

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF
PORTIONS OF THE WEST BOUNDARIES OF
TOWNSHIPS 13 AND 14 NORTH, RANGE 56 EAST (RUBY VALLEY GUIDE MERIDIAN)
AND A PORTION OF THE SOUTH BOUNDARY
OF TOWNSHIP 14 NORTH, RANGE 55 EAST,
AND
THE SURVEY OF THE SUBDIVISIONAL LINES,
TOWNSHIP 13 1/2 NORTH, RANGE 55 1/2 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,

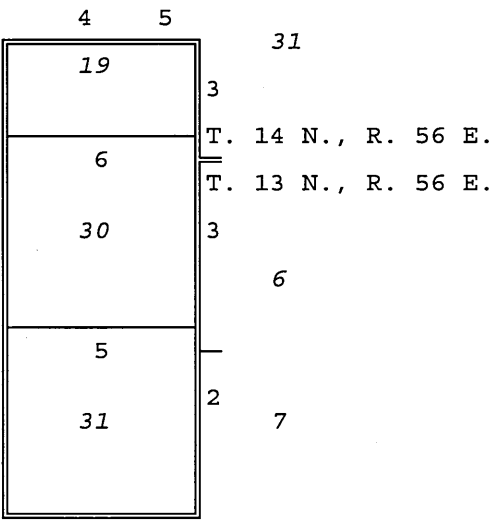
and Assignment Instructions dated, July 25, 2017.

Survey commenced July 28, 2017

Survey completed October 4, 2019

INDEX DIAGRAM

TOWNSHIP 13 1/2 NORTH, RANGE 55 1/2 EAST, MOUNT DIABLO MERIDIAN, NEVADA



TOWNSHIP 13 1/2 NORTH, RANGE 55 1/2 EAST,
MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>The following field notes are those providing for the dependent resurvey of portions of the west boundaries of Townships 13 and 14 North, Range 56 East (Ruby Valley Guide Meridian) and a portion of the south boundary of Township 14 North, Range 55 East, and the survey of the subdivisional lines, Township 13 1/2 North, Range 55 1/2 East, Mount Diablo Meridian, Nevada.</p> <p>The west boundary of Townships 13 and 14 North, Range 56 East (Ruby Valley Guide Meridian) was surveyed by U.S. Deputy Surveyor E.B. Monroe in 1869 under Contract No. 25. Nevada Protraction Diagram No. 125, Unit No. 61 & 62, for Townships 14 and 15 North, Ranges 55 and 56 East was approved February 1, 1963. Nevada Protraction Diagram No. 123, Unit No. 61, for Townships 11, 12, 13 and 13 1/2 North, Ranges 55 and 55 1/2 East was approved February 1, 1963. The west boundary (Ruby Valley Guide Meridian) of Township 14 North, Range 56 East was independently resurveyed and the south boundary of Township 14 North, Range 56 East was dependently resurveyed by Cadastral Surveyors E.W. Sibley and R.A. Pratt in 1968-69 under Group No. 461. The south boundary of Township 14 North, Range 55 East was surveyed by Cadastral Surveyor R.A. Pratt in 1969 under Group No. 461. A portion of the west boundary of Township 13 North, Range 56 East (Ruby Valley Guide Meridian) was dependently resurveyed by Cadastral Surveyor T.O. Nickerson in 1976 under Group No. 542.</p> <p>The dependent resurvey of a portion of the west boundary of Township 13 North, Range 56 East and a portion of the south boundary of Township 14 North, Range 55 East, and the survey of the north boundary of Township 13 North, Range 55 1/2 East and the survey of the east boundary of Township 13 1/2 North, Range 55 East, were executed concurrently under this same Group.</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 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.</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. 974, dated July 25, 2017</u>, and <u>Amended Special Instructions, dated October 3, 2019</u>.</p> <p>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 only are entered into the field notes.</p>
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TOWNSHIP 13 1/2 NORTH, RANGE 55 1/2 EAST,
MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>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:</p> <p>The 1/4 section corner of section 7, T. 13 N., R. 56 E., is as follows:</p> <p>Latitude: 39°00'17.192" N. Longitude: 115°43'34.150" W.</p> <p>The corner of sections 35 and 36, T. 14 N., R. 55 E., is as follows:</p> <p>Latitude: 39°02'02.708" N. Longitude: 115°44'28.359" W.</p> <p>The July 28, 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>DEPENDENT RESURVEY OF PORTIONS OF THE WEST BOUNDARIES OF TPS. 13 AND 14 N., R. 56 E., (RUBY VALLEY GUIDE MERIDIAN) MOUNT DIABLO MERIDIAN, NEVADA</p> <hr/> <p>Reestablishment of a Portion of the Survey Executed by U.S. Deputy Surveyor E.B. Monroe in 1869 and a Portion of the Independent Resurvey Executed by Cadastral Surveyors E.W. Sibley and R.A. Pratt in 1968-69</p> <hr/> <p>From the 1/4 sec. cor. of sec. 7, T. 13 N., R. 56 E., monumented with a stainless steel 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 dependent resurvey of portions of the west boundaries of Tps. 12 and 13 N., R. 56 E., (Ruby Valley Guide Meridian), executed concurrently under this same Group, with a steel fence post, firmly set alongside.</p> <p>N. 0°06'50" W., on the W. bdy. of sec. 7.</p> <p>8.821 The 1/4 sec. cor. of sec. 31, T. 13 1/2 N., R. 55 1/2 E., hereinafter described.</p>
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DEPENDENT RESURVEY OF PORTIONS
OF THE WEST BOUNDARIES OF TPS. 13 AND 14 N., R. 56 E.,
MOUNT DIABLO MERIDIAN, NEVADA

CHAINS					
40.454	<p>The cor. of secs. 1, 6, 7 and 12, determined at the base of a steel fence post, with a wood post, 2x2x22 ins. wired on, with illegible marks, lying loose on the ground, set by Survey Technician J.R. Munson, as shown on the Cadastral Survey Corner Card dated April 14, 1961. This position correlates well with existing original corners and is accepted as the best available evidence of the position of the original corner. This cor. will now refer to secs. 6 and 7 only.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.</p> <div style="text-align: center;"> <p>T13N R56E</p> <table style="margin: auto;"> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">S 6</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">S 7</td> <td></td> </tr> </table> <p>2017</p> </div> <p>Bury the wood post and reset the steel fence post alongside the stainless steel post.</p> <hr/> <p>N. 0°06'10" E., on the W. bdy. of sec. 6.</p>	S 6		S 7	
S 6					
S 7					
8.367	The closing cor. of secs. 30 and 31, T. 13 1/2 N., R. 55 1/2 E., hereinafter described.				
40.384	<p>Point for the 1/4 sec. cor. of secs. 1 and 6, at proportionate distance; there is no remaining evidence of the original cor. This cor. will now refer to sec. 6 only.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.</p> <div style="text-align: center;"> <p>T13N R56E</p> <table style="margin: auto;"> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">1/4</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">S 6</td> <td></td> </tr> </table> <p>2017</p> </div>	1/4		S 6	
1/4					
S 6					
48.367	The 1/4 sec. cor. of sec. 30, T. 13 1/2 N., R. 55 1/2 E., hereinafter described.				

DEPENDENT RESURVEY OF PORTIONS
OF THE WEST BOUNDARIES OF TPS. 13 AND 14 N., R. 56 E.,
MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
80.768	<p>The cor. of Tps. 13 and 14 N., R. 56 E., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above the ground, with brass cap mkd. as described in the field notes of the dependent resurvey of the S. bdy. of T. 14 N., R. 56 E., executed under Group No. 461, with two steel fence posts firmly set alongside, and an embedded mound of stone, 3 ft. diam., E. of cor.</p>
	<hr/> <p>N. 0°01'10" W., on the W. bdy. of sec. 31.</p>
7.599	<p>The closing cor. of secs. 19 and 30, T. 13 1/2 N., R. 55 1/2 E., hereinafter described.</p>
9.40	<p>Wash, 15 lks. wide, drains S. 25° E.</p>
21.70	<p>Nevada State Route No. 379, gravel surface, 45 lks. wide, bears S. 45° E. and N. 45° W.</p>
38.954	<p>Point for the W 1/4 sec. cor. of sec. 31, at proportionate distance; there is no remaining evidence of the 1968-69 corner.</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> <div style="text-align: center;"> <p>T13½N T14N R56E R55½E 1/4 S31</p> <p>2017</p> </div>
39.85	<p>Wash, 20 lks. wide, drains S. 10° W.</p>
40.584	<p>The SE. cor. of T. 14 N., R. 55 E., monumented with an iron post, 2 1/2 ins. diam., firmly set, 8 ins. below the ground, with brass cap mkd. illegibly. This cor. will now refer to T. 13 1/2 N., R. 55 1/2 E. and T. 14 N., R. 55 E. Remark the brass cap as follows</p> <div style="text-align: center;"> <p>T14N T14N R55E R56E S36 ——— S31 T13½N R55½E S19</p> <p>2017</p> </div> <hr/>

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY,
T. 14 N., R. 55 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>Reestablishment of a Portion of the Survey Executed by Cadastral Surveyor R.A. Pratt in 1969</p>
	<p>From the cor. of secs. 35 and 36, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 7 ins. above the ground, with brass cap mkd. as described in the field notes of the survey of the S. bdy. of T. 14 N., R. 55 E., executed under Group No. 461, with a mound of stone, 3 ft. diam., 1 ft. high, N. of cor.</p> <p>N. 89°59'50" E., on the S. bdy. of sec. 36.</p>
24.65	Wash, 20 lks. wide, drains S. 55° E.
24.936	The 1/4 sec. cor. of sec. 19, T. 13 1/2 N., R. 55 1/2 E., hereinafter described.
31.90	Wash, 20 lks. wide, drains N. 85° E.
35.90	Wash, 20 lks. wide, drains S. 75° E.
40.010	<p>The 1/4 sec. cor. of sec. 36, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above the ground, with brass cap mkd. as described in the field notes of the survey of the S. bdy. of T. 14 N., R. 55 E., executed under Group No. 461, with a mound of stone, 3 ft. diam., 1/2 ft. high, N. of cor.</p> <p>N. 89°58'40" E., beginning new measurement.</p>
6.45	Nevada State Route No. 379, gravel surface, 45 lks. wide, bears S. 45° E. and N. 45° W.
17.95	Wash, 10 lks. wide, drains S. 35° E.
18.75	Wash, 15 lks. wide, drains S. 10° E.
21.30	Wash, 10 lks. wide, drains S. 5° W.
24.866	The cor. of T. 13 1/2 N., R. 55 1/2 E. and T. 14 N., R. 55 E., hereinbefore described.
	<p>SURVEY OF THE SUBDIVISIONAL LINES, T. 13 1/2 N., R. 55 1/2 E., MOUNT DIABLO MERIDIAN, NEVADA</p> <p>From the cor. of secs. 25, 30, 31 and 36, on the W. bdy. of the Tp., monumented with a stainless steel post, firmly set, projecting 1 in. above the ground, with brass cap mkd. as described in the field notes of the survey of the E. bdy. of</p>

SURVEY OF THE SUBDIVISIONAL LINES,
T. 13 1/2 N., R. 55 1/2 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>T. 13 1/2 N., R. 55 E., executed concurrently under this same Group.</p>						
	<p>EAST, bet. secs. 30 and 31.</p>						
40.000	<p>Point for the 1/4 sec. cor. of secs. 30 and 31.</p>						
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.</p>						
	<div style="text-align: center;"> <p>T13 1/2 N R55 1/2 E</p> <p>S30</p> <p>1/4 —</p> <p>S31</p> <p>2017</p> </div>						
79.851	<p>Intersect the W. bdy. of T. 13 N., R. 56 E. (Ruby Valley Guide Meridian).</p>						
	<p>Point for the closing cor. of secs. 30 and 31.</p>						
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.</p>						
	<div style="text-align: center;"> <p>T13 1/2 N R55 1/2 E T13 N</p> <table border="0"> <tr> <td>S30</td> <td>R56 E</td> </tr> <tr> <td>CC —</td> <td>S 6</td> </tr> <tr> <td>S31</td> <td></td> </tr> </table> <p>2017</p> </div>	S30	R56 E	CC —	S 6	S31	
S30	R56 E						
CC —	S 6						
S31							
	<p>From this point, the cor. of secs. 6 and 7, T. 13 N., R. 56 E., hereinbefore described, bears S. 0°06'10" W., 8.367 chs. dist.</p>						
	<hr/>						
	<p>The point for the 1/4 sec. cor. of sec. 31, on the W. bdy. of T. 13 N., R. 56 E. (Ruby Valley Guide Meridian), and at midpoint in latitude on the E. bdy. of sec. 31.</p>						
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.</p>						

SURVEY OF THE SUBDIVISIONAL LINES,
T. 13 1/2 N., R. 55 1/2 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<div style="text-align: center;"> <p>T13½N R55½E T13N R56E 1/4 S31</p> </div> <div style="text-align: center; margin-top: 20px;"> <p>2017</p> </div> <p>From this point, the 1/4 sec. cor. of sec. 7, T. 13 N., R. 56 E., hereinbefore described, bears S. 0°06'50" E., 8.821 chs. dist.</p> <hr/> <p>From the cor. of secs. 19, 24, 25 and 30, on the W. bdy. of the Tp., monumented with a stainless steel 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 survey of the E. bdy. of T. 13 1/2 N., R. 55 E., executed concurrently under this same Group.</p> <p>EAST, bet. secs. 19 and 30.</p> <p>40.000 Point for the 1/4 sec. cor. of secs. 19 and 30.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.</p> <div style="text-align: center; margin-top: 20px;"> <p>T13½N R55½E S19 1/4 — S30</p> </div> <div style="text-align: center; margin-top: 20px;"> <p>2017</p> </div> <p>79.962 Intersect the W. bdy. of T. 14 N., R. 56 E. (Ruby Valley Guide Meridian).</p> <p>Point for the closing cor. of secs. 19 and 30.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.</p>
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SURVEY OF THE SUBDIVISIONAL LINES,
T. 13 1/2 N., R. 55 1/2 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS

T13½N R55½E T14N	
S19	R56E
CC ———	S31
S30	

2017

From this point, the cor. of Tps. 13 and 14 N., R. 56 E.,
hereinbefore described, bears S. 0°01'10" E., 7.599 chs. dist.

The point for the 1/4 sec. cor. of sec. 30, on the W. bdy. of
T. 13 N., R. 56 E. (Ruby Valley Guide Meridian), and at midpoint
in latitude on the E. bdy. of sec. 30.

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.

T13½N T13N	
R55½E	R56E
1/4	
S30	

2017

From this point, the 1/4 sec. cor. of sec. 6, T. 13 N.,
R. 56 E., hereinbefore described, bears S. 0°06'10" W.,
7.983 chs. dist.

The point for the 1/4 sec. cor. of sec. 19, on the S. bdy. of
T. 14 N., R. 55 E., and at 40.000 chs. in departure EAST of the
closing cor. of T. 13 1/2 N., Rs. 55 and 55 1/2 E.

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.

T14N R55E

—————	
1/4 S19	
T13½N R55½E	

2017

From this point, the 1/4 sec. cor. of sec. 36, T. 14 N.,
R. 55 E., hereinbefore described, bears N. 89°59'50" E.,
15.074 chs. dist.

TOWNSHIP 13 1/2 NORTH, RANGE 55 1/2 EAST,
MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	GENERAL DESCRIPTION
	<p data-bbox="433 339 1427 482">The lands included in this survey are located in Nye County, Nevada, on the westerly edge of the community of Duckwater, Nevada. Access is gained by way of Nevada State Route No. 379 and various dirt roads. The average elevation of the area is 5950 feet.</p> <p data-bbox="433 518 1459 605">The area consists of a gentle east facing slope to the bottom of Duckwater Valley. Vegetation includes juniper, sage brush, various grasses and sparse cacti of varying species.</p>

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 west boundaries of Townships 13 and 14 North, Range 56 East (Ruby Valley Guide Meridian) and a portion of the south boundary of Township 14 North, Range 55 East, and surveyed the subdivisional lines of Township 13 1/2 North, Range 55 1/2 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. Hummer
 /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 west boundaries of Townships 13 and 14 North, Range 56 East (Ruby Valley Guide Meridian) and a portion of the south boundary of Township 14 North, Range 55 East, and the survey of the subdivisional lines of Township 13 1/2 North, Range 55 1/2 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. Hummer
 (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 13 1/2 North, Range 55 1/2 East, Mount Diablo Meridian, Nevada, is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor for Nevada)~~