

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF
A PORTION OF EAST BOUNDARY,
A PORTION OF THE SUBDIVISIONAL LINES,
AND

THE SUBDIVISION OF SECTIONS 14 & 24,

IN

TOWNSHIP 41 SOUTH, RANGE 17 WEST,

OF THE SALT LAKE MERIDIAN,

IN THE STATE OF UTAH

EXECUTED BY

Dale A. Graff
Cadastral Surveyor

Under Special Instructions dated *March 07, 2008*, approved *March 07, 2008*, which provided for the surveys included under Group Number *992*, Utah, and Assignment Instructions dated *March 07, 2008*.

Survey commenced *June 11, 2008*
Survey completed *October 30, 2008*

INDEX DIAGRAM

Township 41 South, Range 17 West

6	5	4	3	2	1
7	8	9	10	11	12
		16	16	14	
18	17	16	15 15	14 14 13	10 13 5 9
19	20	21	22	13 23 12	8 24 4 8
30	29	28	27	12 26 11	7 25 3 7
31	32	33	34	11 35	6 36

Subdivision of Section 14 Page 17
 Subdivision of Section 24 Page 17

T. 41 S., R. 17 W., SALT LAKE MERIDIAN, UTAH

The following field notes describe the dependent resurvey of a portion of the east boundary, a portion of the subdivisional lines, and the subdivision of sections 14 and 24, in T. 41 S., R. 17 W., Salt Lake Meridian, Utah.

History of Surveys

Surveyed by	Retr. or Resurveyed by	
SOUTH BOUNDARY		
All J.H. Winwood & H.L. Chamberlin 1909		
Portion	R.A. Zaninovich	1990
Portion	D.A. Graff	2008
EAST BOUNDARY		
All J.H. Winwood & H.L. Chamberlin 1910		
Portion	R. Gentry	1912
Portion	G.B. Hatch	1970
WEST BOUNDARY		
All J.H. Winwood & H.L. Chamberlin 1910		
NORTH BOUNDARY (Eighth Standard Parallel South)		
Portion T.C. Bailey	1877	
Portion	J.C. Clark	1905
All J.H. Winwood & H.L. Chamberlin 1909		
Portion	J.C. Clark	1911
Portion	H.W. Miller	1929
SUBDIVISION		
All J.H. Winwood & H.L. Chamberlin 1910		

PRIVATE SURVEYS

A survey executed by L. R. Pope, L.S. 153069, L. R. Pope Engineering & Surveying, as shown on the Shonto Point VIII-B Subdivision Plat, No. 468054, recorded May 23, 1994, in book 822, page 238, at the Washington County Recorder's Office.

A survey executed by Kelly R. Schmutz, L.S. 493875, Bush and Gudgell, Inc., as shown on a A.L.T.A./A.C.S.M. Land Title Plat, No. 5240-05, dated September 29, 2005, and filed at the Washington County Recorder's Office.

T. 41 S., R. 17 W., SALT LAKE MERIDIAN, UTAH

The survey was executed in accordance with the specifications as set forth in the Manual of Instructions for the Survey of the Public Lands of the United States, 1973, and the Special Instructions dated March 07, 2008, for Group No. 992, Utah.

The direction of the lines were determined by references to true meridians, established by Global Positioning System (GPS) utilizing Real-Time Kinematic (RTK) techniques throughout the survey. The positional accuracy of this survey complies with the *Standards and Guidelines for Cadastral Surveys Using Global Positioning System Methods*, dated May 9, 2001, Version 1.0. Trimble model 5800 GPS receivers were used for field collection. Cadastral Automated Plat Drafting (CAPD) software was the primary software utilized for project calculations.

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of record. Identified corners were remonumented in their original positions. Lost corners were reestablished and remonumented at proportionate positions based on the official record. The retracement data were thoroughly verified and only the true line field notes are given herein.

Cadastral Control Network was derived from GPS static observations, post processed by the National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS); NVLM AMS WF FACILITY CORS ARP, ECHO ECHO_BRGN_NV1999 CORS ARP, FRED FREDONIA CORS ARP.

The geographic positions for the corners listed below, as determined by direct RTK methods from the National Geodetic Survey OPUS solution are as follows:

The section corner of sections 8, 9, 16, and 17, Township 41 South, Range 17 West, Salt Lake Meridian, Utah.

Latitude 37°13'34.289" N., Longitude 113°46'13.928" W.
N.A.D.83, Network Accuracy = 0.200 meters at 95% confidence.

The section corner of sections 35 and 36 only, Township 41 South, Range 17 West, Salt Lake Meridian, Utah.

Latitude 37°10'05.247" N., Longitude 113°42'57.830" W.
N.A.D.83, Network Accuracy = 0.200 meters at 95% confidence.

DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY,
T. 41 S., R. 17 W., SALT LAKE MERIDIAN, UTAH

CHAINS

Dependent Resurvey of a Portion of the East Boundary,
T. 41 S., R. 17 W., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by
J.H. Winwood & H.L. Chamberlin in 1910, and
the Resurveys executed by R. Gentry in 1912
and G.B. Hatch in 1970.

From the corner of section 25 and 36 only, on the east boundary of the township, monumented with an iron post, 3 ins. diameter, firmly set, projecting 13 ins. above ground, with brass cap marked as described in the official record of the 1910 survey. The 1912 resurvey failed to remove marks for sections 30 and 31 as indicated in the official notes.

Remove marks for sections 30 and 31 and add the year 2008.

From the corner, a barbed wire fence corner bears northeast, 1 link distance, with fence lines extending north, east and west.

Corner is located on level, sandy, open ground.

N. 0°01.8' E. along the east boundary of section 25.

2.080 Closing corner of sections 30 and 31, T. 41 S., R. 16 W., bears West, 0.019 chains distance, monumented with an iron post, 2 ins. diameter, firmly set, projecting 5 ins. above ground, with brass cap marked as described in the official record of the 1912 resurvey.

From the iron post, a barbed wire fence line bears east, 1 link distance, fence line extends north and south.

Corner is located on level, sandy, open ground.

38.663 The witness corner for the 1/4 section corner of section 25 only and the witness corner for the 1/4 section corner of section 30 only, T. 41 S., R. 16 W., monumented with an iron post, 1 in. diameter, firmly set, projecting 6 ins. above a supporting mound of stone, 3 ft. base, 19 ins. high, with brass cap marked as described in the official record of the 1910 survey. This monument previously functioned as the witness corner for the 1/4 section corner of sections 25 and 30.

Remark brass cap to indicate the 1/4 section corners are not common and add the year 2008.

Corner is located on the west side of a small drainage about half way up from bottom, drains south.

DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY,
T. 41 S., R. 17 W., SALT LAKE MERIDIAN, UTAH

CHAINS

N. 0°01.3' E., beginning new measurement.

- 1.351 True point for 1/4 section corner of sections 25 only, at proportionate distance, not practical to monument.
- 3.421 True point for 1/4 section corner of sections 30 only, T. 41 S., R 17 W., at midpoint between the closing corners, not practical to monument.
- 40.039 The corner of sections 24 and 25 only, monumented with an iron post, 3 ins. diameter, firmly set, projecting 15 ins. above ground, with brass cap marked as described in the official record of the 1912 resurvey.

Corner is located on level, sandy, open ground.

N. 0°00.3' W., along the east boundary of section 24.

- 2.034 The closing corner of sections 19 and 30, T. 42 S., R. 16 W., monumented with an iron post, 2 ins. diameter, firmly set, projecting 12 ins. above ground with brass cap marked as described in the official record of the 1912 resurvey.
- 39.940 The 1/4 section corner of section 24 only, monumented with an iron post, 1 in. diameter, firmly set, 2 ins. below ground, in a collar of stone, 4 1/2 ft. diameter, 1 ft. high, with brass cap marked as described in the official record of the 1970 resurvey.

Corner is located on level, sandy, open ground.

Corner is located on level, sandy, open ground.

N. 0°04.0' W., beginning new measurement.

- 1.988 The 1/4 section corner of section 19 only, T. 41 S., R. 16 W., monumented with an iron post, 2 1/2 ins. diameter, firmly set, projecting 8 ins. above a collar of stone, 3 ft. diameter, with brass cap marked as described in the official record of the 1970 resurvey, and witnessed by a mound of stone, 2 1/2 ft. base, 2 ft. high, 6 links northeast of corner
- 19.915 Point for the N 1/16 section corner of section 24 only.
- Set a stainless steel post, 30 ins. long, 2 1/2 ins. diameter, 22 ins. in the ground, with Deep-1 magnet at base, in a mound of stone, 3 ft. base to top of brass cap marked:

Corner is located on level, sandy, open ground.

DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY,
T. 41 S., R. 17 W., SALT LAKE MERIDIAN, UTAH

CHAINS

T41S R17W
N 1/16
S 24 |
2008

Set a steel fence post alongside.

Corner is located in sandy soil, on a moderate south facing slope, among low growing vegetation.

- 28.626 The witness closing corner of sections 18 and 19, T. 41 S., R. 16 W., bears East, 0.018 chains distance, monumented with an iron post, 2 ins. diameter, firmly set, projecting 12 ins. above a supporting mound of stone, 4 ft. base to top of brass cap marked as described in the official record of the 1912 survey.

Corner is located on slight southeast facing slope, 4 ft. south of top of southwest bank of drainage, 100 ft. deep, 3 chains wide, drains easterly.

- 33.740 The witness corner of sections 13 and 24 only, monumented with an iron post, 3 ins. diameter, firmly set, projecting 20 ins. above a supporting mound of stone, 3 ft. base, 10 ins. high, with brass cap marked as described in the official record of the 1910 survey. The 1912 resurvey failed to remove marks for sections 18 and 19 as indicated in the official notes.

Remove marks for sections 18 and 19 and add the year 2008.

Rehabilitate mound of stone around iron post, 3 ft. base, 17 ins. high.

Corner is located on the lowest bench of a vertical sandstone cliff, 30 links wide, extends southeast and northwest.

North, beginning new measurement.

- 0.070 Perpendicular red sandstone cliff, approximately 800 ft. high. Ascend abruptly

- 6.090 True point for the section corner of sections 13 and 24 only, at record bearing and distance from the witness corner.

Corner falls on inaccessible broken sandstone cliffs, not monumented.

N. 0°09.7' E., along the east boundary of sections 13.

- 2.046 True point for the closing corner of sections 18 and 19 only, T. 41 S., R. 16 W., at record distance from the witness corner.

DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY,
T. 41 S., R. 17 W., SALT LAKE MERIDIAN, UTAH

CHAINS

Corner falls on inaccessible broken sandstone cliffs, not monumented.

- 40.596** The 1/4 section corner of section 13 only, monumented with an iron post, 1 in. diameter, firmly set, projecting 18 ins. above ground, in a mound of stones, 2 1/2 ft. base to top of brass cap marked as described in the official record of the 1970 survey of T. 41 S., R. 16 W.

Corner is located on top of broken mesa in a level open area.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 41 S., R. 17 W., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by
J.H. Winwood & H.L. Chamberlin in 1910.

From the corner of sections 35 and 36 only, monumented with an iron post, 3 ins. diameter, firmly set, projecting 13 ins. above ground, with brass cap marked as described in the official record of the 1909 survey.

From this corner, an angle point in a barbed wire fence line bears north, 7 links distance, with fence lines extending north and meandering southeast.

Corner is located on a moderate northeast facing slope on rocky open ground.

N. 0°00.6' E., between sections 35 and 36.

- 39.996** The 1/4 section corner of sections 35 and 36, monumented with an iron post, 1 in. diameter, firmly set, projecting 4 ins. above ground, with brass cap marked as described in the official record of the 1910 survey, and witnessed by a mound of stone, 2 ft. base, 1 ft. high, east of corner.

Corner is located in a barbed wire fence line with wood fence posts, extends north and south.

N. 0°00.9' E., beginning new measurement.

- 5.484** Centerline of Utah State highway No. 91, asphalt surface, bears N. 37°23' W. and S. 37°23' E.
- 18.650** South shore of Ivins Reservoir, bears East and West.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 41 S., R. 17 W., SALT LAKE MERIDIAN, UTAH

CHAINS

40.046 The point for the corner of sections 25, 26, 35, and 36, reestablished by two point control using record measurements as shown on the Shonto Point VIII-B Subdivision Plat, recorded May 23, 1994. Corner located within the bed of Ivins Reservoir, not monumented.

From the corner of sections 25 and 36 only, on the east boundary of the township, hereinbefore described.

N. 89°58.2' W., between sections 25 and 36.

40.045 The 1/4 section corner of sections 25 and 36, monumented with a steel spike, 3/4 in. diameter, flush with asphalt surface, as shown on the Shonto Point VIII-B Subdivision Plat, recorded May 23, 1994. This position is accepted as a careful and faithful determination of the corner position.

From which

Set an aluminum post, 30 ins. long, 2 1/2 ins. diameter, 25 ins. in the ground, with Deep-1 magnet at base, for a reference monument, on the northeast side of Kayenta Parkway, bears N. 80°10.0' E., 85.8 links distance, with aluminum cap marked: T41S R17W 1/4 S25 2008 56.61 FT. TO COR, with arrow pointing to corner.

Set an aluminum post, 30 ins. long, 2 1/2 ins. diameter, 28 ins. in the ground, with Deep-1 magnet at base, for a reference monument, on the southeast side of Kayenta Parkway, bears S. 4°01.5' W., 128.3 links distance, with aluminum cap marked: T41S R17W 1/4 S36 2008 84.65 FT. TO COR, with arrow pointing to corner.

The 1/4 section corner is located on the centerline of Kayenta Parkway, asphalt surface, bears northeast and southwest and approximately 60 links north of Kwavasa Drive, asphalt surface, bears northwest and southeast. Corner is also located in an old abandoned barbed wire fence line with wood fence posts, extends east and west from the edges of the road.

West, beginning new measurement.

28.850 East shore of Ivins Reservoir, bears North and South.

40.046 Point for the corner of sections 25, 26, 35, and 36.

N. 0°01.3' E., between sections 25 and 26.

3.000 North shore of Ivins Reservoir, bears East and West.

21.790 Access road for buried water line, dirt, 16 links wide, bears N.88° E. and S.88° W.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 41 S., R. 17 W., SALT LAKE MERIDIAN, UTAH

CHAINS

- 40.054** The 1/4 section corner of sections 25 and 26, monumented with an iron post, 1 in. diameter, firmly set, projecting 6 ins. above ground, with brass cap marked as described in the official record of the 1910 survey.

Corner is located in a barbed wire fence line with wood fence posts, extends north and south.

N. 0°00.6' E., beginning new measurement.

- 40.075** The corner of sections 23, 24, 25 and 26, monumented with an iron post, 2 in. diameter, firmly set, projecting 13 ins. above ground, with brass cap marked as described in the official record of the 1910 survey.

Corner is located in a barbed wire fence line with wood fence posts, extends north and south.

From the corner of sections 24 and 25 only, on the east boundary of the township, hereinbefore described.

N. 89°51.5' W., between sections 24 and 25.

- 40.063** The 1/4 section corner of sections 24 and 25, monumented with an iron post, 1 in. diameter, firmly set, projecting 7 ins. above ground, with brass cap marked as described in the official record of the 1910 survey.

A scattered mound of stone bears northeast of corner.

Corner is located on level, sandy ground among low desert vegetation.

S. 89°59.8' W., beginning new measurement.

- 40.028** The corner of sections 23, 24, 25 and 26.

N. 0°00.9' E., between sections 23 and 24.

- 40.055** The 1/4 section corner of sections 23 and 24, monumented with an iron post, 1 in. diameter, firmly set, projecting 14 ins. above a collar of stone, 18 in. diameter, with brass cap marked as described in the official record of the 1910 survey.

Corner is located in a barbed wire fence line with wood fence posts, extends north and south.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 41 S., R. 17 W., SALT LAKE MERIDIAN, UTAH

CHAINS

N. 0°01.0' E., beginning new measurement.

20.085 Point for the N 1/16 section corner of sections 23 and 24.

Set a stainless steel post, 30 ins. long, 2 1/2 ins. diameter,
26 ins. in the ground, with brass cap marked:

T41S R17W
N 1/16
S 23 | S24
2008

Deposit a Deep-1 magnet at base of stainless steel post and set a
steel fence post alongside corner.

Corner is located west of a large water storage tank on a gentle
southeast facing slope, in rocky ground, among low growing desert
vegetation. A barbed wire fence line extends north, south and N.
75° E. from corner.

29.170 The witness corner of sections 13, 14, 23 and 24, monumented with
an iron post, 3 ins. diameter, firmly set, projecting 16 ins.
above ground, in a mound of stone, 3 ft. base to top of brass cap
marked as described in the official record of the 1910 survey.

Corner is located in a barbed wire fence line with wood fence
posts, extends north and south.

N. 0°01.0' W., beginning new measurement.

1.000 Near perpendicular red sandstone cliff, approximately 700 ft.
high. Ascend abruptly.

11.000 True point for corner of sections 13, 14, 23 and 24, at record
bearing and distance from the witness corner. Corner falls on
inaccessible broken sandstone cliffs, not monumented.

From the true point for the corner of sections 13 and 24 only,
on the east boundary of the township, hereinbefore described.

N. 89°57.9' W., between sections 13 and 24.

19.836 Point for the E 1/16 section corner of sections 13 and 24, not
monumented.

39.672 The true point for the 1/4 section corner of sections 13 and 24,
at record bearing and distance from the witness corner for the 1/4
section corner, hereinafter described, not monumented.

N. 89°15.1' W., beginning new measurement.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 41 S., R. 17 W., SALT LAKE MERIDIAN, UTAH

CHAINS

20.174 Point for the W 1/16 section corner of sections 13 and 24, not monumented.

40.348 The true point for the corner of sections 13, 14, 23, and 24.

N. 1°05.0' W., between sections 13 and 14.

39.627 The 1/4 section corner of sections 13 and 14, monumented with an iron post, 1 in. diameter, loosely set, projecting 18 ins. above ground, with brass cap marked as described in the official record of the 1910 survey and witnessed by a mound of stone, 3 ft. base, 1 1/2 ft. high, west of corner.

There is no remaining evidence of the original bearing trees.

Reset the 1910 iron post in place, 30 ins. long, 1 in. diameter, 6 ins. in the ground, in a mound of stone, 4 ft. base to top of brass cap. Deposit Deep-1 magnet at base of iron post.

Corner is located in a small depression among broken sandstone cliffs.

N. 0°20.7' E., beginning new measurement.

40.028 The corner of sections 11, 12, 13 and 14, monumented with an iron post, 2 in. diameter, firmly set, in a mound of stone, 3 1/2 ft. base, 30 in. high, with brass cap marked as described in the official record of the 1910 survey.

From which the 1910 bearing trees

A juniper, 11 ins. diameter, bears N. 20°E., 42 links distance, marked T41S R17W S12 BT.

A juniper, 13 ins. diameter, bears S. 17°E., 102 links distance, with an open blaze and visible scribe marks.

There is no remaining evidence of the SW bearing tree.

A juniper, 12 ins. diameter, bears N. 65°W., 63 links distance, with an open blaze and visible scribe marks.

Corner is located on level ground on the north side of a small sandstone bowl, opens to the southwest.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 41 S., R. 17 W., SALT LAKE MERIDIAN, UTAH

CHAINS

From the corner of sections 34 and 35 only, monumented with an iron post, 3 ins. diameter, firmly set, projecting 12 ins. above a mound of stone, 2 1/2 ft. base, 11 ins. high, with brass cap marked as described in the official record of the 1909 survey, and witnessed by a mound of stone, 2 1/2 ft. base, 3 ft. high, 4 links west of corner.

Corner is located on a moderate east facing slope on rocky and sandy ground.

N. 0°02.1' E., between sections 34 and 35.

40.083

The 1/4 section corner of sections 34 and 35, monumented with an iron post, 1 in. diameter, firmly set, projecting 9 ins. above ground, in a mound of stone, 1 1/2 ft. base to top of brass cap marked as described in the official record of the 1910 survey and witnessed by a mound of stone, 2 ft. base, 1 1/2 ft. high, 4 links west of corner.

Corner is located on east facing slope above Santa Clara Creek, approximately 3/4 distance from bottom, creek flows southeast.

N. 0°03.2' E., beginning new measurement.

40.055

The corner of sections 26, 27, 34 and 35, monumented with an iron post, 2 ins. diameter, firmly set, projecting 6 ins. above a mound of stone, 4 ft. base, 3 ft. high, with brass cap marked as described in the official record of the 1910 survey.

Corner is located on open rocky ground, on the southeast side of a small knob.

From the true point for sections 25, 26, 35, and 36.

N. 89°54.9' W., between sections 26 and 35.

3.740

West shore of Ivins Reservoir, bears north and south.

40.012

The 1/4 section corner of sections 26 and 35, at proportionate distance, falls in right-of-way of Utah State Highway 19, there is no remaining evidence of the original corner

Set a stainless steel post, 30 ins. long, 2 1/2 ins. diameter, 27 ins. in the ground, with brass cap marked

T41S R17W
1/4 S 26
S 35
2008

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 41 S., R. 17 W., SALT LAKE MERIDIAN, UTAH

CHAINS

Deposit a Deep-1 magnet at base of stainless steel post and set a steel fence post alongside.

From corner, a barbed wire fence line on the southerly right-of-way of Utah State Highway No. 19 bears south, 15 links distance, extends S 80° E and N 80° W.

From corner, the centerline of Utah State Highway No. 19 bears north, 62 links distance, asphalt surface, extends S 84° E and N 84° W.

80.024 The corner of sections 26, 27, 34 and 35.

N. 0°02.0' E., between sections 26 and 27.

40.077 The 1/4 section corner of sections 26 and 27, monumented with an iron post, 1 in. diameter, firmly set, projecting 18 ins. above ground, with brass cap marked as described in the official record of the 1910 survey.

Raise a mound of stone around iron post, 2 1/2 ft. base to top brass cap.

Corner is located on level, open, sandy ground.

N. 0°01.8' E., beginning new measurement.

40.011 The corner of sections 22, 23, 26 and 27, monumented with an iron post, 2 ins. diameter, firmly set, projecting 9 ins. above a mound of stone, 2 1/2 ft. base, 7 ins. high, with brass cap marked as described in the official record of the 1910 survey, and witnessed by an imbedded mound of stone, 2 ft. base, 1 1/2 ft. high, 6 links west of corner.

Rehabilitate mound of stone around iron post, 3 ft. base, 13 ins. high.

Corner is located on open sandy ground, on southwest facing slope.

From the corner of sections 23, 24, 25, and 26.

N. 89°53.8' W., between sections 23 and 26.

39.918 The 1/4 section corner of sections 23 and 26, monumented with an iron post, 1 in. diameter, firmly set, projecting 9 ins. above ground, with brass cap marked as described in the official record of the 1910 survey and witnessed by a mound of stone, 3 ft. base, 2 ft. high, 6 links north of corner.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 41 S., R. 17 W., SALT LAKE MERIDIAN, UTAH

CHAINS

Corner is located on level, sandy ground, among scattered juniper timber.

N. 89°59.6' W., beginning new measurement.

40.066 The corner of sections 22, 23, 26 and 27.

N. 0°02.3' E., between sections 22 and 23.

40.039 The 1/4 section corner of sections 22 and 23, monumented with an iron post, 1 in. diameter, firmly set, projecting 14 ins. above ground, with brass cap marked as described in the official record of the 1910 survey and witnessed by a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, 5 links west of corner.

Raise a mound of stone around iron post, 1 1/2 ft. base, 8 ins. high.

Corner is located on level, open, sandy ground.

N. 0°02.8' E., beginning new measurement.

40.063 The corner of sections 14, 15, 22 and 23, monumented with an iron post, 2 ins. diameter, firmly set, projecting 15 ins. above ground, with brass cap marked as described in the official record of the 1910 survey and witnessed by a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, west of corner.

Raise a mound of stone around iron post, 2 1/2 ft. base to top of brass cap.

Corner is located on level, open, rocky and sandy ground.

From the true point for the corner of sections 13, 14, 23, and 24.

N. 89°57.1' W., between sections 14 and 23.

39.987 The 1/4 section corner of sections 14 and 23, monumented with an iron post, 1 in. diameter, firmly set, projecting 10 ins. above ground, in a scattered mound of stone, 2 1/2 ft. base to top of brass cap marked as described in the official record of the 1910 survey and witnessed by a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, 4 links north of corner.

Rehabilitate mound of stones around iron post, 2 1/2 ft. base to top of brass cap.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 41 S., R. 17 W., SALT LAKE MERIDIAN, UTAH

CHAINS

From corner, a drainage bears east, 68 links distance to flow line, 73 links wide, drains S 30° E.

Corner is located on level, sandy ground, among boulders and scattered juniper timber.

S. 89°53.2' W., beginning new measurement.

39.939 The corner of sections 14, 15, 22 and 23.

N. 0°17.3' W., between sections 14 and 15.

40.226 Point for the 1/4 section corner of sections 14 and 15, at proportionate distance. Corner falls on inaccessible broken sandstone cliffs, not monumented.

68.746 The witness point for sections 14 and 15, monumented with an iron post, 1 in. diameter, firmly set, projecting 5 ins. above a mound of stone, 3 ft. base, 2 ft. high, with brass cap marked "S15 S14 WC 1/4 190" (Record marks; "WP"), and witnessed by a mound of stone, 2 ft. base, 1 ft. high, west of corner.

From which the 1910 bearing tree

A piñon log, 5 ins. diameter, bears south of corner, marked 1/4 S15. No evidence remains of its original location.

Rehabilitate mound of stone around iron post, using mound of stone west of corner, 3 ft. base to top of brass cap.

N. 0°18.7' W., beginning new measurement.

11.644 The corner of sections 10, 11, 14 and 15, monumented with an iron post, 2 ins. diameter, firmly set, projecting 8 ins. above a mound of stone, 3 ft. base, 2 ft. high, with brass cap marked as described in the official record of the 1910 survey and witnessed by a mound of stone, 2 ft. base, 2 ft. high, west of corner.

Corner is located on apex of a steep rocky ridge, bears north and south.

From the corner of sections 11, 12, 13, and 14.

N. 89°51.9' W., between sections 11 and 14.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 41 S., R. 17 W., SALT LAKE MERIDIAN, UTAH

CHAINS

40.231 The 1/4 section corner of sections 11 and 14, monumented with an iron post, 1 in. diameter, firmly set, projecting 9 ins. above ground, with brass cap marked as described in the official record of the 1910 survey.

From which the 1910 bearing tree

A piñon, fire charred, dead and standing, 13 ins. diameter, bears N. 47° E., 63 links distance, with open blaze, marked 1/4 S11 BT.

There is no remaining evidence of the south bearing tree.

Corner is located on moderate east facing slope among standing, burned juniper timber and boulders.

N. 89°07.8' W., beginning new measurement.

39.592 The corner of sections 10, 11, 14 and 15.

From the witness 1/4 section corner of sections 15 and 16, monumented with an iron post, 1 in. diameter, firmly set, projecting 6 ins. above a mound of stone, 4 ft. base, 2 ft. high, with brass cap marked as described in the official record of the 1910 survey.

Rehabilitate mound of stones around post, 4 ft. base to top of brass cap.

There is no evidence remaining of the original bearing tree.

Witness corner is located on the south edge of a steep cliff.

N. 0°27.7' E., between sections 15 and 16.

23.091 The corner of sections 9, 10, 15 and 16, monumented with an iron post, 2 ins. diameter, firmly set, 36 ins. above ground, in a supporting mound of stones, 3 ft. base to top of brass cap marked as described in the official record of the 1910 survey.

From which the 1910 bearing tree

The remains of a burned juniper stump, 12 ins. diameter, bears S. 15° E., 45 links distance, with partial blaze and no visible scribe marks.

Corner is located on moderate east facing slope among broken hills.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 41 S., R. 17 W., SALT LAKE MERIDIAN, UTAH

CHAINS

From the corner of sections 10, 11, 14, and 15.

S. 89°30.9' W., between sections 10 and 15.

- 39.771 The 1/4 section corner of sections 10 and 15, monumented with an iron post, 1 in. diameter, firmly set, projecting 13 ins. above ground, in a mound of stone, 2 1/2 ft. base, 9 ins. high, with brass cap marked as described in the official record of the 1910 survey. There is no remaining evidence of the original bearing tree.

Corner is located on side of a steep slope, falls east, and with rocky broken cliffs to the north with recent fire damage.

S. 89°52.5' W., beginning new measurement.

- 40.201 The corner of sections 9, 10, 15, and 16.

N. 89°59.1' W., between sections 9 and 16.

- 36.530 The witness 1/4 section corner of sections 9 and 16, monumented with an iron post, 1 in. diameter, firmly set, projecting 8 ins. above ground, with brass cap marked as described in the official record of the 1910 survey and witnessed by a mound of stone, 2 1/2 ft. base, 2 ft. high, north of corner.

Witness corner is located midway up a steep canyon, opens to the northwest, among broken cliffs and scattered boulders and juniper timber.

N. 89°53.8' W., beginning new measurement.

- 3.480 Point for the 1/4 section corner of sections 9 and 16, at proportionate distance. Point falls in broken, rocky drainage, drains west, where it is impossible to set a permanent monument, not monumented.
- 43.592 The corner of sections 8, 9, 16 and 17, monumented with an iron post, 2 ins. diameter, firmly set, 15 ins. above ground, in a collar of stone, 2 ft. diameter, with brass cap marked as described in the official record of the 1910 survey and witnessed by a mound of stone, 2 ft. base, 1 1/2 ft. high, west of corner.
- There is no remaining evidence of the original bearing tree.
- Raise mound of stone around iron post, 3 ft. base to top of brass cap.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
T. 41 S., R. 17 W., SALT LAKE MERIDIAN, UTAH

CHAINS

Corner is located at base of barbed wire fence corner, fence lines bear east and south.

Subdivision of Section 14,
T. 41 S., R. 17 W., Salt Lake Meridian, Utah

From the 1/4 section corner of sections 14 and 23.

N. 0°32.6' W., on the N-S centerline of section 14.

39.867 Point for the center 1/4 section corner of section 24, at intersection with the E-W centerline. Point falls in an inaccessible area of broken sandstone cliffs where it is impossible to establish a permanent monument, not monumented.

79.711 The 1/4 section corner of sections 11 and 14.

From the 1/4 section corner of sections 13 and 14.

N. 89°35.7' W., on the E-W centerline of section 14.

39.616 The point for the center 1/4 section corner of section 14.

79.379 The point for the 1/4 section corner of sections 14 and 15.

Subdivision of Section 24,
T. 41 S., R. 17 W., Salt Lake Meridian, Utah

From the 1/4 section corner of sections 24 and 25.

N. 0°15.6' E., on the N-S centerline of section 24.

39.947 Point for the center 1/4 section corner of section 24, at intersection with the E-W centerline.

Set a stainless steel post, 30 ins. long, 2 1/2 ins. diameter, 23 ins. in the ground, with brass cap marked:

T 41 S R 17 W
C 1/4 S 24
2008

Deposit a Deep-1 magnet at base of stainless steel post and set a steel fence post alongside corner.

SUBDIVISION OF SECTION 24,
T. 41 S., R. 17 W., SALT LAKE MERIDIAN, UTAH

CHAINS

From corner, an unrecorded 5/8 in. diameter steel bar, firmly set, projecting 4 ins. above ground, with a damaged yellow plastic cap, bears N. 89°58' E., 36.7 links distance. Not utilized during the course of this survey.

From corner, a newer wire fence corner bears, S. 82°38' W., 22 links distance, fence lines extend S. 4° W. and meanders westerly.

Corner is located in level, sandy soil, among low growing desert vegetation.

- 59.821 Point for the center N 1/16 section corner of section 24, not monumented.
- 75.146 The witness 1/4 corner for sections 13 and 24, monumented with an iron post, 1 in. diameter, firmly set, 12 ins. above ground, with brass cap marked as described in the official record of the 1910 survey.

Raise mound of stone around iron post, 2 ft. base, 10 ins. high.

Witness corner is located on the first bench, 20 ft. from edge, and approximately 150 ft. from the bottom of a south facing cliff.

North, beginning new measurement.

- 4.550 The true point for the 1/4 section corner of sections 13 and 24.

From the 1/4 section corner of section 24 only, on the east boundary of the township, hereinbefore described.

N. 89°50.9' W., on the E-W centerline of section 24.

- 19.937 The center E 1/16 section corner of section 24.

Set a stainless steel post, 30 ins. long, 2 1/2 ins. diameter, 24 ins. in the ground, in a mound of stone, 2 1/2 ft. base to top of brass cap marked:

T41S R17W
E 1/16
C ——— C
S 24
2008

Deposit a Deep-1 magnet at base of stainless steel post and set a steel fence post alongside corner.

SUBDIVISION OF SECTION 24,
T. 41 S., R. 17 W., SALT LAKE MERIDIAN, UTAH

CHAINS

From corner, an unrecorded 5/8 in. diameter steel bar, firmly set, projecting 8 ins. above ground, with red plastic cap marked, "LR POPE ENG PLS UT 153069", bears N. 84°32' W., 9.6 links distance. Not utilized during the course of this survey.

From corner, an abandoned barbed wire fence line bears west, 41 links distance, extends north and south.

Corner is located in level, sandy soil, among low growing desert vegetation.

39.874 The center 1/4 section corner of section 24.

59.971 The center W 1/16 section corner of section 24.

Set a stainless steel post, 30 ins. long, 2 1/2 ins. diameter, 22 ins. in the ground, in a mound of stone 2 1/2 ft. base to top of brass cap marked:

T41S R17W
W 1/16
C — C
S 24
2008

Deposit a Deep-1 magnet at base of stainless steel post and set a steel fence post alongside corner.

From corner, a 5/8 in. diameter steel bar, firmly set, projecting 10 ins. above ground, with yellow plastic cap marked, "PLS 4938751", as shown on the A.L.T.A./ A.C.S.M. Land Title Plat, dated September 29, 2005, bears N. 88°34' E., 5.6 links distance. Not utilized during the course of this survey.

From corner, a fence corner post bears S. 75°59' W., 10 links distance, with newer 5 ft. high wire fence lines, extending N. 18° W. and N. 80° E.

Corner is located on rolling, rocky, sandy ground.

80.068 The 1/4 section corner of sections 23 and 24.

From the center E 1/16 section corner of section 24.

N. 0°05.2' E., on the N-S centerline of the northeast 1/4 of section 24.

19.249 The western most edge of a concrete in ground water storage tank bears east, 5 links distance, 38.5 ft. diameter, level with ground.

SUBDIVISION OF SECTION 24,
T. 41 S., R. 17 W., SALT LAKE MERIDIAN, UTAH

CHAINS

- 19.895 Point for the NE 1/16 section corner of section 24, at intersection with the E-W centerline of the northeast 1/4.
- Set an aluminum post, 30 ins. long, 2 1/2 ins. diameter, 22 ins. in the ground, in a mound of stone, 2 1/2 ft. base to top of brass cap marked:

T41S R17W
NE 1/16 S 24
2008

Deposit a Deep-1 magnet at base of aluminum post and set a steel fence post alongside corner.

From corner, an abandoned barbed wire fence line bears west, 50 links distance, extends north and south.

Corner is located on level, open sandy ground among scattered desert vegetation.

- 39.790 The true point for the E 1/16 section corner of sections 13 and 24.

From the N 1/16 section corner of section 24 only, on the east boundary of the township, hereinbefore described.

N. 89°54.4' W., on the E-W centerline of the northeast 1/4 of section 24.

- 19.245 The northern most edge of a concrete in ground water storage tank bears south, 6 links distance, 38.5 ft. diameter, level with ground.
- 19.883 The NE 1/16 section corner of section 24.
- 39.759 The true point for the center N 1/16 section corner of section 24.

From the center W 1/16 section corner of section 24.

N. 0°07.1' E., on the N-S centerline of the northwest 1/4 of section 24.

- 19.980 Point for the northwest 1/16 section corner of section 24, at intersection with the E-W centerline of the northwest 1/4.
- Set an aluminum post, 30 ins. long, 2 1/2 ins. diameter, 28 ins. in the ground, with brass cap marked:

SUBDIVISION OF SECTION 24,
T. 41 S., R. 17 W., SALT LAKE MERIDIAN, UTAH

CHAINS

T41S R17W
NW 1/16 S 24
2008

Deposit a Deep-1 magnet at base of aluminum post and set a steel fence post alongside corner.

From corner, a fence corner post bears N. 70°16' W., 20 links distance, with newer 5 ft. high wire fence lines, extending South and S. 89° W.

Corner is located east of a water storage tank, on a moderate southwest facing slope among scattered desert vegetation.

39.959 The true point for the W 1/16 section corner of sections 13 and 24.

From the true point for the center N 1/16 section corner of section 24.

N. 89°33.0' W., on the E-W centerline of the northwest 1/4 of section 24.

20.145 The NW 1/16 section corner of section 24.

40.277 The N 1/16 section corner of sections 23 and 24.

GENERAL DESCRIPTION

Township 41 South, Range 17 West is located, in part, within the Shivwits Indian Reservation, in southwestern Utah. The nearest town is Ivins, which is located east of the southeast corner of the township. The average elevation of the resurvey is 4100 feet above sea level.

The Red Mountain Wilderness Study Area encompasses the northeast corner of the township, rising up 1500 feet in elevation over the rest of the township. The rest of the township comprises of drainages, rock outcroppings and low rolling sand hills covered with low desert vegetation. The soil ranges from soft and sandy to solid sandstone outcrops and cliffs. Drainages flow primarily toward the Santa Clara River which enters the north boundary of the township to the west and flows south 5 mile where it turns southeasterly, exiting the south boundary of the township $3/4$ of a mile from the east boundary.

Utah Old State Highway 91 crosses the south end of the township, a paved county road 3184 runs north and south through the western half of the township, and few dirt roads lie within the interior.

CERTIFICATE OF SURVEY

I, **Dale A. Graff, Cadastral Surveyor**, HEREBY CERTIFY upon honor, that in pursuance of Special Instructions bearing the date of the 7th day of March, 2008, have dependently resurveyed a portion of the east boundary, a portion of the subdivisional lines, and subdivided sections 14 and 24 in Township 41 South, Range 17 West, of the Salt Lake Meridian, in the State of Utah, 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 of the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

07/27/2009

Date

Dale A. Graff

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Salt Lake City, Utah

The foregoing field notes of the dependent resurvey of a portion of the east boundary, a portion of the subdivisional lines, and the subdivision of sections 12 and 24 in Township 41 South, Range 17 West, Salt Lake Meridian, Utah, executed by **Dale A. Graff, Cadastral Surveyor**, having been critically examined and found correct, are hereby approved.

August 17, 2009

Date

Daniel W. Webb

(Chief Cadastral Surveyor for Utah)

