

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF A PORTION

OF THE SUBDIVISIONAL LINES,

TOWNSHIP 4 SOUTH, RANGE 54 EAST,

OF THE MOUNT DIABLO MERIDIAN,

IN THE STATE OF NEVADA

EXECUTED BY

Matthew E. Campos, Cadastral Surveyor

Stephen J. Grimaldi, Cadastral Surveyor

Under Special Instructions dated July 20, 2018,

and approved July 20, 2018,

which provided for the surveys included under Group No. 988,

and Assignment Instructions dated July 20, 2018.

Survey commenced July 24, 2018

Survey completed March 7, 2019

INDEX DIAGRAM

TOWNSHIP 4 SOUTH, RANGE 54 EAST, MOUNT DIABLO MERIDIAN, NEVADA

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TOWNSHIP 4 SOUTH, RANGE 54 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS

The following field notes are those of the dependent resurvey of a portion of the subdivisional lines, Township 4 South, Range 54 East, Mount Diablo Meridian, Nevada.

History of GLO/BLM Surveys:

1881: M. F. Reilly and T. A. Magee, U.S. Deputy Surveyors, surveyed the south boundary (First Standard Parallel South, through Ranges 54 and 55 East), north boundary, east boundary, west boundary and subdivisional lines under Contract No. 117.

1964: E. W. Sibley, Cadastral Surveyor, dependently resurveyed portions of the east and north boundaries and a portion of the subdivisional lines, under Group No. 410.

1977: R. A. Pratt, Cadastral Surveyor, dependently resurveyed the First Standard Parallel South, through a portion of Ranges 54 and 55 East, under Group No. 548.

Before restoring the corners, the lines of the original surveys were retraced and a diligent search made for any evidence of the position 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. 988, dated July 20, 2018.

Measurements were made with Trimble R-10 Global Navigation Satellite System (GNSS) 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 into the field notes.

The NAD 1983 (2011) (EPOCH: 2010.0000) geographic position, of the following corners were determined by GPS static observations processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) AZDS DOLAN SPRINGS CORS ARP, SGU1 ST GEORGE PUTIL CORS ARP, GOL2 GOLDSTONE DS STA CORS ARP, KGMN MOJAVE FLOOD HQ CORS ARP, and ASBH BULLHEAD CITY CORPS ARP, and carried forward by RTK observations.

The cor. of secs. 3, 4, 33, and 34, on the N. bdy. of the Tp., is as follows:

Latitude: 37°38'07.743" N. Longitude: 115°53'55.695" W.

TOWNSHIP 4 SOUTH, RANGE 54 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS

The cor. of secs. 13, 18, 19, and 24, on the E. bdy. of the Tp., is as follows:

Latitude: 37°35'30.052" N. Longitude: 115°50'36.665" W.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 4 S., R. 54 E., MOUNT DIABLO MERIDIAN, NEVADA

Reestablishment of a Portion of the Survey Executed by
M. F. Reilly and T. A. Magee, U.S. Deputy Surveyors, in 1881

Beginning at the point for the cor. of secs. 15, 16, 21 and 22, at proportionate dist.; there is no remaining evidence of the original cor.

Set a stainless steel post, 2 1/2 ins. diam., 28 ins. long, 22 ins. in the ground, over a white plastic-encased magnet, and in a collar of stone, with brass cap mkd.

T4S R54E

S16	S15
S21	S22

2019

Drive a steel fence post, 6 ft. long, 2 ft. in the ground, with Land Survey Monument sign, 1 ft. dist., E. of cor.

Cor. is located on level ground amongst sagebrush; 0.05 chs. dist., W. of a barbed wire fence, 4 strands, bears N. and S.

From this point, the cor. of secs. 13, 18, 19 and 24, on the E. bdy. of the Tp., bears S. 89°33'20" E., 243.406 chs. dist., monumented with a quartzite stone, 18x11x6 ins. (Record: granite stone, 12x9x6 ins.), lying on a low mound of earth, 2 ft. diam., mkd. with 3 grooves on a face, and 3 grooves on the opposite face.

At the corner point

Set a stainless steel post, 2 1/2 ins. diam., 28 ins. long, 18 ins. in the ground, over a white plastic-encased magnet, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T4S	
R54E	R55E
S13	S18
S24	S19

2019

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 4 S., R. 54 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS

Incorporate mkd. stone within the mound of stone and drive a steel fence post, 6 ft. long, 1 1/2 ft. in the ground, with Land Survey Monument sign, 3.5 ft. dist., N. of cor.

Cor. is located on level ground, sandy/rocky soil, amongst sagebrush.

From this same point, the standard cor. of secs. 33 and 34, determined at the cor. of barbed wire fences, extending N. and E. and occupied by a galvanized steel fence cor. post, 2 ins. diam., firmly set, projecting 5 ft. above the ground, with a round cap on top, 2 1/4 ins. diam., bears S. 0°7'50" W., 240.984 chs. dist. The 1977 iron post was found lying loose in a disturbed position alongside an angle iron, of unknown origin, firmly set, projecting 8 ft. above the ground, bears S. 78°22' W., 0.085 chs. dist. from the fence cor. The angle iron is not utilized during the course of this survey. The position of the fence cor. correlates well with the record 1977 dependent resurvey measurements, and is accepted as the best available evidence of the position of the original cor.

Bury the 1977 iron post horizontally alongside the galvanized steel fence post, and mark the round cap.

SC
T4S R54E

S33 | S34

2019

Attach Land Survey Monument sign to galvanized steel fence post.
from which

A galvanized steel FENO rod, 3/4 ins. diam., 24 ins. long, driven 18 ins. in the ground to point of refusal, and in a mound of stone, 3 ft. base, to top, bears S. 45°00' W., 12.1 lks. dist., with aluminum cap, 3 1/4 ins. diam., on top, mkd.

B.L.M.
RM
T5S R54E
8 FT.
↑
TO COR.

2019
B.L.M.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 4 S., R. 54 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS

A galvanized steel FENO rod, 3/4 ins. diam., 24 ins. long, driven 15 ins. in the ground to point of refusal, and in a mound of stone, 3 ft. base, to top, bears N. 45°00' W., 12.1 lks. dist., with aluminum cap, 3 1/4 ins. diam., on top, mkd.

B.L.M.
RM
T4S R54E
8 FT.
TO COR.
S33
2019
B.L.M.

Cor. is located on a moderate south slope consisting of decomposed granite, amongst sagebrush and scattered junipers.

From this same point, the cor. of secs. 13, 18, 19 and 24, on the W. bdy. of the Tp., bears N. 89°47'10" W., 242.480 chs. dist., monumented with a granite stone, 11x8x3 ins. (Record: 9x7x6 ins.), mkd. with 3 grooves on a face, and 3 grooves on the opposite face.

At the corner point

Set a stainless steel post, 2 1/2 ins. diam., 28 ins. long, 22 ins. in the ground, over an orange plastic-encased magnet, and in a mound of stone, 2 ft. base, to top, with brass cap mkd.

T4S	
R53E	R54E
S13	S18

S24	S19

2019

Incorporate mkd. stone within the mound of stone and drive a steel fence post, 6 ft. long, 2 ft. in the ground, with Land Survey Monument sign, 2 ft. dist., S. of cor.

Cor. is located on level ground amongst sagebrush.

The control lines were fully retraced, and no evidence of intervening corners was found.

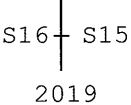
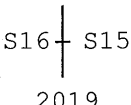
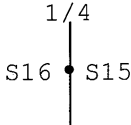
N. 0°03'20" W., bet. secs. 15 and 16.

10.059

Point for Witness Point No. 1.

Set a stainless steel post, 2 1/2 ins. diam., 28 ins. long, 22 ins. in the ground, over a white plastic-encased magnet, and in a collar of stone, with brass cap mkd.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 4 S., R. 54 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
	<div style="text-align: center;"> <p>WP1 T4S R54E</p>  <p>2019</p> </div> <p>Drive a steel fence post, 6 ft. long, 2 ft. in the ground, with Land Survey Monument sign, 2 ft. dist., E. of cor.</p> <p>Cor. is located on level ground, gravel soil, amongst sagebrush; 0.10 chs. dist., NW. of a wood fence cor., with 4 strands of barbed wire, extending N. 33° E. and S.</p>
11.05	<p>Back Gate Road, asphalt surfaced, 30 lks. wide, bears N. 46° E. and S. 46° W.</p>
11.955	<p>Point for Witness Point No. 2.</p> <p>Set a stainless steel post, 2 1/2 ins. diam., 28 ins. long, 22 ins. in the ground, over a white plastic-encased magnet, and in a mound of stone, 2 ft. base, to top, with brass cap mkd.</p>
	<div style="text-align: center;"> <p>WP2 T4S R54E</p>  <p>2019</p> </div> <p>Drive a steel fence post, 6 ft. long, 2 ft. in the ground, with Land Survey Monument sign, 2 ft. dist., E. of cor.</p> <p>Cor. is located on a dirt berm, amongst sagebrush; 0.08 chs. dist., W. of a barbed wire fence, 4 strands, bears N. and S.</p>
40.164	<p>Point for the 1/4 sec. cor. of secs. 15 and 16, at proportionate dist.; there is no remaining evidence of the original cor.</p> <p>Set a stainless steel post, 2 1/2 ins. diam., 28 ins. long, 28 ins. in the ground, over a white plastic-encased magnet, and in a collar of stone, with brass cap mkd.</p>
	<div style="text-align: center;"> <p>T4S R54E 1/4</p>  <p>2019</p> </div> <p>Drive a steel fence post, 6 ft. long, 2 ft. in the ground, with Land Survey Monument sign, 11.5 ft. dist., E. of cor., and along a fence line.</p>

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 4 S., R. 54 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>Cor. is located in the center of a dirt road, 12 lks. wide, bears N. and S., on level ground, sandy/gravel soil, amongst sagebrush; 0.17 chs. dist., W. of a barbed wire fence, 4 strands, bears N. and S.</p>				
80.328	<p>Point for the cor. of secs. 9, 10, 15 and 16, at proportionate dist.; there is no remaining evidence of the original cor.</p> <p>Set a stainless steel post, 2 1/2 ins. diam., 28 ins. long, 24 ins. in the ground, over an orange plastic-encased magnet, and in a mound of stone, 2 1/2 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T4S R54E</p> <table style="margin: auto; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S 9</td> <td style="padding: 0 5px;">S10</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S16</td> <td style="padding: 0 5px;">S15</td> </tr> </table> <p>2019</p> </div> <p>Drive a steel fence post, 6 ft. long, 2 ft. in the ground, with Land Survey Monument sign, 2 ft. dist., E. of cor.</p> <p>Cor. is located on level ground, sandy/gravel soil, amongst sagebrush; 0.15 chs. dist., W. of a dirt road, 12 lks. wide, bears N. and S.; and 0.32 chs. dist., W. of a barbed wire fence, 4 strands, bears N. and S.</p> <p>From this point, the cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp., bears N. 0°15'10" E., 159.513 chs. dist., 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 a portion of the S. bdy. of T. 3 S., R. 54 E., executed under Group No. 410.</p> <p>Cor. is located on level ground, sandy loam soil, amongst sagebrush; and under a barbed wire fence, 4 strands, bears N. and S.</p> <p>From this same point, the cor. of secs. 11, 12, 13 and 14, bears S. 88°58'40" E., 161.973 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above a mound of stone, 2 1/2 ft. diam., 6 ins. high on downhill side, with brass cap mkd. as described in the field notes of the dependent resurvey of a portion of the subdivisional lines of T. 4 S., R. 54 E., executed under Group No. 410.</p> <p>Cor. is located on a gentle SE. slope, in sandy loam soil, amongst sagebrush.</p> <p>From this same point, the cor. of secs. 7, 12, 13 and 18, on the W. bdy. of the Tp., bears N. 89°41'30" W., 242.338 chs. dist., monumented with a granite stone, 9x6x3 ins. (Record: 18x9x6 ins.), with 2 grooves on a face, and 4 grooves on the opposite face.</p> <p>At the corner point</p>	S 9	S10	S16	S15
S 9	S10				
S16	S15				

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 4 S., R. 54 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS

Set a stainless steel post, 2 1/2 ins. diam., 28 ins. long, 20 ins. in the ground, over an orange plastic-encased magnet, and in a mound of stone, 2 ft. base, to top, with brass cap mkd.

T4S	
R53E	R54E
S12	S 7

S13	S18

2019

Incorporate mkd. stone within mound of stone and drive a steel fence post, 6 ft. long, 2 ft. in the ground, with Land Survey Monument sign, 2 ft. dist., S. of cor.

Cor. is located on level ground, sandy/rocky soil, amongst sagebrush.

The control lines were fully retraced, and no evidence of intervening corners was found.

GENERAL DESCRIPTION

The township is located 6 miles southwest of Rachel, Nevada.

The lines resurveyed within the township are over rolling land. The elevation ranges 4,900 to 5,700 ft. above sea level. The soil varies from sandy loam to rocky. The vegetation consists of sagebrush and greasewood. There is scattered juniper in the higher elevations.

Access into the township is provided by improved and unimproved desert roads.

CERTIFICATE OF SURVEY

We, Matthew E. Campos, and Stephen J. Grimaldi, Cadastral Surveyors, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the July 20, 2018, we have dependently resurveyed a portion of the subdivisional lines, Township 4 South, Range 54 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.

FEB 11 2020

(Date)

Matthew Campos
(Cadastral Surveyor)

FEB 11 2020

(Date)

Stephen J. Grimaldi
(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, Township 4 South, Range 54 East, of the Mount Diablo Meridian, Nevada, executed by Matthew E. Campos and Stephen J. Grimaldi, Cadastral Surveyors, having been critically examined and found correct, are hereby approved.

JUL 23 2020

(Date)

Mahmud O. Hamman
(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 4 South, Range 54 East, Mount Diablo Meridian, Nevada, is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor for Nevada)~~