

THE UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ORIGINAL  
FIELD NOTES

OF  
THE DEPENDENT RESURVEY OF  
A PORTION OF,  
THE INTERIOR SUBDIVISIONAL LINES  
OF SECTION 35,  
AND  
THE METES AND BOUNDS SURVEY OF LOT NUMBERS 1 AND 2  
IN SECTION 35,  
IN  
**TOWNSHIP 42 SOUTH, RANGE 16 WEST**  
OF THE SALT LAKE MERIDIAN  
IN THE STATE OF UTAH

EXECUTED BY

**Ronald K. Baugh**  
**Supervisory Cadastral Surveyor**

Under special instructions dated **January 26, 2007**, approved **January 26, 2007**, which provided for the surveys included under Group Number **1042**, and assignment instructions dated **January 26, 2007**, and reassignment instructions dated **March 3, 2008**.

Survey commenced **January 29, 2007**  
Survey completed **January 31, 2007**

# INDEX DIAGRAM

Township 42 South, Range 16 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	29	28	27	26	25
31	32	33	34	35	36

Subdivision of Section 35.....Page 3  
Metes and Bounds Survey of Lot Numbers 1 and 2, Section 35.....Page 5

## T. 42 S., R. 16 W., SALT LAKE MERIDIAN

The following field notes are those of the dependent resurvey of a portion of the interior subdivisional lines of section 35, and the metes and bounds survey of lot numbers 1 and 2 in section 35, in T. 42 S., R. 16 W., Salt Lake Meridian, Utah.

**History of Surveys**

	<b>Surveyed by</b>		<b>Retr. or Resurveyed by</b>	
<b>SUBDIVISION</b>				
Portion	J. Gorlinski	1870		
Portion	M.H. Dalley	1900		
Portion			M.H. Dalley	1900
Portion			G.B. Hatch	1968
Portion			R.A. Zaninovich	1985
Portion			M.H. Krohn	1985
Portion			L.V. Judd	2001
Portion			L.V. Judd	2006

**HISTORY OF LOCAL SURVEYS**

In 1992, Alpha Engineering Company of St. George, Utah preformed a survey for the Washington County School District. The record of survey was obtained from the Washington County Map Depository in St. George Utah.

In 1994, Rosenberg Associates of St. George, Utah preformed a survey for Reed Mathis. The record of survey was obtained from the Washington County Map Depository in St. George Utah.

Rosenberg Associates of St. George, Utah has an ongoing survey for the Pellican Hills Condominiums phase 1. A preliminary plat was obtained directly from Rosenberg Associates.

Ward Engineering (Ken Hamblin) of St. George, Utah has an ongoing survey for Premier Development. A preliminary plat was obtained directly from Ken Hamblin.

## T. 42 S., R. 16 W., 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. 1042, dated January 26, 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 GPS Methods*, dated May 9, 2001, Version 1.0. Trimble model 5700 GPS receivers were used for field collection. Cadastral Measurement Management (CMM) 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 their 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 National Geodetic Survey Cooperative Base Network Control Station "FAA SGU A", with the published data as follows:

Latitude: 37°05'18.14581" N. Longitude: 113°35'33.50317 W.  
NAD 1983 (1994) Elevation: 2897.9 ft. NAVD 1988

The geographic position of the C-S-N 1/64 section corner of section 35, determined by using RTK methods from National Geodetic Survey Cooperative Base Network Control Station "FAA SGU A" is as follows:

Latitude: 37°05'23.855" N. Longitude: 113°36'50.881" W. N.A.D. 83, Network Accuracy = 0.200 meter at 95% confidence.

DEPENDENT RESURVEY OF A PORTION OF THE INTERIOR SUBDIVISIONAL  
LINES OF SECTION 35, T. 42 S., R. 16 W.,  
SALT LAKE MERIDIAN, UTAH

CHAINS

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Dependent Resurvey of a Portion of the Interior  
Subdivisional Lines of Section 35, T. 42 S., R. 16 W.,  
Salt Lake Meridian, Utah

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Reestablishment of the Survey Executed by  
M.H. Krohn in 1985

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Beginning at the C-N-S 1/64 section corner of section 35, monumented with a 5/8 inch diameter rebar with attached plastic cap, marked ALPHA ENG, firmly set, projecting 2 inches above ground, with a steel fence post alongside. There is no remaining evidence of the 1985 aluminum post.

The rebar is accepted as a careful and faithful determination of the C-N-S 1/64 section corner position as shown on the Alpha Engineering Record of Survey for the Washington County School District on file in the Washington County Map Depository.

From this corner, the center 1/4 section corner of section 35 bears, S. 1°01.6' E., 10.034 chains distance. Monumented with an aluminum post, 2 1/2 inch diameter, firmly set in a mound of stones with the aluminum cap marked as described in the official record of the survey executed by M.H. Krohn in 1985.

N. 1°01.8' W., on the N-S center line of section 35.

**1.945** Point for Angle Point No. 1, a corner point of the metes and bounds survey of lot numbers 1 and 2, in section 35, at intersection with the centerline of Dixie Drive. Not monumented.

**10.033** The center N 1/16 section corner of section 35, monumented with an aluminum post, 2 1/2 inches diameter, firmly set, projecting 3 inches above ground, with the aluminum cap marked as described in the official record of the survey executed by M.H. Krohn in 1985.

Found a steel fence post alongside the aluminum post.

The corner is located within the flood plain of the Santa Clara River.

From this corner, National Geodetic Survey Cooperative Base Network Control Station "FAA SGU A", monumented with a standard disk, set in concrete, with the disk stamped FAA SGU A 1994, bears S.78°50.7'E., forward bearing and N.78°49.9'W., back bearing for 97.021 chains distance.

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DEPENDENT RESURVEY OF A PORTION OF THE INTERIOR SUBDIVISIONAL  
 LINES OF SECTION 35, T. 42 S., R. 16 W.,  
 SALT LAKE MERIDIAN, UTAH

CHAINS

N. 89°49.7' W., on the E-W center line of the NW 1/4 of section 35.

**5.777** Point for Angle Point No. 2, a corner point of the metes and bounds survey of lot numbers 1 and 2, in section 35, at intersection with the centerline of Dixie Drive. Not monumented.

**10.107** Point for the C-E-NW 1/64 section corner. There is no remaining evidence of the 1985 aluminum post. Not monumented.

**15.160** The C-W-E-NW 1/256 section corner of section 35, monumented with a 5/8 inch diameter rebar with attached plastic cap, marked KEN HAMBLIN PLS 166295, firmly set flush with the ground. There is no remaining evidence of the 1985 aluminum post.

The rebar is accepted as a careful and faithful determination of the C-W-E-NW 1/256 section corner.

From this corner, the NW 1/16 section corner of section 35 bears, N. 89°49.7' W., 5.053 chains distance. Monumented with an aluminum post, 2 1/2 inch diameter with the aluminum cap marked as described in the official record of the survey executed by M.H. Krohn in 1985.

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From the C-S-N 1/64 section corner of section 35.

N. 89°55.9' W., on the E-W center line of the SE 1/4 of the NW 1/4 of section 35.

**10.127** The SE-NW 1/64 section corner of section 35, monumented with an aluminum post, 2 1/2 inches diameter, firmly set, in a mound of stone 2 ft. base 1 ft. high, with the aluminum cap marked as described in the official record of the survey executed by M.H. Krohn in 1985.

Found a steel fence post alongside the aluminum post.

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N. 89°55.5' W., beginning new measurement.

**5.066** The C-W-SE-NW 1/256 section corner of section 35, monumented with an aluminum post, 2 1/2 inches diameter, firmly set, in a mound of stone 2 ft. base 1 ft. high, with the aluminum cap marked as described in the official record of the survey executed by M.H. Krohn in 1985.

Found a steel fence post alongside the aluminum post.

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From the SE-NW 1/64 section corner of section 35.

DEPENDENT RESURVEY OF A PORTION OF THE INTERIOR SUBDIVISIONAL  
 LINES OF SECTION 35, T. 42 S., R. 16 W.,  
 SALT LAKE MERIDIAN, UTAH

CHAINS

N.  $0^{\circ}54.8'$  W., on the N-S center line of the SE 1/4 of the NW 1/4 of section 35.

**10.051** The point for the C-E-NW 1/64 section corner of section 35.

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From the C-W-SE-NW 1/256 section corner of section 35.

N.  $0^{\circ}50.4'$  W., on the N-S center line of the NW 1/4 of the SE 1/4 of the NW 1/4 of section 35.

**10.059** The C-W-E-NW 1/256 section corner of section 35.

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Metes and Bounds Survey of Lot Numbers 1 and 2, in Section 35  
 T. 42 S., R. 16 W., Salt Lake Meridian, Utah

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From the point for Angle Point No. 1 on the N-S center line of section 35, at intersection with the center line of Dixie Drive, identical with the point of curvature of a non tangent curve, hereinbefore described.

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Thence, along the centerline of Dixie Drive road, on the arc of a curve to the right, having a delta angle of  $23^{\circ}53'36''$ , radius of 1600 ft., and the chord bearing N.  $36^{\circ}09'23''$  W., 662.40 ft. (10.0364) chs.) distance.

**10.1095** The point for Angle Point No. 2 on the E-W center line of the NW 1/4 of section 35, hereinbefore described.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**FIELD ASSISTANTS**

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Name	Capacity
C. Scott Bishop	Cadastral Surveyor

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## 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 **26th day of January, 2007**, have executed a **dependent resurvey of a portion of the interior subdivisional lines of section 35, and the metes and bounds survey of lot numbers 1 and 2, in section 35, in Township 42 South, Range 16 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.

July 8, 2008  
Date

Ronald K. Baugh  
(Supervisory Cadastral Surveyor)

## CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Salt Lake City, Utah

The following field notes of the **dependent resurvey of a portion of the interior subdivisional lines of section 35, and the metes and bounds survey of lot numbers 1 and 2, in section 35, in Township 42 South, Range 16 West, Salt Lake Meridian, Utah,**

executed by **Ronald K. Baugh**, *Supervisory Cadastral Surveyor*, having been critically examined and found correct, are hereby approved.

July 10, 2008  
Date

Daniel W. Webb  
(Chief Cadastral Surveyor for Utah)