

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF
A PORTION OF THE SUBDIVISIONAL LINES,

AND

THE SUBDIVISION OF SECTION 29,

IN

TOWNSHIP 17 SOUTH, RANGE 19 WEST,

OF THE SALT LAKE MERIDIAN
IN THE STATE OF UTAH

EXECUTED BY

Ronald K. Baugh
Supervisory Cadastral Surveyor

Under Special Instructions dated *July 23, 2010*, approved *July 23, 2010*,
which provided for the surveys included under Group Number *1149*, and
Assignment Instructions dated *July 23, 2010*.

Survey Commenced, *June 25, 2010*
Survey Completed, *July 20, 2010*

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF
A PORTION OF THE SUBDIVISIONAL LINES,

AND

THE SUBDIVISION OF SECTION 29,

IN

TOWNSHIP 17 SOUTH, RANGE 19 WEST,

OF THE SALT LAKE MERIDIAN
IN THE STATE OF UTAH

EXECUTED BY

Ronald K. Baugh
Supervisory Cadastral Surveyor

Under Special Instructions dated *July 23, 2010*, approved *July 23, 2010*,
which provided for the surveys included under Group Number *1149*, and
Assignment Instructions dated *July 23, 2010*.

Survey Commenced, *June 25, 2010*
Survey Completed, *July 20, 2010*

INDEX DIAGRAM

Township 17 South, Range 19 West.

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

The Subdivision of Section 29.....5

TOWNSHIP 17 SOUTH, RANGE 19 WEST, SALT LAKE MERIDIAN, UTAH.

The following field notes are those of the dependent resurvey of a portion of the subdivisional lines, and the subdivision of section 29, in T. 17 S., R. 19 W., Salt Lake Meridian, Utah.

HISTORY OF SURVEYS

		Surveyed by		Retr. or Resurveyed by	
SOUTH BOUNDARY					
All	A.J. Stewart, Jr.	1882			
Portion			R.E.L. Collier		1895
All			C.P. Sylvester Et al.		1962
EAST BOUNDARY					
All	A.J. Stewart, Jr.	1883			
All			R.E.L. Collier		1895
All			C.P. Sylvester Et al.		1962
WEST BOUNDARY					
All	R.E.L. Collier	1895			
			C.P. Sylvester		1962
NORTH BOUNDARY					
All	A.J. Stewart, Jr.	1884			
All			R.E.L. Collier		1895
All			C.P. Sylvester Et al.		1962
SUBDIVISION					
All	R.E.L. Collier	1895			
All			C.P. Sylvester Et al.		1962

TOWNSHIP 17 SOUTH, RANGE 19 WEST, SALT LAKE MERIDIAN, UTAH.

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 2009, and the Special Instructions for Group No. 1149, dated July 23, 2010.

The directions of the lines were determined by references to true meridian, 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 for the Positional Accuracy of Cadastral Surveys When Using Global Navigation Satellite Systems (GNSS)*, dated February 23, 2009. 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 a 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 was thoroughly verified and only the true line field notes are given herein.

Geodetic control was derived from GPS static observation of the corner of sections 20, 21, 28, and 29, T. 17 S., R. 19 W.; post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS): EGAN_BRGN_NV1996 CORS ARP, SPRING VALLEY CORS ARP, and DELTAMUNI_UT2004 CORS ARP.

The geographic position of the corner of sections 20, 21, 28, and 29, is as follows:

Latitude: 39°18'31.548" N.,
 Longitude: 114°00'02.299" W., N.A.D. 83,
 Network Accuracy = 0.100 meter at 95% confidence

The geographic position of the corner of sections 29, 30, 31, and 32, as determined by direct RTK methods from the National Geodetic Survey OPUS solution, is as follows:

Latitude: 39°17'39.003" N.,
 Longitude: 114°01'09.685" W., N.A.D. 83,
 Network Accuracy = 0.200 meter at 95% confidence

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 17 SOUTH, RANGE 19 WEST, SALT LAKE MERIDIAN, UTAH.

CHAINS

Dependent Resurvey of a Portion of the Subdivisional Lines,
Township 17 South, Range 19 West, Salt Lake Meridian, Utah.

Reestablishment of the Survey Executed by
R.E.L. Collier in 1895 and the Resurvey Executed by
C.P. Sylvester et al. in 1962.

Beginning at the corner of sections 28, 29, 32 and 33, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 10 inches above a collar of stone, with brass cap marked with incorrect section numbers. Remark the brass cap so it is as described in the official record of the 1962 resurvey. Add the marks 2010 to the brass cap.

N. 0°09.9' W., between sections 28 and 29.

20.049 Point for S 1/16 section corner of sections 28 and 29, not monumented.

40.098 The 1/4 section corner of sections 28 and 29, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 14 inches above a collar of stone, with brass cap marked as described in the official record of the 1962 resurvey.

N. 0°09.5' W., beginning new measurement.

20.037 Point for the N 1/16 section corner of sections 28 and 29, not monumented.

40.074 The corner of sections 20, 21, 28, and 29, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 10 inches above the ground, with brass cap marked as described in the official record of the 1962 resurvey and a steel fence post 8 inches east of corner.

From the corner of sections 28, 29, 32, and 33.

S. 89°43.7' W., between sections 29 and 32.

20.112 Point for the E 1/16 section corner of sections 29 and 32, not monumented.

40.224 The 1/4 section corner of sections 29 and 32, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 10 inches above a collar of stone, with brass cap marked as described in the official record of the 1962 resurvey.

S. 89°42.0' W., beginning new measurement.

40.292 The corner of sections 29, 30, 31, and 32, monumented with an

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 17 SOUTH, RANGE 19 WEST, SALT LAKE MERIDIAN, UTAH.

CHAINS

iron post, 2 1/2 inches diameter, firmly set, projecting 8 inches above the ground, with brass cap marked as described in the official record of the 1962 resurvey and a mound of stone, 4 ft. base, 2 ft. high, west of corner.

N. 0°09.1' W., between sections 29 and 30.

- 40.131 The 1/4 section corner of sections 29 and 30, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 14 inches above the ground, with brass cap marked as described in the official record of the 1962 resurvey and a steel fence post alongside corner.
-

N. 0°10.8' W., beginning new measurement.

- 40.084 The corner of sections 19, 20, 29, and 32, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 8 inches above the ground, with brass cap marked as described in the official record of the 1962 resurvey and a mound of stone, 2 ft. base, 1 ft. high, west of corner.

Corner is located 7 ft. north of a fence extending east and west.

From the corner of sections 20, 21, 28, and 29.

S. 89°45.4' W., between sections 20 and 29.

- 20.124 Point for the E 1/16 section corner of sections 20 and 29.

Set an aluminum post, 2 1/2 inches diameter, 30 inches long, 24 inches in the ground, with aluminum cap marked:

	S20
E 1/16	—————
	S29
	2010

Bury a magnet beneath the aluminum post.

Corner is located 50 ft. north of the centerline of a gravel road extending east and west.

- 40.248 The 1/4 section corner of sections 20 and 29, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 10 inches above the ground, with brass cap marked as described in the official record of the 1962 resurvey.

Corner is located 1 ft. north of a fence extending east and west.

S. 89°44.2' W., beginning new measurement.

- 40.257 The corner of sections 19, 20, 29, and 30.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 17 SOUTH, RANGE 19 WEST, SALT LAKE MERIDIAN, UTAH.

CHAINS

The Subdivision of Section 29,
Township 17 South, Range 19 West, Salt Lake Meridian, Utah.

From the 1/4 section corner of sections 29 and 32.

N. 0°11.1' W., along the N-S centerline of section 29.

20.052 Point for the center S 1/16 section corner of section 29.

Set an aluminum post, 2 1/2 inches diameter, 30 inches long, 24 inches in the ground, with aluminum cap marked:

C
S 1/16 | S29
C
2010

Bury a magnet beneath the aluminum post.

40.104 Point for the center 1/4 section corner of section 29, at the intersection with the E-W centerline of section.

Set an aluminum post, 2 1/2 inches diameter, 30 inches long, 26 inches in the ground, with aluminum cap marked:

T17S R19W
C 1/4 S29
2010

Bury a magnet beneath the aluminum post.

Set a steel fence post 8 inches east of the aluminum post.

60.147 Point for the center N 1/16 section corner of section 29.

Set an aluminum post, 2 1/2 inches diameter, 30 inches long, 24 inches in the ground, with aluminum cap marked:

C
N 1/16 | S29
C
2010

Bury a magnet beneath the aluminum post.

Set a steel fence post alongside the aluminum post.

80.190 The 1/4 section corner of sections 20 and 29.

From the 1/4 section corner of sections 28 and 29.

S. 89°44.3' W., along the E-W centerline of section 29.

20.117 Point for the center E 1/16 section corner of section 29.

THE SUBDIVISION OF SECTION 29,
TOWNSHIP 17 SOUTH, RANGE 19 WEST, SALT LAKE MERIDIAN, UTAH.

CHAINS

Set an aluminum post, 2 1/2 inches diameter, 30 inches long, 24 inches in the ground, with aluminum cap marked:

T17S R19W
E 1/16
C——C
S29
2010

Bury a magnet beneath the aluminum post.

Set a steel fence post alongside the aluminum post.

- 40.234 The center 1/4 section corner of section 29.
80.498 The 1/4 section corner of sections 29 and 30.
-

From the center E 1/16 section corner of section 29.

N. 0°10.3' W., along the N-S centerline of the NE 1/4 of section 29.

- 20.040 Point for the NE 1/16 section corner of section 29, at the intersection with the E-W centerline of the NE 1/4 of section.

Set an aluminum post, 2 1/2 inches diameter, 30 inches long, 24 inches in the ground, with aluminum cap marked:

NE 1/16 S29
2010

Bury a magnet beneath the aluminum post.

Set a steel fence post alongside the aluminum post.

- 40.080 The E 1/16 section corner of sections 20 and 29.
-

From the point for the N 1/16 section corner of sections 28 and 29.

S. 89°44.8' W., along the E-W centerline of the NE 1/4 of section 29.

- 20.120 The NE 1/16 section corner of section 29.
40.240 The center N 1/16 section corner of section 29.
-

From the point for the E 1/16 section corner of sections 29 and 32.

N. 0°10.5' W., along the N-S centerline of the SE 1/4 of section 29.

- 20.050 Point for the SE 1/16 section corner of section 29, at the

THE SUBDIVISION OF SECTION 29,
TOWNSHIP 17 SOUTH, RANGE 19 WEST, SALT LAKE MERIDIAN, UTAH.

CHAINS

intersection with the E-W centerline of the SE 1/4 of section.

Set an aluminum post, 2 1/2 inches diameter, 30 inches long, 24 inches in the ground, with aluminum cap marked:

SE 1/16 S29
2010

Bury a magnet beneath the aluminum post.

40.100 The center E 1/16 section corner of section 29.

From the point for the S 1/16 section corner of sections 28 and 29.

S. 89°44.0' W., along the E-W centerline of the SE 1/4 of section 29.

20.114 The SE 1/16 section corner of section 29.

40.228 The center S 1/16 section corner of section 29.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Name	Capacity
Daniel T. Gillins	Cadastral Surveyor
Chris May	Survey Technician
Richard West	Survey Technician
David Gillins	Survey Technician

CERTIFICATE OF SURVEY

I, *Ronald K. Baugh*, *Supervisory Cadastral Surveyor*, HEREBY CERTIFY upon honor, that in pursuance of Special Instructions bearing the date of the *July 23, 2010*, I have *dependently resurveyed a portion of the subdivisional lines and subdivided section 29, in Township 17 South, Range 19 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 for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

Jan. 18, 2012

Date

Ronald K. Baugh
Supervisory 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 subdivisional lines and the subdivision of section 29, in Township 17 South, Range 19 West, Salt Lake Meridian, Utah*, executed by *Ronald K. Baugh, Supervisory Cadastral Surveyor*, having been critically examined and found correct, are hereby approved.

January 20, 2012

Date

Daniel W. Webb
Chief Cadastral Surveyor for Utah