UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

OF THE

SURVEY

OF

A PORTION OF THE SUBDIVISIONAL LINES

OF

TOWNSHIP 16 NORTH, RANGE 30 EAST,

OF THE MOUNT DIABLO MERIDIAN,

IN THE STATE OF NEVADA

EXECUTED BY

Brock R. Clifford, Cadastral Surveyor

Thomas E. Casinger, Cadastral Surveyor

Under Special Instructions dated June 10, 1996,

and approved June 10, 1996,

and Supplemental Special Instructions dated April 30, 1998,

and approved April 30, 1998,

which provided for the surveys included under Group No. 763,

and Assignment Instructions dated June 10, 1996

and November 3, 1997.

Survey commenced July 7, 1996

Survey completed July 2, 1998

INDEX DIAGRAM

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TOWNSHIP 16 NORTH, RANGE 30 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS

The following field notes are those of the survey of a portion of the subdivisional lines of Township 16 North, Range 30 East, Mount Diablo Meridian, Nevada.

A portion of the south boundary of T. 17 N., R. 30 E., was surveyed by U.S. Deputy Surveyor E.B. Monroe, in 1868, under Contract No. 10. A portion of the south boundary of T. 17 N., R. 30 E., was resurveyed and a portion was surveyed, and a portion of the east boundary of T. 16 N., R. 29 E., was surveyed by U.S. Deputy Surveyors M.F. Reilly and T.A. Magee, in 1881, under Contract No. 108. A portion of the subdivisional lines was surveyed, and certain sections were subdivided by Cadastral Surveyor B.R. Clifford, in 1991-95 under Group No. 711. Other surveys remote to this area are not included.

The dependent resurvey of a portion of the south boundary and the completion survey of the south boundary of T. 17 N., R. 30 E., and the dependent resurvey of a portion of the east boundary and the survey of a portion of the east boundary of T. 16 N., R. 29 E., were executed concurrently under this same group.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, the Special Instructions dated June 10, 1996, and the Supplemental Special Instructions dated April 30, 1998.

The direction of the lines of this survey were determined by azimuth taken from GPS positions at the cor. of secs. 31 and 32 only, T. 17 N., R. 30 E., and the $^{1}/_{4}$ sec. cor. of sec. 33 only, T. 17 N., R. 30 E., and by use of Global Positioning System satellite data, using the real time kinematic survey process, and refer to the true meridian. The lines were carried forward by sustained angulation throughout the progress of the survey.

The vertical angles of measurements made on the slope were ascertained with a theodolite in good adjustment; the horizontal equivalents only are entered in the field notes.

The geographic position for the cor. of secs. 1 and 12 only, T. 16 N., R. 29 E., is at Lat. 39°16'13.242" N. and Long. 118°40'12.157" W. - NAD 83 (1986), as determined by survey grade GPS receivers, in 1996, from NGS stations "WYE" and "X 46".

The 1980 mean magnetic declination is 16° E., as shown on U.S.G.S. quadrangle map "CARSON LAKE, NEV." dated 1985.

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SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 16 N., R. 30 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
	Beginning at the point for the cor. of secs. 4, 5, 8 and 9, determined N. 0°02'50" W., 320.00 chs. dist. from the cor. of secs. 28, 29, 32 and 33.
	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.
	T16N R30E S 5 | S 4 --- S 8 | S 9 1996
	Set a steel fence post, 5 ft. long, alongside the stainless steel post.
	From this point, the cor. of secs. 28, 29, 32 and 33, bears S. 0°02'50" E., 320.000 chs. 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 survey of a portion of the subdivisional lines of T. 16 N., R. 30 E., executed under Group No. 711.
	N. 0°02'50" W., bet. secs. 4 and 5.
	Over alkali flat.
40.000	Point for the $^1/_4$ sec. cor. of secs. 4 and 5.
	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.
	T16N R30E 1/4 S 5 | S 4 1996
	Set a steel fence post, 5 ft. long, alongside the stainless steel post.
80.000	Point for the 80 $^1/_{16}$ sec. cor. of secs. 4 and 5.
	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.
	80 $^1/_{16}$ S 5 | S 4 1996
	Set a steel fence post, 5 ft. long, alongside the stainless steel post.
85.772	Intersect the S. bdy. of sec. 33, T. 17 N., R. 30 E.
	Point for the closing cor. of secs. 4 and 5.

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SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 16 N., R. 30 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
	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. T17N R30E S 33 S 5 | S 4 T16N | R30E CC 1996 Set a steel fence post, 5 ft. long, alongside the stainless steel post. From this point, the cor. of secs. 32 and 33 only, T. 17 N., R. 30 E., bears N. 89°46'40" W., 7.027 chs. 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 T. 17 N., R. 30 E., executed concurrently under this same group. Land, nearly level. Soil, alkali and sand. Vegetation, widely scattered greasewood and shadscale.
	From the cor. of secs. 4, 5, 8 and 9. N. 89°59'00" W., bet. secs. 5 and 8. Over alkali flat.
39.993	Point for the $^1/_4$ sec. cor. of secs. 5 and 8. 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. T16N R30E S 5 1/4 S 8 1996 Set a steel fence post, 5 ft. long, alongside the stainless steel post.
79.986	Point for the cor. of secs. 5, 6, 7 and 8, determined N. 0°03'30" W., 320.00 chs. dist. from the cor. of secs. 29, 30, 31 and 32. 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.

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SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 16 N., R. 30 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
	T16N R30E S 6 | S 5 S 7 | S 8 1996 Set a steel fence post, 5 ft. long, alongside the stainless steel post. From this point, the cor. of secs. 29, 30, 31 and 32, bears S. 0°03'30" E., 320.000 chs. 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 survey of a portion of the subdivisional lines of T. 16 N., R. 30 E., executed under Group No. 711. Land, nearly level. Soil, alkali and sand. Vegetation, widely scattered greasewood and shadscale.
	N. 0°03'30" W., bet. secs. 5 and 6. Over alkali flat.
40.000	Point for the $^1/_4$ sec. cor. of secs. 5 and 6. 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. T16N R30E 1/4 S 6 | S 5 1996 Set a steel fence post, 5 ft. long, alongside the stainless steel post.
80.000	Point for the 80 $^1/_{16}$ sec. cor. of secs. 5 and 6. 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. 80 $^1/_{16}$ S 6 | S 5 1996 Set a steel fence post, 5 ft. long, alongside the stainless steel post.
86.022	Intersect the S. bdy. of sec. 32, T. 17 N., R. 30 E. Point for the closing cor. of secs. 5 and 6. 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.

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SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 16 N., R. 30 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS

T17N R30E
S 32

S 6 | S 5
T16N | R30E
CC

1996

Set a steel fence post, 5 ft. long, alongside the stainless steel post.

From this point, the cor. of secs. 31 and 32 only, T. 17 N., R. 30 E., bears N. 89°48'40" W., 7.501 chs. 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 T. 17 N., R. 30 E., executed concurrently under this same group.

Land, nearly level.
Soil, alkali and sand.
Vegetation, widely scattered greasewood and shadscale.

The point for the $^1/_4$ sec. cor. of sec. 5 only, on the S. bdy. of sec. 32, T. 17 N., R. 30 E., determined at midpoint on the N. bdy. of sec. 5.

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.

T17N R30E

$^1/_4$ S 5
T16N R30E

1996

Set a steel fence post, 5 ft. long, alongside the stainless steel post.

From this point, the $^1/_4$ sec. cor. of sec. 32 only, T. 17 N., R. 30 E., bears N. 89°48'30" W., 7.241 chs. 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 T. 17 N., R. 30 E., executed concurrently under this same group.

From the cor. of secs. 5, 6, 7 and 8.

WEST, bet. secs. 6 and 7, on a transit line describing the tangent.

Over alkali flat.

40.000 Point for the $^1/_4$ sec. cor. of secs. 6 and 7, NORTH 0.2 lks. from the tangent.

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.

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SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 16 N., R. 30 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
	T16N R30E S 6 1/4 —— S 7 1996
	Set a steel fence post, 5 ft. long, alongside the stainless steel post.
80.000	Point for the 80 $^{1}/_{16}$ sec. cor. of secs. 6 and 7, NORTH 0.8 lks. from the tangent.
	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.
	80 S 6 / S 7 $^{1}/_{16}$ 1996
	Set a steel fence post, 5 ft. long, alongside the stainless steel post.
92.871	Intersect the E. bdy. of sec. 1, T. 16 N., R. 29 E.
	Point for the closing cor. of secs. 6 and 7, N. 0°27'40" E. 1.1 lks. from the tangent.
	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.
	T16N R29E | R30E S 6 S 1 ——CC S 7 1996
	Set a steel fence post, 5 ft. long, alongside the stainless steel post.
	From this point, the cor. of secs. 1 and 12 only, T. 16 N., R. 29 E., bears S. 0°27'40" W., 1.592 chs. 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 T. 16 N., R. 29 E., executed concurrently under this same group.
	Land, nearly level. Soil, alkali and sand. Vegetation, widely scattered greasewood and shadscale.

	The point for the $^{1}/_{4}$ sec. cor. of sec. 6 only, on the S. bdy. of sec. 31, T. 17 N., R. 30 E., determined at 40.000 chs. in departure from the closing cor. of secs. 5 and 6.

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SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 16 N., R. 30 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS

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.

T17N R30E

$^1/_4$ S 6
T16N R30E

1998

Set a steel fence post, 5 ft. long, alongside the stainless steel post.

From this point, the $^1/_4$ sec. cor. of sec. 31 only, T. 17 N., R. 30 E., bears WEST, 7.501 chs. 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 T. 17 N., R. 30 E., executed concurrently under this same group.

The point for the 80 $^1/_{16}$ sec. cor. of sec. 6 only, on the S. bdy. of T. 17 N., R. 30 E., determined at 80.000 chs. in departure from the closing cor. of secs. 5 and 6.

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.

80 $^1/_{16}$
S 6

1998

Set a carsonite post, 5 ft. long, alongside the stainless steel post.

From this point, the cor. of Tps. 16 and 17 N., Rs. 29 and 30 E., identical with Angle Pt. No. 1, Tract 37, T. 16 N., R. 29 E., Angle Pt. No. 10, Tract 37, T. 17 N., R. 29 E. and Angle Pt. No. 2, Tract 37, T. 17 N., R. 30 E., bears WEST, 12.453 chs. dist., monumented with a stainless steel 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 T. 16 N., R. 29 E., executed concurrently under this same group.

The point for the $^1/_4$ sec. cor. of sec. 6 only, on the E. bdy. of sec. 1, T. 16 N., R. 29 E., determined at 40.000 chs. in latitude from the closing cor. of secs. 6 and 7.

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.

T16N
R29E | R30E
$^1/_4$ S 6

1998

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SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 16 N., R. 30 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS

Set a carsonite post, 5 ft. long, alongside the stainless steel post.

From this point, the $^{1}/_{4}$ sec. cor. of sec. 1 only, T. 16 N., R. 29 E., bears SOUTH, 1.448 chs. 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 T. 16 N., R. 29 E., executed concurrently under this same group.

The point for the 80 $^{1}/_{16}$ sec. cor. of sec. 6 only, on the E. bdy. of T. 16 N., R. 29 E., determined at 80.000 chs. in latitude from the closing cor. of secs. 6 and 7.

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.

$$\left|\begin{matrix} 80\ ^{1}/_{16} \\ S\ 6 \end{matrix}\right.$$

1998

From this point, the cor. of Tps. 16 and 17 N., Rs. 29 and 30 E., identical with Angle Pt. No. 1, Tract 37, T. 16 N., R. 29 E., Angle Pt. No. 10, Tract 37, T. 17 N., R. 29 E. and Angle Pt. No. 2, Tract 37, T. 17 N., R. 30 E., bears NORTH, 6.055 chs. dist., hereinbefore described.

GENERAL DESCRIPTION

The area surveyed within Township 16 North, Range 30 East is predominantly alkali flats, with the elevation ranging from about 3,910 to 3,950 ft. above sea level. The soil is mostly sandy loam. The vegetation consists of mesquite, creosote brush and Brigham tea.

Access is obtained by trail roads in the area, most originating from U.S. Highway No. 95.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Ronald E. Williams . . . . . Cadastral Surveyor

Peter F. Perrazo . . . . . Surveying Technician

Clay W. Morrow . . . . . Surveying Technician

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CERTIFICATE OF SURVEY

We, Brock R. Clifford and Thomas E. Casinger, Cadastral Surveyors, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 10th day of June, 1996, and Supplemental Special Instructions bearing date of the 30th day of April, 1998, we have surveyed a portion of the subdivisional lines of Township 16 North, Range 30 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 directions; and that said survey has been made in strict conformity with said special instructions and supplemental 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.

11/23/98
(Date)

David J. Clark
For Brock R. Clifford
(Cadastral Surveyor)

11/23/98
(Date)

Thomas E. Casinger
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Reno, Nevada

The foregoing field notes of the survey of a portion of the subdivisional lines of Township 16 North, Range 30 East, Mount Diablo Meridian, Nevada, executed by Brock R. Clifford and Thomas E. Casinger, Cadastral Surveyors, having been critically examined and found correct, are hereby approved.

11/23/98
(Date)

David J. Clark
(Chief Cadastral Surveyor, Nevada)

~~CERTIFICATE OF TRANSCRIPT~~

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 16 N., R. 30 E., M.D.M., Nevada, is a true copy of the original field notes.

~~(Date)~~

~~(Chief Cadastral Surveyor, Nevada)~~