

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF

A PORTION OF THE SUBDIVISIONAL LINES

AND

A METES-AND-BOUNDS SURVEY OF A PORTION OF

THE CENTERLINE OF U.S. HIGHWAY NO. 93,

TOWNSHIP 11 SOUTH, RANGE 63 EAST,

OF THE MOUNT DIABLO MERIDIAN,

IN THE STATE OF NEVADA

EXECUTED BY

Don R. Aschenbach, Cadastral Surveyor

Under Special Instructions dated May 5, 2008,

and approved May 5, 2008,

which provided for the surveys included under Group No. 863,

and Assignment Instructions dated June 10, 2008.

Survey commenced June 13, 2008

Survey completed June 15, 2008

INDEX DIAGRAM

TOWNSHIP 11 SOUTH, RANGE 63 EAST, MOUNT DIABLO MERIDIAN, NEVADA

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Metes-and-Bounds Survey of a Portion of the Centerline of
U.S. Highway No. 93 pp. 4 - 6.

TOWNSHIP 11 SOUTH, RANGE 63 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS

The following field notes are those of the dependent resurvey of a portion of the subdivisional lines and a metes-and-bounds survey of a portion of the centerline of U.S. Highway No. 93, Township 11 South, Range 63 East, Mount Diablo Meridian, Nevada.

The north, east, south and west boundaries and subdivisional lines were surveyed by U.S. Deputy Surveyors W.F. Benson and C.F. Putnam in 1881 under Contract No. 125. A portion of the west boundary and a portion of the subdivisional lines were dependently resurveyed and a portion of U.S. Highway No. 93 was surveyed by metes-and-bounds by Professional Land Surveyor (VTN Inc.) D.J. Passmore, and Cadastral Surveyor (BLM) C.L. Wanless in 2005-06 under Group No. 824. A portion of the west boundary was dependently resurveyed by Cadastral Surveyor D.R. Aschenbach in 2005-07 under Group No. 828.

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, 1973, and the Special Instructions for Group No. 863, dated May 5, 2008.

Measurements were made with Trimble 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 1983 (CORS 96) geographic position of the cor. of secs. 19, 20, 29 and 30, calculated from the geographic position determined in the 2005-06 dependent resurvey, for the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp., is as follows:

Latitude: 36°58'10.712" N. Longitude: 114°57'39.171" W.

The 1969 mean magnetic declination is 15 1/2° E., as shown on U.S.G.S. 7 1/2 minute quadrangle map "WILDCAT WASH NW, NEV." dated 1969.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 11 S., R. 63 E., MOUNT DIABLO MERIDIAN, NEVADA

Reestablishment of a Portion of the Survey Executed by
W.F. Benson and C.F. Putnam in 1881

Beginning at the cor. of secs. 19, 20, 29 and 30, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above ground, in a mound of stone, 4 ft. base to top, mkd. as described in the field notes of the dependent resurvey of a portion of the subdivisional lines of T. 11 S., R. 63 E., executed under Group No. 824.

N. 0°58'30" E., bet. secs. 19 and 20.

Over nearly level land.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 11 SOUTH, RANGE 63 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
16.70	Jeep trail on ridge, 20 lks. wide, bears SE. and NW.
30.80	Dry wash, 200 lks. wide, drains W.
39.036	<p>The 1/4 sec. cor. of secs. 19 and 20, perpetuated by Timothy J. Wolf, Nevada Professional Land Surveyor No. 9677, not recorded, monumented with a rebar, 12 ins. long, 5/8 in. diam., firmly set in a mound of stone, 4 ft. base, 1 ft. high, with aluminum cap mkd. ARTISAN 1/4 19 20 PLS 9677, with a basalt stone, 24x15x6 ins., mkd. 1/4 on a face, lying alongside. This is accepted as a careful and faithful perpetuation of the position of the original corner.</p> <p>At the corner point</p> <p>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 mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T11S R63E 1/4 S19 S20</p> <p style="text-align: center;">2008</p> <p>Deposit the original stone and rebar alongside the stainless steel post.</p> <p>From this cor., a fenced wildlife guzzler bears S. 63°07' W., 19.20 chs. dist.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 0°37'20" W., beginning new measurement.</p> <p>Over nearly level land.</p>
3.30	Enter flat, bears NE. and SW.
3.60	Dry wash, 50 lks. wide, drains SW.
20.70	Bladed dirt road, 20 lks. wide, bears E. and W.
25.20	Leave flat, bears NE. and SW.
28.00	Enter table land, bears E. and W.
39.521	<p>The cor. of secs. 17, 18, 19 and 20, perpetuated by Timothy J. Wolf, Nevada Professional Land Surveyor No. 9677, not recorded, monumented with a rebar, 12 ins. long, 5/8 in. diam., firmly set in a mound of stone, 2 ft. base, 1 ft. high, with aluminum cap mkd. ARTISAN 17 18 19 20 PLS 9677, with a basalt stone, 14x12x8 ins., mkd. with 5 grooves and 4 grooves on adjoining edges, lying alongside. This is accepted as a careful and faithful perpetuation of the position of the original corner.</p> <p>At the corner point</p> <p>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 mound of stone, 3 ft. base, to top, with brass cap mkd.</p>

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 11 SOUTH, RANGE 63 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
	T11S R63E S18 S17 S19 S20 2008
	Deposit the original stone and rebar alongside the stainless steel post. From this cor., a rebar, 5/8 in. diam., firmly set flush with the ground, with aluminum cap mkd. LAPS L65M E678 RLS 2708, bears N. 9°28'00" E., 0.379 chs. dist.
	<hr/> S. 89°36'50" W., bet. secs. 18 and 19. Over nearly level land.
16.80	Dirt road, 30 lks. wide, bears NE. and SW.
35.443	The 1/4 sec. cor. of secs. 18 and 19, monumented with a basalt stone, 14x7x5 ins., firmly set in a mound of stone, 3 ft. base, 1 ft. high, dimly mkd. 1/4 on S. face. 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.
	T11S R63E S18 1/4 <hr/> S19 2008
	Deposit the original stone alongside the stainless steel post.
	<hr/> N. 84°55'30" W., beginning new measurement. Over nearly level land.
10.40	Dry wash, 30 lks. wide, drains SW.
13.00	Dry wash, 30 lks. wide, drains SW.
31.20	Top of bluff, bears NE. and SW.
34.30	Enter flat, bears NE. and SW.
38.20	Dry wash, 20 lks. wide, drains SW.
39.00	Underground fiber optic line, bears N. and S.
39.60	Underground fiber optic line, bears N. and S.
41.875	Point for a witness point and intersection of the centerline of U.S. Highway No. 93, with the line bet. secs. 18 and 19, hereinafter described.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 11 SOUTH, RANGE 63 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS

43.583

The cor. of secs. 13, 18, 19 and 24, on the W. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set flush with the ground, with brass cap mkd. as described in the field notes of the dependent resurvey of a portion of the W. bdy. of T. 11 S., R. 63 E., executed under Group No. 824.

Cor. is located at the intersection of fences extending S. and W.

METES-AND-BOUNDS SURVEY OF A PORTION OF
THE CENTERLINE OF U.S. HIGHWAY NO. 93,
T. 11 S., R. 63 E., MOUNT DIABLO MERIDIAN, NEVADA

MEMORANDUM

The centerline of the right-of-way for U.S. Highway No. 93 was determined utilizing monuments set by the Nevada Department of Transportation and the description in the field notes of the right-of-way application NEV-061281, dated August 7, 1963.

From the witness point and intersection of the centerline of U.S. Highway No. 93, with the line bet. secs. 19 and 30, monumented with a PK nail and washer set flush with the asphalt surface, with washer mkd. as described in the field notes of the metes-and-bounds survey of a portion of U.S. Highway No. 93, T. 11 S., R. 63 E., executed under Group No. 824.

From this point, a Nevada Department of Transportation highway station, monumented with a standard Nevada Department of Transportation wood post, 4x4 ins. square, bears S. 86°31'50" E., 3.031 chs. dist.

From this same point, a Nevada Department of Transportation highway station utilized to determine alignment only of the centerline of the right-of-way, monumented with a standard Nevada Department of Transportation brass tablet, set in concrete, mkd. STA A 428+46.84 PC DIST 74.92 bears S. 87°09'40" E., 1.156 chs. dist.

From this same point, a Nevada Department of Transportation highway station, monumented with a standard Nevada Department of Transportation wood post, 4x4 ins. square, bears S. 78°49'20" W., 3.038 chs. dist.

Thence on the centerline of U.S. Highway No. 93, in sec. 19, along the arc of a circular curve to the right having a radius of 20,000.00 ft., to which a radial line bears S. 82°01'19" W., the chord of said arc bears N. 6°36'10" W., 14.545 chs. dist.

14.546

Point of Tangency.

POINT NOT MONUMENTED

From this point, a Nevada Department of Transportation highway station utilized to determine the centerline of the right-of-way, monumented with a standard Nevada Department of Transportation brass tablet, set in concrete, mkd. STA A 438+20.35 PT DIST 75.00 bears N. 84°46'20" E., 1.136 chs. dist.

METES-AND-BOUNDS SURVEY OF A PORTION OF
THE CENTERLINE OF U.S. HIGHWAY NO. 93,
TOWNSHIP 11 SOUTH, RANGE 63 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>From this same point, a Nevada Department of Transportation highway station utilized to determine the centerline of the right-of-way, monumented with a standard Nevada Department of Transportation wood post, 4x4 ins. square, bears N. 84°46'20" E., 3.030 chs. dist.</p> <p>From this same point, a Nevada Department of Transportation highway station utilized to determine the centerline of the right-of-way, monumented with a standard Nevada Department of Transportation brass tablet, set in concrete, mkd. STA A 438+20.35 PT DIST 75.00 bears S. 84°46'20" W., 1.136 chs. dist.</p> <p>From this same point, a Nevada Department of Transportation highway station, monumented with a standard Nevada Department of Transportation wood post, 4x4 ins. square, bears S. 84°49'30" W., 3.023 chs. dist.</p>
29.827	<p>Thence N. 5°13'40" W., continuing on the centerline of U.S. Highway No. 93, in sec. 19.</p> <p>Point on Tangent.</p> <p>POINT NOT MONUMENTED</p>
66.345	<p>From this point, a Nevada Department of Transportation highway station utilized to determine the centerline of the right-of-way, monumented with a standard Nevada Department of Transportation brass tablet, set in concrete, mkd. STA A 457+88.66 PT DIST 75.00 bears N. 84°46'20" E., 1.136 chs. dist.</p> <p>From this same point, a Nevada Department of Transportation highway station, monumented with a standard Nevada Department of Transportation wood post, 4x4 ins. square, bears N. 84°43'50" E., 3.019 chs. dist.</p> <p>From this same point, a Nevada Department of Transportation highway station utilized to determine the centerline of the right-of-way, monumented with a standard Nevada Department of Transportation brass tablet, set in concrete, mkd. STA A 457+88.66 PT DIST 75.03 bears S. 84°46'20" W., 1.137 chs. dist.</p> <p>From this same point, a Nevada Department of Transportation highway station utilized to determine the alignment only of centerline of the right-of-way, monumented with a standard Nevada Department of Transportation wood post, 4x4 ins. square, bears S. 84°41'50" W., 3.030 chs. dist.</p>
	<p>Point for a witness point, and intersection of the centerline of U.S. Highway No. 93, with the line bet. secs. 18 and 19.</p> <p>Set a PK nail and washer flush with the asphalt surface, with washer mkd. WP S18 S19 HWY 93.</p> <p>From this point, a Nevada Department of Transportation highway station, monumented with a standard Nevada Department of Transportation wood post, 4x4 ins. square, bears N. 2°53'40" E., 21.359 chs. dist.</p>

METES-AND-BOUNDS SURVEY OF A PORTION OF
 THE CENTERLINE OF U.S. HIGHWAY NO. 93,
 TOWNSHIP 11 SOUTH, RANGE 63 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS

From this same point, a Nevada Department of Transportation highway station, utilized to determine the centerline of the right-of-way, monumented with a standard Nevada Department of Transportation brass tablet, set in concrete, mkd. STA A 438+20.35 PT DIST 75.16 bears N. 8°18'40" W., 21.183 chs. dist.

From this same point, a Nevada Department of Transportation highway station utilized to determine the centerline of the right-of-way, monumented with a standard Nevada Department of Transportation brass tablet, set in concrete, mkd. STA A 495+94.61 POT DIST 75.03, bears N. 2°09'10" W., 21.183 chs. dist.

 GENERAL DESCRIPTION

The lands included in this survey are located in Lincoln County, Nevada, about 30 miles southeast of the community of Alamo, Nevada. Access is gained by way of U.S. Highway No. 93.

The average elevation of the area surveyed is approximately 2500 feet above sea level.

The vegetation consists of greasewood, shadscale, and native grasses.

No apparent mineral activity was noted in the area during this survey.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANT

Nathan P. Trapp

Surveying Technician

CERTIFICATE OF SURVEY

I, Don R. Aschenbach, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 5th day of May, 2008, I have dependently resurveyed a portion of the subdivisional lines and executed a metes-and-bounds survey of a portion of the centerline of U.S. Highway No. 93, T. 11 S., R. 63 E., 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 Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

April 9, 2009

(Date)

Don R. Aschenbach

(Cadastral 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 and a metes-and-bounds survey of a portion of the centerline of U.S. Highway No. 93, T. 11 S., R. 63 E., Mount Diablo Meridian, Nevada, executed by Don R. Aschenbach, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

April 14, 2009

(Date)

David H. Moran

(Chief Cadastral Surveyor, Nevada)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above described surveys in T. 11 S., R. 63 E., Mount Diablo Meridian, Nevada, is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor, Nevada)~~