

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

THE SOUTHERLY RIGHT-OF-WAY LINE OF INTERSTATE HIGHWAY NO. 15

THROUGH SECTION 30,

AND

A METES-AND-BOUNDS SURVEY IN SECTIONS 30 AND 31,

TOWNSHIP 13 SOUTH, RANGE 69 EAST,

OF THE MOUNT DIABLO MERIDIAN,

IN THE STATE OF NEVADA

EXECUTED BY

Don R. Aschenbach, Cadastral Surveyor

Under Special Instructions dated January 6, 2010,

and approved January 6, 2010,

which provided for the surveys included under Group No. 890,

and Assignment Instructions dated January 6, 2010.

Survey commenced January 12, 2010

Survey completed October 30, 2010

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TOWNSHIP 13 SOUTH, RANGE 69 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>The following field notes are those of the dependent resurvey of a portion of the subdivisional lines and the southerly right-of-way line of Interstate Highway No. 15 through section 30, and a metes-and-bounds survey in sections 30 and 31, Township 13 South, Range 69 East, Mount Diablo Meridian, Nevada.</p> <p>The south boundary was surveyed by U.S. Deputy Surveyors R.H. Woods and W.H. Myrick in 1881 under Contract No. 109. The north, east and west boundaries were surveyed by U.S. Deputy Surveyor W.H. Myrick in 1881 under Contract No. 123. This Plat was suspended April 7, 2000. The Third Standard Parallel South through Ranges 68 and 69 East was independently resurveyed by U.S. Surveyor R.C. Yundt in 1934 under Group No. 178. The east boundary was independently resurveyed by U.S. Cadastral Engineer C.S. Swanholm and U.S. Transitman F. Sadler in 1934 under Group No. 178. A portion of the Third Standard Parallel South through Range 68 East and a portion of the east boundary were dependently resurveyed, the west boundary and a portion of the subdivisional lines were independently resurveyed and metes-and-bounds surveys of the right-of-way of Interstate Highway No. 15 were executed by Cadastral Surveyor R.A. Zaninovich in 2000 under Group No. 789.</p> <p>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.</p> <p>The survey was executed in accordance with the specifications set forth in the <u>Manual of Surveying Instructions, 2009</u>, and the <u>Special Instructions for Group No. 890</u>, dated January 6, 2010.</p> <p>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.</p> <p>The NAD 1983 geographic position, of the corner of sections 1, 6, 31 and 36, Townships 13 and 14 South, Ranges 68 and 69 East, as determined from GPS static observations processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuous Operating Reference Stations (CORS) DJ3669 NVCA CARLTON SQUARE 2 CORS ARP, DJ8973 NVBM BERMUDA CORS ARP and DI1079 NVLM AMS WT FACILITY CORS ARP and carried forward by RTK observations is as follows:</p> <p>Latitude: 36°45'12.244" N. Longitude: 114°19'46.624" W.</p> <p>The NAD 1983 geographic position, of the 1/4 section corner of sections 29 and 30, as determined from GPS static observations processed by National Geodetic Survey, OPUS, utilizing CORS DJ3669 NVCA CARLTON SQUARE 2 CORS ARP, DJ8973 NVBM BERMUDA CORS ARP and DI1079 NVLM AMS WT FACILITY CORS ARP and carried forward by RTK observations is as follows:</p> <p>Latitude: 36°46'30.271" N. Longitude: 114°18'34.351" W.</p> <p>The mean magnetic declination is 15° E., as shown on U.S.G.S. 7 1/2 minute quadrangle map "MOAPA PEAK SE, NEV." dated 1969.</p>
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DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES
T. 13 S., R. 69 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>Reestablishment of a Portion of the Independent Resurvey Executed by Cadastral Surveyor R.A. Zaninovich in 2000</p>
	<p>Beginning at the cor. of secs. 29, 30, 31 and 32, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 16 ins. above the ground, and in mound of stone, 4 ft. base, to top, with brass cap mkd. as described in the field notes of the independent resurvey of T. 13 S., R. 69 E., executed under Group No. 789.</p> <p>N. 89°43'40" W., bet. secs. 30 and 31.</p>
30.002	<p>The point for a witness point, at intersection of the metes-and-bounds survey bet. Angle Point No. 1 and the witness point on the southerly right-of-way line of Interstate Highway No. 15 with the line bet. secs. 30 and 31, hereinafter described.</p>
40.000	<p>The 1/4 sec. cor. of secs. 30 and 31, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 16 ins. above the ground, and in a mound of stone, 4 ft. base, to top, with brass cap mkd. as described in the field notes of the independent resurvey of T. 13 S., R. 69 E., executed under Group No. 789.</p>
	<p>N. 89°43'40" W., beginning new measurement.</p>
9.805	<p>Intersect the southerly right-of-way line of Interstate Highway No. 15 and right-of-way fence, bears N. 77°30'20" E. and S. 77°30'00" W.</p>
40.000	<p>The 80 1/16 sec. cor. of secs. 30 and 31, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 14 ins. above the ground, and in mound of stone, 3 ft. base, to top, with brass cap mkd. as described in the field notes of the independent resurvey of T. 13 S., R. 69 E., executed under Group No. 789.</p>
	<p>N. 89°43'40" W., beginning new measurement.</p>
9.149	<p>The cor. of secs. 25, 30, 31 and 36, on the W. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above the ground, with brass cap mkd. as described in the field notes of the independent resurvey of T. 13 S., R. 69 E., executed under Group No. 789, with a mound of stone, 3 ft. base, 18 ins. high, W. of cor.</p>
	<p>From the cor. of secs. 29, 30, 31 and 32.</p> <p>N. 0°03'20" W., bet. secs. 29 and 30.</p>
11.275	<p>Intersect the southerly right-of-way line of Interstate Highway No. 15 and right-of-way fence, bears N. 77°30'50" E. and S. 77°30'20" W.</p>
22.182	<p>Intersect the northerly right-of-way line of Interstate Highway No. 15 and right-a-way fence, bears N. 77°30'50" E. and S. 77°30'10" W.</p>

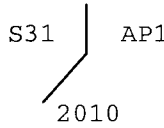
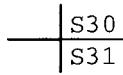
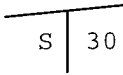
DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES
T. 13 S., R. 69 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>NOT MONUMENTED</p> <p>From this point, a standard Nevada Department of Transportation brass tablet, set in concrete, mkd. STA OW 1025+72.22 DIST 47.44, bears N. 82°36'50" E., 25.929 chs. dist.</p> <p>From this same point, a standard Nevada Department of Transportation brass tablet, set in concrete, mkd. STA OE OW 1025+72.22 DIST OE 28.60 OW 275.90, bears S. 86°53'50" E., 26.815 chs. dist.</p> <p>From this same point, a standard Nevada Department of Transportation brass tablet, set in concrete, mkd. STA OE OW 1005+72.26 DIST OE 130.98 OW 173.52, bears S. 25°50'00" W., 7.214 chs. dist.</p> <p>From this same point, a standard Nevada Department of Transportation brass tablet, set in concrete, mkd. STA OW 1005+72.26 DIST 51.62, bears S. 50°49'30" W., 5.007 chs. dist.</p> <p>40.000 The 1/4 sec. cor. of secs. 29 and 30, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above the ground, and in a mound of stone, 4 ft. base, to top, with brass cap mkd. as described in the field notes of the independent resurvey of T. 13 S., R. 69 E., executed under Group No. 789.</p>
	<hr/> <p>DEPENDENT RESURVEY OF THE SOUTHERLY RIGHT-OF-WAY LINE OF INTERSTATE HIGHWAY NO. 15 THROUGH SECTION 30, T. 13 S., R. 69 E., MOUNT DIABLO MERIDIAN, NEVADA</p> <hr/>
	<hr/> <p>Reestablishment of the Survey Executed by Cadastral Surveyor R.A. Zaninovich in 2000</p> <hr/>
	<p>From the point of intersection of the southerly right-of-way line of Interstate Highway No. 15 with the line bet. secs. 30 and 31.</p>
	<p>NOT MONUMENTED</p> <p>From this point a standard Nevada Department of Transportation brass tablet, set in concrete, mkd. STA OE 957+68.46 DIST 141.70, bears S. 79°33'40" W., 23.931 chs. dist.</p> <p>From this same point a standard Nevada Department of Transportation brass tablet, set in concrete, mkd. STA OE OW 957+68.46 DIST OE 280.22 OW 224.28, bears S. 79°33'40" W., 23.931 chs. dist.</p> <p>N. 77°30'00" E., on the southerly right-of-way line of Interstate Highway No. 15 through sec. 30.</p>
14.008	<p>Point from which centerline station OE 982+71.53 bears N. 12°29'40" W., 3.008 chs. dist.</p> <p>From this point, a standard Nevada Department of Transportation brass tablet, set in concrete, mkd. STA OE 982+71.53 DIST 84.58, bears N. 12°29'40" W., 1.726 chs. dist.</p>

DEPENDENT RESURVEY OF THE SOUTHERN RIGHT-OF-WAY OF
INTERSTATE HIGHWAY NO. 15 THROUGH SECTION 30,
T. 13 S., R. 69 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>From this same point, a standard Nevada Department of Transportation brass tablet, set in concrete, mkd. STA OE OW 982+71.53 DIST OE 134.53 OW 169.97, bears N. 12°29'40" W., 5.046 chs. dist.</p>
20.281	<p>Point for a witness point at the intersection of the southerly right-of-way line of Interstate Highway No. 15 with the metes-and-bounds survey in sections 30 and 31, hereinafter described.</p>
48.471	<p>Point from which centerline station OE 1005+72.26 bears N. 12°29'40" W., 3.008 chs. dist.</p> <p>From this point, a standard Nevada Department of Transportation brass tablet, set in concrete, mkd. STA OE 1005+72.26 DIST 70.66, bears N. 12°29'40" W., 1.937 chs. dist.</p> <p>From this same point a standard Nevada Department of Transportation brass tablet, set in concrete, mkd. STA OE OW 1005+72.26 DIST OE 130.98 OW 173.52, bears N. 12°29'40" W., 4.992 chs. dist.</p>
50.999	<p>The point of intersection with the line bet. secs. 29 and 30.</p> <p>NOT MONUMENTED</p> <p>From this point, a standard Nevada Department of Transportation brass tablet, set in concrete, mkd. STA OE OW 1025+72.22 DIST OE 28.60 OW 275.90, bears N. 72°32'30" E., 28.386 chs. dist.</p> <p>From this same point, a standard Nevada Department of Transportation brass tablet, set in concrete, mkd. STA OE 1025+72.22 DIST 196.39, bears N. 77°26'20" E., 28.177 chs. dist.</p> <hr/> <p>METES-AND-BOUNDS SURVEY IN SECTIONS 30 AND 31, T. 13 S., R. 69 E., MOUNT DIABLO MERIDIAN, NEVADA</p> <hr/> <p>Memorandum</p> <p>The following metes-and-bounds survey identifies a portion of the boundary to facilitate conveyance of certain lands to the City of Mesquite, Nevada for a General Aviation Airport, as described in Public Law 99-548, section 3, as amended.</p> <hr/> <p>From the witness point on the line bet. secs. 31 and 6, on the S. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above the ground, and in a mound of stone, 3 ft. base, to top, with brass cap mkd. as described in the field notes of T. 14 S., R. 69 E., surveyed concurrently under this same group.</p> <p>From this point the 80 1/16 sec. cor. of secs. 6 and 31, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above the ground, and in a mound of stone, 5 ft. base, to top, with brass cap mkd. as described in the field notes of the independent resurvey of T. 14 S., R. 69 E., executed under Group No. 789, bears N. 89°43'40" E., 3.374 chs. dist.</p>

METES-AND-BOUNDS SURVEY IN SECTIONS 30 AND 31,
T. 13 S., R. 69 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	N. 34°30'00" E., through sec. 31.
65.20	Abandoned asphalt road, 30 lks. wide, bears E. and W.
65.60	Underground telephone line, bears E. and W.
68.70	Single pole power line, bears E. and W.
82.185	Point for Angle Point No. 1, sec. 31. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 10 ins. in the ground, and in a mound of stone, 4 ft. base, to top, over a plastic-encased magnet, with brass cap mkd. <div style="text-align: center;"> <p>T13S R69E</p>  <p>S31 AP1</p> <p>2010</p> </div>
	N. 0°03'30" W., continuing through sec. 31.
12.049	Point for a witness point at intersection with the line bet. secs. 30 and 31. 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. <div style="text-align: center;"> <p>WP</p> <p>T13S R69E</p>  <p>S30</p> <p>S31</p> <p>2010</p> </div>
	Raise a mound of stone, 3 ft. base, 18 ins. high, W. of the witness point.
	Through sec. 30.
16.531	Point for a witness point at intersection with the southerly right-of-way line of Interstate Highway No. 15. 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. <div style="text-align: center;"> <p>WP</p> <p>T13S R69E</p> <p>ROW</p>  <p>S 30</p> <p>2010</p> </div>
	Corner is located in right-of-way fence, bears NE. and SW.

TOWNSHIP 13 SOUTH, RANGE 69 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	GENERAL DESCRIPTION
	<p data-bbox="441 331 1477 415">The average elevation of the area is about 2000 feet above sea level. General drainage is to the south. Vegetation consists of creosote and cacti.</p> <hr data-bbox="441 436 1461 441"/>

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

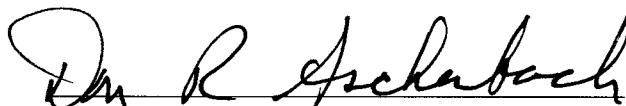
Brock R. Clifford	Cadastral Surveyor
Michelle E. Martin	Supervisory Range Technician
Jonathan Grayson	Surveying Technician
Clarence D. Strickland	Surveying Technician

CERTIFICATE OF SURVEY

I, Don R. Aschenbach, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 6th day of January, 2010, I have dependently resurveyed a portion of the subdivisional lines and the southerly right-of-way line of Interstate Highway No. 15 through section 30, and executed a metes-and-bounds survey in sections 30 and 31, Township 13 South, Range 69 East, 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.

July 6, 2011

Date


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 the southerly right-of-way line of Interstate Highway No. 15 through section 30, and a metes-and-bounds survey in sections 30 and 31, Township 13 South, Range 69 East, Mount Diablo Meridian, Nevada, executed by Don R. Aschenbach, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

July 6, 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 T. 13 S., R. 69 E., Mount Diablo Meridian, Nevada, is a true copy of the original field notes.~~

~~_____~~
Date

~~_____~~
Chief Cadastral Surveyor for Nevada