

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF

A PORTION OF THE EAST AND NORTH BOUNDARIES,

AND

A PORTION OF THE SUBDIVISIONAL LINES,

IN

TOWNSHIP 4 SOUTH, RANGE 8 WEST,

OF THE SALT LAKE MERIDIAN
IN THE STATE OF UTAH

EXECUTED BY

Daniel T. Gillins
Cadastral Surveyor

Under Special Instructions dated *September 23, 2009*, approved *September 23, 2009*, which provided for the surveys included under Group Number *1132*, and Assignment Instructions dated *September 23, 2009*.

Survey Commenced, *November 9, 2009*.

Survey Completed, *March 19, 2010*.

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INDEX DIAGRAM

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TOWNSHIP 4 SOUTH, RANGE 8 WEST, SALT LAKE MERIDIAN, UTAH

The following field notes are those of the dependent resurvey of a portion of the east and north boundaries, and a portion of the subdivisional lines, in Township 4 South, Range 8 West, Salt Lake Meridian, Utah.

HISTORY OF SURVEYS

Surveyed by		Retr. or Resurveyed by	
SOUTH BOUNDARY			
All	J. Gorlinski	1871	
EAST BOUNDARY			
All	J. Gorlinski	1871	
Portion		G.L. Kratz	1984
WEST BOUNDARY			
All	J. Gorlinski	1871	
Portion		R.K. Baugh	2003-04
NORTH BOUNDARY			
All	J. Gorlinski	1871	
SUBDIVISION			
All	J. Gorlinski	1871	

TOWNSHIP 4 SOUTH, RANGE 8 WEST, SALT LAKE MERIDIAN, UTAH

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. 1132, dated September 23, 2009.

The directions 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 R8 Model 2 (GLONASS) 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 observations, post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS); KENNECOTT1UT2005 CORS ARP, SALT LAKE CITY CORS ARP, and MIDVALE CORS ARP.

The geographic position of the corner of sections 1, 2, 35, and 36, on the north boundary of the township, as determined by direct RTK methods from the National Geodetic Survey OPUS solution, is as follows:

Latitude: 40°30'23.876" N.

Longitude: 112°42'20.853" W.

N.A.D. 83, Network Accuracy = 0.200 meter at 95% confidence

The geographic position of the corner of sections 13, 14, 23, and 24, as determined by direct RTK methods from the National Geodetic Survey OPUS solution, is as follows:

Latitude: 40°27'46.584" N.

Longitude: 112°42'21.270" W.

N.A.D. 83, Network Accuracy = 0.200 meter at 95% confidence

DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY,
TOWNSHIP 4 SOUTH, RANGE 8 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

Dependent Resurvey of a Portion of the East Boundary,
Township 4 South, Range 8 West, Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by J. Gorlinski in 1871

Beginning at the corner of sections 1, 6, 7, and 12, monumented with a granite stone, 26 X 8 X 8 inches, loosely set, plainly marked with 5 notches on the south edge. There is no remaining evidence of the bearing trees marked in 1871.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, in a mound of stone, magnet at base, 3 ft. base to top of aluminum cap marked:

T4S
R8W R7W
S1 S6
S12 S7
2010

Set a steel fence post alongside the aluminum post.

Bury marked stone, inverted, alongside the aluminum post.

Corner is located 6 ft. south of a westerly drainage.

N. 0°19.7'E., between sections 1 and 6.

40.599 The 1/4 section corner of sections 1 and 6, monumented with a granite stone, 20 X 11 X 4 inches, loosely set, plainly marked 1/4 on the west face.

from which the remains of the bearing trees marked in 1871

A sawed-off cedar stump, 10 inches diameter, bears
N. 10°10' E., 65 links distance. (Record: N. 7 1/4° E.)

A cedar, 13 inches diameter, bears N. 45°32' W., 103 links
distance, with mostly healed blaze. (Record: N. 50° W., 100
links)

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 12 inches in the ground to solid rock, magnet at base, in a mound of stone, 3 ft. base to top of aluminum cap marked:

DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY,
TOWNSHIP 4 SOUTH, RANGE 8 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

T4S
R8W R7W
1/4
S1|S6
2009

Set a steel fence post alongside the aluminum post.

Deposit marked stone at the base of the mound of stone.

N. 0°30.2' E., beginning new measurement.

- 40.568 The corner of Townships 3 and 4 South, Ranges 7 and 8 West, monumented with an aluminum post, 2 1/2 inches diameter, firmly set, in a mound of stone, 3 ft. base, 4 inches high to top of aluminum cap marked as described in the official record of the dependent resurvey of the east boundary of T. 3 S., R. 8 W., executed by Daniel T. Gillins in 2006-08 under Group Number 1036.
-

Dependent Resurvey of a Portion of the North Boundary,
Township 4 South, Range 8 West, Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by J. Gorlinski in 1871

N. 89°51.7' W., between sections 1 and 36.

- 40.326 The 1/4 section corner of sections 1 and 36, monumented with a stationary granite stone, 17 X 15 X 12 inches, projecting 8 inches above the ground, plainly marked 1/4 on the south face.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, magnet at base, in a mound of stone, 3 ft. base to top of aluminum cap marked:

T3SR8W
S36
1/4—
S1
T4S
2010

Set a steel fence post alongside the aluminum post.

Deposit marked stone at the base of the mound of stone.

Corner is located 3.5 ft. north of a barbed wire fence extending east and west.

DEPENDENT RESURVEY OF A PORTION OF THE NORTH BOUNDARY,
TOWNSHIP 4 SOUTH, RANGE 8 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

S. 89°49.4' W., beginning new measurement.

- 40.476 The corner of sections 1, 2, 35, and 36, monumented with a quartzite stone, 15 X 12 X 6 inches, loosely set alongside an ancient fence post with barbed wire fences extending north, south, and west, dimly marked with 5 notches on the west edge.

At the corner point

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

T3SR8W
S35 S36
— —
S2 S1
— —
T4S
2010

Deposit marked stone, inverted, alongside the aluminum post.

Dependent Resurvey of a Portion of the Subdivisional Lines,
Township 4 South, Range 8 West, Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by J. Gorlinski in 1871

From the corner of sections 13, 14, 23, and 24, monumented with a cobblestone, 18 X 9 X 7 inches, loosely set, plainly marked with 3 notches on the south edge and 1 notch on the east edge.

from which the remains of the bearing tree marked in 1871

A multi-trunk cedar bears N. 33° E., 180 links distance, with most of its trunks axed off. (Record: 179 links)

At the corner point

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

T4SR8W
S14 S13
— —
S23 S24
— —
2009

Set a steel fence post alongside the aluminum post.

Bury marked stone, inverted, alongside the aluminum post.

Corner is located 43 ft. east of an old barbed wire fence extending north and south.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 4 SOUTH, RANGE 8 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

N. 0°16.4' E., between sections 13 and 14.

- 40.156 The 1/4 section corner of sections 13 and 14, monumented with a quartzite stone, 16 X 10 X 8 inches, loosely set, plainly marked 1/4 on the west face.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 22 inches in the ground to solid rock, magnet at base, in a mound of stone, 3 ft. base to top of aluminum cap marked:

T4SR8W
1/4
S14 | S13
2009

Set a steel fence post alongside the aluminum post.

Bury marked stone, inverted, alongside the aluminum post.

Corner is located S. 5° E., 123.4 ft. distance, from a fence corner with old barbed wire fences extending west and south.

N. 0°02.1' E., beginning new measurement.

- 40.380 The corner of sections 11, 12, 13, and 14, monumented with a white sandstone, 16 X 12 X 5 inches, loosely set, marked with 4 notches on the south edge and 1 notch on the east edge.

from which the remaining bearing tree marked in 1871

A multi-trunk cedar snag bears N. 77°20' W., 149 links distance, with center trunk axed off. (Record: N. 77 1/2° W., 155 links)

At the corner point

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

T4SR8W
S11 | S12
S14 | S13
2009

Set a steel fence post alongside the aluminum post.

Bury marked stone, inverted, alongside the aluminum post.

Corner is located on a rocky, southwest-facing slope.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 4 SOUTH, RANGE 8 WEST, SALT LAKE MERIDIAN, UTAH
CHAINS

From the 1/4 section corner of sections 12 and 13, monumented with a granite stone, 13 X 9 X 3 inches, firmly set, plainly marked 1/4 on the north face.

from which the bearing trees marked in 1871

A cedar 10 inches diameter, bears N. 85°40' E., 46 links distance, with scribe marks 1/4 BT on an open blaze.
(Record: EAST, 31 links)

A cedar 14 inches diameter, bears S. 47°10' E., 33 links distance, with scribe marks BT 1/4 on an open blaze.
(Record: S. 46° E., 47 links)

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 20 inches in the ground to bedrock, magnet at base, in a mound of stone, 3 ft. base to top of aluminum cap marked:

T4SR8W
S12
1/4 ———
S13
2009

Set a steel fence post alongside the aluminum post.

Bury marked stone, inverted, alongside the aluminum post.

N. 89°11.9' W., between sections 12 and 13.

40.515 The corner of sections 11, 12, 13, and 14.

N. 0°11.8' E., between sections 11 and 12.

40.102 The 1/4 section corner of sections 11 and 12, monumented with a stationary quartzite stone, 36 X 35 X 21 inches, projecting 8 inches above the ground, plainly marked 1/4 on the west face. There is no remaining evidence of the bearing trees marked in 1871.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground, magnet at base, in a collar of stone, 4 ft. base with aluminum cap marked:

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 4 SOUTH, RANGE 8 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

T4SR8W
1/4
S11|S12
2010

Set a steel fence post alongside the aluminum post.

Note: While replacing the marked stone, it broke into two pieces. Bury the piece with the markings (it is 13 X 8 X 8 inches) alongside the aluminum post. Deposit the remainder of the marked stone in the collar of stone.

Corner is located 4 ft. east of a barbed wire fence extending north and south, and 165 ft. north of a fence corner with barbed wire fences extending north and west.

N. 0°00.7' E., beginning new measurement.

- 40.123** The corner of sections 1, 2, 11, and 12, monumented with a quartzite stone, 20 X 18 X 12 inches, loosely set, plainly marked, with 5 notches on the south edge and 1 notch on the east edge.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 14 inches in the ground to solid rock, magnet at base, in a mound of stone, 3 ft. base to top of aluminum cap marked:

T4SR8W
S2|S1
S11|S12
2009

Bury marked stone, inverted, alongside the aluminum post.

Corner is located 2 ft. west of a barbed wire fence, extending north and south.

From the corner of sections 1, 6, 7, and 12, on the east boundary of the township, hereinbefore described.

S. 89°56.3' W., between sections 1 and 12.

- 40.033** The 1/4 section corner of sections 1 and 12, monumented with a quartzite stone, 22 X 8 X 6 inches, loosely set, plainly marked 1/4 on the north face.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, magnet at base, in a mound of stone, 3 ft.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 4 SOUTH, RANGE 8 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

base to top of aluminum cap marked:

T4SR8W
S1
1/4 ———
S12
2010

Set a steel fence post alongside the aluminum post.

Bury marked stone, inverted, alongside the aluminum post.

N. 89°00.4' W., beginning new measurement.

40.330 The corner of sections 1, 2, 11, and 12.

N. 0°05.4' E., between sections 1 and 2.

40.340 Point for the 1/4 section corner of sections 1 and 2, at proportionate distance; there is no remaining evidence of the original corner.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, magnet at base, in a mound of stone, 3 ft. base to top of aluminum cap marked:

T4SR8W
1/4
S2 | S1
2010

Corner is located 2 ft. west of a barbed wire fence extending north and south.

80.478 The corner of sections 1, 2, 35, and 36, on the north boundary of the township, hereinbefore described.

From the corner of sections 1, 2, 11, and 12.

S. 89°40.0' W., between sections 2 and 11.

40.081 The 1/4 section corner of sections 2 and 11, monumented with a cobblestone, 15 X 13 X 7 inches, loosely set, plainly marked 1/4 on the north face.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, magnet at base, in a mound of stone, 3 ft. base to top of aluminum cap marked:

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 4 SOUTH, RANGE 8 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

T4SR8W
S2
1/4—
S11
2009

Set a steel fence post alongside the aluminum post.

Bury marked stone, inverted, alongside the aluminum post.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Name	Capacity
R. Keith Batty	Cadastral Surveyor
Arlund Lewis	Survey Technician
Adrian Kurip	Survey Technician
Christopher J. May	Survey Technician

CERTIFICATE OF SURVEY

I, *Daniel T. Gillins*, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of Special Instructions bearing the date of the *September 23, 2009*, I have *dependently resurveyed a portion of the east and north boundaries, and a portion of the subdivisional lines, in Township 4 South, Range 8 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.

January 28, 2011
Date

Daniel T. Gillins
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 and north boundaries, and a portion of the subdivisional lines, in Township 4 South, Range 8 West, Salt Lake Meridian, Utah*, executed by *Daniel T. Gillins, Cadastral Surveyor*, having been critically examined and found correct, are hereby approved.

March 21, 2011
Date

Daniel W. Webb
Chief Cadastral Surveyor for Utah