UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF

A PORTION OF THE SUBDIVISION LINES,
THE FURTHER SUBDIVISION OF SECTION 8

AND

A METES-AND-BOUNDS SURVEY OF A PORTION OF THE
CENTERLINE OF LAS VEGAS BOULEVARD IN SECTION 8,
TOWNSHIP 23 SOUTH, RANGE 61 EAST,
OF THE MOUNT DIABLO MERIDIAN,
IN THE STATE OF NEVADA

### EXECUTED BY

Dennis H. Jensen, Professional Land Surveyor, Nevada

Under Contract No. NDC060022,

And

Brock R. Clifford, Cadastral Surveyor

Under Special Instructions dated August 24, 2007,
and approved August 24, 2007,
which provided for the surveys included under Group No. 859,
and Assignment Instructions dated October 22, 2007
and February 4, 2009.

Survey commenced November 6, 2007 Survey completed March 13, 2009

### 067

### INDEX DIAGRAM

TOWNSHIP 23 SOUTH, RANGE 61 EAST, MOUNT DIABLO MERIDIAN, NEVADA

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### TOWNSHIP 23 SOUTH, RANGE 61 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS

The following field notes are those of the dependent resurvey of a portion of the subdivisional lines, the further subdivision of section 8 and a metes-and-bounds survey of a portion of the centerline of Las Vegas Boulevard in section 8, Township 23 South, Range 61 East, Mount Diablo Meridian, Nevada.

The west boundary was surveyed by U.S. Deputy Surveyors J.M. Brunt and W.H. Proctor in 1881 under Contract No. 115. The north, south and east boundaries and subdivisional lines were surveyed by U.S. Deputy Surveyors J.M. Brunt and W.H. Proctor in 1881 under Contract No. 127. The south and west boundaries and a portion of the subdivisional lines were dependently resurveyed by Cadastral Cartographer H.G. Parker in 1956 under Group No. 364. A portion of the subdivisional lines were retraced and certain sections were subdivided by Cadastral Surveyor P.K. Russell in 1957 under Group No. 364. Other surveys remote to the area are not included in the history.

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

The rules of proportionate measurement were applied in order to ascertain the position of lost corners, after completing the necessary retracements to connect with identified corner locations. 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, 1973, and the Special Instructions for Group No. 859, dated August 24, 2007.

Measurements were made with Trimble 4700 and 5700 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 NAD 83 (CORS 96) geographic position of the corner of sections 8, 9, 16 and 17, determined from GPS static observations processed from the National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) NVOP MT. POTOSI CORS ARP, NVCA CARLTON SQUARE 2 CORS ARP and NVLM AMS WT FACILITY CORS ARP, in 2007, and carried forward by RTK observations, is as follows:

Latitude: 35°57'17.882" N. Longitude: 115°10'20.557" W.

The mean magnetic declination is  $13^{\circ}30'$  E., as shown on U.S.G.S. 7 1/2 minute quadrangle map "SLOAN, NEV.", Provisional Edition 1989.

### DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES, T. 23 S., R. 61 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS

Reestablishment of a Portion of the Survey Executed by U.S. Deputy Surveyors J.M. Brunt and W.H. Proctor in 1881, and a Portion of the Dependent Resurvey Executed by Cadastral Cartographer H.G. Parker in 1956

Beginning at the cor. of secs. 8, 9, 16 and 17, monumented with an unrecorded rebar, 5/8 in. diam., firmly set 8 ins. below the surface, with aluminum cap mkd. RLS 2050. This position has been adopted by numerous previous professional land surveyors on multiple recorded surveys and is accepted as the best available evidence of the position of the 1956 corner.

from which

A magnetic nail, 2 ins. long, 1/4 in. diam., driven flush with the asphalt surface, on the W. side of a driveway, bears N.  $87^{\circ}28'$  E., 74.6 lks. dist.

A magnetic nail, 2 ins. long, 1/4 in. diam., driven flush with the asphalt surface, on the NW. side of a turnout, bears S.  $37^{\circ}52'$  E., 52.4 lks. dist.

A brass tablet, 3 1/4 ins. diam., 3 1/2-in. stem, cemented in a drill hole in the SE. cor. of a concrete pad of an electrical box, set for a reference monument, bears N. 30°05' W., 86.2 lks. dist., mkd. RM T23S R61E S8 56.9 FT TO COR 2009 and an arrow pointing to the corner.

Corner is located on the north side of Larson Lane,  $3\ \text{ft.}$  north of the asphalt surface.

N.  $0^{\circ}24'00"$  W., bet. secs. 8 and 9.

5.135

The S-S-S 1/256 sec. cor. of secs. 8 and 9, monumented with an unrecorded rebar, 5/8 in. diam., 24 ins. long, firmly set, projecting 10 ins. above the ground, with aluminum cap mkd. PLS 13384. 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., 21 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.

S-S-S 1/256 S 8 | S 9

2008

Insert the rebar inside the stainless steel post.

Corner is located in a chain-link fence, bears  ${\tt N.}$  and  ${\tt S.}$ 

N. 0°24'00" W., beginning new measurement.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES, T. 23 S., R. 61 E., MOUNT DIABLO MERIDIAN, NEVADA

### CHAINS

5.135

The S-S 1/64 sec. cor. of secs. 8 and 9, determined by Ben Lewis, Nevada Professional Land Surveyor No. 1553, monumented with a rebar, 5/8 in. diam., 24 ins. long, firmly set, projecting 3 ins. above ground, with plastic cap mkd. RLS 1553, as recorded in Clark County, Nevada, File 49, Page 17 of Surveys, Instrument No. 19880815-00603. 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., 24 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.

S-S 1/64 S 8 S 9

2008

Insert the rebar inside the stainless steel post.

Corner is located NW., 0.8 lks. of a chain-link fence corner, with fences extending S. and E.

N.  $0^{\circ}25'20"$  W., beginning new measurement.

9.80 Power transmission line, bears E. and W.

10.271

The S 1/16 sec. cor. of secs. 8 and 9, determined by Dirk A. Roeller, Nevada Professional Land Surveyor No. 7622, monumented with a triangular iron rod, 5/8 in. on each side, 24 ins. long, firmly set 4 ins. below the ground, with aluminum cap mkd. RLS 7622, as recorded in Clark County, Nevada, File 51, Page 18 of Surveys, Instrument No. 19890404-00937. This is accepted as a careful and faithful determination of the position of the corner.

from which

A brass tablet, 3 1/4 ins. diam., 3 1/2-in. stem, cemented in a drill hole in the W. cor. of a concrete base pad of a transmission tower, set for a reference monument, bears S.  $54^{\circ}58'$  E., 83.0 lks. dist., mkd. RM S 1/16 S9 54.8 FT TO COR 2009 and an arrow pointing to the corner.

A brass tablet, 3 1/4 ins. diam., 3 1/2-in. stem, cemented in a drill hole in the S. cor. of a concrete base pad of a billboard signpost, set for a reference monument, bears S.  $54^{\circ}41'$  W., 58.2 lks. dist., mkd. S 1/16 S8 38.4 FT TO COR 2009 and an arrow pointing to the corner.

N. 0°25'20" W., beginning new measurement.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES, T. 23 S., R. 61 E., MOUNT DIABLO MERIDIAN, NEVADA

	T. 23 S., R. 61 E., MOUNT DIABLO MERIDIAN, NEVADA			
CHAINS				
20.54	The 1/4 sec. cor. of secs. 8 and 9, determined by person(s) unknown, monumented with a rebar, 5/8 in. diam., firmly set 1 in. below the asphalt surface. This position has been adopted by numerous professional land surveyors on multiple recorded surveys and is accepted as the best available evidence of the position of the 1956 corner.			
	Corner is located at the center of Dale Avenue, asphalt-surfaced, bears E. and W.			
	From the cor. of secs. 8, 9, 16 and 17.			
	N. 89°29'50" W., bet. secs. 8 and 17.			
6.40	Center of Las Vegas Boulevard, 40 lks. wide, bears N. 17° E. and S. 17° W.			
20.06	The E 1/16 sec. cor. of secs. 8 and 17, determined by Ralph E. Watson, Nevada Professional Land Surveyor No. 4094, monumented with a rebar, 5/8 in. diam., firmly set, projecting 2 ins. above the ground, with aluminum cap mkd. W.E.C. RLS 4094, as recorded in Clark County, Nevada, File 170, Page 94 of Surveys, Instrument No. 20080110-01691. This is accepted as a careful and faithful determination of the position of the corner.			
	from which			
	A Magnetic nail, 1/4 in. diam., 2 ins. long, with shiner, driven into a wooden power pole, 24 ins. diam., at a point 1 ft. above the ground, bears N. 37°12' E., 59.4 lks. dist.			
	A brass tablet, 3 1/4 ins. diam., 3 1/2-in. stem, cemented in a drill hole in the concrete base pad of a transmission tower, set for a reference monument, bears N. 48°03' W., 62.3 lks. dist., mkd. E 1/16 S8 41.1 FT TO COR 2009 and an arrow pointing to the corner.			
	N. 89°29'50" W., beginning new measurement.			
20.05	The 1/4 sec. cor. of secs. 8 and 17, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above a mound of stone, 3 ft. base, 1 1/2 ft. high, with brass cap mkd. as described in the field notes of the dependent resurvey of T. 23 S., R. 61 E., executed under Group No. 346.			
	FURTHER SUBDIVISION OF SECTION 8, T. 23 S., R. 61 E., MOUNT DIABLO MERIDIAN, NEVADA			
	From the E 1/16 sec. cor. of secs. 8 and 17.			
	N. 0°21'30" W., on the N-S center line of the SE1/4 of sec. 8.			
5.10	The C-S-S-SE 1/256 sec. cor. of sec. 8, determined by Ralph E. Watson, Nevada Professional Land Surveyor No. 4094, monumented with a rebar, 5/8 in. diam., firmly set, projecting 1 in. above the ground, with aluminum cap mkd. RLS 4094 W.E.C.,			

## FURTHER SUBDIVISION OF SECTION 8, T. 23 S., R. 61 E., MOUNT DIABLO MERIDIAN, NEVADA

	T. 23 S., R. 61 E., MOUNT DIABLO MERIDIAN, NEVADA			
CHAINS	as recorded in Clark County, Nevada, File 170, Page 94 of Surveys, Instrument No. 20080110-01691. This is accepted as a careful and faithful determination of the position of the corner.			
	N. 0°21'30" W., beginning new measurement.			
15.326	The SE 1/16 sec. cor. of sec. 8, determined from accessories established by Danny E. Hill, Nevada Professional Land Surveyor No. 9389, as recorded in Clark County, Nevada, File 157, Page 36 of Surveys, Instrument No. 20060613-3869, perpetuating the position determined by Dirk A. Roeller, Nevada Professional Land Surveyor No. 7622, as recorded in Clark County, Nevada, File 51, Page 18 of Surveys, Instrument No. 19890404-00937, the corner monument was not recovered. This is accepted as the a careful and faithful determination of the position of the corner, from which the remaining accessories by Hill			
	A rebar, 5/8 in. diam., firmly set, projecting 2 ins. above the ground, with aluminum cap mkd. RM DIST 100.00 D HILL PLS 9389, bears N. 47°25' E., 151.5 lks. dist.			
	A rebar, 5/8 in. diam., firmly set, projecting 2 ins. above the ground, with aluminum cap mkd. RM DIST 50.00 D HILL PLS 9389, bears N. 47°25' E., 75.8 lks. dist.			
	A rebar, 5/8 in. diam., firmly set, projecting 2 ins. above the ground, with aluminum cap mkd. RM DIST 50.00 D HILL PLS 9389, bears N. 42°39' W., 75.8 lks. dist.			
	At the corner point			
	Set a brass tablet, 3 1/4 ins. diam., 3 1/2-in. stem, cemented in a drill hole in the asphalt surface, with top mkd.			
	SE 1/16 S 8			
	2008			
	Corner is located on the center of Welpman Avenue, asphalt-surfaced, bears E. and W.			
	N. 0°22'50" W., beginning new measurement.			
20.424	The center E 1/16 sec. cor. of sec. 8, reestablished by Thomas Ruschkewicz, Nevada Professional Land Surveyor No. 16442, monumented with a rebar, 5/8 in. diam., firmly set flush with the asphalt surface, with aluminum cap mkd. PLS 16442, as recorded in Clark County, Nevada, File 173, Page 4 of Surveys, Instrument No. 20080502-02260, based on the recorded measurements by Frederick W. Orban, Nevada Professional Land Surveyor No. 4541, as recorded in Clark County, Nevada, File 97, Page 49 of Surveys, Instrument No. 19980915-01104 and is accepted as a careful and faithful reestablishment of the position of the 1957 corner.			
	Corner is located in Dale Avenue, asphalt-surfaced, bears E. and W., 9.4 lks. S. of asphalt edge.			

## FURTHER SUBDIVISION OF SECTION 8, T. 23 S., R. 61 E., MOUNT DIABLO MERIDIAN, NEVADA

	T. 23 S., R. 61 E., MOUNT DIABLO MERIDIAN, NEVADA
CHAINS	From the S 1/16 sec. cor. of secs. 8 and 9.
	N. $89^{\circ}48'00$ " W., on the E-W center line of the SE1/4 of sec. 8.
2.40	Center of Las Vegas Boulevard, 80 lks. wide, bears N. 3° E. and S. 3° W.
20.040	The SE 1/16 sec. cor. of sec. 8.
	N. 89°49'40" W., beginning new measurement.
20.041	Point for the center S 1/16 sec. cor. of sec. 8, determined using three point control from the SE 1/16 sec. cor. of sec. 8, the 1/4 sec. cor. of secs. 8 and 17 and the SW 1/16 sec. cor. of sec. 8, based on the measurements by Sam Long, Nevada Professional Land Surveyor No. 9047, as recorded in Clark County, Nevada, File 95, Page 65 of Surveys, Instrument No. 19980518-00919. The Long cor. is accepted as a careful and faithful reestablishment of the position of the 1957 corner.
	POINT NOT MONUMENTED
	From this point, the SW 1/16 sec. cor. of sec. 8, determined by Sam Long, Nevada Professional Land Surveyor No. 9047, as recorded in Clark County, Nevada, File 95, Page 65 of Surveys, Instrument No. 19980518-00919, monumented with a rebar, 5/8 in. diam., firmly set, projecting 3 ins. above the ground, with aluminum cap laying alongside, mkd. PLS 9047 V.T.N., bears N. 89°46′50" W., 20.030 chs. dist.
	From this same point, the $1/4$ sec. cor. of secs. 8 and 17 bears S. $0^{\circ}19'40"$ E., $20.320$ chs. dist.
	From the S-S-S 1/256 sec. cor. of secs. 8 and 9.
	N. 89°34'20" W., on the computed E-W center line of the SE1/4SE1/4SE1/4 of sec. 8.
4.675	Point for a witness point, at intersection of the centerline of Las Vegas Boulevard with the computed E-W center line of the SE1/4SE1/4SE1/4 of sec. 8, hereinafter described.
6.256	A position established by Ralph E. Watson, Nevada Professional Land Surveyor No. 4094, monumented with a rebar, 5/8 in. diam., firmly set, projecting 2 ins. above the ground, with aluminum cap mkd. RLS 4094 W.E.C., as recorded in Clark County, Nevada, File 170, Page 94 of Surveys, Instrument No. 20080110-01691, not utilized during the course of this survey.
10.029	Point for C-S-SE-SE 1/256 sec. cor. of sec. 8, at its computed position.
	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.

## FURTHER SUBDIVISION OF SECTION 8, T. 23 S., R. 61 E., MOUNT DIABLO MERIDIAN, NEVADA

	T. 23 S., R. 61 E., MOUNT DIABLO MERIDIAN, NEVADA
CHAINS	S 8 C-S-SE-SE
	1/256
	2000
	2008
	N. 0°23'10" W. on a portion of the computed N-S center line of the SE1/4SE1/4 of sec. 8.
5.122	Point for the SE-SE 1/64 sec. cor. of sec. 8, at its computed position, falls in concrete at base of steel fence post.
	from which
	A brass tablet, 3 1/4 ins. diam., 3 1/2-in. stem, cemented in a drill hole in a concrete curb, set for a reference monument, bears S. 46°28' E., 22.9 lks. dist., with brass cap mkd. RM SE-SE 1/64 S8 15.1 FT TO COR 2008 and an arrow pointing to the corner.
	A brass tablet, 3 1/4 ins. diam., 3 1/2-in. stem, cemented in a drill hole in a concrete curb, set for a reference monument, bears S. 59°11' W., 30.1 lks. dist., with brass cap mkd. RM SE-SE 1/64 S8 19.9 FT TO COR 2008 and an arrow pointing to the corner.
	Corner falls in a chain-link fence, bears E. and W.
	S. 89°38'40" E. on a portion of the computed E-W center line of the SE1/4SE1/4 of sec. 8.
5.018	A position established by Ralph E. Watson, Nevada Professional Land Surveyor No. 4094, monumented with a rebar, 5/8 in. diam., firmly set, projecting 2 ins. above the ground, with aluminum cap mkd. RLS 4094 W.E.C., recorded in Clark County, Nevada, File 170, Page 94 of Surveys, Instrument No. 20080110-01691, not utilized during the course of this survey.
6.569	Point for a witness point, at intersection of the centerline of Las Vegas Boulevard with the computed E-W center line of the SE1/4SE1/4 of sec. 8, hereinafter described.
10.027	The S-S 1/64 sec. cor. of secs. 8 and 9.
	METES-AND-BOUNDS SURVEY OF A PORTION OF THE CENTERLINE OF LAS VEGAS BOULEVARD IN SECTION 8, T. 23 S., R. 61 E., MOUNT DIABLO MERIDIAN, NEVADA
	From the point for a witness point, at intersection of the centerline of Las Vegas Boulevard with the computed E-W center line of the SE1/4SE1/4SE1/4 of sec. 8, on a curve.
	Set a brass tablet, 3 1/4 ins. diam., 3 1/2-in. stem, cemented in a drill hole in asphalt, with top mkd.
1	

METES-AND-BOUNDS SURVEY OF A PORTION OF THE CENTERLINE OF LAS VEGAS BOULEVARD IN SECTION 8, T. 23 S., R. 61 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS
SSS — WP
S/8
SSS 2008

5.257

From this point, a Nevada Department of Transportation station utilized to determine the centerline bears S.  $26^{\circ}17'00"$  E., 4.419 chs. dist., monumented with a concrete post, 6x6 ins., firmly set, projecting 15 ins. above the ground, with steel wire in the top.

From this same point, a Nevada Department of Transportation station utilized to determine the centerline, bears S.  $48^{\circ}21'30"$  W., 5.976 chs. dist., monumented with a concrete post, 6x6x13 ins., projecting 1 in. above the ground, with steel screw in the top.

Thence on the centerline of Las Vegas Boulevard along the arc of a circular curve to the left having a radius of 4000.00 ft., to which a radial line bears S.  $74^{\circ}32'45"$  E.; the long chord of said arc bears N.  $12^{\circ}58'10"$  E., 5.256 chs. dist.

The point for a witness point, at intersection of the centerline of Las Vegas Boulevard with the computed E-W center line of the SE1/4SE1/4 of sec. 8, on a curve, to which a radial line bears S. 79°30'55" E.

Set a brass tablet, 3 1/4 ins. diam., 3 1/2-in. stem, cemented in a drill hole in asphalt, with top mkd.

$$SS = \frac{WP}{S / 8} SS$$

From this point, a Nevada Department of Transportation station utilized to determine the centerline, bears N.  $20^{\circ}58'15"$  E., 11.291 chs. dist., monumented with a concrete post, 6x6 ins., firmly set, projecting 15 ins. above the ground, with steel wire in the top.

From this same point, a position established 100 ft. perpendicular to the centerline of Las Vegas Boulevard by Ben Lewis, Nevada Professional Land Surveyor No. 1553, bears N. 8°44'30 W., 5.198 chs. dist., determined at the base of a rebar, 5/8 in. diam., firmly set 9 ins. below the surface, bent to the SE., with plastic cap mkd. RLS 1553, recorded in Clark County, Nevada, File 49, Page 17 of Surveys, Instrument No. 19880815-00603.

#### GENERAL DESCRIPTION

The average elevation of the area surveyed is about 2500 feet above sea level. General drainage is to the northeast.

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# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

### FIELD ASSISTANTS

Scott Krolik

Party Chief

Noel Soria

Chainman

### CERTIFICATE OF SURVEY

We, Dennis H. Jensen, Professional Land Surveyor, Nevada, and Brock R. Clifford, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of Special Instructions bearing date of the 24th day of August, 2007, we have dependently resurveyed a portion of the subdivisional lines, further subdivided section 8 and surveyed by metes-and-bounds a portion of the centerline of Las Vegas Boulevard in section 8, Township 23 South, Range 61 East, of the Mount Diablo Meridian, in the State of Nevada, which are represented in the foregoing field notes as having been executed by us and under our direction; and that said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

March 26, 2009	
(Date)	(Professional Land Surveyor, Nevada
April 1, 2009	Brock A. Children
(Date)	(Cadast <i>y</i> al Surveyor)

#### CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT Reno, Nevada

The foregoing field notes of the dependent resurvey of a portion of the subdivisional lines, the further subdivision of section 8 and a metes-and-bounds survey of a portion of the centerline of Las Vegas Boulevard in section 8, Township 23 South, Range 61 East, Mount Diablo Meridian, in the State of Nevada, executed by Dennis H. Jensen, Professional Land Surveyor, Nevada, and Brock R. Clifford, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

April 14, 2009
(Date)

CERTIFICATE OF TRANSCRIPT

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above described surveys in T. 23 S., R. 61 E., Mount Diablo Meridian, Nevada, is a true copy of the original field notes.

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(Date)	(Chief Cadastral Surveyor, Nevada)