

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF

PORTIONS OF THE SOUTH AND EAST BOUNDARIES

AND

A PORTION OF THE SUBDIVISIONAL LINES

OF

TOWNSHIP 22 SOUTH, RANGE 62 EAST,

OF THE MOUNT DIABLO MERIDIAN,

IN THE STATE OF NEVADA

EXECUTED BY

Earnest E. Schaaf, Nevada Professional Land Surveyor

Under Contract No. NDC060018

And

Brock R. Clifford, Cadastral Surveyor

Under Special Instructions dated March 16, 2007,

and approved March 16, 2007,

which provided for the surveys included under Group No. 849,

and Assignment Instructions dated April 20, 2007,

and March 31, 2008.

Survey commenced May 1, 2007

Survey completed June 20, 2008

## INDEX DIAGRAM

TOWNSHIP 22 SOUTH, RANGE 62 EAST, MOUNT DIABLO MERIDIAN, NEVADA

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## TOWNSHIP 22 SOUTH, RANGE 62 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>The following field notes are those of the dependent resurvey of portions of the south and east boundaries and a portion of the subdivisional lines of Township 22 South, Range 62 East, Mount Diablo Meridian, Nevada.</p> <p>The west and north boundaries were surveyed by U.S. Deputy Surveyors J.M. Brunt and W.H. Procter in 1881 under Contract No. 127. The south and east boundaries and subdivisional lines were surveyed by U.S. Deputy Surveyor T.A. Magee in 1883 under Contract No. 149. The east boundary was resurveyed by Cadastral Engineer C.S. Swanholm in 1931 under Group No. 169. The south and west boundaries and subdivisional lines were dependently resurveyed by Cadastral Engineer E. Voigt and Assistant Cadastral Engineer J.W. Hardison in 1942-43 under Group No. 336. A portion of the south boundary was dependently resurveyed by Cadastral Surveyor R.A. Zaninovich in 1999 under Group No. 782.</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 Manual of Surveying Instructions, 1973, and the Special Instructions for Group No. 849, dated March 16, 2007.</p> <p>Measurements were made with Trimble 4000ssi and 4700 Global Positioning System (GPS) receivers using static and real-time kinematic (RTK) methods 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.</p> <p>The NAD 1983 (CORS 96) geographic position of the cor. of secs. 5, 6, 31, and 32, on the south boundary of the township as determined from Global Positioning System (GPS) static observations processed by the National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) LVWD LAS VEGAS VALLEY CORS ARP, NVLM AMS WT FACILITY CORS ARP, and KING KINGMAN CORS ARP, in 2007, and carried forward by RTK observation is as follows:</p> <p>Latitude: 35°59'02.775" N.                      Longitude: 115°05'00.546" W.</p> <p>The NAD 1983 (CORS 96) geographic position of the cor. of secs. 3, 4, 33 and 34, on the south boundary of the township as determined from GPS static observations processed by the National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) LVWD LAS VEGAS VALLEY CORS ARP, NVLM AMS WT FACILITY CORS ARP and KING KINGMAN CORS ARP, in 2007, and carried forward by RTK observation is as follows:</p> <p>Latitude: 35°59'02.086" N.                      Longitude: 115°02'52.223" W.</p>
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## TOWNSHIP 22 SOUTH, RANGE 62 EAST, MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>The NAD 1983 (CORS 96) geographic position of the cor. of Townships 22 and 23 South, Ranges 62 and 63 East, as determined from GPS static observations processed by the National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) LVWD LAS VEGAS VALLEY CORS ARP, NVLM AMS WT FACILITY CORS ARP and KING KINGMAN CORS ARP, in 2007, and carried forward by RTK observation is as follows:</p> <p>Latitude: 35°59'00.808" N.                      Longitude: 114°59'39.530" W.</p> <p>The 1989 mean magnetic declination is 13°30' E., as shown on U.S.G.S. 7 1/2 minute quadrangle map "SLOAN NE, NEVADA", provisional edition dated 1989.</p> <hr/> <p>DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY, T. 22 S., R. 62 E., MOUNT DIABLO MERIDIAN, NEVADA</p> <hr/> <p>Reestablishment of a Portion of the Survey Executed by T.A. Magee in 1883, a Portion of the Dependent Resurvey Executed by E. Voigt and J.W. Hardison in 1942-43, and a Portion of the Dependent Resurvey Executed by R.A. Zaninovich in 1999</p> <hr/> <p>From the 1/4 sec. cor. of secs. 3 and 34, monumented with an iron post, 1 in. diam., firmly set, projecting 8 ins. above a mound of stone, 4 ft. base, 2 ft. high, with brass cap mkd. as described in the field notes of the 1942-43 dependent resurvey executed under Group No. 336. Add the marks T22S T23S R62E 2008 on the brass cap.</p> <p>N. 89°45'10" W., bet. secs. 3 and 34.</p> <p>Over mountainous land.</p> <p>39.40      Ravine, drains N. 80° W.</p> <p>39.880      The cor. of secs. 3, 4, 33 and 34, reestablished by Richard R. Widmer, Nevada Professional Land Surveyor No. 12074, unrecorded, monumented with an iron pipe, 1 in. diam., firmly set in a mound of stone, 3 ft. base, to top, and is accepted as a careful and faithful reestablishment of the position of the 1942-43 corner, with brass cap mkd.</p> <div style="text-align: center;"> <table border="1"> <tr><td>T22S</td><td>R62E</td></tr> <tr><td>S33</td><td>S34</td></tr> <tr><td>S 4</td><td>S 3</td></tr> </table> <p>PLS 12074</p> </div> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., on bedrock, over a plastic-encased magnet, in a mound of stone, 5 ft. base, to top, with brass cap mkd.</p>	T22S	R62E	S33	S34	S 4	S 3
T22S	R62E						
S33	S34						
S 4	S 3						

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY,  
T. 22 S., R. 62 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>T22S R62E  S33   S34  S 4   S 3  T23S</p> <p>2007</p> <p>Deposit the iron pipe inside stainless steel post.</p> <hr/> <p>N. 89°45'30" W., bet. secs. 4 and 33.</p> <p>Over mountainous land.</p>
39.882	<p>The 1/4 sec. cor. of secs. 4 and 33, monumented with an iron post, 1 in. diam., firmly set, projecting 6 ins. above the ground, with brass cap mkd. as described in the field notes of the 1942-43 dependent resurvey executed under Group No. 336. Add the marks T22S T23S R62E 2008 on the brass cap.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 5 and 32, monumented with an iron post, 1 in. diam., firmly set in a mound of stone, with brass cap mkd. as described in the field notes of the 1942-43 dependent resurvey executed under Group No. 336. Add the marks T22S T23S R62E 2008 on the brass cap.</p> <p>N. 89°35'30" W., bet. secs. 5 and 32.</p> <p>Descend over open rolling land.</p>
19.973	<p>Point for the W 1/16 sec. cor. of secs. 5 and 32, at proportionate dist., there is no remaining evidence of the corner described in the field notes of the 1999 dependent resurvey executed under Group No. 782.</p> <p>POINT NOT MONUMENTED</p> <hr/> <p>N. 89°35'30" W., beginning new measurement.</p>
9.986	<p>Point for the W-W 1/64 sec. cor. of secs. 5 and 32, at proportionate dist., there is no remaining evidence of the corner described in the field notes of the 1999 dependent resurvey executed under Group No. 782.</p> <p>POINT NOT MONUMENTED</p> <hr/> <p>N. 89°35'30" W., beginning new measurement.</p>
9.985	<p>Point for the cor. of secs. 5, 6, 31 and 32, at proportionate distance by the method of single proportionate measurement of an irregular boundary, based on the recovery of the 1942-43 monument by Byron E. Johnson, Nevada Professional Land Surveyor No. 9390, recorded in Clark County, Nevada, File 82, Page 54 of Surveys. There is no remaining evidence of the 1942-43 corner.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, over a plastic-encased magnet, with brass cap mkd.</p>

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY,  
T. 22 S., R. 62 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<div data-bbox="878 264 1023 380"> <p>T22S R62E S31   S32 S 6   S 5 T23S</p> </div> <div data-bbox="917 405 980 428">2007</div> <div data-bbox="441 453 1445 598"> <p>From this point, the 1/4 sec. cor. of secs. 31 and 32, monumented with an iron post, 1 in. diam., firmly set, projecting 8 ins. above the ground, with brass cap mkd. as described in the field notes of the 1942-43 dependent resurvey executed under Group No. 336, bears N. 0°39'20" E., 40.001 chs. dist. Add the marks T22S R62E 2008 on the brass cap.</p> </div> <hr/> <div data-bbox="441 653 1029 678"> <p>N. 89°35'00" W., bet. secs. 6 and 31.</p> </div> <div data-bbox="295 703 1464 848"> <p>40.003 Point for the 1/4 sec. cor. of secs. 6 and 31, at proportionate distance by the method of single proportionate measurement of an irregular boundary, based on the recovery of the 1942-43 monument by Byron E. Johnson, Nevada Professional Land Surveyor No. 9390, recorded in Clark County, Nevada, File 82, Page 54 of Surveys. There is no remaining evidence of the 1942-43 corner.</p> </div> <div data-bbox="441 873 1464 945"> <p>Cor. falls on a concrete block wall on the S. side of a residential subdivision at the toe of a detention basin where it is impractical to set a permanent monument.</p> </div> <div data-bbox="441 968 761 991"> <p>POINT NOT MONUMENTED</p> </div> <hr/> <div data-bbox="441 1047 1125 1073"> <p>N. 89°33'50" W., beginning new measurement.</p> </div> <div data-bbox="295 1096 1464 1310"> <p>38.592 The cor. of Tps. 22 and 23 S., Rs. 61 and 62 E., reestablished by Byron E. Johnson, Nevada Professional Land Surveyor No. 9390, recorded in Clark County, Nevada, File 82, Page 54 of Surveys, subsequently perpetuated by Paul Burn, Nevada Professional Land Surveyor No. 11174, as recorded in Clark County, Nevada, File 98, Page 68 of Parcel Maps, monumented with a brass cap, in a monument well, 4 ins. below asphalt, mkd. PLS 11174, and is accepted as a careful and faithful reestablishment of the position of the original corner.</p> </div> <div data-bbox="441 1335 1416 1383"> <p>The cor. is located at the intersection of Eastern Avenue and Anthem Drive in the easterly S. bound lane of Anthem Drive.</p> </div> <hr/> <div data-bbox="529 1440 1372 1493"> <p>DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY, T. 22 S., R. 62 E., MOUNT DIABLO MERIDIAN, NEVADA</p> </div> <hr/> <div data-bbox="505 1549 1399 1621"> <p>Reestablishment of a Portion of the Survey Executed by T.A. Magee in 1883 and Portion of the Dependent Resurvey Executed by C.S. Swanholm in 1931</p> </div> <hr/> <div data-bbox="441 1680 1464 1869"> <p>From the cor. of Tps. 22 and 23 S., Rs. 62 and 63 E., perpetuated by Robert L. Carrington, Nevada Professional Land Surveyor No. 9103, as recorded in Clark County, Nevada, Document No. 20070612-0001839 of Corner Records, monumented with a rebar, 5/8 in. diam., firmly set flush with the ground, with an aluminum cap mkd. PLS 9103 CITY OF HENDERSON and is accepted as a careful and faithful perpetuation of the position of the 1931 corner.</p> </div>
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DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY,  
T. 22 S., R. 62 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, over a plastic-encased magnet, and in a mound of stone, 5 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center;"> <table> <tr><td>T22S</td><td></td></tr> <tr><td>R62E</td><td>R63E</td></tr> <tr><td>S36</td><td>S31</td></tr> <tr><td>S 1</td><td>S 6</td></tr> <tr><td>T23S</td><td></td></tr> </table> </div> <p>2007</p> <p>Insert the rebar inside the stainless steel post.</p> <p>N. 0°19'40" E., on the E. bdy. of sec. 36.</p> <p>Over open rolling land.</p>	T22S		R62E	R63E	S36	S31	S 1	S 6	T23S	
T22S											
R62E	R63E										
S36	S31										
S 1	S 6										
T23S											
39.931	<p>From this point, the 1/4 sec. cor. of sec. 31, T. 22 S., R. 63 E., monumented with an iron post, 1 in. diam., firmly set, projecting 6 ins. above a mound of stone, 3 ft. base, 2 ft. high, with brass cap mkd. as described in the field notes of the 1931 dependent resurvey of the W. bdy. of T. 22 S., R. 63 E., executed under Group No. 169, bears EAST, 0.019 chs. dist.</p>										
40.236	<p>Point for 1/4 sec. cor. of sec. 36, at proportionate distance based upon the official record of the 1931 dependent resurvey of T. 22 S., R. 63 E., executed under Group No. 169; there is no remaining evidence of the 1931 corner.</p> <p>Set a brass tablet, 3 1/4 ins. diam., 3 1/2-in. stem, cemented in a drill hole in solid rock, with top mkd.</p> <div style="text-align: center;"> <table> <tr><td>T22S</td><td></td></tr> <tr><td>R62E</td><td>R63E</td></tr> <tr><td>1/4 S36</td><td></td></tr> </table> </div> <p>2008</p> <p>From this point, a rebar, 5/8 in. diam., firmly set, projecting 1 in. above the ground, bears N. 23°17' E., 0.051 chs. dist., with an aluminum cap mkd. PLS 9047 VTN and was not utilized in this survey.</p>	T22S		R62E	R63E	1/4 S36					
T22S											
R62E	R63E										
1/4 S36											
79.00	<p>Curb S. side of Mission Drive, bears E. and W., continue over asphalt surface.</p>										
80.568	<p>Point for the cor. of secs. 25 and 36, at proportionate distance based upon the survey record of Sam Long, Nevada Professional Land Surveyor No. 9047, using the distance measurement as recorded in Clark County, Nevada, File 112, Page 77 of Surveys, bet. the 1/4 sec. cor. of sec. 31 and the cor. of secs. 25 and 36, combined with the survey record of Frederick W. Orbin, Nevada Professional Land Surveyor No. 4541, using the distance measurement as recorded in Clark County, Nevada, File 100, Page 31 of Surveys, bet. the cor. of secs. 25 and 36 and the 1/4 sec. cor. of sec. 30; there is no remaining evidence of the 1931 corner.</p>										

DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY,  
T. 22 S., R. 62 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>Set a brass tablet, 3 1/4 ins. diam., 3 1/2-in. stem, cemented in a drill hole in asphalt, with top mkd.</p> <div style="text-align: center;"> <p>T22S T22S S25   S36   R63E R62E S30</p> <p>2008</p> </div> <p>Cor. is located 5 lks. S. of the curb on the N. side of Mission Drive, bears E. and W.</p> <hr/> <p>N. 0°19'40" E., on the E. bdy. of sec. 25.</p> <p>39.403 The 1/4 sec. cor. of sec. 30, T. 22 S., R. 63 E., recovered by Wayne R. Sillitoe, Nevada Professional Land Surveyor No. 2048, as recorded in Clark County, Nevada, File 19, Page 25 of Surveys, and reestablished by Frederick W. Orban, Nevada Professional Land Surveyor No. 4541, as recorded in Clark County, Nevada, File 100, Page 31 of Surveys, monumented with a rebar, 5/8 in. diam., firmly set flush with the ground, with an aluminum cap mkd. FW ORBAN 1/4 30 PLS 4541 and is accepted as a careful and faithful reestablishment of the position of the 1931 corner.</p> <p>40.304 The 1/4 sec. cor. of sec. 25, recovered by Wayne R. Sillitoe, Nevada Professional Land Surveyor No. 2048, as recorded in Clark County, Nevada, File 19, Page 25 of Surveys, and reestablished by Frederick W. Orban, Nevada Professional Land Surveyor No. 4541, as recorded in Clark County, Nevada, File 100, Page 31 of Surveys, monumented with a rebar, 5/8 in. diam., firmly set flush with the ground, with an aluminum cap mkd. FW ORBAN 1/4 25 PLS 4541 and is accepted as a careful and faithful reestablishment of the position of the 1931 corner.</p> <hr/> <p style="text-align: center;">DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES, T. 22 S., R. 62 E., MOUNT DIABLO MERIDIAN, NEVADA</p> <hr/> <p style="text-align: center;">Reestablishment of a Portion of the Survey Executed by T.A. Magee in 1883 and a Portion of the Dependent Resurvey Executed by E. Voigt and J.W. Hardison in 1942-43</p> <hr/> <p>From the cor. of secs. 25 and 36, on the E. bdy. of the Tp., hereinbefore described.</p> <p>N. 89°31'00" W., bet. secs. 25 and 36.</p> <p>Over mountainous land.</p> <p>39.883 The 1/4 sec. cor. of secs. 25 and 36, monumented with an iron post, 1 1/2 ins. diam., firmly set, projecting 10 ins. above the ground, with brass cap mkd. as described in the field notes of the 1942-43 dependent resurvey executed under Group No. 336. Add the marks T22S R62E 2008 on the brass cap.</p>
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DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,  
T. 22 S., R. 62 E., MOUNT DIABLO MERIDIAN, NEVADA

CHAINS	<p>From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., hereinbefore described.</p> <p>N. 0°22'20" E., bet. secs. 33 and 34.</p> <p>Over mountainous land.</p> <p>0.40 Wash in bottom of ravine, drains W.; ascend steep S. slope.</p> <p>11.50 Ridge, bears E. and W.; descend N. slope along top of spur.</p> <p>18.50 Dirt road, 12 lks. wide, bears N. 55° E. and S. 55° W.</p> <p>29.50 Dirt road, 12 lks. wide, bears N. 76° E. and S. 76° W.</p> <p>30.60 Enter area disturbed by construction of subdivision.</p> <p>32.60 Exit area disturbed by construction of subdivision.</p> <p>39.748 The 1/4 sec. cor. of secs. 33 and 34, memorialized with a lava stone, 4x6x10 ins., mkd. with an "X", in a mound of stone, 5 ft. base, 3 ft. high, as described in the field notes of the 1942-43 dependent resurvey executed under Group No. 336. There is no remaining evidence of the iron post.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 6 ins. in the ground, over a plastic-encased magnet, in a mound of stone, 5 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T22S R62E 1/4 S33 S34 2007</p> <p>Deposit the mkd. stone in the mound of stone, alongside the stainless steel post.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <p>The average elevation of the area surveyed is 2500 feet. Drainage is to the W. on the westerly side of the township and to the E. on the easterly side of the township.</p> <hr/>
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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Jeffery J. Schaaf	Surveying Technician
Marvin S. Brown	Survey Aid
Sean R. Stevens	Survey Aid
John L. Burnett	Survey Aid
Kyle A. Hinkson	Survey Aid
Austin M. Loveless	Survey Aid

## CERTIFICATE OF SURVEY

We, Earnest E. Schaaf, Nevada Professional Land Surveyor, and Brock R. Clifford, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 16th day of March, 2007, we have dependently resurveyed portions of the south and east boundaries and a portion of the subdivisional lines of Township 22 South, Range 62 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.

June 12, 2009

(Date)

*Earnest E. Schaaf*  
(Nevada Professional Land Surveyor)

June 18, 2009

(Date)

*Brock R. Clifford*  
(Cadastral Surveyor)

## CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Reno, Nevada

The foregoing field notes of the dependent resurvey of portions of the south and east boundaries and a portion of the subdivisional lines of Township 22 South, Range 62 East, Mount Diablo Meridian, Nevada, executed by Earnest E. Schaaf, Nevada Professional Land Surveyor, and Brock R. Clifford, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

August 4, 2009

(Date)

*David A. Norton*  
(Chief Cadastral Surveyor, Nevada)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above described surveys in T. 22 S., R. 62 E., Mount Diablo Meridian, Nevada, is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor, Nevada)~~