

**Acknowledgment and  
Notice of Acknowledgment  
of Acceptance of R.S. 2477  
Right-of-Way Grant**

Ent 486411 Bk 730 Pg 507-519  
Date: 27-MAY-2008 1:07PM  
Fee: None  
Filed By: PL  
MERLENE MOSHER DALTON, Recorder  
GRAND COUNTY CORPORATION  
For: STATE OF UTAH

**THE STATE OF UTAH**

**TO ALL WHOM THESE PRESENTS SHALL COME, Greeting:**

**Know ye,** This is an Acknowledgment and Notice of Acknowledgment made under Utah Code Sections 72-5-309 through 310 inclusive, that the grant of the United States of America of “the right of way for the construction of highways over public lands, not reserved for public uses” under United States Revised Statutes 2477 (43 U.S.C. Section 932 (repealed October 21, 1976, with proviso recognizing the validity of rights-of-way already established)) was accepted for and on behalf of the State of Utah and its political subdivision Grand County as it pertains to the highway located in Grand County known as THORNBURG ROAD; County Road Number: 00215; State Geographic Information Database (SGID) Road Identification Number: RD100105. Total road length is 5 miles more or less.

The reason for this Acknowledgment and Notice of Acknowledgment includes, but is not limited to, the fact that the road was constructed, mechanically, or by continuous use as a public highway for a period of at least ten years, over public lands not reserved for public uses, prior to the earlier of (a) the October 21, 1976 repeal of R.S. 2477 or (b) the date the servient estate was reserved for public uses.

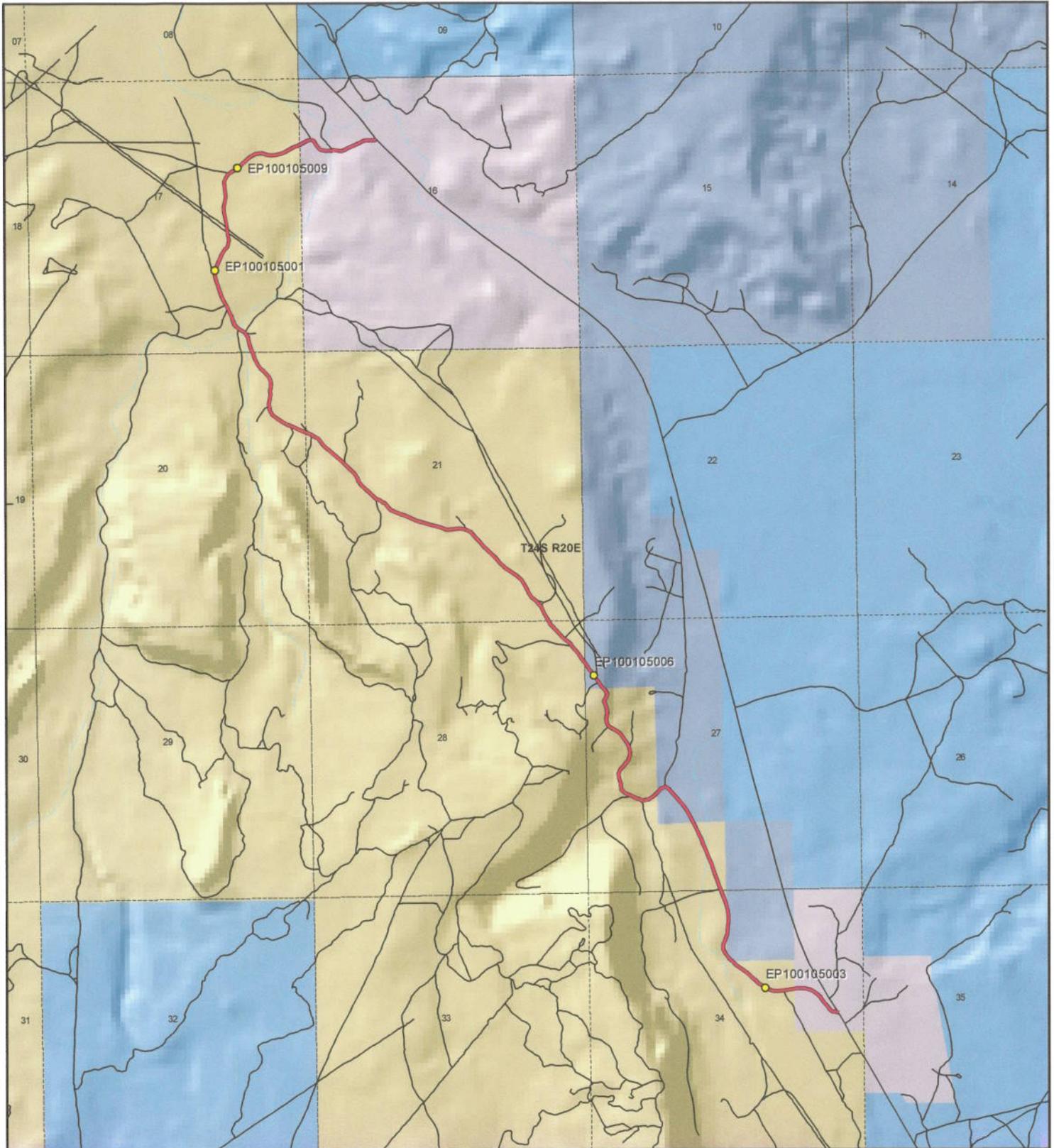
This Acknowledgment and Notice of Acknowledgment applies only to the segments of the road that traverse land owned by the Bureau of Land Management, United States Department of the Interior, and does not apply to segments of the road that traverse land owned by any other person or entity. The State of Utah and its political subdivisions reserve the right to make further acknowledgments and notices of acknowledgment with regard to road segments that traverse land owned by other entities, including the United States of America, through one or more of its agencies.

A printed copy of a map showing the location of the road in said county is appended hereto as “Attachment 1,” a printed copy of representative photos of the road is appended hereto as “Attachment 2,” a printed copy of a description of the beginning and ending points of the entire road together with a list of Townships, Ranges and Sections that may be traversed by the road in said county is appended hereto as “Attachment 3,” and a printed copy of the Road Centerline Description Cover Page(s) is appended hereto as “Attachment 4.” The Appendices listed in “Attachment 4” that contain the actual road centerline descriptions are incorporated herein by reference. Affidavits provided by individuals familiar with the road are appended hereto as “Attachment 5.”

A printed copy of this Acknowledgment and Notice of Acknowledgment, together with its Attachments and Appendices, may be viewed and/or obtained at the office of the Utah State Archives.

An electronic copy of this Acknowledgment and Notice of Acknowledgment, together with its Attachments and Appendices, may be viewed and/or downloaded as read-only PDF (Portable Document Format) files via the





<p>1:30,197 1 inch equals 0.5 miles</p>		<p style="text-align: center;"><b>Thornburg Road - Grand County</b> <b>SGID RD_ID RD100105</b></p> <table border="0"> <tr> <td colspan="2"><b>Land Ownership Categories</b></td> <td colspan="2"><b>Transportation Network</b></td> </tr> <tr> <td> BLM</td> <td> Wilderness</td> <td> Thornburg Road</td> <td> Title V: Issued Or Under Consideration By BLM Or County</td> </tr> <tr> <td> Private</td> <td> UDWR Wildlife Reserve</td> <td> Other Roads</td> <td> Photo Event Point</td> </tr> <tr> <td> SITLA, State Trust Land</td> <td> DOD, Military</td> <td> Section = 1 Mile</td> <td></td> </tr> <tr> <td> USFS, National Forest</td> <td> State Sovereign Land</td> <td></td> <td></td> </tr> <tr> <td> State Parks and Recreation</td> <td> National Recreation Area</td> <td></td> <td></td> </tr> <tr> <td> Tribal, Indian Reservation</td> <td> USFWS, Natl. Wildlife Refuge</td> <td></td> <td></td> </tr> <tr> <td> NPS, National Park</td> <td></td> <td></td> <td></td> </tr> </table>	<b>Land Ownership Categories</b>		<b>Transportation Network</b>		BLM	Wilderness	Thornburg Road	Title V: Issued Or Under Consideration By BLM Or County	Private	UDWR Wildlife Reserve	Other Roads	Photo Event Point	SITLA, State Trust Land	DOD, Military	Section = 1 Mile		USFS, National Forest	State Sovereign Land			State Parks and Recreation	National Recreation Area			Tribal, Indian Reservation	USFWS, Natl. Wildlife Refuge			NPS, National Park				<p>Map prepared by the State of Utah Automated Geographic Reference Center Room 5130 State Office Building Salt Lake City, Utah 84114 Apr 10, 2008</p>
<b>Land Ownership Categories</b>		<b>Transportation Network</b>																																	
BLM	Wilderness	Thornburg Road	Title V: Issued Or Under Consideration By BLM Or County																																
Private	UDWR Wildlife Reserve	Other Roads	Photo Event Point																																
SITLA, State Trust Land	DOD, Military	Section = 1 Mile																																	
USFS, National Forest	State Sovereign Land																																		
State Parks and Recreation	National Recreation Area																																		
Tribal, Indian Reservation	USFWS, Natl. Wildlife Refuge																																		
NPS, National Park																																			

Attachment 2



EP100105001



EP100105003



EP100105006



EP100105009

EP000000000

EP000000000

Ent 486411 Bk 0730 Pg 0510

**Thornburg Road - Grand County**  
**SGID RD\_ID RD100105**

Map prepared by the State of Utah  
Automated Geographic Reference Center  
Room 5130 State Office Building  
Salt Lake City, Utah 84114  
April 14, 2008



### Attachment 3

#### Beginning & Ending Points and Township, Range, and Section References For:

**Popular Name: THORNBURG ROAD**

**County: Grand**

**County Road Number: 00215**

**State Geographic Information Database (SGID) Road Identification Number: RD100105.**

**Total Road Length: 5 miles more or less.**

**Beginning at a point** on the road centerline located at 38 degrees 40 minutes 49.33 seconds North Latitude and -109 degrees 41 minutes 031.5 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah Central Zone NAD 83 feet coordinates of X = 2,156,558.8 feet and Y = 6,693,292.5 feet based on the US Survey Foot conversion.

**Ending at a point** on the road centerline located at 38 degrees 43 minutes 37.58 seconds North Latitude and -109 degrees 43 minutes 20.69 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah Central Zone NAD 83 feet coordinates of X = 2,147,563.2 feet and Y = 6,710,138.1 feet based on the US Survey Foot conversion.

This road may traverse:

Township 24 South Range 20 East, Section(s) 16,17,20,21,27,28,34, Salt Lake Base & Meridian  
See Attachment 1 above for a cartographic depiction of the course of this road.

**Attachment 4  
Road Centerline Description Cover Page(s)**

**Popular Name: THORNBURG ROAD**

**County: Grand**

**County Road Number: 00215**

**State Geographic Information Database (SGID) Road Identification Number: RD100105.**

**Total Road Length: 5 miles more or less.**

**Centerline Descriptions Of Road-Segments That Cross Over Federally Owned Land, Derived From Global Positioning System Data And Cross-checked against USGS Digital Orthophoto Quadrangles Compiled By The Utah Automated Geographic Reference Center And Entered Into The State Geographic Information Database (SGID).**

<b>Road-Segments Listed by SGID Road Identification Number (RD ID)</b>	<b>Road-Segment Numbers</b>	<b>Believed Ownership Of Servient Estate</b>	<b>Approximate Segment Length</b>	<b>See Attached Appendix</b>
RD100105	001	PVT	0.2 Miles	(not shown)
RD100105	002	BLM	0.26 Miles	A
RD100105	003	ST	0.03 Miles	(not shown)
RD100105	004	BLM	0.07 Miles	B
RD100105	005	ST	0.12 Miles	(not shown)
RD100105	006	BLM	0.32 Miles	C
RD100105	007	ST	0.21 Miles	(not shown)
RD100105	008	BLM	0.58 Miles	D
RD100105	009	ST	0.12 Miles	(not shown)
RD100105	010	BLM	2.78 Miles	E
RD100105	011	PVT	0.31 Miles	(not shown)
		<b>Total Road Length</b>	<b>5</b>	

\* Indicates that a Title V permit will be requested, is in process, or has been issued.

† Indicates that road-segments crossing Forest Service land are under consideration by the state and county as of the date of this Acknowledgment and Notice of Acknowledgment.

**Attachment 5**

**AFFIDAVIT OF RAYMOND M. TIBBETTS**

**THORNBURG ROAD**

**COUNTY ROAD NUMBER 00215**

**GRAND COUNTY, UTAH**

State of Utah                    )  
  : ss.  
County of Grand                )

RAYMOND M. TIBBETTS, being first duly sworn, deposes and states as follows:

1. I am an adult competent to testify about the matters set forth below based upon my personal knowledge. I have lived in Grand County for 68 years. I was a Grand County Commissioner for six years. I was a Grand County Deputy Sheriff from 1954 to 1956.

2. I have traveled and am familiar with a road in Grand County known as Thornburg Well Road. I am also familiar with the land the road traverses. When I first used and observed the road in the mid 1950s, it followed the same route as in 2007 when I last observed it. Attached is a Grand County map showing Thornburg Road. To the best of my knowledge and based upon my use of and familiarity with this road and the land it traverses, the location and route of the road are correctly illustrated on the attached map. The County also identifies this road according to the road number listed above.

3. I have observed that the road has been open to the public for all to use, to come and go as they pleased, since at least as early as the mid 1950s and continuing through 1976 to 2007. Throughout this time period I have observed travel on the road by

various means, including Grand County road equipment, ATVs, trucks and jeeps. Throughout this time period, the road has been used daily for more than ten continuous years prior to 1976, and was used daily in 2007.

4. Throughout the time period from the mid 1950s to 2007, I have used the road myself for hunting, law enforcement, wood gathering, arrow head hunting and recreation.

5. Throughout the time period described in the previous paragraph, I observed vehicles using the road at various times for the uses described in the previous paragraph, plus livestock operations, tourism, rock hounding, prospecting for minerals, biking and traveling in and through the area.

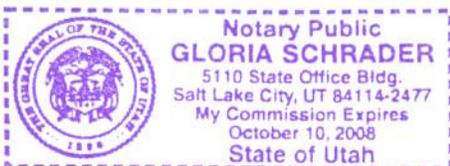
6. It is also the reputation in the community that this road has been open to the public for all to use, to come and go as they pleased, since at least as early as the mid 1950s and continuing through 1976 to the present, for the uses described in the previous paragraphs.

7. Prior to 1976, I observed maintenance equipment performing maintenance and construction activities on the road.

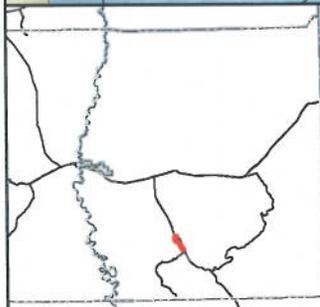
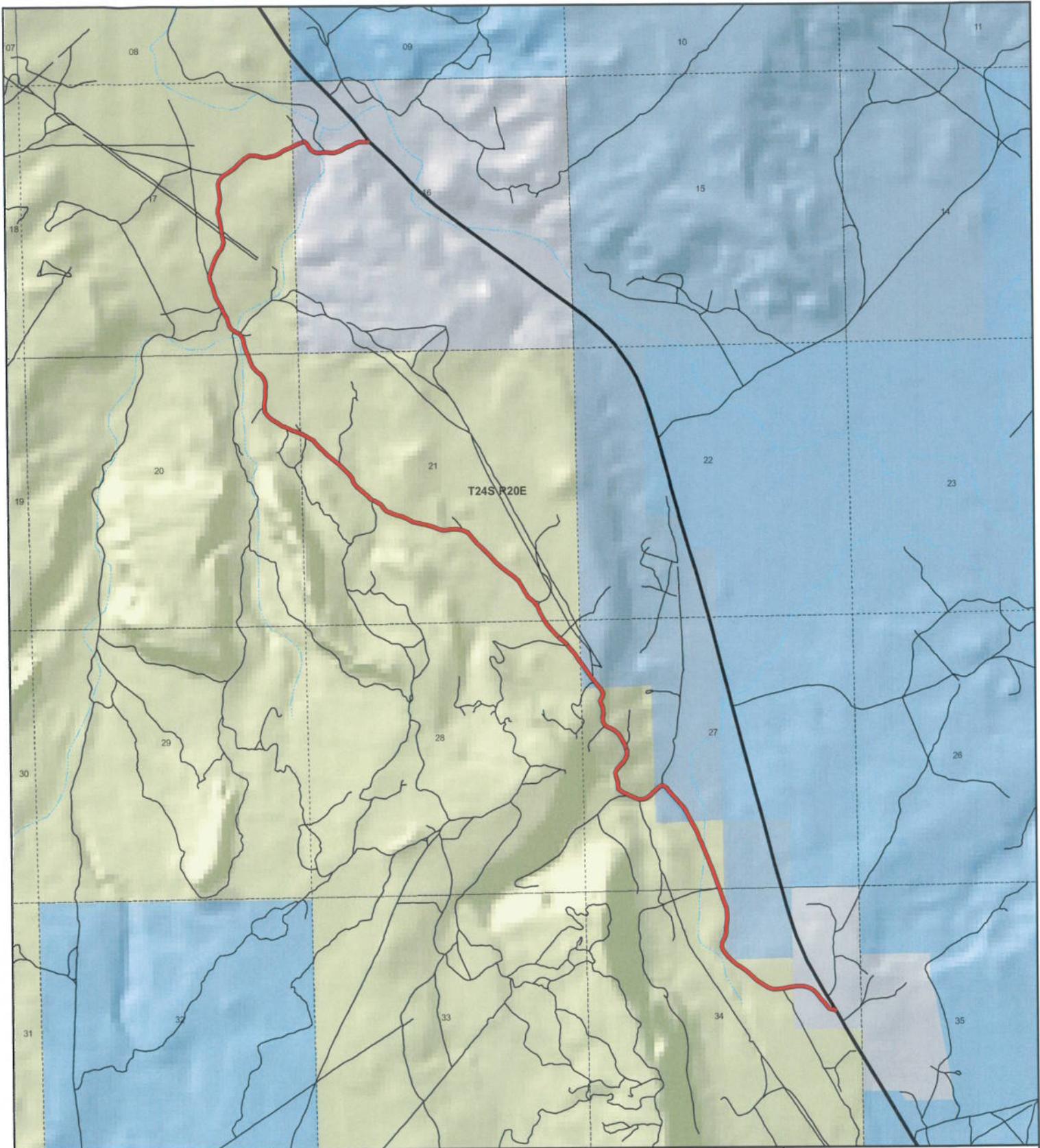
Dated this 1 day of August, 2007.

  
RAYMOND M. TIBBETTS

SUBSCRIBED AND SWORN to before me this 1<sup>st</sup> day of August, 2007.



  
NOTARY PUBLIC



**Thornburg  
County Unique - 00215**

**Land Ownership Categories**

- BLM
- US Forest Service
- Private
- State Lands
- National Parks (NPS)
- Wilderness
- National Recreation Area
- State Parks
- State Sovereign Land
- Tribal Lands
- Military
- Wildlife Reserve

**Transportation Network**

- Thornburg
- State / U.S. Highway
- Local Roads

**Misc**

- City / Town
- Municipalities
- Section = 1 Mile



1:29,713

1 inch equals 0.5 miles



Map prepared by the State of Utah  
AGRC  
Room 5133 State Office Building  
Salt Lake City, Utah 84114  
Jul 25, 2007



**AFFIDAVIT OF JERRY McNEELY**

**THORNBURG ROAD**

**GRAND COUNTY, UTAH**

**ROAD NUMBER 00215**

State of Utah                    )  
  : ss.  
County of Grand                )

JERRY McNEELY, being first duly sworn, deposes and states as follows:

1. I am an adult competent to testify about the matters set forth below based upon my personal knowledge. I currently reside in Moab, Grand County, Utah. I have lived in Grand County since 1945. My Great-Grandfather settled in the Moab Valley in the late 1800s. I have been a Grand County Council member since 2001.

2. I have traveled and am familiar with a road in Grand County known as Thornburg Road. I am also familiar with the land the road traverses. When I first used and observed the road in the early 1960s it followed the same route as in 2007 when I last observed it. Attached is a Grand County map showing Thornburg Road. To the best of my knowledge and based upon my use of and familiarity with this road and the land it traverses, the location and route of the road are correctly illustrated on the attached map.

3. The County also identifies this road according to the road number listed above.

4. I have observed that the road has been open to the public for all to use, to come and go as they pleased, since at least as early as the early 1960s and continuing through 2007. Throughout this time period I observed travel on the road by means of jeeps, mountain bikes, pickup trucks and ATVs. During this time period, the road was used daily for more than ten continuous years prior to 1976 and was so used in 2007.

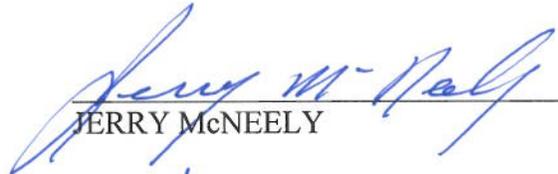
5. Throughout the time period from the early 1960s to 2007, I used the road myself for my employment with a land surveyor, hunting and recreation.

6. Throughout the time period described in the previous paragraph, I have observed other vehicles from the general public using the road at various times for the uses described in the previous paragraph plus, livestock operations, wood gathering, prospecting for minerals, rock hounding, mining, oil and gas exploration and development and sightseeing.

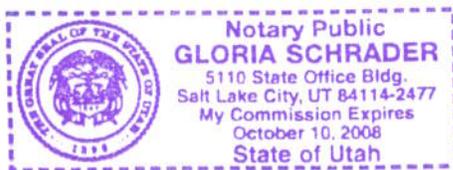
7. It is also the reputation in the community that this road has been open to the public for all to use, to come and go as they pleased, since at least as early as the 1950s and continuing through 1976 to the present, for the uses described in the previous paragraphs.

8. Prior to 1976, I observed the graded surface of the road and other evidence of maintenance and construction activities such as berms along the side of the road.

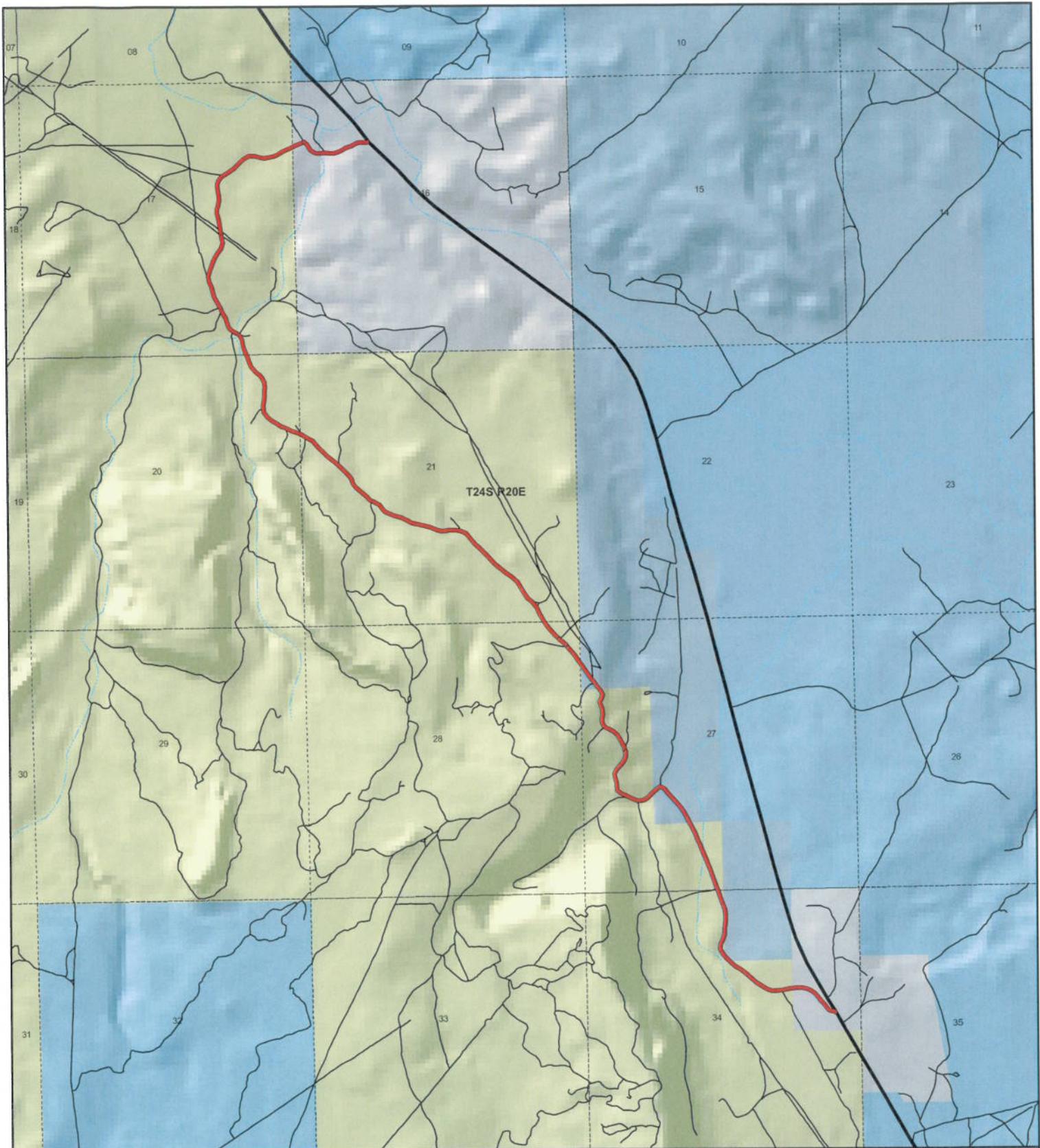
DATED this 1 day of August, 2007.

  
\_\_\_\_\_  
JERRY McNEELY

SUBSCRIBED AND SWORN to before me this 1<sup>st</sup> day of August, 2007.



  
\_\_\_\_\_  
NOTARY PUBLIC



**Thornburg  
County Unique - 00215**

**Land Ownership Categories**

- BLM
- US Forest Service
- Private
- State Lands
- National Parks (NPS)
- Wilderness
- National Recreation Area
- State Parks
- State Sovereign Land
- Tribal Lands
- Military
- Wildlife Reserve

**Transportation Network**

- Thornburg
- State / U.S. Highway
- Local Roads

**Misc**

- City / Town
- Municipalities
- Section = 1 Mile



1:29,713  
1 inch equals 0.5 miles



Map prepared by the State of Utah  
AGRC  
Room 5130 State Office Building  
Salt Lake City, Utah 84114  
Jul 25, 2007



## Appendix A to Attachment 4

**Popular Name: THORNBURG ROAD**

**County: Grand**

**County Road Number: 00215**

**State Geographic Information Database (SGID) Road Identification Number: RD100105.**

**Road-Segment Number: 002**

**Road-Segment Length: 0.26 miles more or less.**

**Believed owner of the land underlying this road-segment is: Bureau of Land Management.**

*The following description is based upon the geographic coordinate system using the NAD83 Datum. The source is GPS mapping grade data as indicated in the metadata and/or the transportation data model of the State of Utah Geographic Information Database (SGID).*

The road-segment itself is the monument that is identified by its physical presence on the land. The location of said physical presence is closely approximated by mapping grade Global Positioning System (GPS) data. Said data are checked against the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS) to verify a reasonable degree of accuracy. In circumstances where accurate satellite signal acquisition is not possible, such as deep, narrow canyons or under a canopy of dense foliage, or where very sharp curves in the road make accuracy questionable, such portions of the road were digitized from the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS).

This road-segment may traverse:

Township 24 South Range 20 East, Section(s) 34, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (THORNBURG ROAD)-- Segment 002 based on mapping grade Global Positioning System (GPS) data as defined above:

**Beginning at a point** on the road center line located at 38 degrees 40 minutes 54.11 seconds North Latitude and -109 degrees 41 minutes 42.18 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah Central Zone NAD 83 feet coordinates of X = 2,155,702.4 feet and Y = 6,693,759.0 feet; thence the following courses along the said road center line:

thence South 80 Degrees 12 Minutes 51 Seconds West 54 feet  
thence South 79 Degrees 17 Minutes 19 Seconds West 127.6 feet  
thence South 85 Degrees 08 Minutes 09 Seconds West 20.8 feet  
thence South 82 Degrees 34 Minutes 46 Seconds West 93.2 feet  
thence North 89 Degrees 03 Minutes 26 Seconds West 73.3 feet  
thence South 89 Degrees 39 Minutes 34 Seconds West 2.5 feet  
thence North 81 Degrees 48 Minutes 35 Seconds West 33.2 feet  
thence North 70 Degrees 40 Minutes 20 Seconds West 87.8 feet  
thence North 61 Degrees 49 Minutes 02 Seconds West 110 feet  
thence North 56 Degrees 49 Minutes 17 Seconds West 115.9 feet  
thence North 49 Degrees 03 Minutes 38 Seconds West 109.4 feet

thence North 47 Degrees 45 Minutes 30 Seconds West 106.7 feet  
thence North 49 Degrees 34 Minutes 36 Seconds West 98 feet  
thence North 50 Degrees 55 Minutes 23 Seconds West 77.5 feet  
thence North 59 Degrees 30 Minutes 09 Seconds West 64 feet  
thence North 57 Degrees 43 Minutes 37 Seconds West 42.6 feet  
thence North 54 Degrees 05 Minutes 11 Seconds West 30.5 feet  
thence North 50 Degrees 44 Minutes 33 Seconds West 23.2 feet  
thence North 49 Degrees 27 Minutes 31 Seconds West 72.7 feet  
thence North 47 Degrees 28 Minutes 43 Seconds West 39.8 feet more or less to **the ending point at:** 38 degrees 40 minutes 059.5 seconds North Latitude and -109 degrees 41 minutes 57.07 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah Central Zone NAD 83 feet coordinates of X = 2,154,510.4 feet and Y = 6,694,280.5 feet.

## Appendix B to Attachment 4

**Popular Name: THORNBURG ROAD**

**County: Grand**

**County Road Number: 00215**

**State Geographic Information Database (SGID) Road Identification Number: RD100105.**

**Road-Segment Number: 004**

**Road-Segment Length: 0.07 miles more or less.**

**Believed owner of the land underlying this road-segment is: Bureau of Land Management.**

*The following description is based upon the geographic coordinate system using the NAD83 Datum. The source is GPS mapping grade data as indicated in the metadata and/or the transportation data model of the State of Utah Geographic Information Database (SGID).*

The road-segment itself is the monument that is identified by its physical presence on the land. The location of said physical presence is closely approximated by mapping grade Global Positioning System (GPS) data. Said data are checked against the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS) to verify a reasonable degree of accuracy. In circumstances where accurate satellite signal acquisition is not possible, such as deep, narrow canyons or under a canopy of dense foliage, or where very sharp curves in the road make accuracy questionable, such portions of the road were digitized from the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS).

This road-segment may traverse:

Township 24 South Range 20 East, Section(s) 34, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (THORNBURG ROAD)-- Segment 004 based on mapping grade Global Positioning System (GPS) data as defined above:

**Beginning at a point** on the road center line located at 38 degrees 41 minutes 00.69 seconds North Latitude and -109 degrees 41 minutes 58.47 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah Central Zone NAD 83 feet coordinates of X = 2,154,397.3 feet and Y = 6,694,398.0 feet; thence the following courses along the said road center line:

thence North 36 Degrees 38 Minutes 13 Seconds West 51.8 feet

thence North 29 Degrees 18 Minutes 13 Seconds West 91.9 feet

thence North 02 Degrees 15 Minutes 43 Seconds East 90.3 feet

thence North 28 Degrees 01 Minutes 43 Seconds East 104.4 feet

thence North 15 Degrees 26 Minutes 30 Seconds East 55.4 feet more or less to **the ending**

**point at:** 38 degrees 41 minutes 04.22 seconds North Latitude and -109 degrees 41 minutes 58.49 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah Central Zone NAD 83 feet coordinates of X = 2,154,388.8 feet and Y = 6,694,755.6 feet.

## Appendix C to Attachment 4

**Popular Name: THORNBURG ROAD**

**County: Grand**

**County Road Number: 00215**

**State Geographic Information Database (SGID) Road Identification Number: RD100105.**

**Road-Segment Number: 006**

**Road-Segment Length: 0.32 miles more or less.**

**Believed owner of the land underlying this road-segment is: Bureau of Land Management.**

*The following description is based upon the geographic coordinate system using the NAD83 Datum. The source is GPS mapping grade data as indicated in the metadata and/or the transportation data model of the State of Utah Geographic Information Database (SGID).*

The road-segment itself is the monument that is identified by its physical presence on the land. The location of said physical presence is closely approximated by mapping grade Global Positioning System (GPS) data. Said data are checked against the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS) to verify a reasonable degree of accuracy. In circumstances where accurate satellite signal acquisition is not possible, such as deep, narrow canyons or under a canopy of dense foliage, or where very sharp curves in the road make accuracy questionable, such portions of the road were digitized from the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS).

This road-segment may traverse:

Township 24 South Range 20 East, Section(s) 27,34, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (THORNBURG ROAD)-- Segment 006 based on mapping grade Global Positioning System (GPS) data as defined above:

**Beginning at a point** on the road center line located at 38 degrees 41 minutes 10.51 seconds North Latitude and -109 degrees 41 minutes 58.52 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah Central Zone NAD 83 feet coordinates of X = 2,154,373.6 feet and Y = 6,695,391.1 feet; thence the following courses along the said road center line:

thence North 18 Degrees 46 Minutes 31 Seconds West 3.8 feet  
thence North 20 Degrees 43 Minutes 35 Seconds West 129.5 feet  
thence North 20 Degrees 27 Minutes 29 Seconds West 127.6 feet  
thence North 21 Degrees 22 Minutes 17 Seconds West 20.9 feet  
thence North 21 Degrees 24 Minutes 04 Seconds West 23.1 feet  
thence North 20 Degrees 45 Minutes 53 Seconds West 73.5 feet  
thence North 19 Degrees 35 Minutes 23 Seconds West 109.5 feet  
thence North 20 Degrees 17 Minutes 51 Seconds West 111.7 feet  
thence North 20 Degrees 29 Minutes 33 Seconds West 110.1 feet  
thence North 21 Degrees 18 Minutes 49 Seconds West 105.4 feet  
thence North 21 Degrees 58 Minutes 18 Seconds West 113 feet

thence North 22 Degrees 08 Minutes 30 Seconds West 114.9 feet  
thence North 22 Degrees 26 Minutes 59 Seconds West 113.4 feet  
thence North 21 Degrees 08 Minutes 49 Seconds West 86 feet  
thence North 24 Degrees 52 Minutes 32 Seconds West 30.7 feet  
thence North 22 Degrees 04 Minutes 16 Seconds West 74.2 feet  
thence North 23 Degrees 12 Minutes 18 Seconds West 105.1 feet  
thence North 27 Degrees 24 Minutes 55 Seconds West 125.3 feet  
thence North 27 Degrees 28 Minutes 45 Seconds West 117.2 feet more or less to **the ending**  
**point at:** 38 degrees 41 minutes 26.13 seconds North Latitude and -109 degrees 42 minutes 06.19 seconds  
West Longitude, which can be converted to mapping accuracy State Plane Utah Central Zone NAD 83 feet  
coordinates of X = 2,153,733.6 feet and Y = 6,696,959.0 feet.

## Appendix D to Attachment 4

**Popular Name: THORNBURG ROAD**

**County: Grand**

**County Road Number: 00215**

**State Geographic Information Database (SGID) Road Identification Number: RD100105.**

**Road-Segment Number: 008**

**Road-Segment Length: 0.58 miles more or less.**

**Believed owner of the land underlying this road-segment is: Bureau of Land Management.**

*The following description is based upon the geographic coordinate system using the NAD83 Datum. The source is GPS mapping grade data as indicated in the metadata and/or the transportation data model of the State of Utah Geographic Information Database (SGID).*

The road-segment itself is the monument that is identified by its physical presence on the land. The location of said physical presence is closely approximated by mapping grade Global Positioning System (GPS) data. Said data are checked against the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS) to verify a reasonable degree of accuracy. In circumstances where accurate satellite signal acquisition is not possible, such as deep, narrow canyons or under a canopy of dense foliage, or where very sharp curves in the road make accuracy questionable, such portions of the road were digitized from the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS).

This road-segment may traverse:

Township 24 South Range 20 East, Section(s) 27, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (THORNBURG ROAD)-- Segment 008 based on mapping grade Global Positioning System (GPS) data as defined above:

**Beginning at a point** on the road center line located at 38 degrees 41 minutes 31.97 seconds North Latitude and -109 degrees 42 minutes 15.03 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah Central Zone NAD 83 feet coordinates of X = 2,153,021.1 feet and Y = 6,697,535.5 feet; thence the following courses along the said road center line:

thence South 45 Degrees 51 Minutes 38 Seconds West 69.8 feet  
thence South 45 Degrees 07 Minutes 45 Seconds West 53.8 feet  
thence South 56 Degrees 57 Minutes 47 Seconds West 85.1 feet  
thence South 77 Degrees 56 Minutes 20 Seconds West 16.2 feet  
thence South 81 Degrees 26 Minutes 50 Seconds West 103.4 feet  
thence North 68 Degrees 05 Minutes 28 Seconds West 39 feet  
thence North 67 Degrees 24 Minutes 09 Seconds West 84.2 feet  
thence North 66 Degrees 52 Minutes 52 Seconds West 94.8 feet  
thence North 68 Degrees 40 Minutes 24 Seconds West 31.1 feet  
thence North 64 Degrees 51 Minutes 42 Seconds West 106.8 feet  
thence North 48 Degrees 46 Minutes 22 Seconds West 103.9 feet

thence North 05 Degrees 46 Minutes 49 Seconds West 103.8 feet  
thence North 02 Degrees 51 Minutes 34 Seconds West 32.9 feet  
thence North 18 Degrees 24 Minutes 41 Seconds West 93.2 feet  
thence North 12 Degrees 39 Minutes 42 Seconds West 85.7 feet  
thence North 24 Degrees 32 Minutes 21 Seconds East 86.8 feet  
thence North 44 Degrees 15 Minutes 33 Seconds East 83 feet  
thence North 42 Degrees 12 Minutes 30 Seconds East 84.6 feet  
thence North 30 Degrees 51 Minutes 40 Seconds East 88.2 feet  
thence North 18 Degrees 18 Minutes 52 Seconds East 86.6 feet  
thence North 01 Degrees 53 Minutes 03 Seconds West 75.5 feet  
thence North 14 Degrees 22 Minutes 35 Seconds West 6.8 feet  
thence North 15 Degrees 39 Minutes 55 Seconds West 80 feet  
thence North 26 Degrees 21 Minutes 59 Seconds West 96.8 feet  
thence North 32 Degrees 26 Minutes 31 Seconds West 94.9 feet  
thence North 31 Degrees 39 Minutes 29 Seconds West 86.4 feet  
thence North 47 Degrees 22 Minutes 15 Seconds West 81.9 feet  
thence North 61 Degrees 03 Minutes 56 Seconds West 87.3 feet  
thence North 64 Degrees 15 Minutes 53 Seconds West 85.9 feet  
thence North 53 Degrees 02 Minutes 10 Seconds West 43.3 feet  
thence North 49 Degrees 57 Minutes 51 Seconds West 12.7 feet  
thence North 32 Degrees 08 Minutes 20 Seconds West 1.9 feet  
thence North 29 Degrees 36 Minutes 55 Seconds West 62.1 feet  
thence North 06 Degrees 34 Minutes 12 Seconds West 79.2 feet  
thence North 12 Degrees 05 Minutes 09 Seconds East 99.1 feet  
thence North 04 Degrees 14 Minutes 03 Seconds West 93.8 feet  
thence North 21 Degrees 42 Minutes 38 Seconds West 81.1 feet  
thence North 20 Degrees 28 Minutes 34 Seconds West 78.7 feet  
thence North 30 Degrees 55 Minutes 25 Seconds East 80.6 feet  
thence North 16 Degrees 30 Minutes 56 Seconds East 80.6 feet  
thence North 33 Degrees 00 Minutes 44 Seconds West 89.7 feet  
thence North 40 Degrees 10 Minutes 53 Seconds West 33.6 feet more or less to **the ending**

**point at:** 38 degrees 41 minutes 52.08 seconds North Latitude and -109 degrees 42 minutes 27.55 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah Central Zone NAD 83 feet coordinates of X = 2,151,987.8 feet and Y = 6,699,549.9 feet.

## Appendix E to Attachment 4

**Popular Name: THORNBURG ROAD**

**County: Grand**

**County Road Number: 00215**

**State Geographic Information Database (SGID) Road Identification Number: RD100105.**

**Road-Segment Number: 010**

**Road-Segment Length: 2.78 miles more or less.**

**Believed owner of the land underlying this road-segment is: Bureau of Land Management.**

*The following description is based upon the geographic coordinate system using the NAD83 Datum. The source is GPS mapping grade data as indicated in the metadata and/or the transportation data model of the State of Utah Geographic Information Database (SGID).*

The road-segment itself is the monument that is identified by its physical presence on the land. The location of said physical presence is closely approximated by mapping grade Global Positioning System (GPS) data. Said data are checked against the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS) to verify a reasonable degree of accuracy. In circumstances where accurate satellite signal acquisition is not possible, such as deep, narrow canyons or under a canopy of dense foliage, or where very sharp curves in the road make accuracy questionable, such portions of the road were digitized from the corresponding gray-scale 1-meter Digital Orthophoto Quadrangles published by the United States Geological Survey (USGS).

This road-segment may traverse:

Township 24 South Range 20 East, Section(s) 17,20,21,28, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (THORNBURG ROAD)-- Segment 010 based on mapping grade Global Positioning System (GPS) data as defined above:

**Beginning at a point** on the road center line located at 38 degrees 41 minutes 57.12 seconds North Latitude and -109 degrees 42 minutes 32.11 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah Central Zone NAD 83 feet coordinates of X = 2,151,615.8 feet and Y = 6,700,052.9 feet; thence the following courses along the said road center line:

thence North 35 Degrees 54 Minutes 15 Seconds West 65.4 feet  
thence North 36 Degrees 21 Minutes 25 Seconds West 121.7 feet  
thence North 40 Degrees 10 Minutes 33 Seconds West 111.1 feet  
thence North 39 Degrees 43 Minutes 43 Seconds West 78.6 feet  
thence North 34 Degrees 26 Minutes 36 Seconds West 13.9 feet  
thence North 37 Degrees 36 Minutes 23 Seconds West 47.4 feet  
thence North 39 Degrees 20 Minutes 50 Seconds West 4.2 feet  
thence North 45 Degrees 32 Minutes 26 Seconds West 86.2 feet  
thence North 54 Degrees 41 Minutes 35 Seconds West 90.1 feet  
thence North 37 Degrees 12 Minutes 35 Seconds West 4.1 feet  
thence North 46 Degrees 09 Minutes 03 Seconds West 91.8 feet

thence North 38 Degrees 32 Minutes 12 Seconds West 85.6 feet  
thence North 41 Degrees 25 Minutes 42 Seconds West 98 feet  
thence North 39 Degrees 49 Minutes 52 Seconds West 104.2 feet  
thence North 32 Degrees 37 Minutes 06 Seconds West 56.9 feet  
thence North 32 Degrees 36 Minutes 29 Seconds West 57.6 feet  
thence North 29 Degrees 07 Minutes 29 Seconds West 127.3 feet  
thence North 24 Degrees 59 Minutes 33 Seconds West 137.2 feet  
thence North 39 Degrees 56 Minutes 23 Seconds West 117.1 feet  
thence North 38 Degrees 17 Minutes 38 Seconds West 8.3 feet  
thence North 53 Degrees 07 Minutes 19 Seconds West 127.5 feet  
thence North 32 Degrees 45 Minutes 07 Seconds West 122.5 feet  
thence North 28 Degrees 50 Minutes 28 Seconds West 125.1 feet  
thence North 29 Degrees 24 Minutes 21 Seconds West 125.8 feet  
thence North 48 Degrees 21 Minutes 09 Seconds West 132.5 feet  
thence North 57 Degrees 00 Minutes 48 Seconds West 143.4 feet  
thence North 51 Degrees 59 Minutes 27 Seconds West 119 feet  
thence North 51 Degrees 14 Minutes 15 Seconds West 65 feet  
thence North 46 Degrees 59 Minutes 43 Seconds West 100.4 feet  
thence North 40 Degrees 58 Minutes 49 Seconds West 129.8 feet  
thence North 45 Degrees 57 Minutes 22 Seconds West 133.7 feet  
thence North 45 Degrees 24 Minutes 12 Seconds West 125.5 feet  
thence North 45 Degrees 42 Minutes 23 Seconds West 137.8 feet  
thence North 41 Degrees 31 Minutes 14 Seconds West 143.9 feet  
thence North 41 Degrees 54 Minutes 57 Seconds West 136 feet  
thence North 64 Degrees 16 Minutes 33 Seconds West 115.8 feet  
thence South 89 Degrees 39 Minutes 36 Seconds West 2.3 feet  
thence North 80 Degrees 56 Minutes 50 Seconds West 110.6 feet  
thence South 87 Degrees 46 Minutes 56 Seconds West 100.2 feet  
thence South 81 Degrees 54 Minutes 16 Seconds West 97.3 feet  
thence South 88 Degrees 24 Minutes 18 Seconds West 74.9 feet  
thence North 69 Degrees 19 Minutes 36 Seconds West 82.4 feet  
thence North 70 Degrees 17 Minutes 22 Seconds West 119.7 feet  
thence North 75 Degrees 50 Minutes 52 Seconds West 131.2 feet  
thence North 78 Degrees 02 Minutes 21 Seconds West 123.2 feet  
thence North 74 Degrees 44 Minutes 14 Seconds West 122 feet  
thence North 62 Degrees 15 Minutes 55 Seconds West 122 feet  
thence North 66 Degrees 32 Minutes 41 Seconds West 113.9 feet  
thence North 73 Degrees 18 Minutes 04 Seconds West 112 feet  
thence North 67 Degrees 59 Minutes 25 Seconds West 112.2 feet  
thence North 67 Degrees 43 Minutes 11 Seconds West 85.3 feet  
thence North 42 Degrees 54 Minutes 21 Seconds West 57.9 feet  
thence North 36 Degrees 29 Minutes 32 Seconds West 65 feet  
thence North 42 Degrees 48 Minutes 15 Seconds West 55.6 feet  
thence North 59 Degrees 59 Minutes 47 Seconds West 39 feet  
thence North 53 Degrees 07 Minutes 42 Seconds West 35.3 feet  
thence North 61 Degrees 27 Minutes 11 Seconds West 54.4 feet  
thence North 73 Degrees 06 Minutes 25 Seconds West 27.7 feet  
thence North 66 Degrees 54 Minutes 25 Seconds West 45.4 feet  
thence North 43 Degrees 48 Minutes 13 Seconds West 81.4 feet

thence North 45 Degrees 10 Minutes 31 Seconds West 97.2 feet  
thence North 51 Degrees 54 Minutes 08 Seconds West 97.7 feet  
thence North 47 Degrees 39 Minutes 22 Seconds West 89.6 feet  
thence North 39 Degrees 29 Minutes 00 Seconds West 91 feet  
thence North 18 Degrees 23 Minutes 57 Seconds West 96.7 feet  
thence North 36 Degrees 32 Minutes 24 Seconds West 85.4 feet  
thence North 44 Degrees 53 Minutes 31 Seconds West 92.1 feet  
thence North 43 Degrees 13 Minutes 06 Seconds West 94.1 feet  
thence North 48 Degrees 51 Minutes 26 Seconds West 99.1 feet  
thence North 46 Degrees 07 Minutes 50 Seconds West 11.8 feet  
thence North 50 Degrees 12 Minutes 21 Seconds West 124.7 feet  
thence North 47 Degrees 58 Minutes 39 Seconds West 129.1 feet  
thence North 48 Degrees 31 Minutes 09 Seconds West 125.5 feet  
thence North 49 Degrees 52 Minutes 02 Seconds West 101.1 feet  
thence North 39 Degrees 10 Minutes 09 Seconds West 86.4 feet  
thence North 36 Degrees 55 Minutes 04 Seconds West 98.1 feet  
thence North 61 Degrees 09 Minutes 26 Seconds West 114.4 feet  
thence North 60 Degrees 35 Minutes 40 Seconds West 66.1 feet  
thence North 60 Degrees 12 Minutes 26 Seconds West 45.8 feet  
thence North 60 Degrees 44 Minutes 06 Seconds West 3.3 feet  
thence North 67 Degrees 17 Minutes 17 Seconds West 50.3 feet  
thence North 67 Degrees 19 Minutes 16 Seconds West 67.1 feet  
thence North 68 Degrees 27 Minutes 53 Seconds West 114.5 feet  
thence North 66 Degrees 39 Minutes 26 Seconds West 102.1 feet  
thence North 67 Degrees 01 Minutes 18 Seconds West 37.3 feet  
thence North 67 Degrees 16 Minutes 56 Seconds West 62.8 feet  
thence North 59 Degrees 00 Minutes 03 Seconds West 113.6 feet  
thence North 58 Degrees 38 Minutes 14 Seconds West 124.9 feet  
thence North 51 Degrees 36 Minutes 31 Seconds West 107.5 feet  
thence North 32 Degrees 04 Minutes 52 Seconds West 111.9 feet  
thence North 05 Degrees 19 Minutes 37 Seconds West 54.4 feet  
thence North 05 Degrees 14 Minutes 00 Seconds West 52.7 feet  
thence North 10 Degrees 48 Minutes 55 Seconds East 107 feet  
thence North 02 Degrees 05 Minutes 38 Seconds East 92 feet  
thence North 01 Degrees 29 Minutes 06 Seconds West 50.9 feet  
thence North 05 Degrees 28 Minutes 27 Seconds East 54.4 feet  
thence North 07 Degrees 58 Minutes 39 Seconds East 69.7 feet  
thence North 05 Degrees 56 Minutes 19 Seconds West 84.1 feet  
thence North 24 Degrees 05 Minutes 20 Seconds West 89.6 feet  
thence North 38 Degrees 14 Minutes 24 Seconds West 83.2 feet  
thence North 52 Degrees 08 Minutes 26 Seconds West 63.7 feet  
thence North 49 Degrees 55 Minutes 53 Seconds West 75.9 feet  
thence North 38 Degrees 25 Minutes 12 Seconds West 93.8 feet  
thence North 21 Degrees 45 Minutes 30 Seconds West 100.5 feet  
thence North 22 Degrees 36 Minutes 04 Seconds West 109.9 feet  
thence North 23 Degrees 30 Minutes 57 Seconds West 44.7 feet  
thence North 23 Degrees 31 Minutes 21 Seconds West 64.2 feet  
thence North 17 Degrees 16 Minutes 00 Seconds West 118.4 feet  
thence North 11 Degrees 27 Minutes 00 Seconds West 120.4 feet

thence North 30 Degrees 28 Minutes 15 Seconds West 91.1 feet  
 thence North 28 Degrees 20 Minutes 14 Seconds West 22.3 feet  
 thence North 63 Degrees 13 Minutes 01 Seconds West 46.8 feet  
 thence North 61 Degrees 56 Minutes 46 Seconds West 34.5 feet  
 thence North 60 Degrees 11 Minutes 52 Seconds West 29.4 feet  
 thence North 61 Degrees 33 Minutes 09 Seconds West 30.7 feet  
 thence North 53 Degrees 32 Minutes 41 Seconds West 54.8 feet  
 thence North 37 Degrees 13 Minutes 26 Seconds West 51.3 feet  
 thence North 22 Degrees 35 Minutes 18 Seconds West 58.5 feet  
 thence North 15 Degrees 57 Minutes 01 Seconds West 57.9 feet  
 thence North 20 Degrees 10 Minutes 01 Seconds West 61.1 feet  
 thence North 25 Degrees 48 Minutes 19 Seconds West 58.2 feet  
 thence North 31 Degrees 36 Minutes 11 Seconds West 53.8 feet  
 thence North 26 Degrees 11 Minutes 01 Seconds West 58.3 feet  
 thence North 22 Degrees 22 Minutes 06 Seconds West 23 feet  
 thence North 22 Degrees 22 Minutes 22 Seconds West 30.1 feet  
 thence North 29 Degrees 17 Minutes 47 Seconds West 39.4 feet  
 thence North 28 Degrees 42 Minutes 30 Seconds West 5.6 feet  
 thence North 32 Degrees 20 Minutes 40 Seconds West 31 feet  
 thence North 30 Degrees 38 Minutes 17 Seconds West 70.3 feet  
 thence North 25 Degrees 38 Minutes 38 Seconds West 90.8 feet  
 thence North 18 Degrees 25 Minutes 07 Seconds West 107 feet  
 thence North 14 Degrees 35 Minutes 16 Seconds West 111.7 feet  
 thence North 24 Degrees 26 Minutes 29 Seconds West 102.5 feet  
 thence North 08 Degrees 45 Minutes 07 Seconds West 63 feet  
 thence North 08 Degrees 49 Minutes 36 Seconds West 43.1 feet  
 thence North 14 Degrees 10 Minutes 28 Seconds East 120.3 feet  
 thence North 20 Degrees 37 Minutes 17 Seconds East 137.1 feet  
 thence North 22 Degrees 04 Minutes 54 Seconds East 129.6 feet  
 thence North 32 Degrees 38 Minutes 57 Seconds East 111.5 feet  
 thence North 39 Degrees 20 Minutes 46 Seconds East 100.2 feet  
 thence North 14 Degrees 04 Minutes 15 Seconds East 122 feet  
 thence North 12 Degrees 47 Minutes 29 Seconds West 122.7 feet  
 thence North 08 Degrees 02 Minutes 57 Seconds West 21.5 feet  
 thence North 07 Degrees 34 Minutes 41 Seconds West 94.3 feet  
 thence North 07 Degrees 27 Minutes 51 Seconds West 13.2 feet  
 thence North 10 Degrees 15 Minutes 42 Seconds West 124.9 feet  
 thence North 10 Degrees 22 Minutes 00 Seconds West 105 feet  
 thence North 14 Degrees 22 Minutes 31 Seconds West 94.7 feet  
 thence North 01 Degrees 35 Minutes 04 Seconds West 75.5 feet  
 thence North 15 Degrees 15 Minutes 54 Seconds East 95.4 feet  
 thence North 09 Degrees 08 Minutes 53 Seconds East 98.2 feet  
 thence North 02 Degrees 47 Minutes 55 Seconds West 100.2 feet  
 thence North 10 Degrees 29 Minutes 15 Seconds West 100 feet  
 thence North 03 Degrees 59 Minutes 35 Seconds West 93.7 feet  
 thence North 18 Degrees 11 Minutes 30 Seconds East 86.5 feet  
 thence North 36 Degrees 57 Minutes 53 Seconds East 86.6 feet  
 thence North 54 Degrees 25 Minutes 49 Seconds East 42.7 feet  
 thence North 53 Degrees 22 Minutes 34 Seconds East 52.7 feet

thence North 61 Degrees 04 Minutes 29 Seconds East 85.7 feet  
thence North 50 Degrees 37 Minutes 42 Seconds East 119.9 feet  
thence North 46 Degrees 08 Minutes 55 Seconds East 128.7 feet  
thence North 45 Degrees 48 Minutes 18 Seconds East 123.2 feet  
thence North 61 Degrees 43 Minutes 25 Seconds East 122.6 feet  
thence North 88 Degrees 00 Minutes 56 Seconds East 114.3 feet  
thence South 75 Degrees 08 Minutes 50 Seconds East 93.9 feet  
thence South 78 Degrees 37 Minutes 34 Seconds East 97 feet  
thence North 81 Degrees 52 Minutes 25 Seconds East 96.9 feet  
thence North 74 Degrees 34 Minutes 04 Seconds East 94.5 feet  
thence North 67 Degrees 42 Minutes 55 Seconds East 92.2 feet  
thence North 57 Degrees 25 Minutes 55 Seconds East 89.2 feet  
thence North 65 Degrees 09 Minutes 04 Seconds East 94.9 feet  
thence North 65 Degrees 17 Minutes 53 Seconds East 95.5 feet  
thence North 64 Degrees 43 Minutes 16 Seconds East 35.2 feet more or less to **the ending**

**point at:** 38 degrees 43 minutes 36.92 seconds North Latitude and -109 degrees 43 minutes 39.13 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah Central Zone NAD 83 feet coordinates of X = 2,146,102.8 feet and Y = 6,710,042.5 feet.