No. 685. A portion of the south boundary (Fifth Standard Parallel South) and a portion of the subdivisional lines were dependently resurveyed, section 33 was subdivided and a metesand-bounds survey in section 33 was executed by Cadastral Surveyor R.A. Zaninovich in 1997 under Group No. 771. A portion of the subdivisional lines were dependently resurveyed and a metes-and-bounds survey in section 32 was executed by Cadastral Surveyor R.A. Zaninovich in 1999 under Group No. 779. A portion of the south boundary (Fifth Standard Parallel South) was dependently resurveyed by Cadastral Surveyor R.A. Zaninovich and Surveying Technician C.W. Morrow from 2001-06 under Group No. 799.

Before restoring the corners, the lines of the original surveys were retraced and a diligent search made for any evidence of the original corners and other calls of the original field note record.

In order to simplify the record, the true line notes only are supplied herewith, which refer to the completed survey.

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 2009, and the Special Instructions for Group No. 897, dated June 7, 2010.

Measurements were made with Trimble R8-2 Global Positioning System (GPS) receivers using the real-time kinematic (RTK) method and refer to the true meridian based on geodetic methods. The mean bearings of the lines and horizontal equivalents of ground distances only are entered in the field notes.

The geographic positions, in NAD83 (CORS96),(2002) for the corners below were determined by GPS static observations processed by the National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuous Operating Reference Stations (CORS) NVPO MT.POTOSI CORS ARP, NVTP TROPICANA CORS ARP, NVCA CARLTON SQUARE 2 CORS ARP and carried forward by RTK observations.

The standard corner of secs. 33 and 34, on the south boundary of the township, is as follows:

Latitude: 36°09'39.759" N. Longitude: 115°54'20.197" W.

TOWNSHIP 20 SOUTH, RANGE 54 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS The corner of secs. 26, 27, 34 and 35 is as follows: Latitude: 36°10'33.628" N. Longitude: 115°53'13.006" W. The June 21, 2010 mean magnetic declination was determined to be 12°37' E., as obtained from the National Oceanic and Atmospheric Administration's declination calculator. DEPENDENT RESURVEY OF THE FIFTH STANDARD PARALLEL SOUTH, THROUGH A PORTION OF RANGE 54 EAST, MOUNT DIABLO MERIDIAN, NEVADA Reestablishment of the Survey Executed by U.S. Deputy Surveyor T. Binge in 1881 Beginning at the standard cor. of secs. 34 and 35, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, flush in a collar of stone, with brass cap mkd. as described in the field notes of the 2001-06 dependent resurvey of the Fifth Standard Parallel South, through a portion of Range 54 East, executed under Group No. 799. N. $89^{\circ}59'20''$ W., on the S. bdy. of sec. 34. Gradual descent, through creosote and scattered cacti. 33.95 Toe of dirt and rock berm, 10 ft. high, bears S. 78° E. and N. 78° W. Continue over dirt and rock berm. Toe of dirt and rock berm, 10 ft. high, bears N. 40° E. and S. 40° W. 38.10 Continue gradual descent, through creosote and scattered cacti. 38.457 The 1/4 sec. cor. of sec. 3, T. 21 S., R. 54 E., established by person(s) unknown, perpetuated by Kay L. Adams, Nevada Professional Land Surveyor No. 2050, in 1973, monumented with a rebar, 5/8 in. diam., firmly set, 2 ins. below the ground, with aluminum cap mkd. VTN ENGR CO RLS 2050, with a limestone, 12x8x8 ins., mkd. 1/4 on one side, laying loose alongside, as recorded in Clark County, Nevada, File 26, Page 29 of Surveys, filed as Instrument No. 301280. 40.900 The standard 1/4 sec. cor. of sec. 34, reestablished by Kay L. Adams, Nevada Professional Land Surveyor No. 2050, in 1973, monumented with a rebar, 5/8 in. diam., firmly set flush with the ground, with aluminum cap mkd. VTN ENGR CO RLS 2050, as recorded in Clark County, Nevada, File 26, Page 29 of Surveys, filed as Instrument No. 301280, and is accepted as a careful and faithful reestablishment of the position of the original corner. At the corner point Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, over a plastic-encased magnet, and in a collar of stone, with brass cap mkd.

DEPENDENT RESURVEY OF THE FIFTH STANDARD PARALLEL SOUTH, THROUGH A PORTION OF RANGE 54 EAST, MOUNT DIABLO MERIDIAN, NEVADA

	MOONT DIADEO MERIDIAN, NEVADA
CHAINS	SC
	T20S R54E
	1/4 S34
	2010
	Insert the rebar inside the stainless steel post.
	N. 89°57'40" W., beginning new measurement.
	Over nearly level land, through creosote and scattered cacti.
18.90	Power transmission line, bears S. 43° E. and N. 43° W.
19.50	Power transmission line, bears S. 46° E. and N. 46° W.
20.441	The standard W 1/16 sec. cor. of sec. 34, monumented with a rebar, 5/8 in. diam., firmly set flush with the ground, with aluminum cap mkd. R L Hafen RLS4428, recovered by Gregory D. Rivero, Nevada Professional Land Surveyor No. 6902, in 2003, as recorded in Nye County, Nevada, filed as Instrument No. 567938, and is accepted as a careful and faithful determination of the position of the corner.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, over a plastic-encased magnet, and in a collar of stone, with brass cap mkd.
	sc
	S34
	W 1/16
	2010
	Insert the rebar inside the stainless steel post.
	N. 89°57'40" W., beginning new measurement.
	Over nearly level land, through creosote and scattered cacti.
13.40	Power transmission line, bears S. 36° E. and N. 36° W.
13.70	Graveled road, 36 lks. wide, bears S. 36° E. and N. 36° W.
16.30	Center of asphalt surface, Nevada State Route 160, 50 lks. wide, bears SE. and NW.
18.096	From this point, the closing cor. of secs. 3 and 4, T. 21 S., R. 54 E., bears NORTH, 0.024 chs. dist., monumented with a metal tag set in a concrete post, 6 ins. diam., projecting 3 ins. above the ground, with tag mkd. RE 305, no map record found, accepted by Kay L. Adams, Nevada Professional Land Surveyor No. 2050, in 1973, as recorded in Clark County, Nevada, File 26, Page 29 of Surveys, filed as Instrument No. 301280.

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DEPENDENT RESURVEY OF THE FIFTH STANDARD PARALLEL SOUTH, THROUGH A PORTION OF RANGE 54 EAST, MOUNT DIABLO MERIDIAN, NEVADA

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	пА	т	IA	D

20.441

The standard cor. of secs. 33 and 34, perpetuated by Kay L. Adams, Nevada Professional Land Surveyor No. 2050, in 1973, monumented with a rebar, 5/8 in. diam., firmly set 2 ins. below the ground, with aluminum cap mkd. VTN ENGR CO RLS 2050, as shown on Sheet No. 3 of 3 Sheets, Calvada Valley Unit No. 9A, recorded in Nye County, Nevada, filed as Instrument No. 36870. This corner was accepted as a careful and faithful remonumentation of the position of the original corner in the 1997 dependent resurvey executed under Group No. 771.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.

SC T20S R54E S33 S34

2010

Insert the rebar inside the stainless steel post.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES, T. 20 S., R. 54 E., MOUNT DIABLO MERIDIAN, NEVADA

Reestablishment of the Survey Executed by U.S. Deputy Surveyor T. Binge in 1881

From the standard cor. of secs. 34 and 35, on the S. bdy. of the Tp., hereinbefore described.

N. $3^{\circ}09'50''$ E., bet. secs. 34 and 35.

Over gently rolling land, through creosote and scattered cacti.

- 7.35 Power transmission line, bears S. 67° E. and N. 67° W.
- 42.152

The 1/4 sec. cor. of secs. 34 and 35, monumented with a rebar, 5/8 in. diam., firmly set, projecting 2 ins. above the center of an eroded mound of earth, with aluminum cap mkd. VTN ENGR RLS 2050, no map record found, with a limestone, 9x9x6 ins. (record, granite, 18x9x7 ins.), mkd. 1/4 on one side, laying alongside the rebar. This is accepted as a careful and faithful perpetuation of the position of the original corner.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 16 ins. in the ground, over a plastic-encased magnet, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T20S R54E 1/4 S34 | S35

2010

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES, T. 20 S., R. 54 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	Insert the rebar inside the stainless steel post and bury the mkd. stone alongside.
	N. 0°52'10" W., beginning new measurement.
	Over gently rolling land, through creosote and scattered cacti.
40.502	The cor. of secs. 26, 27, 34 and 35, monumented with a rebar, 5/8 in. diam., firmly set in the center of an eroded mound of earth, with aluminum cap mkd. VTN ENGR CO RLS 2050, no map record found, with a limestone, 12x10x7 ins. (record, granite, 22x10x7 ins.), mkd. with one notch on one edge and 2 notches on another edge, laying alongside. This is accepted as a careful and faithful perpetuation of the position of the original corner.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 16 ins. in the ground, over a plastic-encased magnet, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.
	T20S R54E S27 S26
	S34 S35
	2010
	Insert the rebar inside the stainless steel post and bury the mkd. stone alongside.
	S. 89°19'50" W., bet. secs. 27 and 34.
	Over gently rolling land, through creosote and scattered cacti.
40.850	The 1/4 sec. cor. of secs. 27 and 34, monumented with a rebar, 5/8 in. diam., firmly set, projecting 2 ins. above the center of an eroded mound of earth, with aluminum cap mkd. VTN ENGR CO RLS 2050, no map record found, with a limestone, 10x9x9 ins. (record, granite, 18x12x8 ins.), mkd. 1/4 on one side, laying alongside. This is accepted as a careful and faithful perpetuation of the position of the original corner.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 16 ins. in the ground, over a plastic-encased magnet, and in a mound of stone, with brass cap mkd.
	T20S R54E S27 1/4
	S34
	2010
	Insert the rebar inside the stainless steel post and bury the mkd. stone alongside.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES, T. 20 S., R. 54 E., MOUNT DIABLO MERIDIAN, NEVADA

	T. 20 S., R. 54 E., MOUNT DIABLO MERIDIAN, NEVADA
CHAINS	S. 88°51'40" W., beginning new measurement.
	Over gently rolling land, through creosote and scattered cacti.
20.244	Point for the W $1/16$ sec. cor. of secs. 27 and 34.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 16 ins. in the ground, over a plastic-encased magnet, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.
	$W 1/16 \frac{S27}{S34}$
	2010
21.50	Wash, 10 lks. wide, drains S. 8° E.
40.21	Dirt road, 15 lks. wide, bears N. 8° E. and S. 8° W.
40.488	The cor. of secs. 27, 28, 33 and 34, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above the ground, in a collar of stone, with brass cap mkd. as described in the field notes of the 1997 dependent resurvey of a portion of the subdivisional lines, executed under Group No. 771.
	SUBDIVISION OF SECTION 34, T. 20 S., R. 54 E., MOUNT DIABLO MERIDIAN, NEVADA
	From the standard 1/4 sec. cor. of sec. 34, on the S. bdy. of the Tp.
	N. 1°13'30" E., on the N-S center line of sec. 34.
	Over gently rolling land, through creosote and scattered cacti.
20.649	Point for the C-S 1/16 sec. cor. of sec. 34.
	POINT NOT MONUMENTED
24.70	Power transmission line, bears S. 67° E. and N. 67° W.
41.298	Point for the center 1/4 sec. cor. of sec. 34, at intersection with the E-W center line.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.
:	T20S R54E
	C 1/4 S34
00 117	2010
82.117	The 1/4 sec. cor. of secs. 27 and 34.
	l l

SUBDIVSION OF SECTION 34, T. 20 S., R. 54 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	From the 1/4 sec. cor. of secs. 34 and 35.
	S. 88°55'50" W., on the E-W center line of sec. 34.
	Over gently rolling land, through creosote and scattered cacti.
42.348	The center 1/4 sec. cor. of sec. 34.
62.038	The C-W 1/16 sec. cor. of sec. 34, monumented with a rebar, 5/8 in. diam., firmly set, projecting 2 ins. above the ground, with aluminum cap mkd. RL HAFEN RLS 4428, no map record found. This is accepted as a careful and faithful determination of the position of the corner.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, over a plastic-encased magnet, and in a collar of stone, with brass cap mkd.
	W 1/16
	C——C S34
	2010
	Insert the rebar inside the stainless steel post.
	S. 88°55'10" W., beginning new measurement.
	Over gently rolling land, through creosote and scattered cacti.
17.87	Power transmission line, bears S. 67° E. and N. 67° W.
19.701	The 1/4 sec. cor. of secs. 33 and 34, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, flush in a collar of stone, with brass cap mkd. as described in the field notes of the 1997 dependent resurvey of a portion of the subdivisional lines, executed under Group No. 771.
	From the standard W $1/16$ sec. cor. of sec. 34, on the S. bdy. of the Tp.
	N. 2°17'30" E., on the N-S center line of the SW1/4 of sec. 34.
	Over gently rolling land, through creosote and scattered cacti.
17.60	Gravel road, 39 lks. wide, bears N. 86° E. and S. 86° W.
20.469	The SW 1/16 sec. cor. of sec. 34, monumented with a rebar, 5/8 in. diam., firmly set, projecting 1 in. above the ground, with aluminum cap mkd. RL HAFEN RLS 4428, no map record found. This is accepted as a careful and faithful determination of the position of the corner.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, over a plastic-encased magnet, and in a collar of stone, with brass cap mkd.

SUBDIVSION OF SECTION 34, T. 20 S., R. 54 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	SW 1/16 S34
	2010
	N. 2°17'30" E., beginning new measurement.
	Over gently rolling land, through creosote and scattered cacti.
12.64	Power transmission line, bears S. 67° E. and N. 67° W.
20.471	The C-W 1/16 sec. cor. of sec. 34.
	From the point for the C-S 1/16 sec. cor. of sec. 34.
	S. $89^{\circ}29'40"$ W., on the E-W center line of the SW1/4 of sec. 34.
	Over gently rolling land, through creosote and scattered cacti.
20.066	The SW 1/16 sec. cor. of sec. 34.
	S. 89°29'40" W., beginning new measurement.
	Over gently rolling land, through creosote and scattered cacti.
20.065	The S 1/16 sec. cor. of secs. 33 and 34, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set in a collar of stone, with brass cap mkd. as described in the field notes of the 1997 dependent resurvey of a portion of the subdivisional lines, executed under Group No. 771.
	From the C-W 1/16 sec. cor. of sec. 34.
	N. 0°26'50" E., on the N-S center line of the NW1/4 of sec. 34.
40.777	The W 1/16 sec. cor. of secs. 27 and 34.
	GENERAL DESCRIPTION
	The lands included in this survey are located about 3 miles southeast of Pahrump, Nevada. The boundary line between Clark and Nye Counties traverses northerly and southerly through section 34. The average elevation of the area surveyed is about 2700 feet above sea level and generally drains to the southwest. Vegetation consists of creosote brush and scattered cacti. Nevada State Route 160 passes through the SW1/4 of section 34.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Joseph J. Johnson

Cadastral Surveyor

Anthony A. Beliew

Student Trainee (Land Surveying)

Jose A. Serna

Student Trainee (Land Surveying)

CERTIFICATE OF SURVEY

I, Brock R. Clifford, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing the date of the 7th day of June, 2010, I have dependently resurveyed the Fifth Standard Parallel South, through a portion of Range 54 East, and a portion of the subdivisional lines, and subdivided section 34, Township 20 South, Range 54 East, of the Mount Diablo Meridian, in the State of Nevada, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said special instructions, the Manual of Surveying Instructions and in specific manner described in the foregoing field notes.

April 4, 2011

Date

Brost R. C. Alan Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT Reno, Nevada

The foregoing field notes of the dependent resurvey of the Fifth Standard Parallel South, through a portion of Range 54 East, and a portion of the subdivisional lines, and the subdivision of section 34, Township 20 South, Range 54 East, of the Mount Diablo Meridian, in the State of Nevada, executed by Brock R. Clifford, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

April 19, 2011

Date

Chief Cadastral Surveyor for Nevada

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above described surveys in Township 20 South, Range 54 East, Mount Diablo Meridian, Nevada, is a true copy of the original field notes.

Date-

Chiof Cadactral Surveyor for Novada