

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF
PORTIONS OF THE SUBDIVISIONAL LINES AND
PORTIONS OF THE SUBDIVISION-OF-SECTION LINES OF SECTIONS 5 AND 17,

AND

THE FURTHER SUBDIVISION OF SECTIONS 5 AND 17,
TOWNSHIP 12 NORTH, RANGE 56 EAST,
OF THE MOUNT DIABLO MERIDIAN,
IN THE STATE OF NEVADA

EXECUTED BY

Brandon G. Courtright, Cadastral Surveyor

Under Special Instructions dated, July 25, 2017

and approved, July 25, 2017

and Amended Special Instructions dated, October 3, 2019

and approved, October 3, 2019

which provided for the surveys included under Group No. 974,

and Assignment Instructions dated, July 25, 2017.

Survey commenced July 27, 2017

Survey completed October 4, 2019

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TOWNSHIP 12 NORTH, RANGE 56 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS

The following field notes are those providing for the dependent resurvey of portions of the subdivisional lines and portions of the subdivision-of-section lines of sections 5 and 17, and the further subdivision of sections 5 and 17, Township 12 North, Range 56 East, Mount Diablo Meridian, Nevada.

The west boundary (Ruby Valley Guide Meridian) was surveyed by U.S. Deputy Surveyor E.B. Monroe in 1869 under Contract No. 25. The east, south, and north boundaries, and the subdivisional lines were surveyed by U.S. Deputy Surveyor E.B. Monroe in 1870 under Contract No. 39. Portions of the East and North boundaries were dependently resurveyed by Associate Cadastral Engineer E. Voigt and Junior Cadastral Engineers W. McConkie and A.C. Alberga in 1941 under Group No. 261. Nevada Protraction Diagram No. 123, Unit No. 61, for Tps. 11, 12, 13 and 13 1/2 N., Rs. 55 and 55 1/2 E. was approved February 1, 1963. A portion of the east boundary was dependently resurveyed by Cadastral Surveyors H.G. Parker and R.A. Pratt in 1965 under Group No. 426. A portion of the west boundary (Ruby Valley Guide Meridian), a portion of the north boundary and a portion of the subdivisional lines were dependently resurveyed, sections 5, 6, 7, 8, 16, 17, 18, 20 and 21 were subdivided and a metes-and-bounds survey of Parcel No. 1, in sections 16, 17, 18, 20 and 21 was conducted by Cadastral Surveyor T.O. Nickerson in 1976 under Group No. 542. Tract 37, Township 12 North, Range 55 1/2 East was surveyed by Cadastral Surveyor R.A. Pratt in 1978 under Group No. 567. Other surveys remote to this area are not included.

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.

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, 2009, and the Special Instructions for Group No. 974, dated July 25, 2017, and the Amended Special Instructions dated October 3, 2019.

Measurements were made with Trimble R8 and R10 Global Positioning System (GPS) receivers using the real-time kinematic method and refer to the true meridian based on geodetic methods. The mean bearings of the lines and horizontal equivalents of ground distances are entered into the field notes.

The NAD 1983 (2011) (Epoch:2010.0000) geographic position, of the following corners were determined from GPS static observations processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuous Operating Reference Stations (CORS), DP2878 TONO TONO_BRGN_NV1999 CORS ARP, DL6904 NVSV SPRING VALLEY CORS ARP, and AI8817 ECHO ECHO_BRGN_NV1999 CORS ARP, and carried forward by RTK observations is as follows:

TOWNSHIP 12 NORTH, RANGE 56 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>The 1/4 section corner of sections 4 and 5, is as follows:</p> <p style="padding-left: 40px;">Latitude: 38°55'53.704" N. Longitude: 115°41'19.014" W.</p> <p>The south 1/16 section corner of sections 17 and 18, is as follows:</p> <p style="padding-left: 40px;">Latitude: 38°53'55.027" N. Longitude: 115°42'26.848" W.</p> <p>The July 27, 2017 mean magnetic declination was determined to be 12°22'E., as obtained from the National Oceanic and Atmospheric Administration's National Centers for Environmental Information declination calculator.</p> <hr/> <p style="text-align: center;">DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES, T. 12 N., R. 56 E., MOUNT DIABLO MERIDIAN, NEVADA</p> <hr/> <p style="text-align: center;">Reestablishment of a Portion of the Survey Executed by U.S. Deputy Surveyor E.B. Monroe in 1869, and a Portion of the Dependent Resurvey Executed by Cadastral Surveyor T.O. Nickerson in 1976</p> <hr/> <p>Beginning at the 1/4 sec. cor. of secs. 16 and 17, monumented with an iron post, 2 1/2 ins. diam., firmly set, flush in the ground, and in a ring of stone, 4 1/2 ft. diam., 1/2 ft. high, with brass cap mkd. as described in the field notes of the dependent resurvey of a portion of the subdivisional lines of T. 12 N., R. 56 E., executed under Group No. 542.</p> <p>N. 1°36'50" W., bet. secs. 16 and 17.</p> <p>15.00 Top of ridge, bears N. 15° E. and S. 15° W.</p> <p>34.80 Dirt road, 15 lks. wide, bears S. 25° E. and N. 25° W.</p> <p>35.45 Powerline, bears S. 25° E. and N. 25° W.</p> <p>41.078 The cor. of secs. 8, 9, 16 and 17, monumented with an iron post, 2 1/2 ins. diam., firmly set, flush in a mound of stone, 3 ft. diam., 1/2 ft. high, with brass cap mkd. as described in the field notes of the dependent resurvey of a portion of the subdivisional lines of T. 12 N., R. 56 E., executed under Group No. 542.</p> <hr/> <p>From the cor. of secs. 4, 5, 8 and 9, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above an embedded mound of stone, 3 ft. diam., with brass cap mkd. as described in the field notes of the dependent resurvey of a portion of the subdivisional lines of T. 12 N., R. 56 E., executed under Group No. 542.</p>
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DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 12 N., R. 56 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	N. 0°56'10" W., bet. secs. 4 and 5.
4.40	Nevada State Route No. 379, asphalt surface, 45 lks. wide, bears S. 55° E. and N. 55° W.
20.009	Point for the S 1/16 sec. cor. of secs. 4 and 5.
	POINT NOT MONUMENTED
	From this point, a position determined by person(s) unknown, bears S. 68°22'40" W., 0.195 chs. dist., monumented with a wood post, 5 ins. diam., firmly set, projecting 5 ft. above an embedded mound of stone, 3 ft. diam., not utilized during the course of this survey.
40.018	The 1/4 sec. cor. of secs. 4 and 5, monumented with and iron post, 2 1/2 ins. diam., firmly set, flush in a mound of stone, 3 ft. diam., 1/2 ft. high, with brass cap mkd. as described in the field notes of the subdivision of section 5 of T. 12 N., R. 56 E., executed under Group No. 542.
	From the S 1/16 sec. cor. of secs. 17 and 18, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 11 ins. above the ground, with brass cap mkd. as described in the field notes of the dependent resurvey of a portion of the subdivisional lines of T. 12 N., R. 56 E., executed under Group No. 542.
	N. 0°25'00" W., bet. secs. 17 and 18.
20.07	Barbed wire fence, bears E. and W.
20.154	Point for the 1/4 sec. cor. of secs. 17 and 18, at proportionate distance; there is no remaining evidence of the 1976 corner.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., flush in the ground, over a plastic-encased magnet, with brass cap mkd.
	<p>T12N R56E 1/4 S18 S17 2017</p>
34.90	Enter hay field.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 12 N., R. 56 E., MOUNT DIABLO MERIDIAN, NEVADA

<p>CHAINS 60.462</p>	<p>The cor. of secs. 7, 8, 17 and 18, determined at the base of a sheared-off steel fence post, firmly set, 3 ins. below the ground. This steel fence post was set during the 1976 dependent resurvey and is accepted as the best available evidence of the position of the original corner.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 8 ins. below the ground, over a plastic-encased magnet, with brass cap mkd.</p> <div style="text-align: center;"> <table border="0"> <tr> <td colspan="2">T12N R56E</td> </tr> <tr> <td>S 7</td> <td>S 8</td> </tr> <tr> <td colspan="2">— —</td> </tr> <tr> <td>S18</td> <td>S17</td> </tr> </table> <p>2017</p> </div> <p>Reset the steel fence post alongside the stainless steel post.</p> <p>From this cor., the W 1/16 sec. cor. of secs. 8 and 17, bears N. 89°12'00" E., 20.050 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above the ground, with brass cap mkd. as described in the field notes of the dependent resurvey of a portion of the subdivisional lines of T. 12 N., R. 56 E., executed under Group No. 542.</p>	T12N R56E		S 7	S 8	— —		S18	S17
T12N R56E									
S 7	S 8								
— —									
S18	S17								
<p>20.244</p>	<div style="text-align: center;"> <p>DEPENDENT RESURVEY OF PORTIONS OF THE SUBDIVISION-OF-SECTION LINES OF SECTION 5, T. 12 N., R. 56 E., MOUNT DIABLO MERIDIAN, NEVADA</p> <hr/> <p>Reestablishment of a Portion of the Survey Executed by Cadastral Surveyor T.O. Nickerson in 1976</p> <hr/> </div> <p>From the 1/4 sec. cor. of secs. 4 and 5.</p> <p>S. 89°35'30" W., on the E-W center line of sec. 5.</p> <p>Point for the C-E 1/16 sec. cor. of sec. 5, at proportionate distance; there is no remaining evidence of the original corner.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 4 ins. below the ground, over a plastic-encased magnet, with brass cap mkd.</p>								

DEPENDENT RESURVEY OF PORTIONS OF
THE SUBDIVISION-OF-SECTION LINES OF SECTION 5,
T. 12 N., R. 56 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p style="text-align: center;">E 1/16 C——C S 5</p> <p style="text-align: center;">2017</p> <p>Point located in a dragged field.</p>
40.488	<p>The center 1/4 sec. cor. of sec. 5, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 5 ins. above the ground, with brass cap mkd. as described in the field notes of the subdivision of section 5 of T. 12 N., R. 56 E., executed under Group No. 542, with a steel fence post firmly set alongside.</p> <p>Cor. is located 1 ft. W. of barbed wire fence, bears N. and S.</p> <hr/> <p>From the E 1/16 sec. cor. of secs. 5 and 8, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above the ground, with brass cap mkd. as described in the field notes of the subdivision of section 5 of T. 12 N., R. 56 E., executed under Group No. 542, with a steel fence post firmly set alongside.</p> <p>N. 0°46'10" W., on the N-S center line of the SE1/4 of sec. 5.</p>
18.40	<p>Nevada State Route No. 379, asphalt surface, 45 lks. wide, bears S. 55° E. and N. 55° W.</p>
18.922	<p>The witness point, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 1 in. above the ground, with brass cap mkd. as described in the field notes of the subdivision of section 5 of T. 12 N., R. 56 E., executed under Group No. 542, with a steel fence post firmly set alongside.</p> <hr/> <p>N. 0°46'10" W., beginning new measurement.</p>
1.121	<p>Point for the SE 1/16 sec. cor. of sec. 5, at intersection with the E-W center line of the SE1/4.</p> <p>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.</p> <p style="text-align: center;">SE 1/16 S 5</p> <p style="text-align: center;">2017</p>
21.168	<p>The C-E 1/16 sec. cor. of sec. 5.</p> <hr/>

DEPENDENT RESURVEY OF PORTIONS OF
THE SUBDIVISION-OF-SECTION LINES OF SECTION 17,
T. 12 N., R. 56 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
	<p>Reestablishment of a Portion of the Survey Executed by Cadastral Surveyor T.O. Nickerson in 1976</p> <hr/>
	<p>From the C-S 1/16 sec. cor. of sec. 17, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 9 ins. above the ground, with brass cap mkd. as described in the field notes of the subdivision of section 17 of T. 12 N., R. 56 E., executed under Group No. 542.</p>
	<p>N. 0°29'00" W., on the N-S center line of sec. 17.</p>
15.60	<p>Duckwater creek, 15 lks. wide, course S. 30° E.</p>
20.172	<p>Point for the center 1/4 sec. cor. of sec. 17, at intersection with the E-W center line.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., flush in the ground, over a plastic-encased magnet, with brass cap mkd.</p>
	<p style="text-align: center;">T12N R56E C 1/4 S17</p>
	<p style="text-align: center;">2017</p>
	<p>The 1976 iron post, 2 1/2 ins. diam., 28 ins. long, with brass cap mkd. as described in the field notes of the subdivision of section 17 of T. 12 N., R. 56 E., executed under Group No. 542, was found disturbed, lying loose in a pasture, and with the rusted remains of a steel fence post lying loose, the original set positions indeterminate.</p>
	<p>Bury the iron post and the steel fence post alongside the stainless steel post.</p>
43.90	<p>Rivulet, course S. 45° E.</p>
59.67	<p>Barbed wire fence, bears S. 85° E. and N. 85° W.</p>
60.865	<p>The 1/4 sec. cor. of secs. 8 and 17, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above the ground, with brass cap mkd. as described in the field notes of the dependent resurvey of a portion of the subdivisional lines of T. 12 N., R. 56 E., executed under Group No. 542, with a steel fence post firmly set alongside.</p>
	<hr/> <p>From the 1/4 sec. cor. of secs. 16 and 17.</p>
	<p>S. 89°45'00" W., on the E-W center line of sec. 17.</p>

DEPENDENT RESURVEY OF PORTIONS OF
THE SUBDIVISION-OF-SECTION LINES OF SECTION 17,
T. 12 N., R. 56 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
3.90	Top of ridge, bears N. 15° E. and S. 15° W.
20.454	Point for the C-E 1/16 sec. cor. of sec. 17.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., flush in the ground, over a plastic-encased magnet, with brass cap mkd.
	<p style="text-align: center;">E 1/16 C ——— C S17 2017</p>
35.41	Barbed wire fence, bears N. 45° E. and S. 45° W.
40.908	The center 1/4 sec. cor. of sec. 17.
43.15	Duckwater creek, 20 lks. wide, course S. 20° E.
81.055	The 1/4 sec. cor. of secs. 17 and 18.
<hr/> <p>THE FURTHER SUBDIVISION OF SECTION 5, T. 12 N., R. 56 E., MOUNT DIABLO MERIDIAN, NEVADA</p> <hr/>	
	<p>From the point for the S 1/16 sec. cor. of secs. 4 and 5. S. 89°29'00" W., on the E-W center line of the SE1/4 of sec. 5.</p>
20.303	The SE 1/16 sec. cor. of sec. 5.
22.70	Nevada State Route No. 379, asphalt surface, 45 lks. wide, bears S. 55° E. and N. 55° W.
40.617	The C-S 1/16 sec. cor. of sec. 5, monumented with a railroad spike, firmly set, flush in Meadow Rd., asphalt surface, 30 lks. wide, bears N. 50° E. and S. 50° W.
	<p>from which new accessories</p> <p style="padding-left: 40px;">An X chiseled into an outcropping of limestone bedrock, bears N. 18°16'30" E., 159.0 lks. dist., with the marks BO chiseled alongside.</p> <p style="padding-left: 40px;">An X chiseled into an outcropping of limestone bedrock, bears N. 61°06'50" W., 182.3 lks. dist., with the marks BO chiseled alongside.</p> <hr/>

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Matthew E. Campos	Sup. Cadastral Surveyor
Brandon K. Grace	Cadastral Surveyor
Justin V. Haddon	Cadastral Surveyor
Griffin B. Dekker	Student Trainee
Kenneth W. Tynan	Student Trainee

CERTIFICATE OF SURVEY

I, Brandon G. Courtright, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 25th day of July, 2017, and amended special instructions bearing date of the 3rd day of October, 2019, I have dependently resurveyed portions of the subdivisional lines and portions of the subdivision-of-section lines of sections 5 and 17, and further subdivided sections 5 and 17 of Township 12 North, Range 56 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 Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

DEC 03 2019

(Date)

Michael O. Hammer
/For Brandon G. Courtright
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Reno, Nevada

The foregoing field notes of the dependent resurvey of portions of the subdivisional lines and portions of the subdivision-of-section lines of sections 5 and 17, and the further subdivision of sections 5 and 17 of Township 12 North, Range 56 East, Mount Diablo Meridian, Nevada, executed by Brandon G. Courtright, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

DEC 03 2019

(Date)

Michael O. Hammer
(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 12 North, Range 56 East, Mount Diablo Meridian, Nevada, is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor for Nevada)~~