

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 SURVEY OF THE NORTHWESTERLY RIGHT-OF-WAY LINE OF

UTAH STATE ROAD NO. 199 THROUGH SECTION 30,

IN

TOWNSHIP 6 SOUTH, RANGE 7 WEST,

OF THE SALT LAKE MERIDIAN  
IN THE STATE OF UTAH

EXECUTED BY

*Daniel T. Gillins*  
*Survey Technician*

*Under the Supervision of*

*Ronald K. Baugh*  
*Cadastral Surveyor*

Under Special Instructions dated and approved *September 12, 2007*, which provided for the surveys included under Group No. *1054*, and Assignment Instructions dated *September 12, 2007*.

Survey Commenced *October 4, 2007*  
Survey Completed *October 17, 2007*

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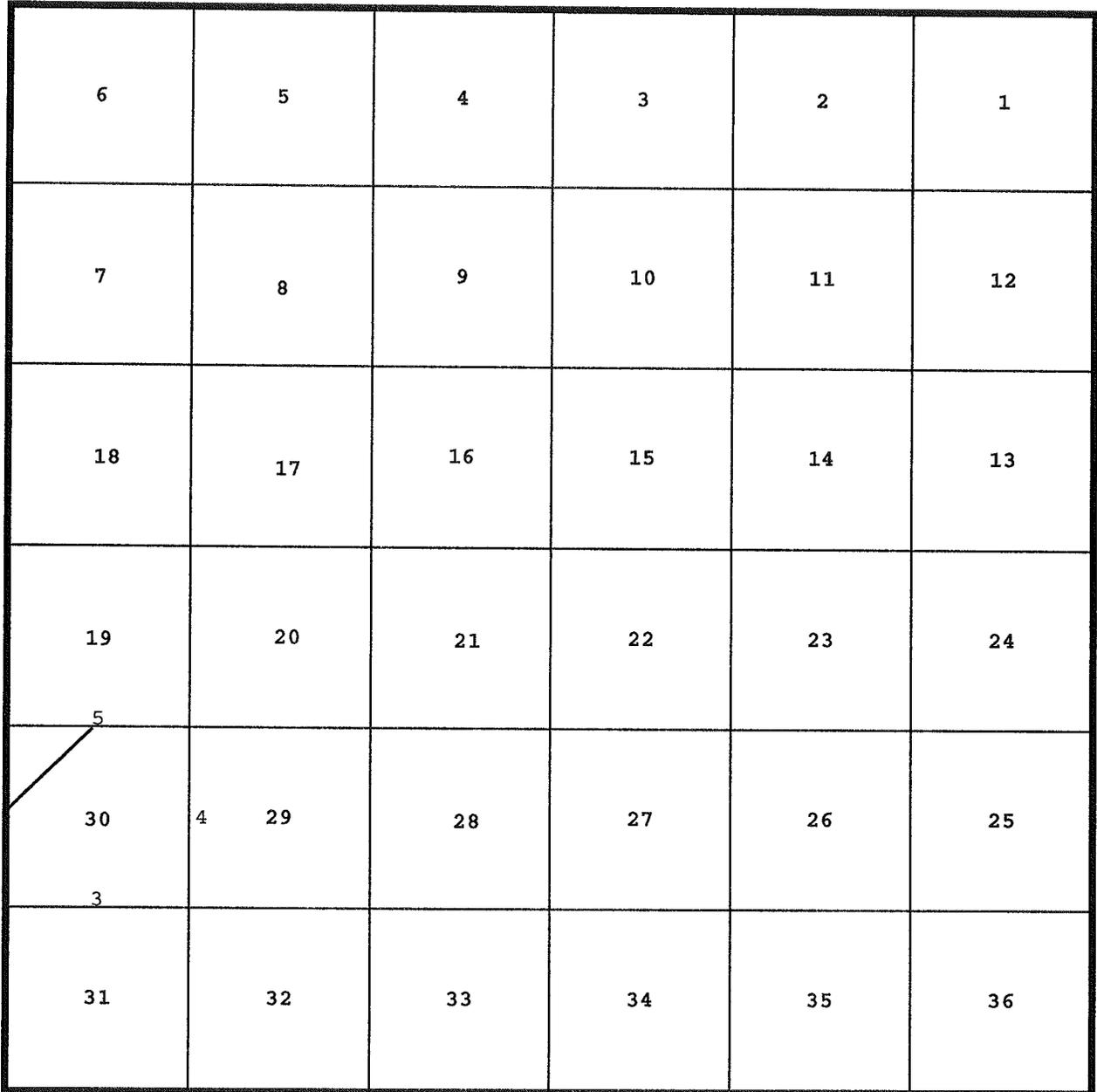
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# INDEX DIAGRAM

Township 6 South, Range 7 West.



The northwesterly right-of-way line of Utah State Road  
No. 199 through Section 30.....Page 6

## TOWNSHIP 6 SOUTH, RANGE 7 WEST, SALT LAKE MERIDIAN, UTAH

The following field notes are those of the dependent resurvey of a portion of the subdivisional lines and the survey of the northwesterly right-of-way line of Utah state road no. 199 through section 30, in Township 6 South, Range 7 West, Salt Lake Meridian, Utah.

## HISTORY OF SURVEYS (Section 30 only)

	Surveyed by		Retr. Or Resurveyed by	
<b>WEST BOUNDARY</b>				
All	A.J. Stewart, Sr.	1875	D.T. Gillins (concurrent)	2007
<b>SUBDIVISION (Section 30 only)</b>				
All	J. Gorlinski	1876		
<b>RIGHT-OF-WAY SURVEY</b>				
State Road 199	Utah Department of Transportation	1942		

## TOWNSHIP 6 SOUTH, RANGE 7 WEST, SALT LAKE MERIDIAN, UTAH

This survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions for Group No. 1054, dated September 12, 2007.

The direction of the lines was 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 the 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 was thoroughly verified and only the true line field notes are given herein.

Geodetic Control was derived from GPS static observations, post processed by the National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS): KENNECOTT1UT2005 CORS ARP, MIDVALE CORS ARP, and RED BUTTE CORS ARP.

The geographic position of the corner of sections 19, 24, 25, and 30, on the west boundary of the township, as determined by direct RTK methods from the National Geodetic Survey OPUS solution, is as follows:

Latitude: **40°16'25.970" N.**

Longitude: **112°41'14.235" W., N.A.D. 1983,**

Network Accuracy = 0.200 meter at 95% confidence.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES OF  
TOWNSHIP 6 SOUTH, RANGE 7 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

Dependent Resurvey of a portion of the Subdivisional Lines of  
Township 6 South, Range 7 West, Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by  
J. Gorlinski in 1876

Beginning at the corner of sections 29, 30, 31, and 32,  
monumented with a quartzite stone, 13x13x8 inches, marked with  
1 notch on the south edge and 5 notches on the east edge, with  
a decayed cedar post, 6 inches in diameter, set along the east  
side of the corner.

At the corner point

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

T6S R7W
S30   S29
S31   S32
2007

Bury the marked stone, inverted, alongside the aluminum post.

Set a steel fence post alongside the aluminum post.

N. 89°51.4' W., between sections 30 and 31.

40.270 The 1/4 section corner of sections 30 and 31, monumented with a  
limestone, 11x7x6 inches, lying on its south face, plainly  
marked 1/4 on north face.

At the corner point

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

T6S R7W
S30
1/4 —————
S31
2007

Bury the marked stone, inverted, alongside the aluminum post.

Set a steel fence post along the east side of the aluminum  
post.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES OF  
TOWNSHIP 6 SOUTH, RANGE 7 WEST, SALT LAKE MERIDIAN, UTAH  
CHAINS

N. 89°48.3' W., beginning new measurement.

- 40.186 The corner of sections 25, 30, 31, and 36, on the west boundary of the township, monumented with an aluminum post, 2 1/2 inches diameter, projecting 1 inch above the ground, with aluminum cap marked as described in the official record of the concurrent dependent resurvey of the east boundary of T. 6 S., R. 8 W., under this same group.

From the corner of sections 29, 30, 31, and 32.

N. 0°14.6' W., between sections 29 and 30.

- 40.415 The 1/4 section corner of sections 29 and 30, monumented with a sandstone, 17x8x3 inches, buried 1 inch below ground surface, marked 1/4.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches in diameter, 28 inches in the ground, with aluminum cap marked:

T6S R7W  
1/4  
S30|S29  
2007

Bury the marked stone, inverted, alongside the aluminum post.

Set a steel fence post along the south side of the aluminum post.

N. 0°15.9' W., beginning new measurement.

- 40.351 The corner of sections 19, 20, 29, and 30, monumented with a granite stone, 20x11x7 inches, lying on its east edge, plainly marked with 2 notches on south edge and 5 notches on east edge.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches in diameter, 28 inches in the ground, with aluminum cap marked:

T6S R7W  
S19|S20  
S30|S29  
2007

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES OF  
TOWNSHIP 6 SOUTH, RANGE 7 WEST, SALT LAKE MERIDIAN, UTAH  
CHAINS

Bury the marked stone, inverted, alongside the aluminum post.

Set a steel fence post along the north side of the aluminum post.

N. 89°57.2' W., between sections 19 and 30.

- 40.214 Point for the 1/4 section corner of sections 19 and 30, at proportionate distance, falls on the easterly shoulder of Utah State Road No. 199; there is no remaining evidence of the original corner.

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

T6S R7W  
S19  
1/4 —————  
S30  
2007

- 40.524 Intersect the apparent centerline of Utah State Road No. 199, bears NE-SW.

- 44.465 Intersect the northwesterly right-of-way line of Utah State Road No. 199, hereinafter surveyed. This point of intersection is determined 200 feet distance from and at right angle to the apparent centerline of Utah State Road No. 199.

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

T6S R7W  
S19  
—————  
S30 / ROW  
SR199

2007

- 80.529 The corner of sections 19, 24, 25, and 30, on the west boundary of the township, monumented with an aluminum post, 2 1/2 inches diameter, projecting 4 inches above the ground, with aluminum cap marked as described in the official record of the concurrent dependent resurvey of the east boundary of T. 6 S., R. 8 W., under this same group.

THE SURVEY OF THE NORTHWESTERLY RIGHT-OF-WAY LINE OF UTAH  
STATE ROAD NO. 199 THROUGH SECTION 30,  
TOWNSHIP 6 SOUTH, RANGE 7 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

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The Survey of the Northwesternly Right-of-Way Line of Utah  
State Road No. 199 through Section 30,  
Township 6 South, Range 7 West, Salt Lake Meridian, Utah

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**Note:** The location of Utah State Road No. 199 in section 30, according to drawing sheets nos. 4 and 5 of Utah State Road Commission Plans of Proposed State Road, Project D.A. - W.R. No. 19(1), approved October 1942, and on file at the Utah Department of Transportation (UDOT), was only tied to then existing fences; there is no indication of a monumented right-of-way. After verifying this in the field, a diligent search was made for the fences in an attempt to locate the right-of-way based upon the 1942 ties. The apparent (or present as-built) centerline of State Road No. 199, a paved road, was then surveyed through section 30 as a reference line; this reference line could not be made to fit the existing fences with the 1942 ties and evidence of road realignment could not be found. Therefore, the reference line is used as the best available evidence of the original 1942 centerline of State Road No. 199 in section 30 to control the right-of-way location. The northwesterly right-of-way line of State Road No. 199 is established parallel with and 200 feet distance from the reference line. This method is verified by a measured distance of 3053.85 feet between the found 1/4 section corner of sections 8 and 9 and the apparent centerline of State Road No. 199 in section 9 (3053 feet shown on sheet 5, Utah State Road Commission Plans near highway station 965+05.7).

From the point of intersection of the northwesterly right-of-way line of Utah State Road No. 199 and the section line between sections 19 and 30, hereinbefore described.

S. 39°47.6' W., on the northwesterly right-of-way line of Utah State Road No. 199.

- 55.925 Intersect the west boundary of the township, monumented with an aluminum post, 2 1/2 inches diameter, projecting 4 inches above the ground, with aluminum cap marked as described in the official record of the concurrent dependent resurvey of the east boundary of T. 6 S., R. 8 W., under this same group.
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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**FIELD ASSISTANTS**

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Name	Capacity
Calvert C. Norton	Survey Technician
Adrian M. Kurip	Survey Technician

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## CERTIFICATE OF SURVEY

We, *Ronald K. Baugh, Supervisory Cadastral Surveyor, and Daniel T. Gillins, Survey Technician*, HEREBY CERTIFY upon honor, that in pursuance of Special Instructions bearing the date of the *12<sup>th</sup> day of September, 2007*, we have *dependently resurveyed a portion of the subdivisional lines, and surveyed the northwesterly right-of-way line of Utah State Road No. 199 through section 30, in Township 6 South, Range 7 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.

May 09, 2011

Date

Ronald K. Baugh

Supervisory Cadastral Surveyor

January 28, 2011

Date

Daniel T. Gillins

Survey Technician

## 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 survey of the northwesterly right-of-way line of Utah State Road No. 199 through section 30, in Township 6 South, Range 7 West, Salt Lake Meridian, Utah*, executed by *Ronald K. Baugh, Supervisory Cadastral Surveyor, and Daniel T. Gillins, Survey Technician*, having been critically examined and found correct, are hereby approved.

May 9, 2011

Date

Daniel W. Wells

Chief Cadastral Surveyor for Utah