

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF

A PORTION OF THE SUBDIVISIONAL LINES,

A PORTION OF THE SUBDIVISION-OF-SECTION LINES OF SECTION 27

AND

A PORTION OF THE MEANDERS OF LAKE TAHOE,

AND

THE FURTHER SUBDIVISION OF SECTION 27,

TOWNSHIP 15 NORTH, RANGE 18 EAST,

OF THE MOUNT DIABLO MERIDIAN,

IN THE STATE OF NEVADA

EXECUTED BY

Lance A. Barney, Cadastral Surveyor

Under Special Instructions dated August 12, 2009,

and approved August 12, 2009,

which provided for the surveys included under Group No. 883,

and Assignment Instructions dated August 13, 2009.

Survey commenced August 16, 2009

Survey completed November 11, 2010

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TOWNSHIP 15 NORTH, RANGE 18 EAST, MOUNT DIABLO MERIDIAN, NEVADA

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TOWNSHIP 15 NORTH, RANGE 18 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS

The following field notes are those of the dependent resurvey of a portion of the subdivisional lines, a portion of the subdivision-of-section lines of section 27 and a portion of the meanders of Lake Tahoe, and the further subdivision of section 27, Township 15 North, Range 18 East, Mount Diablo Meridian, Nevada.

The north boundary was surveyed by U.S. Deputy Surveyor B. Ives in 1861 under Contract "A". A portion of the south boundary and the east boundary were surveyed by U.S. Deputy Surveyor J.S. Lawson in 1862 under Contract "B". The subdivisional lines were surveyed under Contract "E" and the meander lines along the easterly shore of Lake Tahoe (Lake Bigler) were surveyed under Contract "F" by U.S. Deputy Surveyor B. Ives in 1865. Certain corners of the east boundary were remonumented by R. Pratt and W. Jepson, Cadastral Surveyors, in 1966 under Group No. 393. A portion of the east boundary was dependently resurveyed by Cadastral Surveyors F.E. Wheeler, D.J. Rogers and B.L. Mikkelsen in 1987-91 under Group No. 647. A portion of the south boundary was dependently resurveyed by Cadastral Surveyor D.L. Dukleth in 1989-91 under Group No. 657. A portion of the subdivisional lines and a portion of the meanders of Lake Tahoe were dependently resurveyed, certain sections were subdivided, a portion of Highway No. 28 was surveyed by metes-and-bounds in section 11, and lot 5, in section 22 was surveyed by Cadastral Surveyors F.E. Wheeler and B.L. Mikkelsen in 1991-93 under Group No. 700.

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.

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, 1973, and the Special Instructions for Group No. 883, dated August 12, 2009.

Measurements were made with Trimble R-8 Global Positioning System (GPS) 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 1983 (CORS 96) geographic position of the cor. of secs. 26, 27, 34 and 35, as determined from GPS static observations processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuous Operating Reference Stations (CORS) NW RENO COOP CORS ARP, CARSON CITY COOP CORS APR, ZOLEZZI COOP CORS ARP and carried forward by RTK observations is as follows:

Latitude: 39°07'38.024" N.

Longitude: 119°56'08.855" W.

The 1969 mean magnetic declination is 17 1/2° E., as shown on U.S.G.S. 7 1/2 minute quadrangle map "MARLETTE LAKE, NEV." dated 1955, photorevised in 1969.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 15 N., R. 18 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>Reestablishment of a Portion of the Survey Executed by U.S. Deputy Surveyor B. Ives in 1865 and a Portion of the Resurvey Executed by Cadastral Surveyors F.E. Wheeler and B.L. Mikkelsen in 1991-93</p>
	<p>Beginning at the cor. of secs. 26, 27, 34 and 35, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, in a mound of stone, 3 ft. base, 8 ins. high, with brass cap mkd. as described in the field notes of the 1991-93 dependent resurvey of a portion of the subdivisional lines executed under Group No. 700, from which the local bearing trees</p>
	<p>A yellow pine, 36 ins. diam., bears N. 86 1/2° E., 64 1/2 lks. dist., with a healed blaze.</p>
	<p>A yellow pine, 33 ins. diam., bears S. 89 3/4° E., 57 1/2 lks. dist., with a healed blaze.</p>
	<p>A yellow pine, 35 ins. diam., bears S. 76° W., 66 1/2 lks. dist., with a healed blaze.</p>
	<p>A yellow pine, 34 ins. diam., bears N. 74 1/2° W., 76 1/2 lks. dist., with a healed blaze.</p>
	<p>and the 1991-93 bearing trees</p>
	<p>A Jeffery pine, 30 ins. diam., bears N. 58° E., 31 1/2 lks. dist., mkd. R18E T15N S26 BT.</p>
	<p>A Jeffery pine stump, 24 ins. diam., bears S. 60 1/4° E., 81 1/2 lks. dist., faint remains of blaze visible.</p>
	<p>A Jeffery pine, 28 ins. diam., bears S. 56 1/2° W., 31 1/2 lks. dist., mkd. T15N R28E S34 BT.</p>
	<p>A Jeffery pine stump, 14 ins. diam., bears N. 83° W., 87 1/2 lks. dist., BT visible on remainder of open blaze.</p>
	<p>N. 0°05'30" E., bet. secs. 26 and 27.</p>
	<p>Ascending through medium timber with scattered underbrush.</p>
0.60	Trail road, bears NE. and SW.
11.40	Access road, 20 lks. wide, bears E. and W.
19.827	Point for the S 1/16 sec. cor. of secs. 26 and 27.
	POINT NOT MONUMENTED
35.70	Ridge, bears NE. and SW.
39.654	<p>The 1/4 sec. cor. of secs. 26 and 27, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, in a mound of stone, 2 1/2 ft. base, 8 ins. high, with brass cap mkd. as described in the field notes of the 1991-93 dependent resurvey of a portion of the subdivisional lines executed under Group No. 700, from which a local bearing tree</p>

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 15 N., R. 18 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
	<p>A fir, 22 ins. diam., dead and down, bears N. 79° W., 61 1/2 lks. dist., with no evidence of blaze or scribe mks.</p>
	<p>and the 1991-93 bearing trees</p>
	<p>A pine, 18 ins. diam., bears S. 58° E., 41 1/2 lks. dist., with a healed blaze.</p>
	<p>A granite boulder, 2 1/2 ft. sq. surface exposed, bears S. 46 1/4° W., 6 lks. dist., to X, mkd. BXO on top.</p>
	<hr/> <p>From the cor. of secs. 26, 27, 34 and 35.</p>
	<p>N. 89°49'30" W., bet. secs. 27 and 34.</p>
	<p>Ascending through medium timber with scattered underbrush.</p>
1.10	<p>Trail road, bears NE. and SW.</p>
10.60	<p>Ridge, bears N. and S.</p>
19.982	<p>Point for the E 1/16 sec. cor. of secs. 27 and 34.</p>
	<p>POINT NOT MONUMENTED</p>
39.964	<p>The 1/4 sec. cor. of secs. 27 and 34, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, in a mound of stone, 5 ft. base, 1 1/2 ft. high, with brass cap mkd. as described in the field notes of the 1991-93 dependent resurvey of a portion of the subdivisional lines executed under Group No. 700, from which the 1991-93 bearing trees</p>
	<p>A fir, 16 ins. diam., dead and standing, bears N. 35 1/2 ° E., 46 lks. dist., mkd. 1/4 S27 BT.</p>
	<p>A fir, 16 ins. diam., dead and standing, bears S. 80 1/4° E., 22 lks. dist., mkd. 1/4 S34 BT.</p>
	<hr/> <p>S. 89°44'50" W., beginning new measurement.</p>
	<p>Descending through medium timber with scattered underbrush.</p>
25.279	<p>The meander cor. of secs. 27 and 34, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, in a mound of stone, 4 ft. base, 1 1/2 ft. high, with brass cap mkd. as described in the field notes of the survey executed in 1991-93 under Group No. 700, from which the 1991-93 bearing objects</p>
	<p>A granite boulder, 7 X 12 X 8 ft. above ground, bears N. 77° E., 37 lks. dist. to X, mkd. BXO on W. face, 4 1/2 ft. above ground.</p>
	<p>A granite boulder, 6 X 7 X 6 ft. above ground, bears S. 53 1/2° E., 15 1/2 lks. dist. to X, mkd. BXO on NW. face, 4 ft. above ground.</p>
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DEPENDENT RESURVEY OF A PORTION OF
THE SUBDIVISION-OF-SECTION LINES OF SECTION 27,
T. 15 N., R. 18 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p style="text-align: center;">Reestablishment of the Subdivision Executed by Cadastral Surveyors F.E. Wheeler and B.L. Mikkelsen in 1991-93</p> <hr/> <p>From the 1/4 sec. cor. of secs. 26 and 27.</p> <p>S. 89°59'30" W., on the E-W center line of sec. 27.</p> <p>Descending through medium timber with scattered underbrush.</p> <p>19.935 The center E 1/16 sec. cor. of sec. 27, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, in a mound of stone, 3 ft. base, 10 ins. high, with brass cap mkd. as described in the field notes of the 1991-93 subdivision of section 27 executed under Group No. 700, from which the 1991-93 bearing trees</p> <p style="padding-left: 40px;">A Jeffery pine, 14 ins. diam., bears S. 55 3/4° E., 42 lks. dist., mkd. CE 1/16 S27 BT.</p> <p style="padding-left: 40px;">A Jeffery pine, 15 ins. diam., bears WEST, 45 1/2 lks., dist., mkd. CE 1/16 S27 BT.</p> <hr/> <p>S. 89°59'30" W., beginning new measurement.</p> <p>Continue decent through medium timber with scattered underbrush.</p> <p>17.334 The special meander cor. on the E. and W. center line of sec. 27, monumented with a brass tablet, 3 1/2 ins. diam., firmly set, flush with the surface of a boulder, 3 1/2 X 2 X 1 1/2 ft. high, with brass cap mkd. as described in the field notes of the survey executed in 1991-1993 under Group No. 700, from which the 1991-93 bearing trees</p> <p style="padding-left: 40px;">A Jeffery pine, 13 ins. diam., bears N. 58 1/2° E., 27 1/2 lks. dist., with scribe marks SMC S27 BT visible on open blaze.</p> <p style="padding-left: 40px;">A Jeffery pine, 14 ins. diam., dead and down, bears N. 18 1/2° W., 41 lks. dist., with scribe marks SMC S27 BT visible on open blaze.</p> <hr/>
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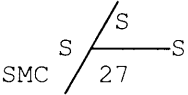
DEPENDENT RESURVEY OF A PORTION OF THE
ORIGINAL MEANDERS OF LAKE TAHOE,
T. 15 N., R. 18 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>Reestablishment of a Portion of the Survey Executed by B. Ives, U.S. Deputy Surveyor, in 1865 and a Portion of the Resurvey Executed by F.E. Wheeler and B.L. Mikkelsen, Cadastral Surveyors in 1991-93</p> <hr/> <p>The following meander lines are of the lake area formerly called Lake Bigler and now known as Lake Tahoe.</p> <p>The Non Riparian Broken Boundary Adjustment, "Compass Rule", was the mathematical solution used for meander course restoration, angle point determination and special meander corner positioning.</p> <p>The meander line will read in direction from the south to the north.</p> <p>Meanders of Lake Tahoe, along a portion of the E. shore, are along bench (bluff) above the rocky shore line.</p> <hr/> <p>From the meander cor. of secs. 27 and 34, hereinbefore described.</p> <p>Thence with the adjusted meanders of Lake Tahoe in sec. 27.</p> <p>N. 70°11'50" E., 3.518 chs. N. 11°21'30" E., 2.399 chs. S. 71°02'20" E., 3.120 chs. S. 55°08'00" E., 2.213 chs. S. 71°02'10" E., 2.617 chs. N. 55°16'00" E., 5.824 chs. N. 40°19'10" E., 2.306 chs. N. 56°15'50" E., 2.410 chs. S. 57°07'20" E., 1.710 chs. N. 88°05'40" E., 3.622 chs. N. 20°21'20" E., 4.304 chs. N. 73°10'50" E., 1.609 chs. S. 75°00'40" E., 5.132 chs. N. 48°17'40" E., 3.211 chs.</p> <p>At 1.177 chs., point for the special meander cor. at intersection with the E-W center line of the SW1/4 SE1/4 of sec. 27, hereinafter described.</p> <p>N. 12°21'30" E., 5.000 chs. N. 64°55'40" W., 2.584 chs.</p>
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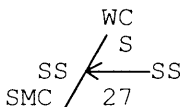
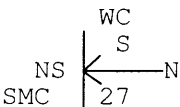
DEPENDENT RESURVEY OF A PORTION OF THE
ORIGINAL MEANDERS OF LAKE TAHOE,
T. 15 N., R. 18 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
	N. 32°20'20" E., 2.505 chs.
	N. 5°21'30" E., 4.596 chs. At 0.436 chs., the special meander cor. at intersection with the E-W center line of the SE1/4 of sec. 27, hereinafter described.
	N. 20°42'10" W., 2.889 chs.
	N. 0°21'00" E., 4.294 chs. At 3.042 chs., point for the special meander cor. at intersection with the E-W center line of the NW1/4SE1/4 of sec. 27, hereinafter described.
	N. 35°45'50" W., 10.644 chs. At end of course, the special meander cor. at the intersection with the E-W center line of sec. 27, hereinbefore described.
<hr/> FURTHER SUBDIVISION OF SECTION 27, T. 15 N., R. 18 E., MOUNT DIABLO MERIDIAN, NEVADA <hr/>	
	From the point for the E 1/16 sec. cor. of secs. 27 and 34. N. 0°09'30" E., on the N-S center line of the SE1/4 of sec. 27.
9.898	Point for the C-S-SE 1/64 sec. cor. of sec. 27. 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. S27 C-S-SE 1/64 2009
19.796	From this point, a position established by Darryl M. Harris, Nevada Professional Land Surveyor No. 6497, bears S. 15°22'30" W., 0.034 chs. dist., monumented with a rebar, 5/8 in. diam., firmly set, projecting 2 ins. above ground, with plastic cap mkd. D. Harris PLS 6497, as shown on an unrecorded and unsigned plat titled "Record of Survey for Washoe Tribe of Nevada and California". This position cannot be reconciled with proper procedures and is not utilized by this survey. Point for the SE 1/16 sec. cor. of sec. 27, at intersection with the E-W center line of the SE1/4. 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.

FURTHER SUBDIVISION OF SECTION 27,
T. 15 N., R. 18 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p style="text-align: center;">SE 1/16 S27</p> <p style="text-align: center;">2010</p>
29.692	<p>Point for the C-N-SE 1/64 sec. cor. of sec. 27.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 10 ins. in the ground, over a plastic-encased magnet, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">S27 C-N-SE 1/64</p> <p style="text-align: center;">2009</p> <p>From this point, a position established by Darryl M. Harris, Nevada Professional Land Surveyor No. 6497, bears S. 13°41'20" W., 0.015 chs. dist., monumented with a rebar, 5/8 in. diam., firmly set, projecting 2 ins. above ground, with plastic cap mkd. D. Harris PLS 6497, as shown on an unrecorded and unsigned plat titled "Record of Survey for Washoe Tribe of Nevada and California". This position cannot be reconciled with proper procedures and is not utilized by this survey.</p>
39.588	<p>The center E 1/16 sec. cor. of sec. 27.</p> <hr/> <p>From the S 1/16 sec. cor. of secs. 26 and 27.</p> <p>N. 89°54'50" W., on the E-W center line of the SE1/4 of sec. 27, on a weighted mean bearing.</p>
19.959	<p>The SE 1/16 sec. cor. of sec. 27.</p>
30.411	<p>Intersect the adjusted 1991-93 meander line of Lake Tahoe.</p> <p>Point for the special meander cor. on the E-W center line of the SE1/4 of sec. 27.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, over a plastic-encased magnet, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center;">  </div> <p style="text-align: center;">2009</p> <p>from which a local bearing object not of record</p> <p style="text-align: center;">A granite boulder, 2 1/2 ft. surface exposed, bears N. 85°30' E., 7.5 lks. dist., mkd. X on top.</p> <hr/> <p>From the C-S-SE 1/64 sec. cor. of sec. 27.</p> <p>N. 89°51'20" W., on the E-W center line of the SW1/4SE1/4, on a weighted mean bearing.</p>

FURTHER SUBDIVISION OF SECTION 27,
T. 15 N., R. 18 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	
12.026	<p>Point selected for the witness special meander cor. on the E-W center line of the SW1/4SE1/4 of sec. 27.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 28 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.</p> <div style="text-align: center;">  <p>2009</p> </div> <p>Point falls on southeast edge of stone walkway.</p>
12.054	<p>Intersect the adjusted 1991-93 meander line of Lake Tahoe.</p> <p>True point for the special meander cor. on the E-W center line of the SW1/4SE1/4 of sec. 27; falls in a stone walkway where it is impractical to establish a permanent monument.</p> <p>From this point, a position established by Darryl M. Harris, Nevada Professional Land Surveyor No. 6497, bears S. 50°52'40" W., 0.040 chs. dist., monumented with a rebar, 5/8 in. diam., firmly set, projecting 2 ins. above ground, with plastic cap mkd. D. Harris PLS 6497, as shown on an unrecorded and unsigned plat titled "Record of Survey for Washoe Tribe of Nevada and California". This position cannot be reconciled with proper procedures and is not utilized by this survey.</p> <hr/> <p>From the C-N-SE 1/64 sec. cor. of sec. 27.</p> <p>N. 89°58'20" W., on the E-W center line of the NW1/4SE1/4 of sec. 27, on a weighted mean bearing.</p>
10.354	<p>Point selected for the witness special meander cor. on the E-W center line of the NW1/4SE1/4 of sec. 27.</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, and in a collar of stone, 1 1/2 ft. base, with brass cap mkd.</p> <div style="text-align: center;">  <p>2009</p> </div>
11.094	<p>Intersect the adjusted 1991-93 meander line of Lake Tahoe.</p> <p>True point for the special meander cor. on the E-W center line of the NW1/4SE1/4 of sec. 27; falls along a rocky beach where it is impractical to establish a permanent monument.</p> <hr/>

TOWNSHIP 15 NORTH, RANGE 18 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	GENERAL DESCRIPTION
	<p>The area related to this survey in a portion of Section 27, Township 15 North, Range 18 East, is located on the east shore of Lake Tahoe. The secluded harbor, known as Skunk Harbor, can be reached by either boat or foot travel from State Hwy. 28, located approximately one mile to the east.</p> <p>The Newhall house, built during the California gold rush era, still stands on the sandy shore of Skunk Harbor.</p> <p>Elevation ranges from about 6220 feet at lake level to about 7200 along easterly edge of project area.</p> <p>The area is covered by alpine forest with brush and sage undergrowth.</p> <hr/>

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

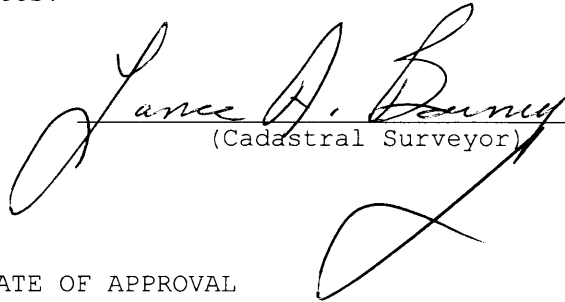
Michael O. Harmening	Land Surveyor
Matthew N. Black	Surveying Technician
Mark G. Petrosine	Surveying Technician
Michael A. Sandoval	Surveying Technician
Michael E. Swope	Surveying Technician

CERTIFICATE OF SURVEY

I, Lance A. Barney, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 12th day of August, 2009, I have dependently resurveyed a portion of the subdivisional lines, a portion of the subdivision-of-section lines of section 27 and a portion of the meanders of Lake Tahoe, and further subdivided section 27, Township 15 North, Range 18 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.

February 9, 2011

(Date)



(Cadastral Surveyor)

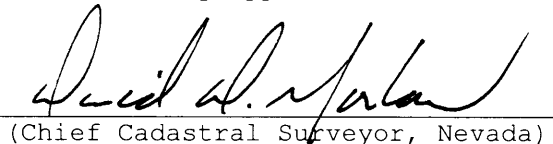
CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Reno, Nevada

The foregoing field notes of the dependent resurvey of a portion of the subdivision lines, a portion of the subdivision-of-section lines of section 27 and a portion of the meanders of Lake Tahoe, and the further subdivision of section 27, Township 15 North, Range 18 East, Mount Diablo Meridian, Nevada, executed by Lance A. Barney, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

February 11, 2011

(Date)



(Chief Cadastral Surveyor, Nevada)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY That the foregoing transcript of the field notes of the above described surveys in T. 15 N., R. 18 E., Mount Diablo Meridian, Nevada, is a true copy of the original field notes.~~

~~_____
(Date)~~

~~_____
(Chief Cadastral Surveyor, Nevada)~~