UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE DEPENDENT RESURVEY OF

A PORTION OF THE EAST BOUNDARY AND

A PORTION OF THE SUBDIVISIONAL LINES,

TOWNSHIP 20 NORTH, RANGE 29 EAST,

OF THE MOUNT DIABLO MERIDIAN,

IN THE STATE OF NEVADA

EXECUTED BY

Brandon K. Grace, Supervisory Cadastral Surveyor

Lance W. Smith, Nevada Professional Land Surveyor
(Experienced Services Program)

Under Special Instructions dated January 30, 2025,

and approved January 30, 2025,

which provided for the surveys included under Group No. 1022,

and Assignment Instructions dated January 30, 2025.

Survey commenced February 3, 2025

Survey completed May 6, 2025

INDEX DIAGRAM

TOWNSHIP 20 NORTH, RANGE 29 EAST, MOUNT DIABLO MERIDIAN, NEVADA

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TOWNSHIP 20 NORTH, RANGE 29 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS

The following field notes are those of the dependent resurvey of a portion of the east boundary and a portion of the subdivisional lines, Township 20 North, Range 29 East, Mount Diablo Meridian, Nevada.

1865 - The Fourth Standard Parallel North, through Range 29 East, was surveyed by U.S. Deputy Surveyor W. Epler, under Contract I.

1868 - The south, east and west boundaries, and the subdivisional lines were surveyed by U.S. Deputy Surveyor E.B. Monroe, under Contract Nos. 10 and 19.

1903-04 - Portions of the township were resurveyed by A.H. Thomas for the United States Geological Survey; the unrecorded field notes are on file with the Truckee-Carson Irrigation District.

Other surveys remote to this area are not included.

The dependent resurvey of a portion of the north boundary of Township 19 North, Range 29 East, was executed concurrently under Group No. 1018.

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.

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. 1022, dated January 30, 2025.

Measurements were made with Trimble R10-2 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 in the field notes.

The NAD 83(2011)(EPOCH:2010.0000) geographic position, of the following corners, was determined from Global Positioning System (GPS) static observations processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS);
AI8816 UPSA UPSA_BRGN_NV1997 ECCREF DIMPLE,
DH4796 TUNG TUNG_BRGN_NV1996 CORS MON,
DR8089 P129 DEADCOWPT_NV2007 CORS GRP,
DR8187 P069 INDIANPEAKNV2006 CORS GRP,
DR8199 P132 PARADISERDNV2006 CORS GRP,
and carried forward by RTK observations.

The corner of Townships 19 and 20 North, Ranges 29 and 30 East, is as follows:

Latitude: 39°32'52.779" N. Longitude: 118°40'07.948" W.

TOWNSHIP 20 NORTH, RANGE 29 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
	The corner of sections 25, 26, 35 and 36, is as follows: Latitude: 39°33'45.360" N. Longitude: 118°41'15.664" W.
	DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY, T. 20 N., R. 29 E., MOUNT DIABLO MERIDIAN, NEVADA
	Reestablishment of a Portion of the Survey Executed by U.S. Deputy Surveyor E.B. Monroe in 1868
	Beginning at the cor. of Tps. 19 and 20 N., Rs. 29 and 30 E., monumented with an aluminum post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above the ground, with aluminum cap mkd. as described in the field notes of the dependent resurvey of a portion of the E. bdy. of T. 19 N., R. 29 E., executed concurrently under Group No. 1018. N. 0°08'40" W., bet. secs. 31 and 36.
40.374	The 1/4 sec. cor. of secs. 31 and 36, reestablished by A.H. Thomas, in 1904, for the USGS, monumented with a vesicular basalt stone, 18x14x5 ins. (Thomas Record: 14x6x6 ins.), firmly set, projecting 6 ins. above the ground, mkd. with a 1/4 on the W. face, as described in the unrecorded field notes by A.H. Thomas on file with the Truckee-Carson Irrigation District, and is accepted as a careful and faithful reestablishment of the position of the original corner. At the corner point 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. T20N R29E R30E 1/4 S36|S31 2025 Bury vesicular basalt stone alongside stainless steel post.
	N. 0°09'20" W., beginning new measurement.
37.90	N. edge of Vaughn Slough, bears NE. and SW.
39.15	S. edge of marsh, bears E. and W.; enter marshland.

DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY,
T. 20 N., R. 29 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS
40.474

The cor. of secs. 25, 30, 31 and 36, perpetuated by A.H. Thomas, in 1904, for the USGS, monumented with a basalt stone, 14x8x6 ins. (Thomas Record: 16x8x6 ins.), firmly set, projecting 2 ins. above the ground, mkd. with 1 notch on S. edge and 5 grooves on E. face (Thomas Record: 1 notch on S. and 5 on N.), as described in the unrecorded field notes by A.H. Thomas on file with the Truckee-Carson Irrigation District, and is accepted as a careful and faithful perpetuation of the position of the original corner.

At the corner point

Set a stainless steel rod, 28 ins. long, 9/16 ins. diam., flush with the ground, over a plastic-encased magnet, with brass cap, 3 1/4 ins. diam., mkd.

T20N
R29E R30E
S25 | S30
S36 | S31

2025

Bury basalt stone alongside stainless steel rod.

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground, over a plastic-encased magnet, for a reference monument, bears N. 79°58' W., 100.0 lks. dist., with brass cap mkd. RM 1 T20N R29E 66 FT TO COR S25 2025 and an arrow pointing to the corner.

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set flush with the surface of the ground, over a plastic-encased magnet, for a reference monument, bears N. 11°59' W., 100.0 lks. dist., with brass cap mkd. RM 2 T20N R29E 66 FT TO COR S25 2025 and an arrow pointing to the corner.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 20 N., R. 29 E., MOUNT DIABLO MERIDIAN, NEVADA

Reestablishment of a Portion of the Survey Executed by U.S. Deputy Surveyor E.B. Monroe in 1868

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., monumented with a rebar, 5/8 in. diam., firmly set, projecting 2 ins. above the surface of a S. sloped concrete drainage irrigation lateral wall, with aluminum cap, 2 ins. diam., mkd. as described in the field notes of the dependent resurvey of a portion of the N. bdy. of T. 19 N., R. 29 E., executed concurrently under Group No. 1018.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 20 N., R. 29 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
	from which A reference monument, bears S. 0°39' E., 75.8 lks. dist., monumented with a stainless steel 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 dependent resurvey of a portion of the N. bdy. of T. 19 N., R. 29 E., executed concurrently under Group No. 1018. A reference monument, bears N. 0°39' W., 75.8 lks. dist., 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 dependent resurvey of a portion of the N. bdy. of T. 19 N., R. 29 E., executed concurrently under Group No. 1018. Corner is located, N., 5.6 lks. dist. from the center of a concrete irrigation lateral, bears E. and W.; and S. 21°21' W., 2.4 lks. dist., of a fence corner with barbed wire fences extending N. and E. N. 0°51'20" W., bet. secs. 35 and 36.
20.80	S. edge of Shaffner Drain, 100 lks. wide, course E., then NE.
21.85	Barbed wire fence, bears E. and W.
34.25	Enter grubbed area.
40.828	The 1/4 sec. cor. of secs. 35 and 36, monumented by Marvin Hamrick, Nevada Professional Land Surveyor No. 3917, no record found, with a rebar, 1/2 in. diam., 18 ins. long, firmly set 6 ins. below the surface of the ground, with plastic cap mkd. Osgood 3917, with an angle iron post set alongside. The position of the rebar correlates well with the position of the scribed stone reported by Rick P. Christian, Nevada Professional Land Surveyor No. 11178, as recorded in Churchill County, Nevada, Record of Survey, Book 18, Page 8, Document No. 411569, and later perpetuated by Steven N. Bell, Nevada Professional Land Surveyor No. 11420, recorded in Churchill County, Nevada, Record of Survey/Boundary Line Adjustment, Book 18, Page 24, Document No. 426298, and is accepted as the best available evidence of the position of the original corner. The basalt stone, 14x11x5 ins. (Thomas Record: 12x6x6 ins.), mkd. with a 1/4 on a face, as described in the unrecorded field notes by A.H. Thomas on file with the Truckee-Carson Irrigation District, bears S. 89°46' E., 0.06 chs. dist., was found inverted in a disturbed position partially buried in grubbed earth. Bell's rebar was searched for and not found. At the corner point 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.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 20 N., R. 29 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
	T20N R29E 1/4 S35|S36 2025 Insert rebar inside, bury basalt stone alongside and reset angle iron alongside stainless steel post.
	N. 0°11'10" W., beginning new measurement.
0.15	Leave grubbed area.
2.10	Enter graded lot.
19.60	Leave graded lot.
20.425	The N 1/16 sec. cor. of secs. 35 and 36, determined by Marvin Hamrick, Nevada Professional Land Surveyor No. 3917, no record found, monumented with a rebar, 1/2 in. diam., 18 ins. long, firmly set 6 ins. below the surface of the ground. This rebar has been adopted by Rick P. Christian, Nevada Professional Land Surveyor No. 11178, as recorded in Churchill County, Nevada, Record of Survey, Book 18, Page 8, Document No. 411569, and correlates well with the position later determined by Steven N. Bell, Nevada Professional Land Surveyor No. 11420, recorded in Churchill County, Nevada, Record of Survey/Boundary Line Adjustment, Book 18, Page 24, Document No. 426298, and is accepted as a careful and faithful determination of the position of the corner. At the corner point Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, over plastic encased magnet, with brass cap mkd. N1/16 S35|S36 2025 Insert rebar inside stainless steel post.
	N. 0°14'00" W., beginning new measurement.
0.20	Barbed wire fence, bears E. and W. From this point the cor. of barbed wire fences bears W., 2.7 lks. dist., with fences extending N. and E.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 20 N., R. 29 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
10.200	The N-N 1/64 sec. cor. of secs. 35 and 36, determined by Marvin Hamrick, Nevada Professional Land Surveyor No. 3917, no record found, monumented with a rebar, 1/2 in. diam., 18 ins. long, firmly set, projecting 1 in. above the ground, with degraded plastic cap faintly mkd. 917. This rebar has been adopted by Rick P. Christian, Nevada Professional Land Surveyor No. 11178, as recorded in Churchill County, Nevada, Record of Survey, Book 18, Page 8, Document No. 411569, and is accepted as a careful and faithful determination of the position of the corner. At the corner point Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, over plastic encased magnet, with brass cap mkd. N-N 1/64 S35 | S36 2025 Insert rebar inside stainless steel post. Corner is located N. 36°08' E., 3.6 lks. dist., of a fence corner, with barbed wire fences extending S. and W.
	N. 0°09'50" W., beginning new measurement.
2.25	Trail road, bears E. and W.
10.206	The cor. of secs. 25, 26, 35 and 36, perpetuated by A.H. Thomas, in 1904, for the USGS, and further perpetuated by Marvin Hamrick, Nevada Professional Land Surveyor No. 3917, no record found, monumented with a rebar, 1/2 in. diam., 18 ins. long, firmly set, projecting 2 ins. above the ground, with no marks visible on the degraded plastic cap, with a basalt stone, 14x9x4 ins. (Thomas Record: 14x8x6 ins.), lying loose alongside, mkd. with 1 groove on a face and 1 notch on adjacent edge, as described in the unrecorded field notes by A.H. Thomas on file with the Truckee-Carson Irrigation District. The rebar is accepted as a careful and faithful perpetuation of the position of the original corner. At the corner point 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. T20N R29E S26 | S25 S35 | S36 2025

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 20 N., R. 29 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
	Insert rebar inside and bury basalt stone alongside stainless steel post.
	From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp., hereinbefore described.
	S. 89°55'50" W., bet. secs. 25 and 36.
0.30	W. edge of marsh, bears N. and S.; leave marshland and ascend over rolling sand dune ridge.
4.50	E. edge of Vaughn Slough, bears N. and S.
6.20	W. edge of Vaughn Slough, bears N. and S.
40.085	The 1/4 sec. cor. of secs. 25 and 36, reestablished by A.H. Thomas, in 1904, for the USGS, monumented with a basalt stone, 15x13x8 ins. (Thomas Record: 14x8x4 ins.), lying loose, face down, projecting 5 ins. above the ground, mkd. with a 1/4 on a face, as described in the unrecorded field notes by A.H. Thomas on file with the Truckee-Carson Irrigation District, and is accepted as a careful and faithful reestablishment of the position of the original corner.
	At the corner point
	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.
	T20N R29E S25 1/4 —— S36 2025
	Bury basalt stone alongside stainless steel post.
	S. 89°45'20" W., beginning new measurement.
40.069	The cor. of secs. 25, 26, 35 and 36.

TOWNSHIP 20 NORTH, RANGE 29 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
	GENERAL DESCRIPTION The land surveyed within Township 20 North, Range 29 East, is located northeast of Fallon, Nevada. The land consists of low-lying sand dunes and agricultural land; generally, draining north to the Carson Sink. The average elevation is approximately 3900 ft. above sea level. Access is provided by paved and dirt roads throughout the area.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Thomas D. Dockery	Lead Wildland Firefighter

CERTIFICATE OF SURVEY

We, Brandon K. Grace, Supervisory Cadastral Surveyor, and Lance W. Smith, Nevada Professional Land Surveyor (Experienced Services Program), HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing the date of the 30th day of January, 2025, we have dependently resurveyed a portion of the east boundary and a portion of the subdivisional lines, Township 20 North, Range 29 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.

SEP 17 2026
(Date)

Brandon K. Grace
(Supervisory Cadastral Surveyor)

SEP 17 2026
(Date)

(Nevada Professional Land Surveyor
Experienced Services Program)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Reno, Nevada

The foregoing field notes of the dependent resurvey of a portion of the east boundary and a portion of the subdivisional lines, Township 20 North, Range 29 East, of the Mount Diablo Meridian, Nevada, executed by Brandon K. Grace, Supervisory Cadastral Surveyor, and Lance W. Smith, Nevada Professional Land Surveyor (Experienced Services Program), having been critically examined and found correct, are hereby approved.

SEP 25 2026
(Date)

Clarence D. Strickland
(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 20 North, Range 29 East, Mount Diablo Meridian, Nevada, is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor for Nevada)~~